

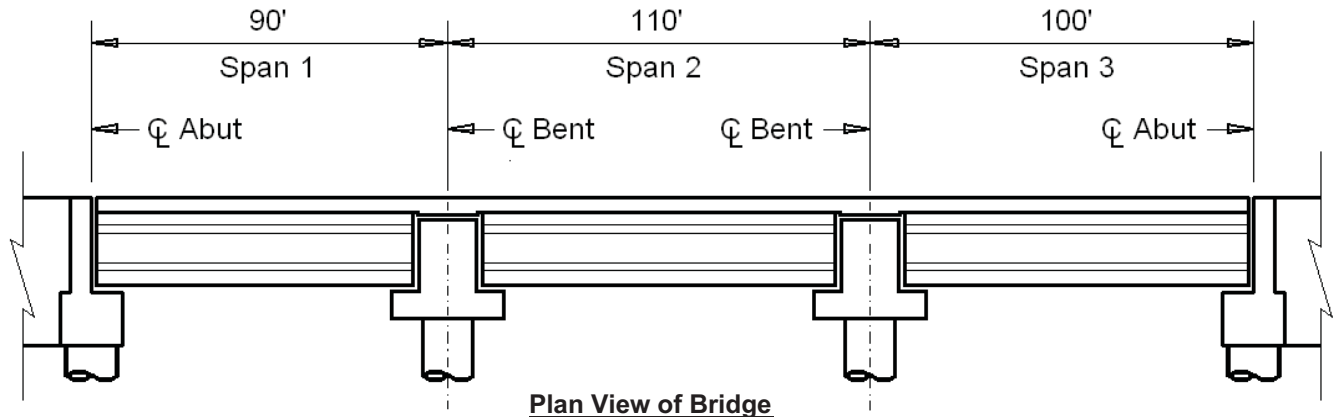
County: Any Hwy: Any Design: BRG Date: 06/2010

CSJ: XXXX-XX-XXX Ck Dsn: BRG Date: 06/2010

Design: Column Design Example

Design example is in accordance with the AASHTO LRFD Bridge Design Specifications, 5th Ed. (2010) as prescribed by TxDOT Bridge Design Manual - LRFD (May 2009).

## Bridge Description



### Span 1

90' Type TX54 Girders ( $0.851 \frac{k}{ft}$ )  
 5 Beams Spaced @ 8.00' with 3' overhangs  
 4.75" Haunch

### Span 2

110' Type TX54 Girders ( $0.851 \frac{k}{ft}$ )  
 5 Beams Spaced @ 8.00' with 3' overhangs  
 5.25" Haunch

### Span 3

100' Type TX54 Girders ( $0.851 \frac{k}{ft}$ )  
 5 Beams Spaced @ 8.00' with 3' overhangs  
 6.5" Haunch

### All Spans

Deck is 38ft wide  
 Type T551 Rail (0.382k/ft)  
 8" Thick Slab (0.100 ksf)  
 Assume 2" Overlay @ 140 pcf (0.023 ksf)  
 Use Class "C" Concrete  
 $f'_c = 3.60$  ksi  
 $w_c = 150$  pcf (for weight)  
 $w_c = 145$  pcf (for Modulus of Elasticity calculation)  
 Grade 60 Reinforcing  
 $f_y = 60$  ksi

"AASHTO LRFD" refers to the AASHTO LRFD Bridge Design Specification, 5th Ed. (2010)

"BDM-LRFD" refers to the TxDOT Bridge Design Manual - LRFD (May 2009)

"Contr. Spec." refers to the TxDOT Standard Specification for Construction and Maintenance of Highways, Streets, and Bridges (2004)

"TxSP" refers to TxDOT guidance, recommendations, and standard practice.

The basic bridge geometry can be found on the Bridge Layout and Interior Bent Detail Sheets located in the Appendices.

(TxSP)

(BDM-LRFD, Ch. 4, Sect. 6, Materials)  
 If the design requires a  $f'_c$  greater than 3.6 ksi, use Class "H" concrete.

## **Bridge Description (Con't)**

### **Superstructure**

$$\text{NoSp} = 3$$

$$\text{Span1} = 90 \text{ ft}$$

$$\text{Span2} = 110 \text{ ft}$$

$$\text{Span3} = 100 \text{ ft}$$

$$\text{AvgSp} = \frac{(\text{Span2} + \text{Span3})}{2} = 105 \text{ ft}$$

$$\text{BridgeL} = \text{Span1} + \text{Span2} + \text{Span3} = 300 \text{ ft}$$

$$\text{BridgeW} = 38 \text{ ft}$$

$$\text{NoRail} = 2$$

$$\text{RailW} = 1 \text{ ft}$$

$$\text{RailH} = 2 \text{ ft} + 8 \text{ in} = 2.67 \text{ ft}$$

$$\text{RailWgt} = 0.382 \text{ klf}$$

$$\text{RoadW} = \text{BridgeW} - \text{NoRail} \cdot \text{RailW} = 36 \text{ ft}$$

$$\text{Lanes} = 3$$

$$\text{SlabTh} = 8 \text{ in}$$

$$\text{OlayTh} = 2 \text{ in}$$

$$\text{HaunchTh} = 6.5 \text{ in}$$

$$w_{\text{Conc}} = 0.150 \text{ kcf}$$

$$w_{\text{Olay}} = 0.140 \text{ kcf}$$

$$\text{NoBm} = 5$$

$$\text{BmSpac} = 8 \text{ ft}$$

$$\text{BmH} = 54 \text{ in}$$

$$\text{BmWgt} = 0.851 \text{ klf}$$

*Number of Spans*

*Back Span*

*Forward Span*

*Average Span (for Bent 3)*

*Bridge Length*

*Bridge Width*

*Number of T551 Rails*

*Nominal Rail Width (T551)*

*Rail Height (T551)*

*Rail Weight (T551)*

*Roadway Width*

*Number of Lanes  
(AASHTO LRFD 3.6.1.1.1)*

*Slab Thickness*

*Overlay Thickness*

*Haunch Thickness*

*Unit Weight of Concrete*

*Unit Weight of Overlay*

*Number of Type IV Beams*

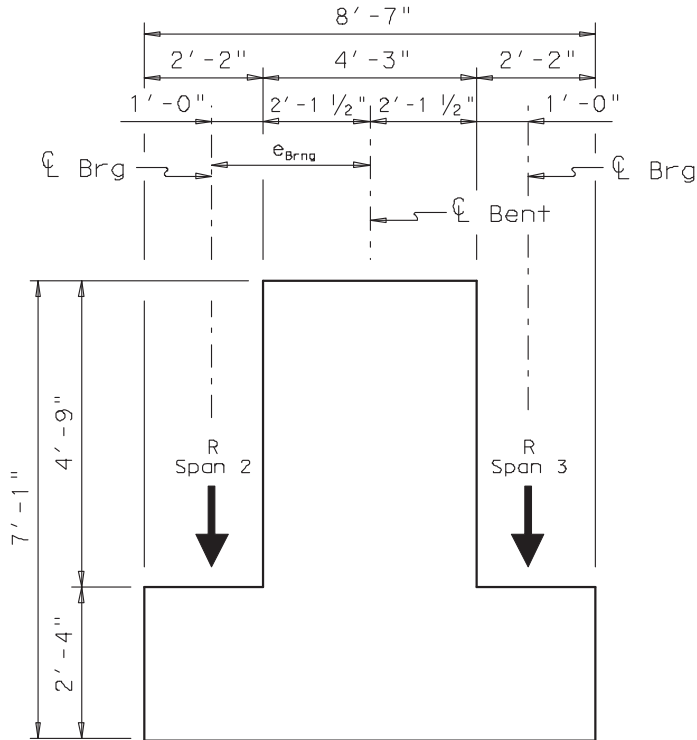
*Beam Spacing*

*Beam Height (IGD)*

*Beam Weight (IGD)*

## Bridge Description (Con't)

### Bent Cap



**Bent Cap Section View**

$$L_{\text{Cap}} = 36 \text{ ft}$$

Cap Length

$$b_{f\_Cap} = 8 \text{ ft} + 7 \text{ in} = 8.58 \text{ ft}$$

Cap Bottom Flange Width

$$d_{\text{ledge}} = 2 \text{ ft} + 4 \text{ in} = 2.33 \text{ ft}$$

Cap Ledge Height

$$b_{\text{stem}} = 4 \text{ ft} + 3 \text{ in} = 4.25 \text{ ft}$$

Cap Stem Width

$$d_{\text{stem}} = 4 \text{ ft} + 9 \text{ in} = 4.75 \text{ ft}$$

Cap Stem Height

$$e_{\text{Brng}} = \frac{b_{\text{stem}}}{2} + 1 \text{ ft} = 3.13 \text{ ft}$$

Distance from CL of Bent  
to CL of Bearing Pad

$$BkBmL = \text{Span2} - 2 \cdot \left( \frac{b_{\text{stem}}}{2} + 3 \text{ in} \right) = 105.25 \text{ ft}$$

Length of Back Beam

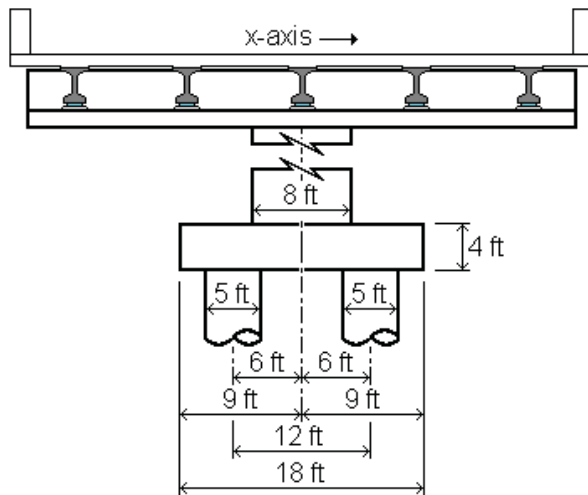
$$FwdBmL = \text{Span3} - \left( \frac{b_{\text{stem}}}{2} + 3 \text{ in} \right) - 3 \text{ in} = 97.38 \text{ ft}$$

Length of Forward Beam

Typically the beam end is 3" from the face of the Inverted Tee stem, as shown in the IGEB standard.

## Bridge Description (Con't)

### Bent Cap (Con't)



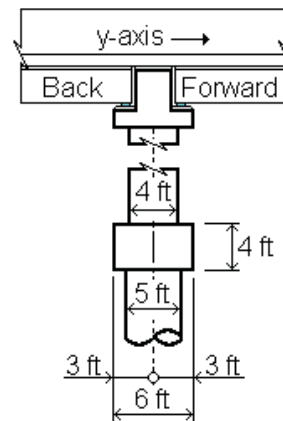
**Footing and Drilled Shafts  
in the direction of the x-axis**  
(the y-axis is into the page)

$$\text{NoCol} = 1$$

$$L_{\text{Col}} = 8 \text{ ft}$$

$$W_{\text{Col}} = 4 \text{ ft}$$

$$H_{\text{Col}} = 50 \text{ ft}$$



**Footing and Drilled Shafts  
in the direction of the y-axis**  
(the x-axis is into the page)

The x-axis is along the longitudinal axis of the bent cap.

The y-axis is perpendicular to the longitudinal axis of the bent cap.

Number of Columns

Column Length

Column Width

Column Height

For the purposes of this design example, the column dimensions are given. For designs where a column size is not provided, choose a column size that has worked for similar bents. These dimensions are preliminary and are subject to change if the required reinforcing can not fit in the column with adequate clear distance between the reinforcing bars.

$$L_{\text{Ftg}} = 18 \text{ ft}$$

$$W_{\text{Ftg}} = 6 \text{ ft}$$

$$H_{\text{Ftg}} = 4 \text{ ft}$$

Footing Length

Footing Width

Footing Height

The footing dimensions are estimates, and are subject to change. A strut-and-tie analysis of the footing is required to determine the adequacy of these dimensions. A strut-and-tie analysis of the footing is not included in this design example.

$$\text{NoDS} = 2$$

$$D_{\text{DS}} = 5 \text{ ft}$$

$$A_{\text{DS}} = D_{\text{DS}}^2 \frac{\pi}{4} = 19.63 \text{ ft}^2$$

$$S_{\text{DS}} = 12 \text{ ft}$$

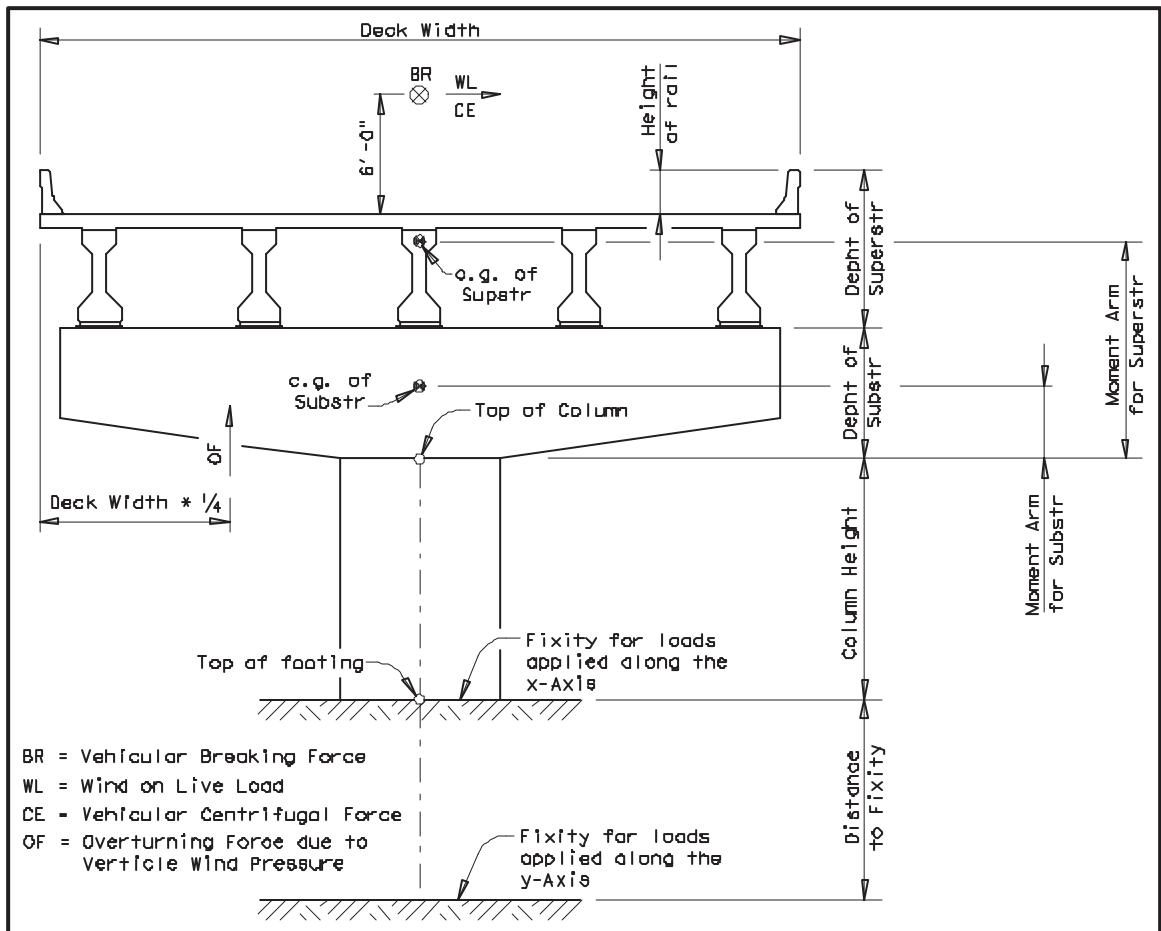
Number of Drilled Shafts

Drilled Shaft Diameter

Drilled Shaft Area

Drilled Shaft Spacing

## Loading



**Load Sketch**

The fixity of the column in the x-direction is at the top of the footing. This is because there are two drilled shafts resisting the moment in this direction by coupling action, which causes a dramatic increase in the rigidity in this direction.

The fixity of the column in the y-direction is below the top of the footing at a distance determined by a geotechnical engineer. The location of fixity can typically be taken as ten feet below the footing, unless the soils are poor. When using large mono-shafts, a larger distance may be appropriate.

Distance to Fixity for loads along the x-axis

$$\text{DistanceToFixity}_x = 0 \text{ ft}$$

Distance to Fixity for loads along the y-axis

$$\text{DistanceToFixity}_y = H_{Ftg} + 10 \text{ ft} = 14 \text{ ft}$$

## Design Cases

Case A: Design for maximum axial load and minimum moment. Load all lanes.

Case B: Design for maximum moment and minimum axial force. Use one lane loaded.

Notes: Only Strength I, III, & V are applicable for column design (AASHTO LRFD 3.4.1).  
Use HL93 Loading with Design Speed = 60 mph.

$$\text{Lanes}_A = \text{Lanes} = 3$$

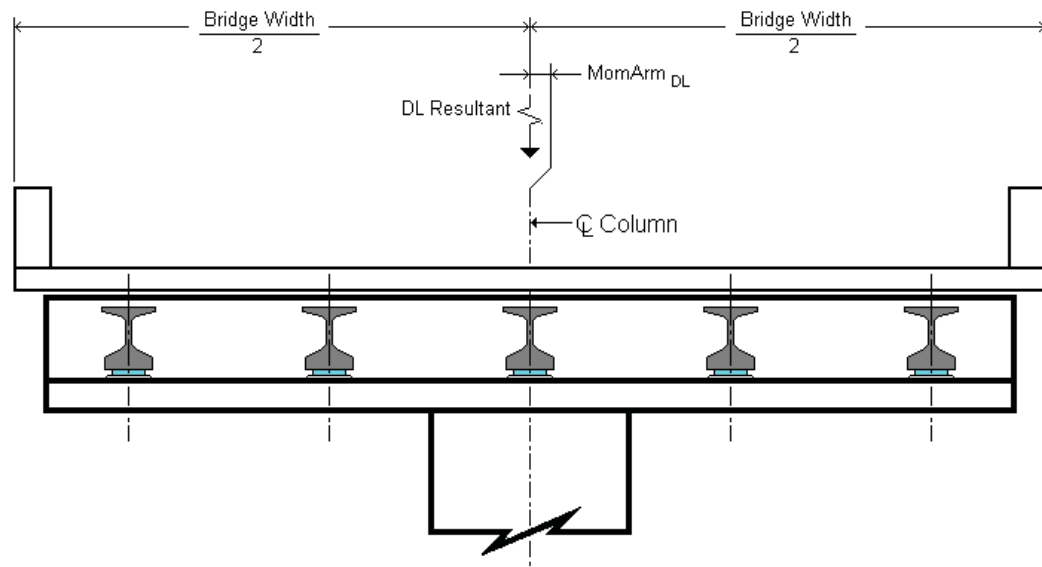
$$\text{Lanes}_B = 1$$

*Number of Lanes Loaded for Live Load Case A*

*Number of Lanes Loaded for Live Load Case B*

## Dead Load

### Dead Load Moment about the y-axis



Distance between the Superstructure Load Resultant and the Center of the Column

$$\text{MomentArm}_{DL} = 0\text{ft}$$

Distance between the Bent Cap Load Resultant and the Center of the Column

$$\text{MomentArm}_{Cap} = 0\text{ft}$$

### Dead Load from Structural Components and Nonstructural Components (DC)

#### Rail Loads

$$\text{Rail}_{Bk} = \text{NoRail} \cdot \frac{\text{Span2}}{2} \cdot \text{RailWgt} = 42.0 \text{ kip}$$

*Load due to Rail on Back Span*

$$\text{Rail}_{Fwd} = \text{NoRail} \cdot \frac{\text{Span3}}{2} \cdot \text{RailWgt} = 38.2 \text{ kip}$$

*Load due to Rail on Forward Span*

$$\text{Rail} = \text{Rail}_{Bk} + \text{Rail}_{Fwd} = 80.2 \text{ kip}$$

*Total Load due to Rail*

#### Slab Loads

$$\text{Slab}_{Bk} = \frac{\text{Span2}}{2} \cdot \text{BridgeW} \cdot \text{SlabTh} \cdot w_{\text{Conc}} \cdot 1.10 = 229.9 \text{ kip}$$

*Load due to Slab on Back Span*

*The weight of the slab is multiplied by 1.10 to account for weight of the haunch concrete. (TxSP)*

$$\text{Slab}_{Fwd} = \frac{\text{Span3}}{2} \cdot \text{BridgeW} \cdot \text{SlabTh} \cdot w_{\text{Conc}} \cdot 1.10 = 209.0 \text{ kip}$$

*Load due to Slab on Forward Span*

$$\text{Slab}_{DL} = \text{Slab}_{Bk} + \text{Slab}_{Fwd} = 438.9 \text{ kip}$$

*Total Slab due to Rail*

#### Beam Loads

$$\text{Beam}_{Bk} = \text{NoBm} \cdot \text{BmWgt} \cdot \frac{\text{BkBmL}}{2} = 223.9 \text{ kip}$$

*Load due to Beams on Back Span*

$$\text{Beam}_{Fwd} = \text{NoBm} \cdot \text{BmWgt} \cdot \frac{\text{FwdBmL}}{2} = 207.2 \text{ kip}$$

*Load due to Beams on Forward Span*

$$\text{Beam} = \text{Beam}_{Bk} + \text{Beam}_{Fwd} = 431.1 \text{ kip}$$

*Total Load due to Beams*

## Dead Load (Con't)

### Dead Load from Structural Components and Nonstructural Components (DC) (Con't)

#### Bent Cap Loads

$$A_{\text{Cap}} = d_{\text{ledge}} \cdot b_{f\_Cap} + d_{\text{stem}} \cdot b_{\text{stem}} = 40.2 \text{ ft}^2$$

*Cross sectional area of bent cap*

$$\text{Cap} = L_{\text{Cap}} \cdot A_{\text{Cap}} \cdot w_{\text{Conc}} = 217.2 \text{ kip}$$

*Dead Load due to the self weight of the bent cap*

#### Column Loads

$$\text{Column} = H_{\text{Col}} \cdot L_{\text{Col}} \cdot W_{\text{Col}} \cdot w_{\text{Conc}} = 240.0 \text{ kip}$$

*Dead Load due to the self weight of the Column*

#### Total Loads

##### Superstructure Dead Load from Back Span

$$DL_{\text{Bk}} = \text{Rail}_{\text{Bk}} + \text{Slab}_{\text{Bk}} + \text{Beam}_{\text{Bk}} = 495.8 \text{ kip}$$

##### Superstructure Dead Load from Forward Span

$$DL_{\text{Fwd}} = \text{Rail}_{\text{Fwd}} + \text{Slab}_{\text{Fwd}} + \text{Beam}_{\text{Fwd}} = 454.4 \text{ kip}$$

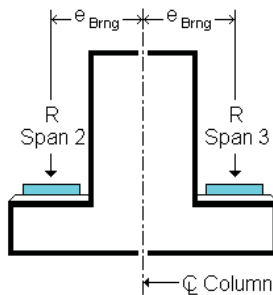
##### Axial Load due to Dead Load

$$P_{\text{DC}} = DL_{\text{Bk}} + DL_{\text{Fwd}} + \text{Cap} + \text{Column} = 1407.4 \text{ kip}$$

*Load at the bottom of the Column*

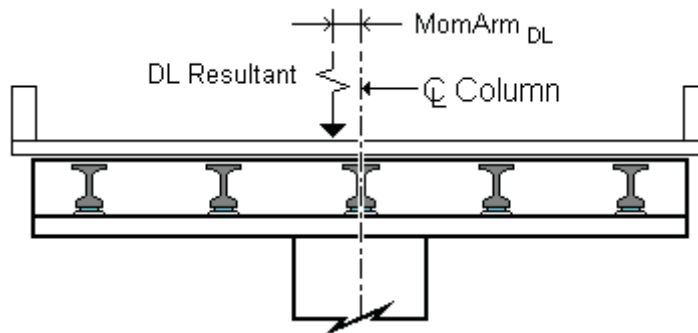
*The load at the bottom of the column is used to design the column*

##### Dead Load Moment about the x-axis



$$M_{x\_DC} = e_{\text{Brng}} \cdot |DL_{\text{Fwd}} - DL_{\text{Bk}}| = 129.6 \text{ kip}\cdot\text{ft}$$

##### Dead Load Moment about the y-axis



$$M_{y\_DC} = (DL_{\text{Fwd}} + DL_{\text{Bk}}) \cdot \text{MomentArm}_{\text{DL}} + \text{Cap} \cdot \text{MomentArm}_{\text{Cap}} = 0.0 \text{ kip}\cdot\text{ft}$$

## Dead Load (Con't)

### Dead Load from Wearing Surfaces and Utilities (DW)

Wearing Surface Dead Load from Back Span

$$Olay_{Bk} = \frac{Span2}{2} \cdot RoadW \cdot OlayTh \cdot w_{Olay} = 46.2 \text{ kip}$$

*Load due to Overlay on Back Span*

Wearing Surface Dead Load from Forward Span

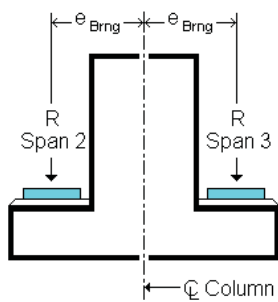
$$Olay_{Fwd} = \frac{Span3}{2} \cdot RoadW \cdot OlayTh \cdot w_{Olay} = 42.0 \text{ kip}$$

*Load due to Overlay on Forward Span*

Axial Load due to Dead Load

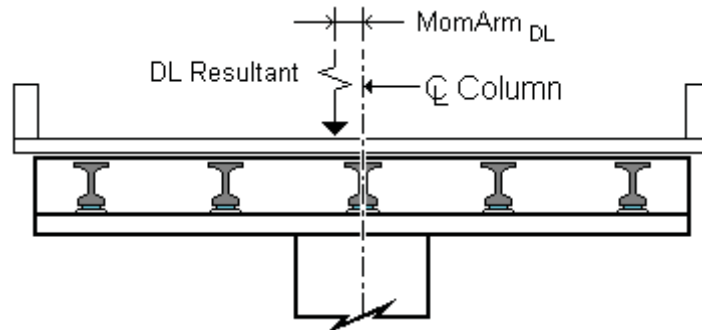
$$P_{DW} = Olay_{Bk} + Olay_{Fwd} = 88.2 \text{ kip}$$

Dead Load Moment about the x-axis



$$M_{x\_DW} = e_{Brng} \cdot |Olay_{Fwd} - Olay_{Bk}| = 13.1 \text{ ft}\cdot\text{kip}$$

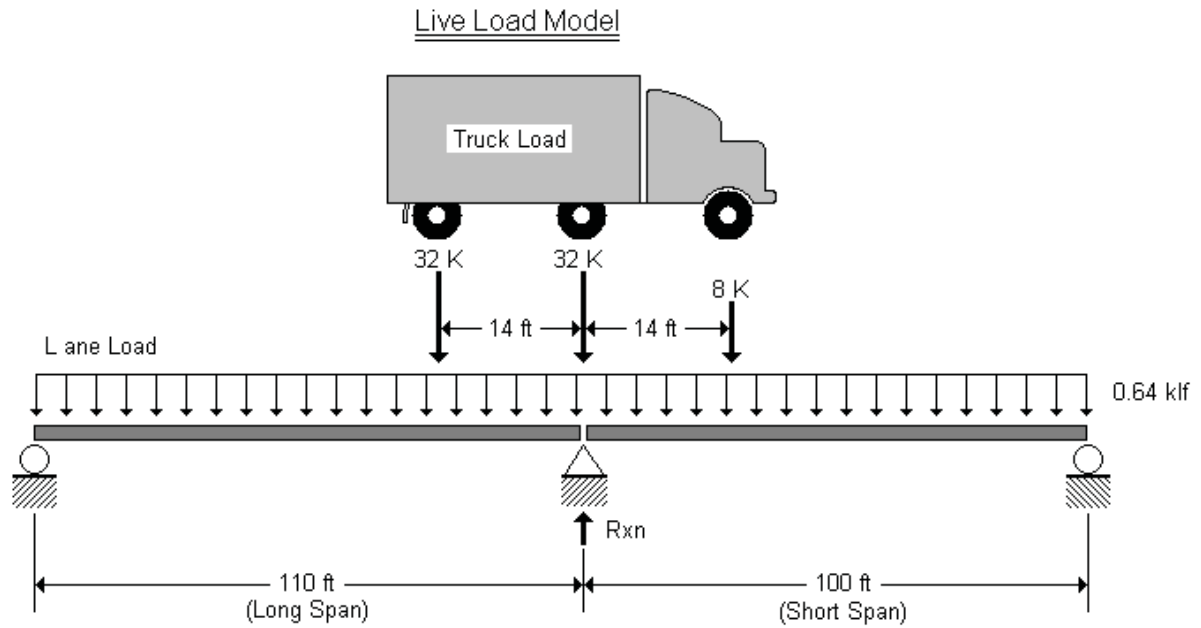
Dead Load Moment about the y-axis



$$M_{y\_DW} = P_{DW} \cdot MomentArm_{DL} = 0.0 \text{ kip}\cdot\text{ft}$$



## Live Load



AASHTO LRFD 3.6.1.2.2 & AASHTO LRFD 3.6.1.2.4

### Live Load Reactions

#### Truck Load on Back Span

$$\text{Truck}_{\text{Bk}} = \frac{\text{Span2} - 14\text{ft}}{\text{Span2}} \cdot 32 \text{ kip} + \frac{1}{2} \cdot 32 \text{ kip} = 43.9 \frac{\text{kip}}{\text{lane}}$$

#### Truck Load on Forward Span

$$\text{Truck}_{\text{Fwd}} = \frac{1}{2} \cdot 32 \text{ kip} + \frac{\text{Span3} - 14\text{ft}}{\text{Span3}} \cdot 8 \text{ kip} = 22.9 \frac{\text{kip}}{\text{lane}}$$

#### Total Truck Load per Lane

$$\text{Truck}_{\text{Rxn}} = \text{Truck}_{\text{Bk}} + \text{Truck}_{\text{Fwd}} = 66.8 \frac{\text{kip}}{\text{lane}}$$

#### Lane Load on Back Span

$$\text{Lane}_{\text{Bk}} = 0.64\text{klf} \cdot \frac{\text{Span2}}{2} = 35.2 \frac{\text{kip}}{\text{lane}}$$

#### Lane Load on Forward Span

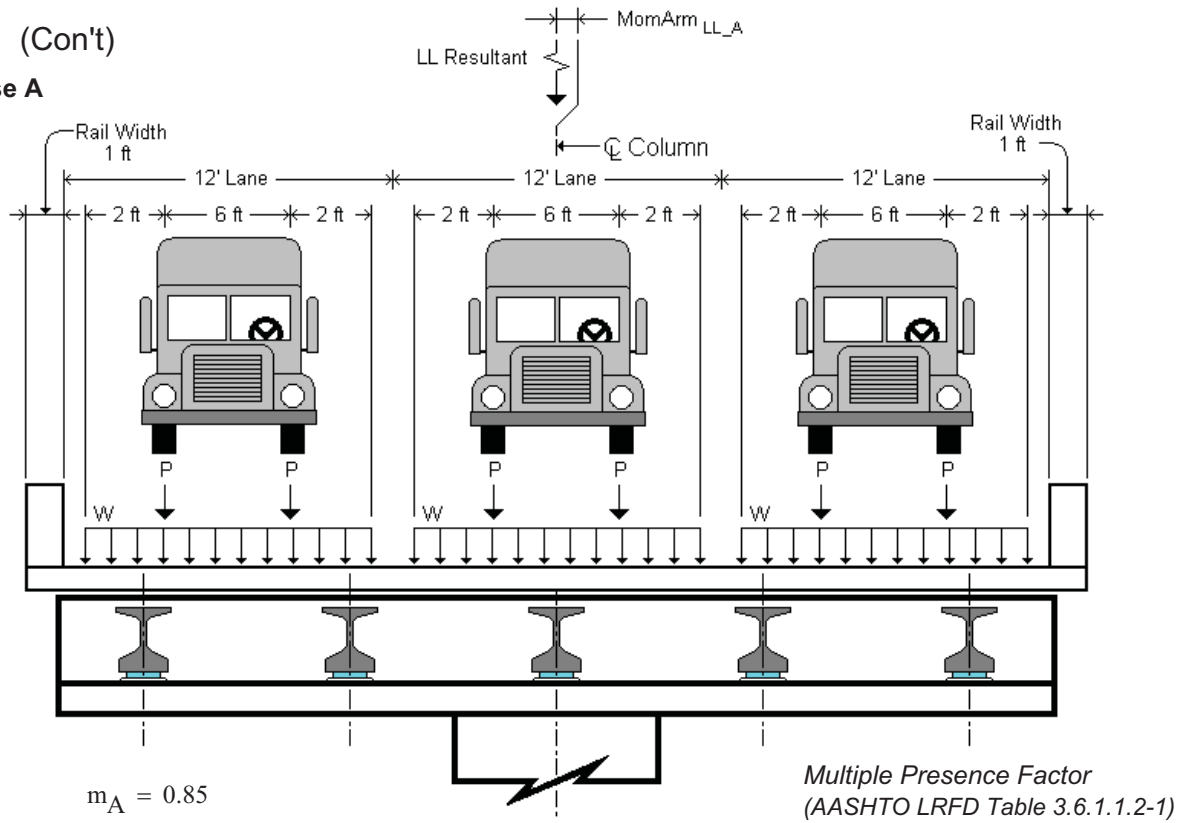
$$\text{Lane}_{\text{Fwd}} = 0.64\text{klf} \cdot \frac{\text{Span3}}{2} = 32.0 \frac{\text{kip}}{\text{lane}}$$

#### Total Lane Load per Lane

$$\text{Lane}_{\text{Rxn}} = \text{Lane}_{\text{Bk}} + \text{Lane}_{\text{Fwd}} = 67.2 \frac{\text{kip}}{\text{lane}}$$

**Live Load (Con't)**

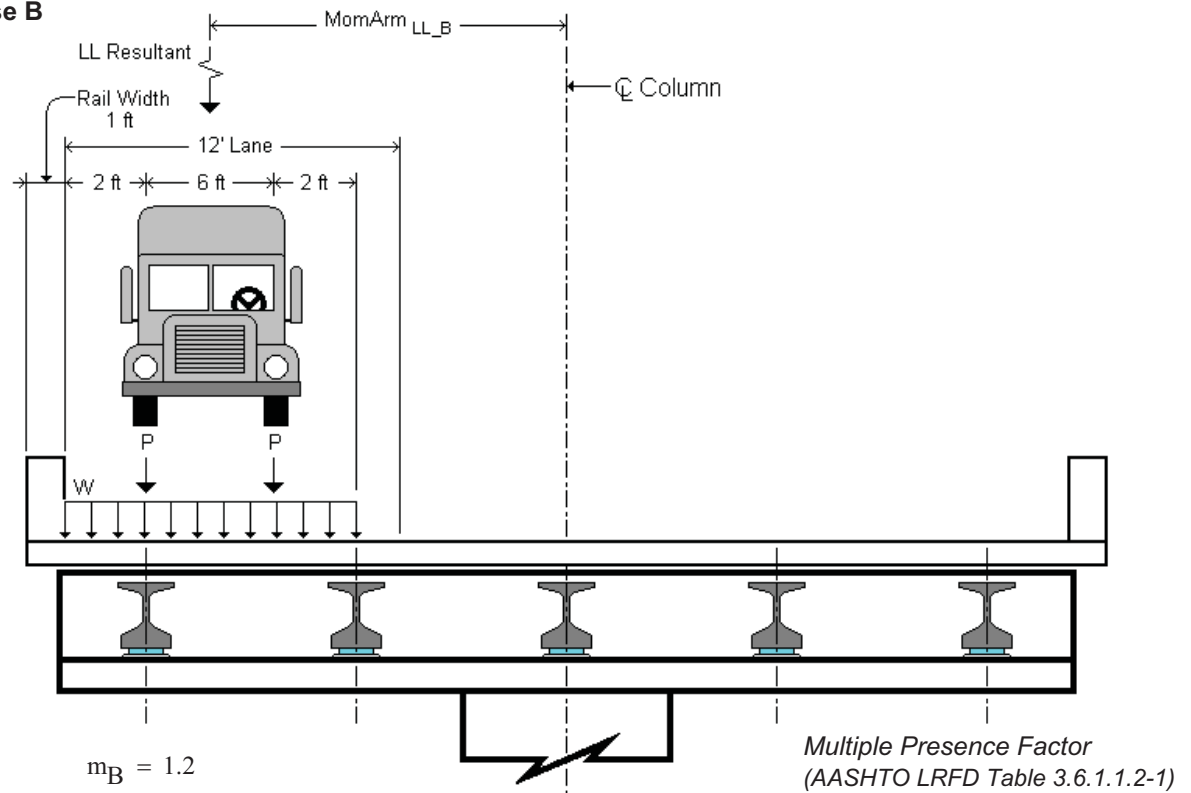
**Case A**



Transverse Moment Arm for Case A

$$MomArm_{LL\_A} = 0 \text{ ft}$$

**Case B**



Transverse Moment Arm for Case B

$$MomArm_{LL\_B} = \frac{RoadW}{2} - \frac{12 \text{ ft lane} \cdot Lanes_B - 2 \text{ ft}}{2} = 13 \text{ ft}$$

## Live Load (Con't)

### Live Loading without Impact:

Case A Live Loading on Back Span for Computing Moment about the x-axis

$$LL_{A\_Bk} = (\text{Truck}_{Bk} + \text{Lane}_{Bk}) \cdot m_A \cdot \text{Lanes}_A = 201.8 \text{ kip}$$

Case A Live Loading on Forward Span for Computing Moment about the x-axis

$$LL_{A\_Fwd} = (\text{Truck}_{Fwd} + \text{Lane}_{Fwd}) \cdot m_A \cdot \text{Lanes}_A = 139.9 \text{ kip}$$

Case B Live Loading on Back Span for Computing Moment about the x-axis

$$LL_{B\_Bk} = (\text{Truck}_{Bk} + \text{Lane}_{Bk}) \cdot m_B \cdot \text{Lanes}_B = 95.0 \text{ kip}$$

Case B Live Loading on Forward Span for Computing Moment about the x-axis

$$LL_{B\_Fwd} = (\text{Truck}_{Fwd} + \text{Lane}_{Fwd}) \cdot m_B \cdot \text{Lanes}_B = 65.9 \text{ kip}$$

### **Case A**

$$P_{LL\_A} = (\text{Lane}_{Rxn} + \text{Truck}_{Rxn}) \cdot m_A \cdot \text{Lanes}_A = 341.7 \text{ kip}$$

*Axial Load*

$$M_{x\_LL\_A} = e_{Brng} \cdot |LL_{A\_Fwd} - LL_{A\_Bk}| = 193.2 \text{ kip}\cdot\text{ft}$$

*Moment about the x-axis*

$$M_{y\_LL\_A} = P_{LL\_A} \cdot \text{MomArm}_{LL\_A} = 0.0 \text{ kip}\cdot\text{ft}$$

*Moment about the y-axis*

### **Case B**

$$P_{LL\_B} = (\text{Lane}_{Rxn} + \text{Truck}_{Rxn}) \cdot m_B \cdot \text{Lanes}_B = 160.8 \text{ kip}$$

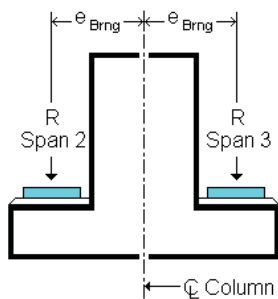
*Axial Load*

$$M_{x\_LL\_B} = e_{Brng} \cdot |LL_{B\_Fwd} - LL_{B\_Bk}| = 90.9 \text{ kip}\cdot\text{ft}$$

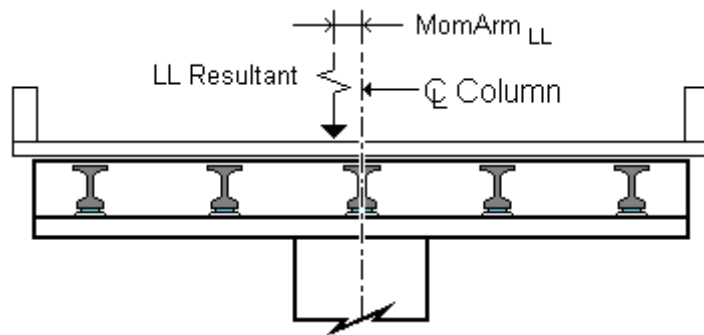
*Moment about the x-axis*

$$M_{y\_LL\_B} = P_{LL\_B} \cdot \text{MomArm}_{LL\_B} = 2090.5 \text{ kip}\cdot\text{ft}$$

*Moment about the y-axis*



Moment about the x-axis



Moment about the y-axis

## Live Load (Con't)

### Live Loading with Impact:

Dynamic Load Allowance

(AASHTO LRFD 3.6.2)

$$IM = 0.33$$

Case A Live Loading with Impact on Back Span for Computing Moment about the x-axis

$$LL_{A\_IM\_Bk} = [(1 + IM) \cdot Truck_{Bk} + Lane_{Bk}] \cdot m_A \cdot Lanes_A = 238.7 \text{ kip}$$

Case A Live Loading with Impact on Forward Span for Computing Moment about the x-axis

$$LL_{A\_IM\_Fwd} = [(1 + IM) \cdot Truck_{Fwd} + Lane_{Fwd}] \cdot m_A \cdot Lanes_A = 159.2 \text{ kip}$$

Case B Live Loading with Impact on Back Span for Computing Moment about the x-axis

$$LL_{B\_IM\_Bk} = [(1 + IM) \cdot Truck_{Bk} + Lane_{Bk}] \cdot m_B \cdot Lanes_B = 112.3 \text{ kip}$$

Case B Live Loading with Impact on Forward Span for Computing Moment about the x-axis

$$LL_{B\_IM\_Fwd} = [(1 + IM) \cdot Truck_{Fwd} + Lane_{Fwd}] \cdot m_B \cdot Lanes_B = 74.9 \text{ kip}$$

#### Case A

$$P_{LL\_A\_IM} = [Lane_{Rxn} + (1 + IM) \cdot Truck_{Rxn}] \cdot m_A \cdot Lanes_A = 397.9 \text{ kip} \quad \text{Axial Load}$$

$$M_{x\_LL\_A\_IM} = e_{Brng} \cdot |LL_{A\_IM\_Fwd} - LL_{A\_IM\_Bk}| = 248.6 \text{ kip}\cdot\text{ft} \quad \text{Moment about the x-axis}$$

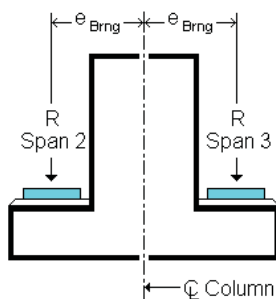
$$M_{y\_LL\_A\_IM} = P_{LL\_A\_IM} \cdot MomArm_{LL\_A} = 0.0 \text{ kip}\cdot\text{ft} \quad \text{Moment about the y-axis}$$

#### Case B

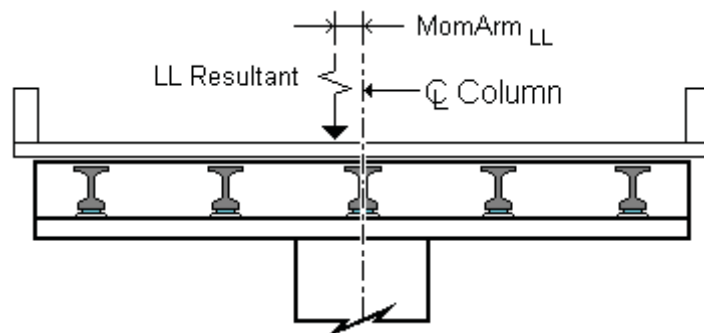
$$P_{LL\_B\_IM} = [Lane_{Rxn} + (1 + IM) \cdot Truck_{Rxn}] \cdot m_B \cdot Lanes_B = 187.3 \text{ kip} \quad \text{Axial Load}$$

$$M_{x\_LL\_B\_IM} = e_{Brng} \cdot |LL_{B\_IM\_Fwd} - LL_{B\_IM\_Bk}| = 117.0 \text{ kip}\cdot\text{ft} \quad \text{Moment about the x-axis}$$

$$M_{y\_LL\_B\_IM} = P_{LL\_B\_IM} \cdot MomArm_{LL\_B} = 2434.4 \text{ kip}\cdot\text{ft} \quad \text{Moment about the y-axis}$$

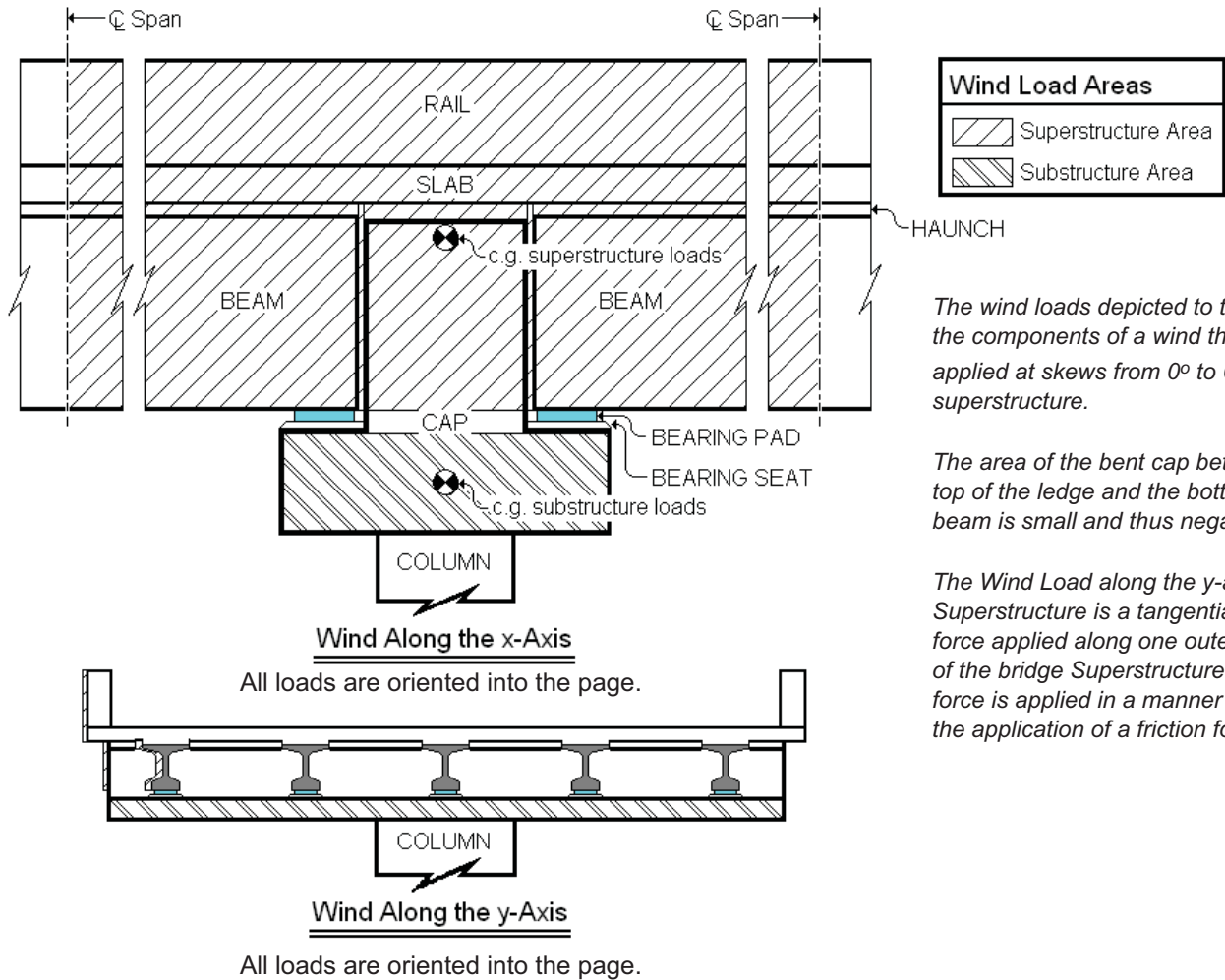


Moment about the x-axis



Moment about the y-axis

**Wind Load** (AASHTO LRFD 3.8)



The wind loads depicted to the left are the components of a wind that is applied at skews from 0° to 60° to the superstructure.

The area of the bent cap between the top of the ledge and the bottom of the beam is small and thus negated.

The Wind Load along the y-axis of the Superstructure is a tangential surface force applied along one outer surface of the bridge Superstructure. This force is applied in a manner similar to the application of a friction force.

## Wind Load (Con't)

### Wind on Superstructure (AASHTO LRFD 3.8.1.2.2)

#### Depth of Superstructure

$$\text{SuperDepth} = \text{RailH} + \text{SlabTh} + \text{HaunchTh} + \text{BmH} = 8.37 \text{ ft}$$

#### Depth of Bearing

$$\text{BrngDepth} = 1.5 \text{ in BrngSeat} + 2.75 \text{ in BrngPad} = 4.25 \text{ in}$$

*Distance from the bottom of the beam to the top of the ledge*

#### Moment Arm for Superstructure Loads

$$\text{MomentArm}_{\text{Super}} = d_{\text{ledge}} + \text{BrngDepth} + \frac{\text{SuperDepth}}{2} = 6.87 \text{ ft}$$

#### Area of Superstructure

$$A_{\text{Super}} = \text{AvgSp} \cdot \text{SuperDepth} = 879.4 \text{ ft}^2$$

*Area of Superstructure that Wind Load acts on*

(AASHTO LRFD Table 3.8.1.2.2-1)

### **Wind Pressure on Superstructure**

Wind Skew	Lateral Load(psf)	Longit. Load(psf)
$\Theta$	$q_{t\_W\text{Super}}$	$q_{L\_W\text{Super}}$
0	50	0
15	44	6
30	41	12
45	33	16
60	17	19

*The Wind Pressure in this table is based on a 100mph wind. Design for the 100mph wind, unless the structure is unusually tall (column heights of 100 ft or greater) or in particularly windy areas (such as coastal regions). (TxSP)*

*For columns taller than 100 ft., see "Wind Forces on Structures," J. M. Briggs, Transactions, American Society of Civil Engineers, Paper No. 3269, Volume 126, Part 2, Final Report, 1961.*

*$q_{t\_W\text{Super}}$  is the wind pressure in the transverse direction of the superstructure, and  $q_{L\_W\text{Super}}$  is the wind pressure in the longitudinal direction of the superstructure.*

## Wind Loads (Con't)

### Wind on Superstructure (Con't)

#### **Loads on Columns due to Wind on the Superstructure**

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

Force in the transverse direction of the superstructure due to wind on the superstructure

$$F_{t\_WSuper} = q_{t\_WSuper} \cdot A_{Super}$$

$$F_{t\_WSuper} = \begin{pmatrix} 44.0 \\ 38.7 \\ 36.1 \\ 29.0 \\ 14.9 \end{pmatrix} \text{ kip}$$

Force in the longitudinal direction of the superstructure due to wind on the superstructure

$$F_{L\_WSuper} = q_{L\_WSuper} \cdot A_{Super}$$

$$F_{L\_WSuper} = \begin{pmatrix} 0.0 \\ 5.3 \\ 10.6 \\ 14.1 \\ 16.7 \end{pmatrix} \text{ kip}$$

There is no skew between the superstructure and the substructure, therefore the loads in the transverse direction of the superstructure are in the x-direction, and the loads in the longitudinal direction of the superstructure are in the y-direction.

Force along the x-axis due to wind on the superstructure

$$F_{x\_WSuper} = F_{t\_WSuper}$$

$$F_{x\_WSuper} = \begin{pmatrix} 44.0 \\ 38.7 \\ 36.1 \\ 29.0 \\ 14.9 \end{pmatrix} \text{ kip}$$

Moment about the y-axis due to wind on the superstructure

$$M_{y\_WSuper} = F_{x\_WSuper} \cdot \text{MomentArm}_{Super}$$

$$M_{y\_WSuper} = \begin{pmatrix} 302.3 \\ 266.0 \\ 247.9 \\ 199.5 \\ 102.8 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## Wind Loads (Con't)

### Wind on Superstructure (Con't)

#### Loads on Columns due to Wind on the Superstructure (Con't)

Force along the y-axis due to wind on the superstructure

$$F_{y\_WSuper} = F_{L\_WSuper}$$
$$F_{y\_WSuper} = \begin{pmatrix} 0.0 \\ 5.3 \\ 10.6 \\ 14.1 \\ 16.7 \end{pmatrix} \text{ kip}$$

Moment about the x-axis due to wind on the superstructure

$$M_{x\_WSuper} = F_{y\_WSuper} \cdot \text{MomentArm}_{Super}$$
$$M_{x\_WSuper} = \begin{pmatrix} 0.0 \\ 36.3 \\ 72.5 \\ 96.7 \\ 114.9 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

### Wind on Substructure (AASHTO LRFD 3.8.1.2.3)

Depth of the Superstructure

$$\text{SubDepth} = d_{\text{ledge}} = 2.33 \text{ ft}$$

Cap End Area

$$\text{Area}_{\text{Sub}_x} = \text{SubDepth} \cdot b_{f\_Cap} = 20.03 \text{ ft}^2$$

*Area of Substructure that Wind Load acts on in the x-direction*

Cap Side Area

$$\text{Area}_{\text{Sub}_y} = \text{SubDepth} \cdot L_{\text{Cap}} = 84.00 \text{ ft}^2$$

*Area of Substructure that Wind Load acts on in the y-direction*

Moment Arm for Substructure Loads

$$\text{MomentArm}_{\text{Sub}} = \frac{\text{SubDepth}}{2} = 1.17 \text{ ft}$$

Column Width for Loading along the x-axis

$$W_{\text{Col}} = 4.00 \text{ ft}$$

Column Width for Loading along the y-axis

$$L_{\text{Col}} = 8.00 \text{ ft}$$



## Wind Loads (Con't)

### Wind on Substructure (Con't)

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

### **Wind Pressure on Substructure**

Force in the transverse direction of the superstructure due to wind on the superstructure

$$q_{x\_WSub} = 40 \text{ psf} \cdot \cos(\theta)$$

$$q_{x\_WSub} = \begin{pmatrix} 40.0 \\ 38.6 \\ 34.6 \\ 28.3 \\ 20.0 \end{pmatrix} \text{ psf}$$

*Wind Pressure on the Substructure is 40psf. This pressure is based on a 100mph wind. We will design for the 100mph wind as per TxDOT practice. The magnitude of the pressure on the end and side on the Substructure is 40psf multiplied by the Cosine and Sine of the Angle of the Wind relative to the Bent Axes.*

Force in the longitudinal direction of the superstructure due to wind on the superstructure

$$q_{y\_WSub} = 40 \text{ psf} \cdot \sin(\theta)$$

$$q_{y\_WSub} = \begin{pmatrix} 0.0 \\ 10.4 \\ 20.0 \\ 28.3 \\ 34.6 \end{pmatrix} \text{ psf}$$

### **Loads on Columns due to Wind on the Substructure**

Force along the x-axis due to wind on the substructure

$$F_{x\_WSub} = q_{x\_WSub} \cdot \text{Area}_{Sub\_x}$$

$$F_{x\_WSub} = \begin{pmatrix} 0.8 \\ 0.8 \\ 0.7 \\ 0.6 \\ 0.4 \end{pmatrix} \text{ kip}$$

Moment about the y-axis due to wind on the substructure

$$M_{y\_WSub} = F_{x\_WSub} \cdot \text{MomentArm}_{Sub}$$

$$M_{y\_WSub} = \begin{pmatrix} 0.9 \\ 0.9 \\ 0.8 \\ 0.7 \\ 0.5 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## Wind Loads (Con't)

### Wind on Substructure (Con't)

#### **Loads on Columns due to Wind on the Substructure** (Con't)

Force along the y-axis due to wind on the substructure

$$F_{y\_WSub} = q_{y\_WSub} \cdot Area_{Sub\_y}$$

$$F_{y\_WSub} = \begin{pmatrix} 0.0 \\ 0.9 \\ 1.7 \\ 2.4 \\ 2.9 \end{pmatrix} \text{ kip}$$

Moment about the x-axis due to wind on the substructure

$$M_{x\_WSub} = F_{y\_WSub} \cdot MomentArm_{Sub}$$

$$M_{x\_WSub} = \begin{pmatrix} 0.0 \\ 1.0 \\ 2.0 \\ 2.8 \\ 3.4 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

#### **Loads on Columns due to Wind on the Column**

Uniform Load along the x-axis due to wind on the column

$$w_{x\_WCol} = q_{x\_WSub} \cdot W_{Col}$$

$$w_{x\_WCol} = \begin{pmatrix} 0.160 \\ 0.155 \\ 0.139 \\ 0.113 \\ 0.080 \end{pmatrix} \text{ klf}$$

Uniform Load along the y-axis due to wind on the column

$$w_{y\_WCol} = q_{y\_WSub} \cdot L_{Col}$$

$$w_{y\_WCol} = \begin{pmatrix} 0.000 \\ 0.083 \\ 0.160 \\ 0.226 \\ 0.277 \end{pmatrix} \text{ klf}$$

## Wind Loads (Con't)

### Wind on Substructure (Con't)

#### **Loads on Columns due to Wind on Structural Components**

Force along the x-axis due to wind on the structural components of the bridge

$$F_{x\_WS} = F_{x\_WSuper} + F_{x\_WSub}$$

$$F_{x\_WS} = \begin{pmatrix} 44.8 \\ 39.5 \\ 36.7 \\ 29.6 \\ 15.3 \end{pmatrix} \text{ kip}$$

Moment about the y-axis due to wind on the structural components of the bridge

$$M_{y\_WS} = M_{y\_WSuper} + M_{y\_WSub}$$

$$M_{y\_WS} = \begin{pmatrix} 303.2 \\ 266.9 \\ 248.7 \\ 200.2 \\ 103.2 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

Uniform Load along the x-axis due to wind on the structural components of the bridge

$$w_{x\_WS} = w_{x\_WCol}$$

$$w_{x\_WS} = \begin{pmatrix} 0.160 \\ 0.155 \\ 0.139 \\ 0.113 \\ 0.080 \end{pmatrix} \text{ klf}$$

Force along the y-axis due to wind on the structural components of the bridge

$$F_{y\_WS} = F_{y\_WSuper} + F_{y\_WSub}$$

$$F_{y\_WS} = \begin{pmatrix} 0.0 \\ 6.1 \\ 12.2 \\ 16.4 \\ 19.6 \end{pmatrix} \text{ kip}$$

Moment about the x-axis due to wind on the structural components of the bridge

$$M_{x\_WS} = M_{x\_WSuper} + M_{x\_WSub}$$

$$M_{x\_WS} = \begin{pmatrix} 0.0 \\ 37.3 \\ 74.5 \\ 99.5 \\ 118.3 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## Wind Loads (Con't)

### Wind on Substructure (Con't)

#### **Loads on Columns due to Wind on Structural Components** (Con't)

Uniform Load along the y-axis due to wind on the structural components of the bridge

$$w_{y\_WS} = w_{y\_WCol}$$

$$w_{y\_WS} = \begin{pmatrix} 0.000 \\ 0.083 \\ 0.160 \\ 0.226 \\ 0.277 \end{pmatrix} \text{ klf}$$

### Overturning Force (AASHTO LRFD 3.8.2)

Vertical Upward Wind Pressure

$$q_{OF} = -0.020 \text{ ksf}$$

$q_{OF}$  is applied to the entire width of the deck.

Moment Arm for Overturning Force

$$\text{MomentArm}_{OF} = \frac{1}{2} \cdot \text{BridgeW} - \frac{1}{4} \cdot \text{BridgeW} = 9.50 \text{ ft}$$

Located at the quarter point of the deck

Axial Force due to Overturning Force

$$P_{OF} = q_{OF} \cdot \text{BridgeW} \cdot \text{AvgSp} = -79.8 \text{ kip}$$

A negative Axial Force is a tensile force.

Moment about the y-axis due to Overturning Force

$$M_{y\_OF} = |P_{OF} \cdot \text{MomentArm}_{OF}| = 758.1 \text{ kip}\cdot\text{ft}$$

### Wind on Live Load (AASHTO LRFD 3.8.1.3)

Moment Arm for forces acting on the Live Load

$$\text{MomentArm}_{LL} = \text{SuperDepth} + \text{BrngDepth} + \text{SubDepth} - \text{RailH} + 6 \text{ ft}$$

$$\text{MomentArm}_{LL} = 14.40 \text{ ft}$$

Loads acting on the live load act six feet above the surface of the deck. (AASHTO LRFD 3.8.1.3)

#### **Wind Components on Live Load**

Wind Skew	Lateral Load(psf)	Longit. Load(psf)
$\Theta$	$q_{t\_WL}$	$q_{L\_WL}$
0	100	0
15	88	12
30	82	24
45	66	32
60	34	38

(AASHTO LRFD Table 3.8.1.3-1)

$q_{t\_WSL}$  is the wind pressure in the transverse direction of the superstructure, and  $q_{L\_WL}$  is the wind pressure in the longitudinal direction of the superstructure.

## Wind Loads (Con't)

### Wind on Live Load (Con't)

#### **Loads on Columns due to Wind on the Live Load**

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

Force in the transverse direction of the superstructure due to wind on the live load

$$F_{t\_WL} = w_{t\_WL} \cdot \text{AvgSp}$$

$$F_{t\_WL} = \begin{pmatrix} 10.5 \\ 9.2 \\ 8.6 \\ 6.9 \\ 3.6 \end{pmatrix} \text{ kip}$$

Force in the longitudinal direction of the superstructure due to wind on the live load

$$F_{L\_WL} = w_{L\_WL} \cdot \text{AvgSp}$$

$$F_{L\_WL} = \begin{pmatrix} 0.0 \\ 1.3 \\ 2.5 \\ 3.4 \\ 4.0 \end{pmatrix} \text{ kip}$$

There is no skew between the superstructure and the substructure, therefore the loads in the transverse direction of the superstructure are in the x-direction, and the loads in the longitudinal direction of the superstructure are in the y-direction.

Force along the x-axis due to wind on the live load

$$F_{x\_WL} = F_{t\_WL}$$

$$F_{x\_WL} = \begin{pmatrix} 10.5 \\ 9.2 \\ 8.6 \\ 6.9 \\ 3.6 \end{pmatrix} \text{ kip}$$

Moment about the y-axis due to wind on the live load

$$M_{y\_WL} = F_{x\_WL} \cdot \text{MomentArm}_{LL}$$

$$M_{y\_WL} = \begin{pmatrix} 151.2 \\ 133.0 \\ 123.9 \\ 99.8 \\ 51.4 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## **Wind Loads** (Con't)

### **Wind on Live Load** (Con't)

#### **Loads on Columns due to Wind on the Live Load** (Con't)

Force along the y-axis due to wind on the live load

$$F_{y\_WL} = F_{L\_WL}$$
$$F_{y\_WL} = \begin{pmatrix} 0.0 \\ 1.3 \\ 2.5 \\ 3.4 \\ 4.0 \end{pmatrix} \text{ kip}$$

Moment about the x-axis due to wind on the live load

$$M_{x\_WL} = F_{y\_WL} \cdot \text{MomentArm}_{LL}$$
$$M_{x\_WL} = \begin{pmatrix} 0.0 \\ 18.1 \\ 36.3 \\ 48.4 \\ 57.4 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## **Stream Pressure** (AASHTO LRFD 3.7.3.1)

*There is no stream pressure on this column, as there is no water under this bridge.*

## **Braking Force** (AASHTO LRFD 3.6.4)

### Truck Load

$$\text{Truck} = 32 \text{ kip} + 32 \text{ kip} + 8 \text{ kip} = 72 \frac{\text{kip}}{\text{lane}}$$

*Weight of the truck*

*The Weight of the Truck is the sum of axle weights*

### Lane Load

$$\text{Lane} = 0.64 \text{ klf} \cdot \text{AvgSp} = 67.2 \frac{\text{kip}}{\text{lane}}$$

### Total Live Load

$$\text{TL} = \text{Truck} + \text{Lane} = 139.2 \frac{\text{kip}}{\text{lane}}$$

*Sum of Truck and Lane Loads*

### Breaking Force

$$\text{BF} = 0.05 \cdot \text{TL} = 7.0 \frac{\text{kip}}{\text{lane}}$$

*It is TxDOT policy is to use 5% (Truck+Lane) Load for Breaking Force (BDM-LRFD, Ch. 2, Sect. 2, Braking Force), while AASHTO LRFD uses the maximum of 25% Truck Load and 5% (Truck+Lane) Load. (AASHTO LRFD 3.6.4)*

## **Case A**

### Braking Force in Longitudinal Direction (along the y-axis)

$$F_{y\_BR\_A} = \text{BF} \cdot m_A \cdot \text{Lanes}_A = 17.7 \text{ kip}$$

### Moment about the x-axis due to Braking Force

$$M_{x\_BR\_A} = F_{y\_BR\_A} \cdot \text{MomentArm}_{LL} = 255.5 \text{ kip}\cdot\text{ft}$$

## **Case B**

### Braking Force in Longitudinal Direction (along the y-axis)

$$F_{y\_BR\_B} = \text{BF} \cdot m_B \cdot \text{Lanes}_B = 8.4 \text{ kip}$$

### Moment about the x-axis due to Braking Force

$$M_{x\_BR\_B} = F_{y\_BR\_B} \cdot \text{MomentArm}_{LL} = 120.2 \text{ kip}\cdot\text{ft}$$

## Centrifugal Force (AASHTO LRFD Table 3.6.3)

$$f = \frac{4}{3}$$

Constant  
(AASHTO LRFD 3.6.3 ~ for load combinations other than fatigue)

### Degree of Horizontal Curve

$$D = 4 \text{ deg}$$

(Bridge Layout, see Appendices)

### Radius of Horizontal Curve

$$R = \frac{360 \text{ deg} \times 100 \text{ ft}}{2\pi D} = 1432.4 \text{ ft}$$

(AASHTO's A Policy on Geometric Design of Highways and Streets, "Horizontal Alignment")

### Design Speed

$$v = 60 \text{ mph} = 88 \frac{\text{ft}}{\text{s}}$$

(Bridge Layout, see Appendices)

### Gravitational Acceleration Constant

$$g = 32.17 \frac{\text{ft}}{\text{s}^2}$$

### Centrifugal Effect Factor

$$C = f \frac{v^2}{g R} = 0.224$$

Centrifugal Effect Factor  
(AASHTO LRFD 3.6.3-1)

## **Case A**

### Centrifugal Force in Longitudinal Direction (along the x-axis)

$$F_{x\_CE\_A} = \text{Truck} \cdot C \cdot m_A \cdot \text{Lanes}_A = 41.1 \text{ kip}$$

### Moment about the y-axis due to Centrifugal Force

$$M_{y\_CE\_A} = F_{x\_CE\_A} \cdot \text{MomentArm}_{LL} = 592.2 \text{ kip}\cdot\text{ft}$$

## **Case B**

### Centrifugal Force in Longitudinal Direction (along the x-axis)

$$F_{x\_CE\_B} = \text{Truck} \cdot C \cdot m_B \cdot \text{Lanes}_B = 19.4 \text{ kip}$$

### Moment about the y-axis due to Centrifugal Force

$$M_{y\_CE\_B} = F_{x\_CE\_B} \cdot \text{MomentArm}_{LL} = 278.7 \text{ kip}\cdot\text{ft}$$



## Factored Loads (AASHTO LRFD Table 3.4.1-1 & Table 3.4.1-2)

The three load cases that are considered for column design are: Strength I, Strength III, and Strength V.

$$\text{Strength I} = 1.25/0.9 \cdot DC + 1.50/0.65 \cdot DW + 1.75 \cdot LL + 1.0 \cdot WA + 1.75 \cdot CE + 1.75 \cdot BR$$

$$\text{Strength III} = 1.25/0.9 \cdot DC + 1.50/0.65 \cdot DW + 1.0 \cdot WA + 1.4 \cdot WS + 1.4 \cdot OF$$

$$\text{Strength V} = 1.25/0.9 \cdot DC + 1.50/0.65 \cdot DW + 1.35 \cdot LL + 1.0 \cdot WA + 1.35 \cdot CE + 0.4 \cdot WS + 1.0 \cdot WL + 1.35 \cdot BR$$

Where:

DL is the Dead Load

LL is the Live Load

WS is the Wind Load on the Structural Components of the Bridge

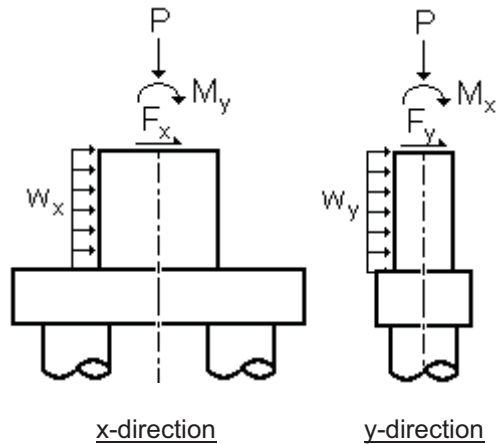
OF is the Overturning Force due to the wind uplift

WL is the Wind Load on the Live Load

WA is the Water Load

BR is the Breaking Force from the Live Load

CE is the Centrifugal Force due to the curvature of the Live Load path



Loads Applied to Column

### Strength I (with Impact)

$$\text{Strength I} = 1.25/0.9 \cdot DC + 1.50/0.65 \cdot DW + 1.75 \cdot LL + 1.0 \cdot WA + 1.75 \cdot CE + 1.75 \cdot BR$$

#### **Case A**

Axial Load on the column due to Strength I Case A loading

$$P_{\text{Str1\_A}} = 1.25 P_{\text{DC}} + 1.5 P_{\text{DW}} + 1.75 P_{\text{LL\_A\_IM}}$$

$$P_{\text{Str1\_A}} = 2587.9 \text{ kip}$$

Force at the top of the column along the x-axis due to Strength I Case A loading

$$F_{x\_Str1\_A} = 1.75 F_{x\_CE\_A}$$

$$F_{x\_Str1\_A} = 72.0 \text{ kip}$$

Force at the top of the column along the y-axis due to Strength I Case A loading

$$F_{y\_Str1\_A} = 1.75 F_{y\_BR\_A}$$

$$F_{y\_Str1\_A} = 31.1 \text{ kip}$$

## **Factored Loads** (Con't)

### **Strength I** (Con't)

#### **Case A** (Con't)

Moment at the top of the column about the x-axis due to Strength I Case A loading

$$M_{x\_Str1\_A} = 1.25 M_{x\_DC} + 1.5 M_{x\_DW} + 1.75 M_{x\_LL\_A\_IM} + 1.75 M_{x\_BR\_A}$$

$$M_{x\_Str1\_A} = 1063.8 \text{ kip}\cdot\text{ft}$$

Moment at the top of the column about the y-axis due to Strength I Case A loading

$$M_{y\_Str1\_A} = 1.25 M_{y\_DC} + 1.50 M_{y\_DW} + 1.75 M_{y\_LL\_A\_IM} + 1.75 M_{y\_CE\_A}$$

$$M_{y\_Str1\_A} = 1036.3 \text{ kip}\cdot\text{ft}$$

#### **Case B**

Axial Load on the column due to Strength I Case B loading

$$P_{Str1\_B} = 0.9 P_{DC} + 0.65 P_{DW} + 1.75 P_{LL\_B\_IM}$$

$$P_{Str1\_B} = 1651.7 \text{ kip}$$

Force at the top of the column along the x-axis due to Strength I Case B loading

$$F_{x\_Str1\_B} = 1.75 F_{x\_CE\_B}$$

$$F_{x\_Str1\_B} = 33.9 \text{ kip}$$

Force at the top of the column along the y-axis due to Strength I Case B loading

$$F_{y\_Str1\_B} = 1.75 F_{y\_BR\_B}$$

$$F_{y\_Str1\_B} = 14.6 \text{ kip}$$

Moment at the top of the column about the x-axis due to Strength I Case B loading

$$M_{x\_Str1\_B} = 0.9 M_{x\_DC} + 0.65 M_{x\_DW} + 1.75 M_{x\_LL\_B\_IM} + 1.75 M_{x\_BR\_B}$$

$$M_{x\_Str1\_B} = 540.3 \text{ kip}\cdot\text{ft}$$

Moment at the top of the column about the y-axis due to Strength I Case B loading

$$M_{y\_Str1\_B} = 0.9 M_{y\_DC} + 0.65 M_{y\_DW} + 1.75 M_{y\_LL\_B\_IM} + 1.75 M_{y\_CE\_B}$$

$$M_{y\_Str1\_B} = 4747.9 \text{ kip}\cdot\text{ft}$$

#### **Both Cases**

Uniform Load along the side of the column in the direction of the x-axis due to Strength I loading

$$w_{x\_Str1} = 0 \text{ klf}$$

Uniform Load along the side of the column in the direction of the y-axis due to Strength I loading

$$w_{y\_Str1} = 0 \text{ klf}$$

## Factored Loads (Con't)

### Strength III

$$\text{Strength III} = 1.25/0.9*DC + 1.50/0.65*DW + 1.0*WA + 1.4*WS + 1.4*OF$$

As there is no Live Load in Strength III, "Case A" is the case with the maximum Axial Load, achieved by using the 1.25 Load Factor for Dead Load. Likewise, "Case B" is the case with the minimum Axial Load, achieved by using the 0.9 Live Load Factor for Dead Load.

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

### Load Case A

Axial Load on the column due to Strength III Case A loading

$$P_{\text{Str3\_A}} = 1.25 P_{\text{DC}} + 1.50 P_{\text{DW}} + 1.4 \begin{pmatrix} P_{\text{OF}} \\ 0\text{kip} \\ 0\text{kip} \\ 0\text{kip} \\ 0\text{kip} \end{pmatrix}$$

*The Overturning force is only applied with the Wind Skew at 0° (AASHTO LRFD 3.8.2)*

$$P_{\text{Str3\_A}} = \begin{pmatrix} 1779.8 \\ 1891.5 \\ 1891.5 \\ 1891.5 \\ 1891.5 \end{pmatrix} \text{ kip}$$

Force at the top of the column along the x-axis due to Strength III Case A loading

$$F_{x\_Str3\_A} = 1.4 F_{x\_WS}$$
$$F_{x\_Str3\_A} = \begin{pmatrix} 62.7 \\ 55.3 \\ 51.4 \\ 41.4 \\ 21.5 \end{pmatrix} \text{ kip}$$

Force at the top of the column along the y-axis due to Strength III Case A loading

$$F_{y\_Str3\_A} = 1.4 F_{y\_WS}$$
$$F_{y\_Str3\_A} = \begin{pmatrix} 0.0 \\ 8.6 \\ 17.1 \\ 23.0 \\ 27.5 \end{pmatrix} \text{ kip}$$

## Factored Loads applied to Column (Con't)

### Strength III (Con't)

#### **Load Case A** (Con't)

Moment at the top of the column about the x-axis due to Strength III Case A loading

$$M_{x\_Str3\_A} = 1.25 M_{x\_DC} + 1.50 M_{x\_DW} + 1.4 M_{x\_WS}$$

$$M_{x\_Str3\_A} = \begin{pmatrix} 181.7 \\ 233.9 \\ 286.0 \\ 321.0 \\ 347.3 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

Moment at the top of the column about the y-axis due to Strength III Case A loading

$$M_{y\_Str3\_A} = 1.25 M_{y\_DC} + 1.50 M_{y\_DW} + 1.4 M_{y\_WS} + 1.4 \begin{pmatrix} M_{y\_OF} \\ 0 \text{ kip}\cdot\text{ft} \\ 0 \text{ kip}\cdot\text{ft} \\ 0 \text{ kip}\cdot\text{ft} \\ 0 \text{ kip}\cdot\text{ft} \end{pmatrix}$$

$$M_{y\_Str3\_A} = \begin{pmatrix} 1485.8 \\ 373.7 \\ 348.2 \\ 280.2 \\ 144.5 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

*The Overturning force is only applied with the Wind Skew at 0° (AASHTO LRFD 3.8.2)*

#### **Load Case B**

Axial Load on the column due to Strength III Case B loading

$$P_{Str3\_B} = 0.9 P_{DC} + 0.65 P_{DW} + 1.4 \begin{pmatrix} P_{OF} \\ 0 \text{ kip} \\ 0 \text{ kip} \\ 0 \text{ kip} \\ 0 \text{ kip} \end{pmatrix}$$

$$P_{Str3\_B} = \begin{pmatrix} 1212.2 \\ 1324.0 \\ 1324.0 \\ 1324.0 \\ 1324.0 \end{pmatrix} \text{ kip}$$

*The Overturning force is only applied with the Wind Skew at 0° (AASHTO LRFD 3.8.2)*

## Factored Loads (Con't)

### Strength III (Con't)

#### **Load Case B** (Con't)

Force at the top of the column along the x-axis due to Strength III Case B loading

$$F_{x\_Str3\_B} = 1.4 F_{x\_WS}$$
$$F_{x\_Str3\_B} = \begin{pmatrix} 62.7 \\ 55.3 \\ 51.4 \\ 41.4 \\ 21.5 \end{pmatrix} \text{ kip}$$

Force at the top of the column along the y-axis due to Strength III Case B loading

$$F_{y\_Str3\_B} = 1.4 F_{y\_WS}$$
$$F_{y\_Str3\_B} = \begin{pmatrix} 0.0 \\ 8.6 \\ 17.1 \\ 23.0 \\ 27.5 \end{pmatrix} \text{ kip}$$

Moment at the top of the column about the x-axis due to Strength III Case B loading

$$M_{x\_Str3\_B} = 0.9 M_{x\_DC} + 0.65 M_{x\_DW} + 1.4 M_{x\_WS}$$
$$M_{x\_Str3\_B} = \begin{pmatrix} 125.2 \\ 177.4 \\ 229.5 \\ 264.5 \\ 290.7 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

Moment at the top of the column about the y-axis due to Strength III Case B loading

$$M_{y\_Str3\_B} = 0.9 M_{y\_DC} + 0.65 M_{y\_DW} + 1.4 M_{y\_WS} + 1.4 \begin{pmatrix} M_{y\_OF} \\ 0 \text{ kip}\cdot\text{ft} \\ 0 \text{ kip}\cdot\text{ft} \\ 0 \text{ kip}\cdot\text{ft} \\ 0 \text{ kip}\cdot\text{ft} \end{pmatrix}$$
$$M_{y\_Str3\_B} = \begin{pmatrix} 1485.8 \\ 373.7 \\ 348.2 \\ 280.2 \\ 144.5 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

*The Overturning force is only applied with the Wind Skew at 0° (AASHTO LRFD 3.8.2)*

## Factored Loads (Con't)

### Strength III (Con't)

#### **Both Load Cases**

Uniform Load along the side of the column in the direction of the x-axis due to Strength III loading

$$w_{x\_Str3} = 1.4 w_{x\_WS}$$
$$w_{x\_Str3} = \begin{pmatrix} 0.224 \\ 0.216 \\ 0.194 \\ 0.158 \\ 0.112 \end{pmatrix} \text{ klf}$$

Uniform Load along the side of the column in the direction of the y-axis due to Strength III loading

$$w_{y\_Str3} = 1.4 w_{y\_WS}$$
$$w_{y\_Str3} = \begin{pmatrix} 0.000 \\ 0.116 \\ 0.224 \\ 0.317 \\ 0.388 \end{pmatrix} \text{ klf}$$

### Strength V (with Impact)

$$\text{Strength V} = 1.25/0.9 \cdot DC + 1.50/0.65 \cdot DW + 1.35 \cdot LL + 1.0 \cdot WA + 1.35 \cdot CE + 0.4 \cdot WS + 1.0 \cdot WL + 1.35 \cdot BR$$

*The overturning force is not applied to Strength V (AASHTO LRFD 3.8.2)*

#### **Case A**

Axial Load on the column due to Strength V Case A loading

$$P_{Str5\_A} = 1.25 P_{DC} + 1.50 P_{DW} + 1.35 P_{LL\_A\_IM}$$
$$P_{Str5\_A} = 2428.7 \text{ kip}$$

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

Force at the top of the column along the x-axis due to Strength V Case A loading

$$F_{x\_Str5\_A} = 1.35 F_{x\_CE\_A} + 0.4 F_{x\_WS} + 1.0 F_{x\_WL}$$
$$F_{x\_Str5\_A} = \begin{pmatrix} 83.9 \\ 80.6 \\ 78.8 \\ 74.3 \\ 65.2 \end{pmatrix} \text{ kip}$$

## **Factored Loads** (Con't)

### **Strength V** (Con't)

#### **Case A** (Con't)

Force at the top of the column along the y-axis due to Strength V Case A loading

$$F_{y\_Str5\_A} = 1.35 F_{y\_BR\_A} + 0.4 F_{y\_WS} + 1.0 F_{y\_WL}$$

$$F_{y\_Str5\_A} = \begin{pmatrix} 24.0 \\ 27.7 \\ 31.4 \\ 33.9 \\ 35.8 \end{pmatrix} \text{ kip}$$

Moment at the top of the column about the x-axis due to Strength V Case A loading

$$M_{x\_Str5\_A} = 1.25 M_{x\_DC} + 1.50 M_{x\_DW} + 1.35 M_{x\_LL\_A\_IM} + 1.35 M_{x\_BR\_A} + 0.4 M_{x\_WS} \dots \\ + 1.0 M_{x\_WL}$$

$$M_{x\_Str5\_A} = \begin{pmatrix} 862.2 \\ 895.2 \\ 928.3 \\ 950.4 \\ 966.9 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

Moment at the top of the column about the y-axis due to Strength V Case A loading

$$M_{y\_Str5\_A} = 1.25 M_{y\_DC} + 1.50 M_{y\_DW} + 1.35 M_{y\_LL\_A\_IM} + 1.35 M_{y\_CE\_A} + 0.4 M_{y\_WS} \dots \\ + 1.0 M_{y\_WL}$$

$$M_{y\_Str5\_A} = \begin{pmatrix} 1071.9 \\ 1039.2 \\ 1022.8 \\ 979.3 \\ 892.1 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## Factored Loads (Con't)

### Strength V (Con't)

#### **Case B**

Axial Load on the column due to Strength V Case B loading

$$P_{\text{Str5\_B}} = 0.9 P_{\text{DC}} + 0.65 P_{\text{DW}} + 1.35 P_{\text{LL\_B\_IM}}$$

$$P_{\text{Str5\_B}} = 1576.8 \text{ kip}$$

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

Force at the top of the column along the x-axis due to Strength V Case B loading

$$F_{x\_Str5\_B} = 1.35 F_{x\_CE\_B} + 0.4 F_{x\_WS} + 1.0 F_{x\_WL}$$

$$F_{x\_Str5\_B} = \begin{pmatrix} 54.5 \\ 51.2 \\ 49.4 \\ 44.9 \\ 35.8 \end{pmatrix} \text{ kip}$$

Force at the top of the column along the y-axis due to Strength V Case B loading

$$F_{y\_Str5\_B} = 1.35 F_{y\_BR\_B} + 0.4 F_{y\_WS} + 1.0 F_{y\_WL}$$

$$F_{y\_Str5\_B} = \begin{pmatrix} 11.3 \\ 15.0 \\ 18.7 \\ 21.2 \\ 23.1 \end{pmatrix} \text{ kip}$$

Moment at the top of the column about the x-axis due to Strength V Case B loading

$$M_{x\_Str5\_B} = 0.9 M_{x\_DC} + 0.65 M_{x\_DW} + 1.35 M_{x\_LL\_B\_IM} + 1.35 M_{x\_BR\_B} + 0.4 M_{x\_WS} \dots \\ + 1.0 M_{x\_WL}$$

$$M_{x\_Str5\_B} = \begin{pmatrix} 445.4 \\ 478.5 \\ 511.5 \\ 533.6 \\ 550.2 \end{pmatrix} \text{ kip}\cdot\text{ft}$$



## **Factored Loads** (Con't)

### **Strength V** (Con't)

#### **Case B** (Con't)

Moment at the top of the column about the y-axis due to Strength V Case B loading

$$M_{y\_Str5\_B} = 0.9 M_{y\_DC} + 0.65 M_{y\_DW} + 1.35 M_{y\_LL\_B\_IM} + 1.35 M_{y\_CE\_B} + 0.4 M_{y\_WS} \dots \\ + 1.0 M_{y\_WL}$$

$$M_{y\_Str5\_B} = \begin{pmatrix} 3935.1 \\ 3902.5 \\ 3886.1 \\ 3842.5 \\ 3755.4 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

#### **Both Cases**

Uniform Load along the side of the column in the direction of the x-axis due to Strength V loading

$$w_{x\_Str5} = 0.4 w_{x\_WS}$$

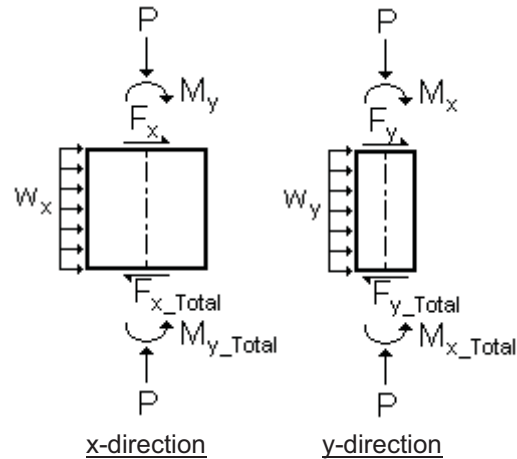
$$w_{x\_Str5} = \begin{pmatrix} 0.064 \\ 0.062 \\ 0.055 \\ 0.045 \\ 0.032 \end{pmatrix} \text{ klf}$$

Uniform Load along the side of the column in the direction of the y-axis due to Strength V loading

$$w_{y\_Str5} = 0.4 w_{y\_WS}$$

$$w_{y\_Str5} = \begin{pmatrix} 0.000 \\ 0.033 \\ 0.064 \\ 0.091 \\ 0.111 \end{pmatrix} \text{ klf}$$

## Column Loads (Ignoring P- $\Delta$ Effects)



### Column Free Body Diagram

The loads calculated from the free body diagram are first order reactions. These loads will be used to run a preliminary analysis of the column. If these loads are outside or barely inside the Moment-Axial Load (M-P) envelope for the column with the vertical reinforcement maxed out, the column size will need to increase and the loads will need to be recalculated.

A second order analysis will be used to get the moments increased by the P- $\Delta$  effects. If the column is short and stiff, the first order loads should be sufficient for design. Use your engineering judgment to determine whether a second order analysis is necessary.

## Column Loads (Con't)

### Strength I

#### **Case A**

Design Axial Load on column due to Strength I Case A loading

$$P_{\text{Str1\_A}} = 2587.9 \text{ kip}$$

First order Design Moment on the column about the x-axis due to Strength I Case A loading

$$M_{x\_Total\_Str1\_A} = M_{x\_Str1\_A} + F_{y\_Str1\_A} \cdot H_{\text{Col}} + w_{y\_Str1} \cdot \frac{H_{\text{Col}}^2}{2}$$
$$M_{x\_Total\_Str1\_A} = 2616.8 \text{ kip}\cdot\text{ft}$$

First order Design Moment on the column about the y-axis due to Strength I Case A loading

$$M_{y\_Total\_Str1\_A} = M_{y\_Str1\_A} + F_{x\_Str1\_A} \cdot H_{\text{Col}} + w_{x\_Str1} \cdot \frac{H_{\text{Col}}^2}{2}$$
$$M_{y\_Total\_Str1\_A} = 4635.6 \text{ kip}\cdot\text{ft}$$

#### **Case B**

Design Axial Load on column due to Strength I Case B loading

$$P_{\text{Str1\_B}} = 1651.7 \text{ kip}$$

First order Design Moment on the column about the x-axis due to Strength I Case B loading

$$M_{x\_Total\_Str1\_B} = M_{x\_Str1\_B} + F_{y\_Str1\_B} \cdot H_{\text{Col}} + w_{y\_Str1} \cdot \frac{H_{\text{Col}}^2}{2}$$
$$M_{x\_Total\_Str1\_B} = 1271.1 \text{ kip}\cdot\text{ft}$$

First order Design Moment on the column about the y-axis due to Strength I Case B loading

$$M_{y\_Total\_Str1\_B} = M_{y\_Str1\_B} + F_{x\_Str1\_B} \cdot H_{\text{Col}} + w_{x\_Str1} \cdot \frac{H_{\text{Col}}^2}{2}$$
$$M_{y\_Total\_Str1\_B} = 6441.7 \text{ kip}\cdot\text{ft}$$

## Column Loads (Con't)

### Strength III

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

### **Case A**

Design Axial Load on column due to Strength III Case A loading

$$P_{\text{Str3\_A}} = \begin{pmatrix} 1779.8 \\ 1891.5 \\ 1891.5 \\ 1891.5 \\ 1891.5 \end{pmatrix} \text{ kip}$$

First order Design Moment on the column about the x-axis due to Strength III Case A loading

$$M_{x\_Total\_Str3\_A} = M_{x\_Str3\_A} + F_{y\_Str3\_A} \cdot H_{\text{Col}} + w_{y\_Str3} \cdot \frac{H_{\text{Col}}^2}{2}$$
$$M_{x\_Total\_Str3\_A} = \begin{pmatrix} 181.7 \\ 809.1 \\ 1422.3 \\ 1868.2 \\ 2205.5 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

First order Design Moment on the column about the y-axis due to Strength III Case A loading

$$M_{y\_Total\_Str3\_A} = M_{y\_Str3\_A} + F_{x\_Str3\_A} \cdot H_{\text{Col}} + w_{x\_Str3} \cdot \frac{H_{\text{Col}}^2}{2}$$
$$M_{y\_Total\_Str3\_A} = \begin{pmatrix} 4899.7 \\ 3406.8 \\ 3163.0 \\ 2549.2 \\ 1359.0 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## Column Loads (Con't)

### Strength III (Con't)

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

### **Case B**

Design Axial Load on column due to Strength III Case B loading

$$P_{\text{Str3\_B}} = \begin{pmatrix} 1212.2 \\ 1324.0 \\ 1324.0 \\ 1324.0 \\ 1324.0 \end{pmatrix} \text{ kip}$$

First order Design Moment on the column about the x-axis due to Strength III Case B loading

$$M_{x\_Total\_Str3\_B} = M_{x\_Str3\_B} + F_{y\_Str3\_B} \cdot H_{\text{Col}} + w_{y\_Str3} \cdot \frac{H_{\text{Col}}^2}{2}$$

$$M_{x\_Total\_Str3\_B} = \begin{pmatrix} 125.2 \\ 752.5 \\ 1365.8 \\ 1811.7 \\ 2149.0 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

First order Design Moment on the column about the y-axis due to Strength III Case B loading

$$M_{y\_Total\_Str3\_B} = M_{y\_Str3\_B} + F_{x\_Str3\_B} \cdot H_{\text{Col}} + w_{x\_Str3} \cdot \frac{H_{\text{Col}}^2}{2}$$

$$M_{y\_Total\_Str3\_B} = \begin{pmatrix} 4899.7 \\ 3406.8 \\ 3163.0 \\ 2549.2 \\ 1359.0 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## Column Loads (Con't)

### Strength V

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

### **Case A**

Design Axial Load on column due to Strength V Case A loading

$$P_{\text{Str5\_A}} = 2428.7 \text{ kip}$$

First order Design Moment on the column about the x-axis due to Strength V Case A loading

$$M_{x\_Total\_Str5\_A} = M_{x\_Str5\_A} + F_{y\_Str5\_A} \cdot H_{\text{Col}} + w_{y\_Str5} \cdot \frac{H_{\text{Col}}^2}{2}$$

$$M_{x\_Total\_Str5\_A} = \begin{pmatrix} 2060.2 \\ 2320.6 \\ 2576.9 \\ 2758.4 \\ 2895.3 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

First order Design Moment on the column about the y-axis due to Strength V Case A loading

$$M_{y\_Total\_Str5\_A} = M_{y\_Str5\_A} + F_{x\_Str5\_A} \cdot H_{\text{Col}} + w_{x\_Str5} \cdot \frac{H_{\text{Col}}^2}{2}$$

$$M_{y\_Total\_Str5\_A} = \begin{pmatrix} 5348.9 \\ 5144.4 \\ 5034.2 \\ 4750.6 \\ 4194.2 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## Column Loads (Con't)

### Strength V (Con't)

$$\text{For } \theta = \begin{pmatrix} 0 \\ 15 \\ 30 \\ 45 \\ 60 \end{pmatrix} \text{ deg:}$$

### **Case B**

Design Axial Load on column due to Strength V Case B loading

$$P_{\text{Str5\_B}} = 1576.8 \text{ kip}$$

First order Design Moment on the column about the x-axis due to Strength V Case B loading

$$M_{x\_Total\_Str5\_B} = M_{x\_Str5\_B} + F_{y\_Str5\_B} \cdot H_{\text{Col}} + w_{y\_Str5} \cdot \frac{H_{\text{Col}}^2}{2}$$
$$M_{x\_Total\_Str5\_B} = \begin{pmatrix} 1009.2 \\ 1269.5 \\ 1525.9 \\ 1707.4 \\ 1844.3 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

First order Design Moment on the column about the y-axis due to Strength V Case B loading

$$M_{y\_Total\_Str5\_B} = M_{y\_Str5\_B} + F_{x\_Str5\_B} \cdot H_{\text{Col}} + w_{x\_Str5} \cdot \frac{H_{\text{Col}}^2}{2}$$
$$M_{y\_Total\_Str5\_B} = \begin{pmatrix} 6742.2 \\ 6537.7 \\ 6427.5 \\ 6143.9 \\ 5587.5 \end{pmatrix} \text{ kip}\cdot\text{ft}$$

## SPColumn Preliminary Analysis

SPColumn is a column analysis program that checks concrete columns subject to biaxial bending and compression. SPColumn was previously named PCAColumn.

$$f_y = 60 \text{ ksi}$$

Yield Strength of Reinforcing Steel

$$f_c = 3.6 \text{ ksi}$$

28 Day Compressive Strength of Concrete  
(Contr. Spec. Item 421.4.A Table 5 ~ Class "C" Concrete)

$$w_c = 0.145 \text{ kcf}$$

Unit Weight of the Concrete for calculation  $E_c$

### Modulus of Elasticity of Concrete

$$E_c = 33000 \text{ ksi} \left( \frac{w_c}{\text{kcf}} \right)^{1.5} \sqrt{\frac{f_c}{\text{ksi}}} = 3457 \text{ ksi}$$

(AASHTO LRFD 5.4.2.4-1)

### Gross Area of Column Concrete

$$A_g = L_{\text{Col}} \cdot W_{\text{Col}} = 4608 \text{ in}^2$$

Gross Area of Column Concrete

## **Reinforcing Bar Sizes**

### Area of a Vertical Reinforcing Bar

$$A_{s\_No11} = 1.561 \text{ in}^2$$

Area of #11 Bar

### Diameter of the Vertical Reinforcing Bars

$$d_{b\_No11} = 1.41 \text{ in}$$

Diameter of #11 Bar

### Diameter of the Transverse Stirrups

$$d_{b\_No4} = 0.5 \text{ in}$$

Diameter of #4 Bar

## **Limits on Vertical Reinforcing**

### Maximum Area of Steel for Column

$$A_{s\_Max} = 0.08 A_g = 368.6 \text{ in}^2$$

(AASHTO LRFD 5.7.4.2-1)

### Minimum Area of Steel for Column

$$A_{s\_Min} = \text{Maximum of: } \begin{cases} 0.135 \frac{A_g \cdot f_c}{f_y} = 37.32 \text{ in}^2 & \text{(AASHTO LRFD 5.7.4.2-3)} \\ 0.01 A_g = 46.08 \text{ in}^2 & \text{(TxSP)} \end{cases}$$

$$A_{s\_Min} = 46.08 \text{ in}^2$$

### Minimum Number of #11 Bars Required

$$\text{NoBars}_{\text{Min}} = \frac{A_{s\_Min}}{A_{s\_No11}} = 29.5$$

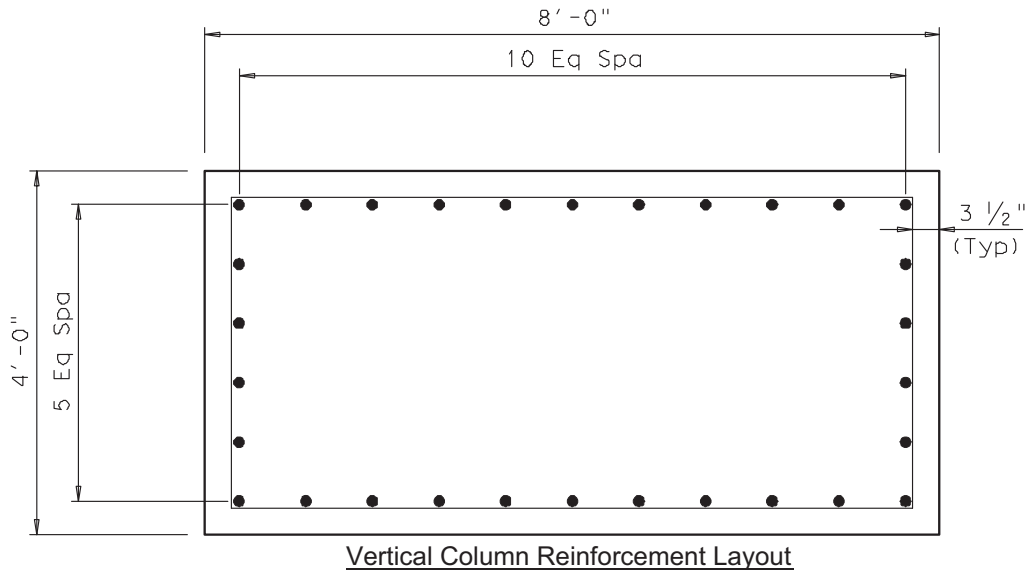
Try 30 ~ #11 Bars

### Maximum Number of #11 Bars Allowed

$$\text{NoBars}_{\text{Max}} = \frac{A_{s\_Max}}{A_{s\_No11}} = 236.2$$



## SPColumn Preliminary Analysis (Con't)



### Check Clear Concrete Cover to the Main Reinforcement

$$C_{vr} = 3.5\text{in} + \frac{d_{b\_No4}}{2} = 3.75\text{ in} > 3.0\text{ in} \quad \text{OK}$$

(AASHTO LRFD Table 5.12.3-1 ~ Cast against earth)

### Check Clear Concrete Cover to the Stirrups

$$c_c = 3.5\text{in} - \frac{d_{b\_No4}}{2} = 3.25\text{ in} > 2.5\text{ in} \quad \text{OK}$$

(AASHTO LRFD Table 5.12.3-1 ~ Cast against earth, less 0.5 in. for stirrup)

### Check Minimum Clear Distance Between Bars

#### Maximum Aggregate Size

$$\text{MaxAgg} = 2\text{in}$$

(Contr. Spec. Item 421.4.A Table 5 ~ Class "C" Concrete & Item 421.2.E.1 Table 3 ~ Grade No. 1)

#### Minimum Clear Distance between reinforcing bars

(AASHTO LRFD 5.10.3.1.1)

$$\text{ClrDist}_{\text{Min}} = \text{Maximum of: } \begin{cases} 1.5\text{ in} \\ 1.5 d_{b\_No11} = 2.12\text{ in} \\ 1.5 \text{ MaxAgg} = 3.00\text{ in} \end{cases}$$

$$\text{ClrDist}_{\text{Min}} = 3.00\text{ in}$$

#### Actual Clear Distance between reinforcing bars along the length of the column

$$\text{ClrDist}_L = \frac{(L_{\text{Col}} - 2 C_{vr} - d_{b\_No11})}{10} - d_{b\_No11} = 7.30\text{ in} > 3.0\text{ in} \quad \text{OK}$$

#### Actual Clear Distance between reinforcing bars along the width of the column

$$\text{ClrDist}_H = \frac{(W_{\text{Col}} - 2 C_{vr} - d_{b\_No11})}{5} - d_{b\_No11} = 6.41\text{ in} > 3.0\text{ in} \quad \text{OK}$$

From the results of the Preliminary SPColumn analysis, the lowest design fraction ( $\phi M_n / M_u$ ) for the preliminary design is 1.730. This is the Strength V loading with Case A and wind at 45 degrees. This will be an adequate design assuming the second order effects do not increase the load more than 73%. The SPColumn preliminary analysis output file can be found in the appendices.

For Single Column Bents, it is especially important to take into account the second order ( $P-\Delta$ ) effects on the column. BmCol51 is a good tool to use to get the second order effects. We will analyze the second order effects in the x-axis and y-axis independently. (TxSP)

## **BMCOL51 Models**

### **Calculate Stiffness of Column and Foundation**

Column Moment of Inertia about the x-axis

$$I_{x\_Col} = \frac{L_{Col} \cdot W_{Col}^3}{12} = 8.85 \times 10^5 \text{ in}^4$$

Column Moment of Inertia about the y-axis

$$I_{y\_Col} = \frac{W_{Col} \cdot L_{Col}^3}{12} = 3.54 \times 10^6 \text{ in}^4$$

Moment of Inertia of Foundation about the x-axis

$$I_{x\_DS} = 2 \frac{\pi D_{DS}^4}{64} = 1.27 \times 10^6 \text{ in}^4$$

*Two Drilled Shafts*

Moment of Inertia of Foundation about the y-axis

$$I_{y\_DS} = 2 \frac{\pi D_{DS}^4}{64} + 2 A_{DS} \cdot \left( \frac{S_{DS}}{2} \right)^2 = 3.06 \times 10^7 \text{ in}^4$$

*Two Drilled Shafts spaced 12 ft apart*

Stiffness of Column about the x-axis

$$EI_{x\_Col} = E_c \cdot I_{x\_Col} = 2.124 \times 10^7 \text{ kip}\cdot\text{ft}^2$$

Stiffness of Column about the y-axis

$$EI_{y\_Col} = E_c \cdot I_{y\_Col} = 8.496 \times 10^7 \text{ kip}\cdot\text{ft}^2$$

Stiffness of Foundation about the x-axis

$$EI_{x\_DS} = E_c \cdot I_{x\_DS} = 3.055 \times 10^7 \text{ kip}\cdot\text{ft}^2$$

Stiffness of Foundation about the y-axis

$$EI_{y\_DS} = E_c \cdot I_{y\_DS} = 7.343 \times 10^8 \text{ kip}\cdot\text{ft}^2$$

## **BMCOL51 Models** (Con't)

### **Calculate Stiffness of Column and Foundation** (Con't)

#### Stiffness Reduction Factor

$$EI_{\text{Reduction}} = 2.5$$

(AASHTO LRFD Eq. 5.7.4.3-2)

#### Reduced Stiffness of Column about the x-axis

$$EI_{x\_Col\_Reduced} = \frac{EI_{x\_Col}}{EI_{\text{Reduction}}} = 8.496 \cdot 10^6 \text{ kip}\cdot\text{ft}^2$$

*Reduced stiffnesses are used in models where the deflection is not limited.*

#### Reduced Stiffness of Column about the y-axis

$$EI_{y\_Col\_Reduced} = \frac{EI_{y\_Col}}{EI_{\text{Reduction}}} = 3.399 \cdot 10^7 \text{ kip}\cdot\text{ft}^2$$

#### Reduced Stiffness of Foundation about the x-axis

$$EI_{x\_DS\_Reduced} = \frac{EI_{x\_DS}}{EI_{\text{Reduction}}} = 1.222 \cdot 10^7 \text{ kip}\cdot\text{ft}^2$$

#### Reduced Stiffness of Foundation about the y-axis

$$EI_{y\_DS\_Reduced} = \frac{EI_{y\_DS}}{EI_{\text{Reduction}}} = 2.937 \cdot 10^8 \text{ kip}\cdot\text{ft}^2$$

### **Calculate Maximum Deflection in the y-direction**

$$\text{UnitLength} = \text{Span1} + \text{Span2} + \text{Span3} = 300.00 \text{ ft}$$

*Unit Length*

$$T_{\text{Instal}} = 70 \text{ F}$$

*Joint Installation Temperature  
(Contr. Spec. Item 454.3)*

$$T_{\text{MinDesign}} = 10 \text{ F}$$

*Minimum Design Temperature  
(AASHTO LRFD Fig. 5.12.2.2-2)*

*This is the minimum temperature for the state excluding the Panhandle Region. For bridges in this region, use 0 deg F.*

$$\Delta T = T_{\text{Instal}} - T_{\text{MinDesign}} = 60 \text{ F}$$

*Design Temperature Range*

$$\alpha_T = 6 \times 10^{-6} \frac{\text{in}}{\text{in F}}$$

*Coefficient of Thermal Expansion  
(AASHTO LRFD 5.4.2.2)*

$$\Delta_{\text{Joint}} = 4 \text{ in}$$

*Maximum Joint Opening*

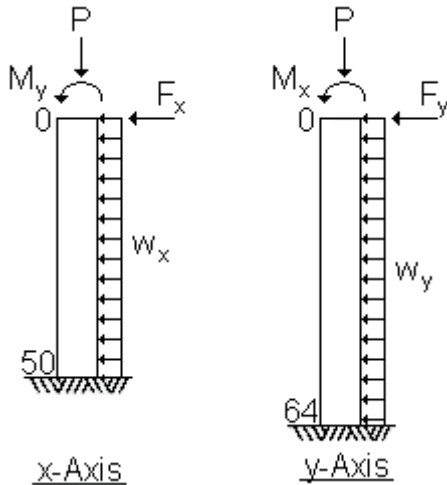
#### Maximum deflection allowed due to joint closure

$$\Delta_{\text{max}} = \Delta_{\text{Joint}} \cdot (2 \text{ joints} - 1 \text{ joint}) + \frac{1}{2} \text{UnitLength} \cdot \frac{12 \text{ in}}{1 \text{ ft}} \cdot \Delta T \cdot \alpha_T = 4.6 \text{ in}$$

$$\Delta_{\text{max}} = 0.387 \text{ ft}$$

*The maximum allowed deflection is determined by taking the total number of joints along the entire bridge length minus 1 plus the thermal contraction along half the unit of the critical bent for joint closure. (TxSP) There are two SEJ-A (4") joints on the bridge.*

## BMCOL51 Model 1



Loading for BMCOL51 Model 1

The point of fixity for the loads applied along the x-Axis is the top of the footing. This is because the foundation is significantly stiffer than the column, as there are two drilled shafts offset from the center line of the column.

The point of fixity for the loads applied along the y-Axis is below the bottom of the footing. This is because the foundation only moderately stiffer than the column, as the two drilled shafts are in line with the center line of the column. The point of fixity is as determined by a geotechnical engineer. The location of fixity can typically be taken as ten feet below the footing, unless the soils are poor.

Model 1: The top of the column is free to deflect. Reduced stiffnesses are used in both directions.

The Input Files and Output Files for BMCOL51 can be found in the appendix.

### Summary of Output for BMCOL51 Model 1

LRFD Specification Column Design Example

BMCOL51 Results - Top of column is free to deflect

6/14/2010

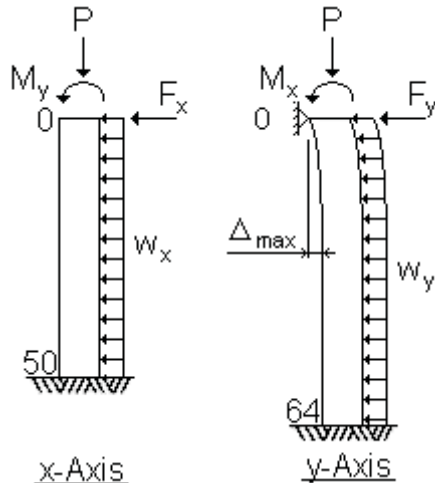
Strength	Case	Wind Skew	Strength w/ Impact					
			P (kip)	M <sub>x</sub> (k-ft)	Δ <sub>y</sub> (ft)	M <sub>y</sub> (k-ft)	Δ <sub>x</sub> (ft)	
I	A	-	2588	4808	0.888	4919	0.137	***Excessive Deflection
	B	-	1652	1799	0.336	6785	0.228	
III	A	0	1780	277	0.056	5084	0.144	
		15	1892	1198	0.216	3516	0.092	
		30	1892	2088	0.372	3261	0.085	
		45	1892	2736	0.484	2628	0.069	***Excessive Deflection
		60	1892	3229	0.570	1401	0.036	***Excessive Deflection
	B	0	1212	165	0.034	4999	0.142	
		15	1324	971	0.174	3462	0.090	
		30	1324	1753	0.310	3210	0.084	
		45	1324	2323	0.409	2588	0.067	***Excessive Deflection
		60	1324	2757	0.484	1380	0.036	***Excessive Deflection
V	A	0	2429	3609	0.668	5636	0.155	***Excessive Deflection
		15	2429	4046	0.745	5425	0.149	***Excessive Deflection
		30	2429	4479	0.822	5305	0.146	***Excessive Deflection
		45	2429	4784	0.876	5009	0.138	***Excessive Deflection
		60	2429	5014	0.916	4422	0.122	***Excessive Deflection
	B	0	1577	1406	0.263	7035	0.224	
		15	1577	1758	0.325	6830	0.218	
		30	1577	2107	0.387	6712	0.215	
		45	1577	2352	0.430	6423	0.207	***Excessive Deflection
		60	1577	2537	0.462	5851	0.192	***Excessive Deflection

Maximum Deflection = 0.916 ft                      0.228 ft  
 = 10.99 in    2.74 in

Deflections in the y-direction that are in excess of 0.387 ft are beyond the maximum movement possible for the bridge, therefore it is necessary to investigate the behavior of the column with the movement at the top restricted to the maximum deflection in this direction for these load cases. (TxSP)

The moment used for design need not exceed the moment calculated using non-reduced stiffnesses with the deflection of the top of the column fixed at the maximum deflection. (See Model 2)

## BMCOL51 Model 2



Loading for BMCOL51 Model 2

Model 2: The top of the column has a fixed deflection of 0.387ft. Reduced stiffnesses are used for loads applied along the x-direction (about the y-axis). Non-reduced stiffnesses are used for loads applied along the y-direction (about the x-axis). The non-reduced stiffnesses are used because the deflection at the top of the column is limited in this direction.

The Input Files and Output Files for BMCOL51 can be found in the appendix.

### Summary of Output for BMCOL51 Model 2

LRFD Specification Column Design Example

BMCOL51 Results - Top of column is fixed at the maximum deflection

6/14/2010

Strength	Case	Wind Skew	Strength w/ Impact				
			P (kip)	M <sub>x</sub> (k-ft)	Δ <sub>y</sub> (ft)	M <sub>y</sub> (k-ft)	Δ <sub>x</sub> (ft)
I	A	-	2588	1949	0.387	4919	0.137
	B	-	1652	2093	0.387	6785	0.228
III	A	0	1780	2177	0.387	5084	0.144
		15	1892	2176	0.387	3516	0.092
		30	1892	2176	0.387	3261	0.085
		45	1892	2178	0.387	2628	0.069
		60	1892	2180	0.387	1401	0.036
	B	0	1212	2197	0.387	4999	0.142
		15	1324	2197	0.387	3462	0.090
		30	1324	2197	0.387	3210	0.084
		45	1324	2199	0.387	2588	0.067
		60	1324	2201	0.387	1380	0.036
V	A	0	2429	2002	0.387	5636	0.155
		15	2429	1998	0.387	5425	0.149
		30	2429	1993	0.387	5305	0.146
		45	2429	1991	0.387	5009	0.138
		60	2429	1989	0.387	4422	0.122
	B	0	1577	2116	0.387	7035	0.224
		15	1577	2112	0.387	6830	0.218
		30	1577	2108	0.387	6712	0.215
		45	1577	2106	0.387	6423	0.207
		60	1577	2104	0.387	5851	0.192

The moments generated from Model 2 are the upper limit design moments for the column. The minimum M<sub>x</sub> from Model 1 and Model 2 will be used for the final column design.

## SPColumn Second Order Analysis

### Summary of Column Loads from BMCOL

LRFD Specification Column Design Example

BMCOL51 Results - Top of column is free to deflect up to the maximum deflection, but not past

6/14/2010

Strength	Case	Wind Skew	Strength w/ Impact				BMCOL51 Model	
			P (kip)	M <sub>x</sub> (k-ft)	Δ <sub>y</sub> (ft)	M <sub>y</sub> (k-ft)		Δ <sub>x</sub> (ft)
I	A	-	2588	1949	0.387	4919	0.137	Model 2
	B	-	1652	1799	0.336	6785	0.228	Model 1
III	A	0	1780	277	0.056	5084	0.144	Model 1
		15	1892	1198	0.216	3516	0.092	Model 1
		30	1892	2088	0.372	3261	0.085	Model 1
		45	1892	2178	0.387	2628	0.069	Model 2
		60	1892	2180	0.387	1401	0.036	Model 2
	B	0	1212	165	0.034	4999	0.142	Model 1
		15	1324	971	0.174	3462	0.090	Model 1
		30	1324	1753	0.310	3210	0.084	Model 1
		45	1324	2199	0.387	2588	0.067	Model 2
		60	1324	2201	0.387	1380	0.036	Model 2
V	A	0	2429	2002	0.387	5636	0.155	Model 2
		15	2429	1998	0.387	5425	0.149	Model 2
		30	2429	1993	0.387	5305	0.146	Model 2
		45	2429	1991	0.387	5009	0.138	Model 2
		60	2429	1989	0.387	4422	0.122	Model 2
	B	0	1577	1406	0.263	7035	0.224	Model 1
		15	1577	1758	0.325	6830	0.218	Model 1
		30	1577	2107	0.387	6712	0.215	Model 1
		45	1577	2106	0.387	6423	0.207	Model 2
		60	1577	2104	0.387	5851	0.192	Model 2

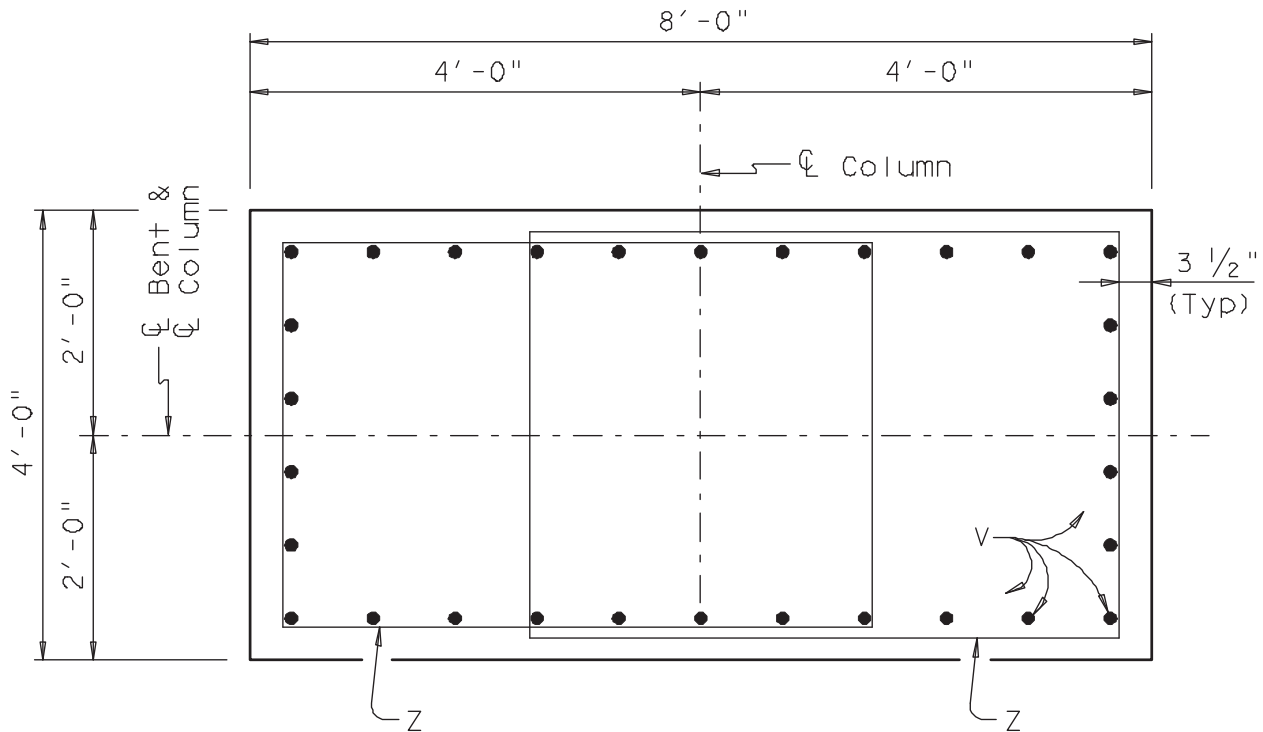
The above table is the combination of the results for the two BMCOL51 models. The Second Order SPColumn analysis checks the capacity of the column to resist these loads.

From the results of the Second Order SPColumn analysis, the lowest design fraction ( $\phi M_n / M_u$ ) for the final design is 1.590. This is the Strength V loading with Case B and wind at 30 degrees. The design is adequate. The SPColumn second order analysis output file can be found in the appendices.

## Column Section

TxDOT practice does not require shear to be checked. Shear capacity is typically much greater than required, so shear does not govern design.

AASHTO LRFD 5.10.6.3 pertains to *Transverse Reinforcement Ties*. Stirrups must be size No. 4, spacing of ties shall not exceed 12 inches or the least dimension of the compression member, and no longitudinal bar shall be more than 2 feet, measured along the tie, from a laterally supported restrained bar (corner of a tie with angle no more than 135 degrees.) This means there should be a tie leg every 4 feet.



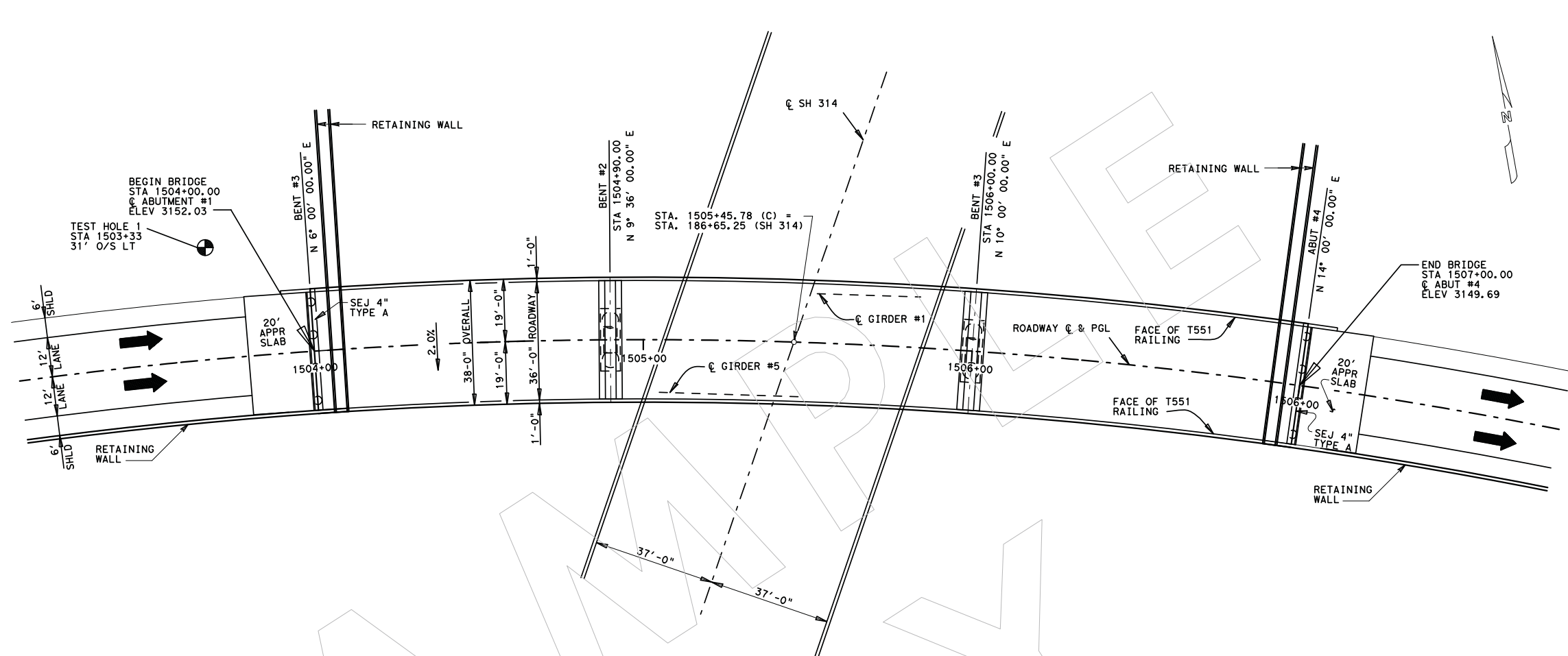
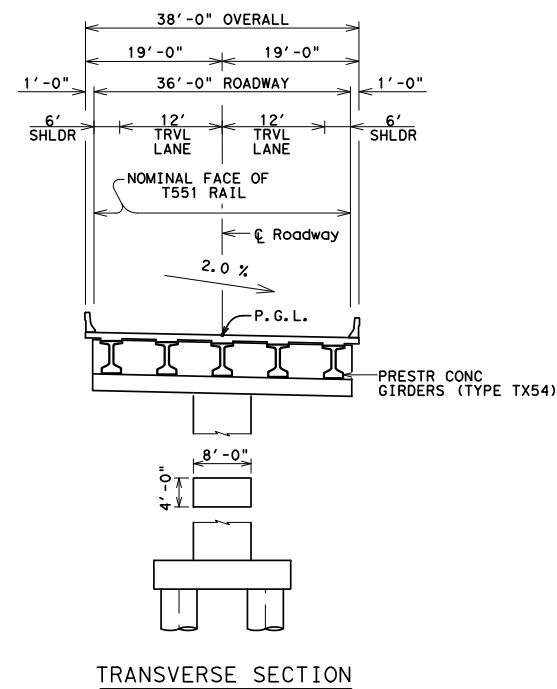
Final Column Section

See the Column Details Sheet in the Appendices for the column design based on these calculations.

# Appendices

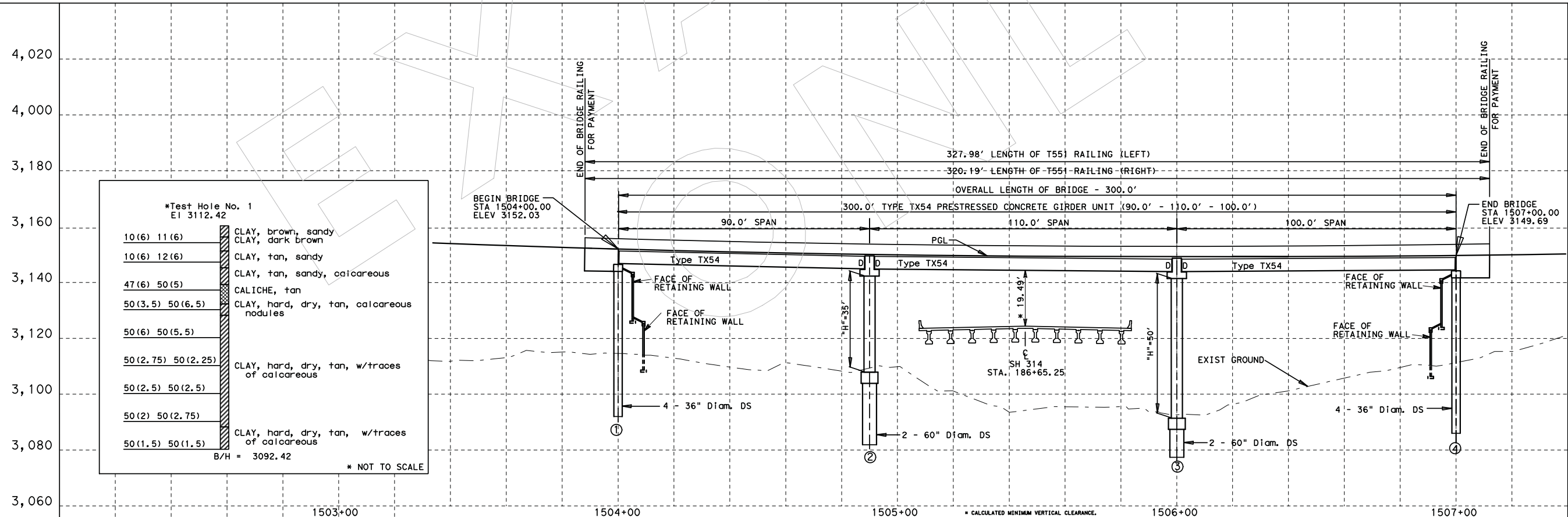
Bridge Layout	pg 49
Interior Bent Details Sheet	pg 50
SPColumn Preliminary Analysis Output File	pg 52
BMCOL Model 1	pg 56
Strength I Input File	pg 57
Strength I Output File	pg 59
Strength III Input File	pg 106
Strength III Output File	pg 109
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BMCOL Model 2	pg 574
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Strength III Input File	pg 624
Strength III Output File	pg 628
Strength V Input File	pg 859
Strength V Output File	pg 863
SPColumn Second Order Analysis Output File	pg 1094
Column Details Sheet	pg 1098





**HORIZONTAL CURVE**

PI STATION	=	1505+52.57
DELTA	=	20° 0' 0.00" (Rt)
DEGREE	=	4° 0' 0.00"
TANGENT	=	252.57 ft
LENGTH	=	500.00 ft
RADIUS	=	1,432.39 ft
PC STATION	=	1503+00.00
PT STATION	=	1508+00.00
BACK BEARING	=	S 88° 0' 0.00" E
AHEAD BEARING	=	S 68° 0' 0.00" E



\*Test Hole No. 1  
EI 3112.42

10(6) 11(6)	CLAY, brown, sandy
	CLAY, dark brown
10(6) 12(6)	CLAY, tan, sandy
47(6) 50(5)	CLAY, tan, sandy, calcareous
50(3.5) 50(6.5)	CALICHE, tan
50(6) 50(5.5)	CLAY, hard, dry, tan, calcareous nodules
50(2.75) 50(2.25)	CLAY, hard, dry, tan, w/traces of calcareous
50(2.5) 50(2.5)	
50(2) 50(2.75)	
50(1.5) 50(1.5)	CLAY, hard, dry, tan, w/traces of calcareous

B/H = 3092.42  
\* NOT TO SCALE

**BRIDGE LAYOUT**  
**COLUMN DESIGN EXAMPLE**

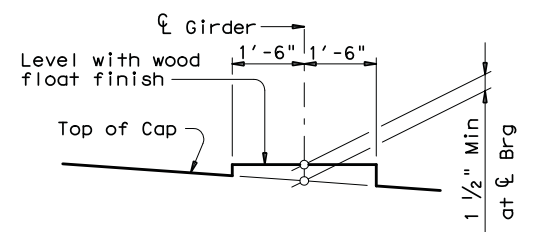
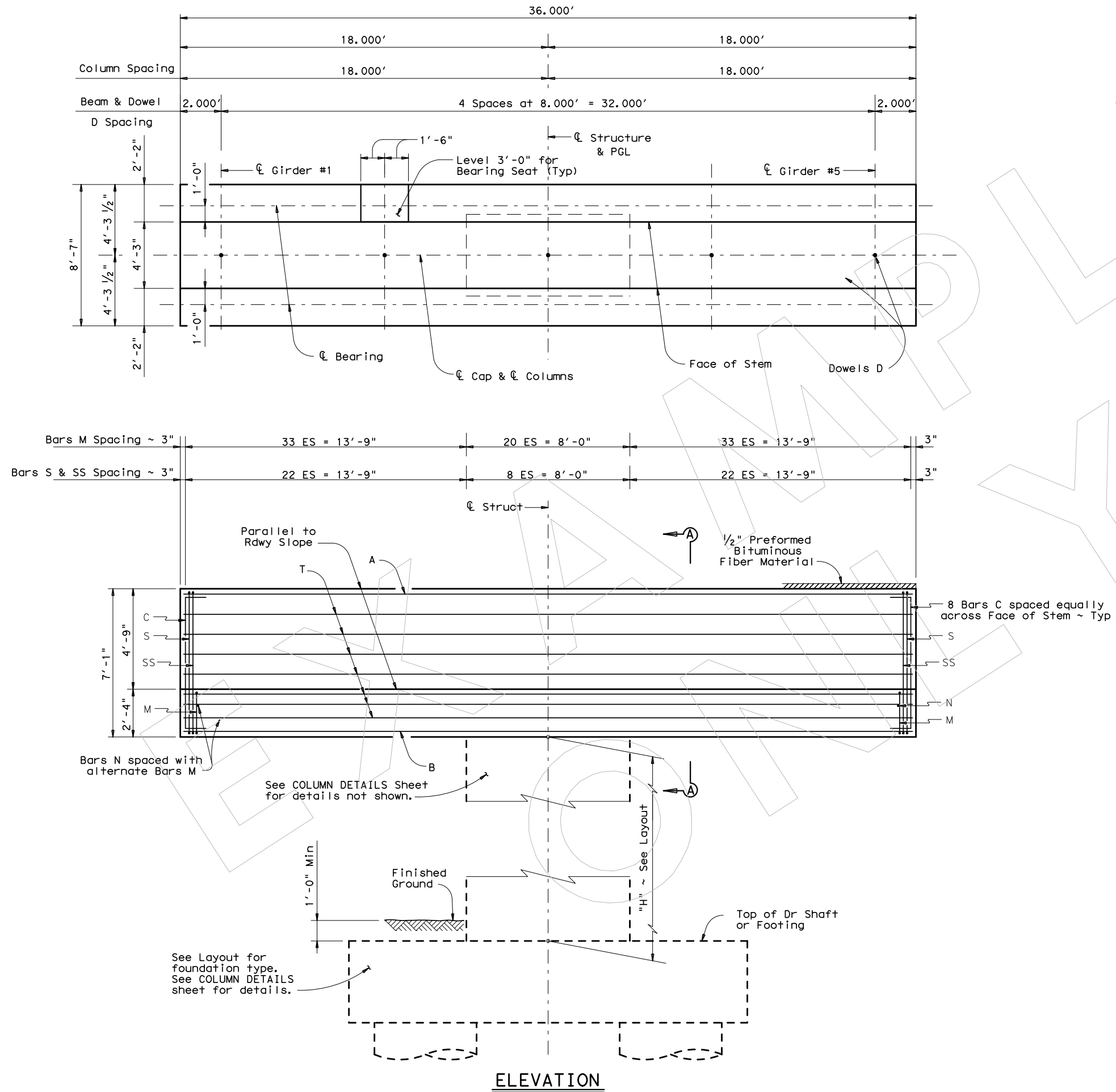
DESIGN SPEED: 60 MPH  
2002 ADT = 2350  
2022 ADT = 2550  
Functional Classification: Rural Minor Arterial

Scale:  
Horiz. 1"=40'  
Vert. 1"=40'

© 2010 Texas Department of Transportation			
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
STATE	STATE DIST. NO.	COUNTY	
CONT.	SECT.	JOB	HIGHWAY NO.

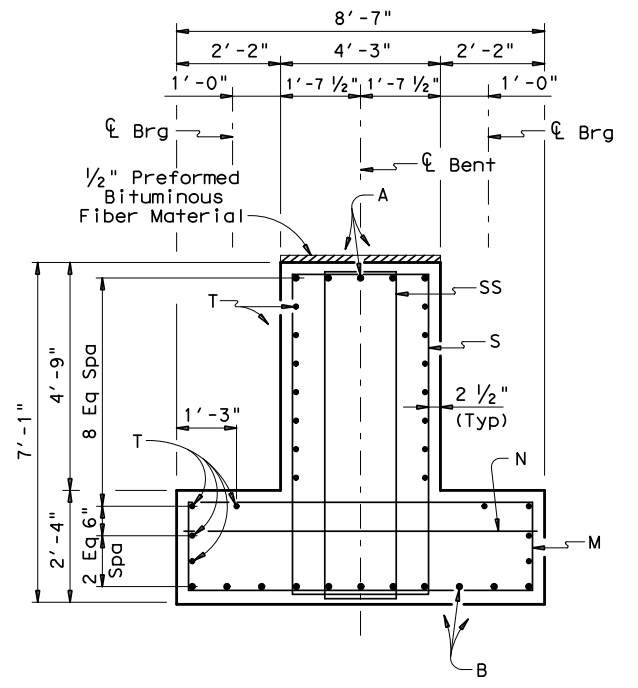
DISCLAIMER:  
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LEVELS DISPLAYED	ACC:
1	



**BEARING SEAT DETAIL**

(Bearing surface shall be clean and free of all loose material before placing bearing pad.)



**SECTION A-A**



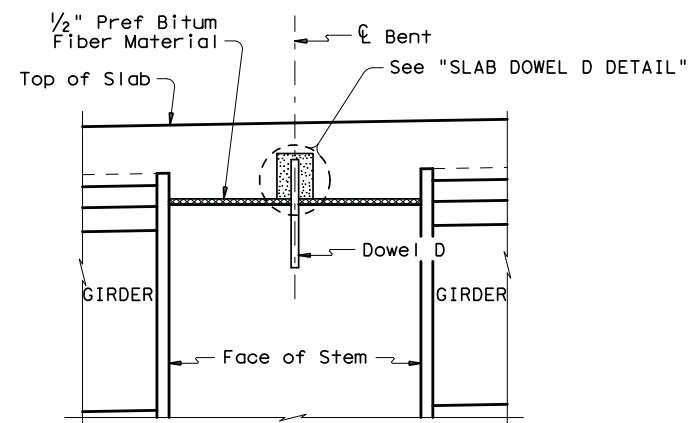
**INTERIOR BENT  
COLUMN  
DESIGN EXAMPLE**

FILE: XXXX1+01.dgn	DN: BRG	CK: BRG	DW: BRG	CK: BRG
© TxDOT June 2010	DISTRICT	FEDERAL AID PROJECT		SHEET
REVISIONS	ANY	XX XXXX (XXX)	XXX	XXX
	COUNTY	CONTROL	SECT	JOB
	ANY	XXXX	XX	XXX
			ANY	ANY

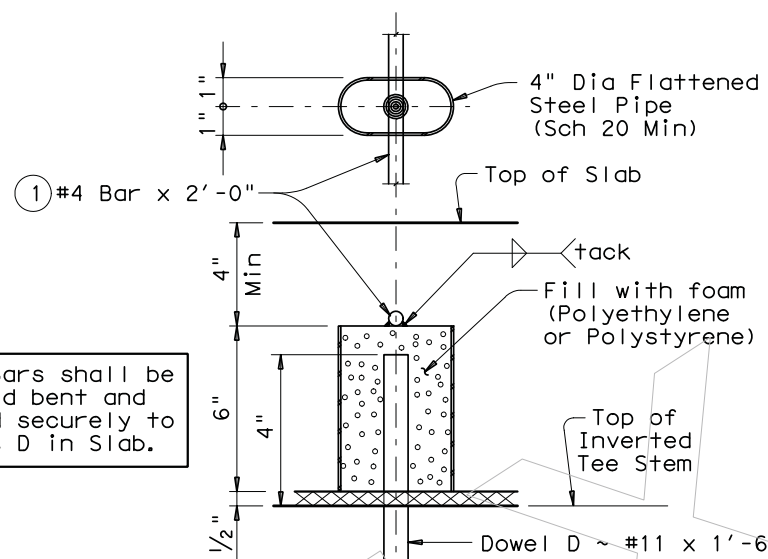
TABLES OF CONSTANT

QUANTITIES

Bar	No.	Size	Length	Weight
A	5	#11	35'-8"	947
B	9	#11	35'-8"	2084
C	16	#5	8'-7"	143
D	5	#11	1'-6"	40
M	87	#6	22'-2"	2897
N	44	#6	8'-3"	545
S	53	#6	23'-0"	1831
SS	53	#6	19'-4"	1539
T	22	#6	35'-8"	1179
Reinforcing Steel			Lb	11,205
Class "C" Concrete			CY	53.9

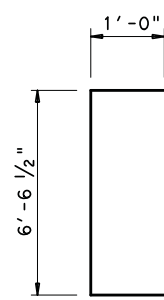


LONGITUDINAL SECT THRU SLAB AT INVERTED-TEE BENT

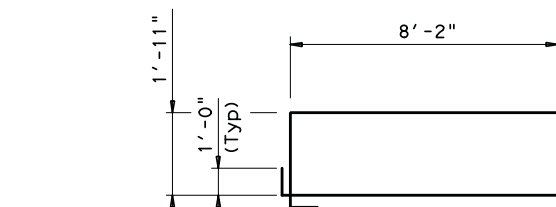


SLAB DOWEL D DETAIL

① #4 Bars shall be field bent and tied securely to Bars D in Slab.

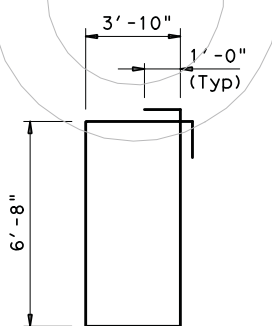


BARS C

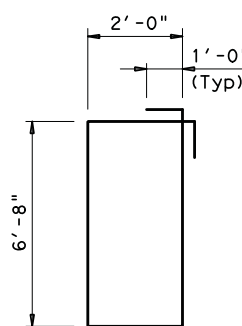


Lap shall be located at bottom of StIRRup. Alternate lap location.

BARS M



BARS S



BARS SS

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LEVELS DISPLAYED	ACC:
1	

SAMPLE

GENERAL NOTES:  
 Designed according to AASHTO LRFD Bridge Design Specifications, 5th Edition (2010).  
 Class "C" concrete strength  $f'_c = 3,600$  psi.  
 All Cap reinforcing shall be Grade 60.

HL-93 LOADING SHEET 2 OF 2

Texas Department of Transportation  
 Design Division (Bridge)

INTERIOR BENT  
 COLUMN  
 DESIGN EXAMPLE

FILE: XXXX1+01.dgn	DN: BRG	CK: BRG	DW: BRG	CK: BRG
© TxDOT June 2010	DISTRICT	FEDERAL AID PROJECT		SHEET
REVISIONS	ANY	XX	XXXX (XXX)	XXX
	COUNTY	CONTROL	SECT	JOB
	ANY	XXXX	XX	XXX

## SPColumn Preliminary Analysis Output File

```

          oooooo          o
        oo   oo          oo
    ooooo  oooooo  oo   ooooo  oo   oo   oo   o oooooo  o ooooo
oo   o  oo   oo  oo   oo   oo  oo   oo   oo   oo   oo   oo   oo   oo
oo   oo   oo   oo  oo   oo   oo  oo   oo   oo   oo   oo   oo   oo   oo
  ooooo  oo   oo  oo   oo   oo  oo   oo   oo   oo   oo   oo   oo   oo
    oo   oo  oooooo  oo   oo   oo  oo   oo   oo   oo   oo   oo   oo   oo
o   oo  oo   oo   oo   oo  oo   oo  oo  o  oo   oo   oo   oo   oo   oo
ooooo  oo   oooooo  ooooo  ooo  ooooo o  oo   oo   oo   oo   oo   (TM)

```

```

=====
                          spColumn v4.20 (TM)
Computer program for the Strength Design of Reinforced Concrete Sections
Copyright © 1988-2009, STRUCTUREPOINT, LLC.
                          All rights reserved
=====

```

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General Information:

```

=====
File Name: u:\LRFD Implementation\Column Design Example\Rev 6_2010\PCACol\Prelim.col
Project: LRFD Column Design Example
Column: Bent 3 (50ft) Engineer: BRG
Code: ACI 318-02 Units: English

Run Option: Investigation Slenderness: Not considered
Run Axis: Biaxial Column Type: Structural
    
```

Material Properties:

```

=====
f'c = 3.6 ksi fy = 60 ksi
Ec = 3457 ksi Es = 29000 ksi
Ultimate strain = 0.003 in/in
Beta1 = 0.85
    
```

Section:

```

=====
Rectangular: Width = 96 in Depth = 48 in

Gross section area, Ag = 4608 in^2
Ix = 884736 in^4 Iy = 3.53894e+006 in^4
Xo = 0 in Yo = 0 in
    
```

Reinforcement:

```

=====
Bar Set: ASTM A615
Size Diam (in) Area (in^2) Size Diam (in) Area (in^2) Size Diam (in) Area (in^2)
# 3 0.38 0.11 # 4 0.50 0.20 # 5 0.63 0.31
# 6 0.75 0.44 # 7 0.88 0.60 # 8 1.00 0.79
# 9 1.13 1.00 # 10 1.27 1.27 # 11 1.41 1.56
# 14 1.69 2.25 # 18 2.26 4.00
    
```

Confinement: Tied; #3 ties with #10 bars, #4 with larger bars.  
 phi(a) = 0.8, phi(b) = 0.9, phi(c) = 0.65

Layout: Rectangular

Pattern: Sides Different (Cover to longitudinal reinforcement)  
 Total steel area: As = 46.80 in^2 at rho = 1.02%

	Top		Bottom		Left		Right	
Bars	11	#11	11	#11	4	#11	4	#11
Cover(in)	3.75		3.75		3.75		3.75	

Factored Loads and Moments with Corresponding Capacities:

```

=====
    
```

No.	Pu kip	Mux k-ft	Muy k-ft	fMnx k-ft	fMny k-ft	fMn/Mu	Phi	
1	2587.90	2616.80	4635.60	4707.32	8338.90	1.799	0.768	Str I, Case A
2	1651.70	1271.10	6441.70	2362.81	11974.30	1.859	0.900	Str I, Case B
3	1779.80	181.70	4899.70	497.44	13413.94	2.738	0.900	Str III, Case A, 0 deg
4	1891.50	809.10	3406.80	2832.70	11927.37	3.501	0.894	Str III, Case A, 15 deg
5	1891.50	1422.30	3163.00	4173.40	9281.07	2.934	0.837	Str III, Case A, 30 deg
6	1891.50	1868.20	2549.20	5244.15	7155.75	2.807	0.841	Str III, Case A, 45 deg
7	1891.50	2205.50	1359.00	6515.03	4014.48	2.954	0.900	Str III, Case A, 60 deg
8	1212.20	125.20	4899.70	310.95	12168.94	2.484	0.900	Str III, Case B, 0 deg
9	1324.00	752.50	3406.80	2466.51	11166.68	3.278	0.900	Str III, Case B, 15 deg
10	1324.00	1365.80	3163.00	3985.62	9230.13	2.918	0.900	Str III, Case B, 30 deg

11	1324.00	1811.70	2549.20	5042.83	7095.65	2.783	0.900	Str III, Case B, 45 deg
12	1324.00	2149.00	1359.00	5867.88	3710.77	2.731	0.900	Str III, Case B, 60 deg
13	2428.70	2060.20	5348.90	3859.90	10021.47	1.874	0.791	Str V, Case A, 0 deg
14	2428.70	2320.60	5144.40	4211.13	9335.39	1.815	0.782	Str V, Case A, 15 deg
15	2428.70	2576.90	5034.20	4492.00	8775.52	1.743	0.782	Str V, Case A, 30 deg
16	2428.70	2758.40	4750.60	4771.44	8217.52	1.730	0.783	Str V, Case A, 45 deg
17	2428.70	2895.30	4194.20	5150.35	7460.92	1.779	0.783	Str V, Case A, 60 deg
18	1576.80	1009.20	6742.20	1835.49	12262.41	1.819	0.900	Str V, Case B, 0 deg
19	1576.80	1269.50	6537.70	2304.79	11869.26	1.816	0.900	Str V, Case B, 15 deg
20	1576.80	1525.90	6427.50	2727.68	11489.73	1.788	0.900	Str V, Case B, 30 deg
21	1576.80	1707.40	6143.90	3069.00	11043.49	1.797	0.900	Str V, Case B, 45 deg
22	1576.80	1844.30	5587.50	3471.50	10517.28	1.882	0.893	Str V, Case B, 60 deg

\*\*\* End of output \*\*\*

# BMCOL Model 1



## BMCOL51 Model 1 - Strength I Input File

Any	Any	XXXX	XXXX-XX-XXX	Brg				(ft & kips)
Strength I	Load Cases w/	Impact ~	LRFD	Column Design	Example,	Bent 2		
1	Live Load Case A, Water Case 1 - about x-Axis							
				1	1	3	0	
64		1.0		0	0	0	1	
64	3	0.0	0.0					
0	0		31.1			1063.8		-2587.9
0	50	8.496E+06	0.000					-2587.9
50	64	1.222E+07	0.000					-2587.9
2	Live Load Case A, Water Case 1 - about y-Axis							
				1	1	2	0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		72.0			1036.3		-2587.9
0	50	3.398E+07	0.000					-2587.9
3	Live Load Case B, Water Case 1 - about x-Axis							
				1	1	3	0	
64		1.0		0	0	0	1	
64	3	0.0	0.0					
0	0		14.6			540.3	0	-1651.7
0	50	8.496E+06	0.000					-1651.7
50	64	1.222E+07	0.000					-1651.7
4	Live Load Case B, Water Case 1 - about y-Axis							
				1	1	2	0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		33.9			4747.9	0	-1651.7
0	50	3.398E+07	0.000					-1651.7

CEASE

## BMCOL51 Model 1 - Strength I Output File

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
1 Live Load Case A, Water Case 1 - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	3.110E+01	0.000E+00	1.064E+03	0.000E+00	-2.588E+03	
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.588E+03	
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.588E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength I Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
1        Live Load Case A, Water Case 1 - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	9.118E-01		0.000E+00		0.000E+00
0	0.000E+00	8.875E-01	-2.435E-02	5.319E+02	5.319E+02	0.000E+00
1	1.000E+00	8.632E-01	-2.423E-02	1.158E+03	5.630E+02	0.000E+00
2	2.000E+00	8.391E-01	-2.409E-02	1.251E+03	3.110E+01	0.000E+00
3	3.000E+00	8.152E-01	-2.394E-02	1.251E+03	3.110E+01	0.000E+00
4	4.000E+00	7.914E-01	-2.378E-02	1.344E+03	3.110E+01	0.000E+00
5	5.000E+00	7.678E-01	-2.361E-02	1.437E+03	3.110E+01	0.000E+00
6	6.000E+00	7.444E-01	-2.343E-02	1.529E+03	3.110E+01	0.000E+00
7	7.000E+00	7.211E-01	-2.324E-02	1.621E+03	3.110E+01	0.000E+00
8	8.000E+00	6.981E-01	-2.304E-02	1.712E+03	3.110E+01	0.000E+00
9	9.000E+00	6.753E-01	-2.283E-02	1.803E+03	3.110E+01	0.000E+00
10	1.000E+01	6.527E-01	-2.261E-02	1.893E+03	3.110E+01	0.000E+00
11	1.100E+01	6.303E-01	-2.237E-02	1.982E+03	3.110E+01	0.000E+00
12	1.200E+01	6.081E-01	-2.213E-02	2.071E+03	3.110E+01	0.000E+00
13	1.300E+01	5.863E-01	-2.188E-02	2.160E+03	3.110E+01	0.000E+00
14	1.400E+01	5.647E-01	-2.161E-02	2.248E+03	3.110E+01	0.000E+00
15	1.500E+01	5.433E-01	-2.134E-02	2.335E+03	3.110E+01	0.000E+00
16	1.600E+01	5.223E-01	-2.105E-02	2.421E+03	3.110E+01	0.000E+00
17	1.700E+01	5.015E-01	-2.076E-02	2.506E+03	3.110E+01	0.000E+00
18	1.800E+01	4.811E-01	-2.045E-02	2.591E+03	3.110E+01	0.000E+00
19	1.900E+01	4.609E-01	-2.014E-02	2.675E+03	3.110E+01	0.000E+00
20	2.000E+01	4.411E-01	-1.981E-02	2.759E+03	3.110E+01	0.000E+00
21	2.100E+01	4.216E-01	-1.948E-02	2.841E+03	3.110E+01	0.000E+00
				2.922E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	4.025E-01	-1.913E-02	3.003E+03	3.110E+01	0.000E+00
23	2.300E+01	3.837E-01	-1.878E-02	3.083E+03	3.110E+01	0.000E+00
24	2.400E+01	3.653E-01	-1.842E-02	3.161E+03	3.110E+01	0.000E+00
25	2.500E+01	3.473E-01	-1.805E-02	3.239E+03	3.110E+01	0.000E+00
26	2.600E+01	3.296E-01	-1.766E-02	3.316E+03	3.110E+01	0.000E+00
27	2.700E+01	3.123E-01	-1.727E-02	3.392E+03	3.110E+01	0.000E+00
28	2.800E+01	2.955E-01	-1.687E-02	3.467E+03	3.110E+01	0.000E+00
29	2.900E+01	2.790E-01	-1.647E-02	3.540E+03	3.110E+01	0.000E+00
30	3.000E+01	2.629E-01	-1.605E-02	3.613E+03	3.110E+01	0.000E+00
31	3.100E+01	2.473E-01	-1.562E-02	3.685E+03	3.110E+01	0.000E+00
32	3.200E+01	2.321E-01	-1.519E-02	3.755E+03	3.110E+01	0.000E+00
33	3.300E+01	2.174E-01	-1.475E-02	3.824E+03	3.110E+01	0.000E+00
34	3.400E+01	2.031E-01	-1.430E-02	3.892E+03	3.110E+01	0.000E+00
35	3.500E+01	1.892E-01	-1.384E-02	3.959E+03	3.110E+01	0.000E+00
36	3.600E+01	1.759E-01	-1.337E-02	4.025E+03	3.110E+01	0.000E+00
37	3.700E+01	1.630E-01	-1.290E-02	4.089E+03	3.110E+01	0.000E+00
38	3.800E+01	1.505E-01	-1.242E-02	4.153E+03	3.110E+01	0.000E+00
39	3.900E+01	1.386E-01	-1.193E-02	4.215E+03	3.110E+01	0.000E+00
40	4.000E+01	1.272E-01	-1.143E-02	4.275E+03	3.110E+01	0.000E+00
41	4.100E+01	1.162E-01	-1.093E-02	4.335E+03	3.110E+01	0.000E+00
42	4.200E+01	1.058E-01	-1.042E-02	4.393E+03	3.110E+01	0.000E+00
43	4.300E+01	9.592E-02	-9.904E-03	4.450E+03	3.110E+01	0.000E+00
44	4.400E+01	8.654E-02	-9.380E-03	4.505E+03	3.110E+01	0.000E+00
45	4.500E+01	7.769E-02	-8.850E-03	4.559E+03	3.110E+01	0.000E+00
46	4.600E+01	6.938E-02	-8.313E-03	4.612E+03	3.110E+01	0.000E+00
47	4.700E+01	6.160E-02	-7.771E-03	4.663E+03	3.110E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	5.438E-02	-7.222E-03	4.713E+03	3.110E+01	0.000E+00
49	4.900E+01	4.772E-02	-6.667E-03	4.761E+03	3.110E+01	0.000E+00
50	5.000E+01	4.161E-02	-6.107E-03	4.808E+03	3.110E+01	0.000E+00
51	5.100E+01	3.597E-02	-5.643E-03	4.853E+03	3.110E+01	0.000E+00
52	5.200E+01	3.072E-02	-5.245E-03	4.898E+03	3.110E+01	0.000E+00
53	5.300E+01	2.588E-02	-4.845E-03	4.942E+03	3.110E+01	0.000E+00
54	5.400E+01	2.144E-02	-4.440E-03	4.984E+03	3.110E+01	0.000E+00
55	5.500E+01	1.740E-02	-4.032E-03	5.026E+03	3.110E+01	0.000E+00
56	5.600E+01	1.378E-02	-3.621E-03	5.066E+03	3.110E+01	0.000E+00
57	5.700E+01	1.058E-02	-3.206E-03	5.106E+03	3.110E+01	0.000E+00
58	5.800E+01	7.788E-03	-2.789E-03	5.144E+03	3.110E+01	0.000E+00
59	5.900E+01	5.420E-03	-2.368E-03	5.181E+03	3.110E+01	0.000E+00
60	6.000E+01	3.477E-03	-1.944E-03	5.217E+03	3.110E+01	0.000E+00
61	6.100E+01	1.960E-03	-1.517E-03	5.252E+03	3.110E+01	0.000E+00
62	6.200E+01	8.732E-04	-1.087E-03	5.286E+03	3.110E+01	0.000E+00
63	6.300E+01	2.189E-04	-6.542E-04	5.319E+03	3.110E+01	0.000E+00
64	6.400E+01	0.000E+00	-2.189E-04	2.675E+03	-2.644E+03	-3.110E+01
65	6.500E+01	2.189E-04	2.189E-04	0.000E+00	-2.675E+03	0.000E+00

PROB (CONTD)

1 Live Load Case A, Water Case 1 - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	9.118E-01		0	9.118E-01		999	0.000E+00		999	0.000E+00		999
0	8.875E-01		0	8.875E-01		999	5.319E+02		999	5.319E+02		999
1	8.632E-01		0	8.632E-01		999	1.158E+03		999	1.158E+03		999
2	8.391E-01		999	8.391E-01		0	1.251E+03		999	1.251E+03		999
3	8.152E-01		999	8.152E-01		0	1.344E+03		999	1.344E+03		999
4	7.914E-01		999	7.914E-01		0	1.437E+03		999	1.437E+03		999
5	7.678E-01		0	7.678E-01		999	1.529E+03		999	1.529E+03		999
6	7.444E-01		999	7.444E-01		0	1.621E+03		999	1.621E+03		999
7	7.211E-01		0	7.211E-01		999	1.712E+03		999	1.712E+03		999
8	6.981E-01		999	6.981E-01		0	1.803E+03		999	1.803E+03		999
9	6.753E-01		0	6.753E-01		999	1.893E+03		999	1.893E+03		999
10	6.527E-01		999	6.527E-01		0	1.982E+03		999	1.982E+03		999
11	6.303E-01		999	6.303E-01		0	2.071E+03		999	2.071E+03		999
12	6.081E-01		0	6.081E-01		999	2.160E+03		999	2.160E+03		999
13	5.863E-01		0	5.863E-01		999	2.248E+03		999	2.248E+03		999
14	5.647E-01		0	5.647E-01		999	2.335E+03		999	2.335E+03		999
15	5.433E-01		0	5.433E-01		999	2.421E+03		999	2.421E+03		999
16	5.223E-01		0	5.223E-01		999	2.506E+03		999	2.506E+03		999
17	5.015E-01		999	5.015E-01		0	2.591E+03		999	2.591E+03		999
18	4.811E-01		0	4.811E-01		999	2.675E+03		999	2.675E+03		999
19	4.609E-01		0	4.609E-01		999	2.759E+03		999	2.759E+03		999
20	4.411E-01		999	4.411E-01		0	2.841E+03		999	2.841E+03		999
21	4.216E-01		0	4.216E-01		999	2.922E+03		999	2.922E+03		999
22	4.025E-01		0	4.025E-01		999	3.003E+03		999	3.003E+03		999
23	3.837E-01		999	3.837E-01		0	3.083E+03		999	3.083E+03		999
24	3.653E-01		999	3.653E-01		0	3.161E+03		999	3.161E+03		999
25	3.473E-01		0	3.473E-01		999	3.239E+03		999	3.239E+03		999
26	3.296E-01		0	3.296E-01		999	3.316E+03		999	3.316E+03		999
27	3.123E-01		999	3.123E-01		0	3.392E+03		999	3.392E+03		999
28	2.955E-01		999	2.955E-01		0	3.467E+03		999	3.467E+03		999
29	2.790E-01		999	2.790E-01		0	3.540E+03		999	3.540E+03		999
30	2.629E-01		999	2.629E-01		0	3.613E+03		999	3.613E+03		999
31	2.473E-01		0	2.473E-01		999	3.685E+03		999	3.685E+03		999
32	2.321E-01		999	2.321E-01		0	3.755E+03		999	3.755E+03		999
33	2.174E-01		999	2.174E-01		0	3.824E+03		999	3.824E+03		999
34	2.031E-01		999	2.031E-01		0	3.892E+03		999	3.892E+03		999
35	1.892E-01		999	1.892E-01		0	3.959E+03		999	3.959E+03		999
36	1.759E-01		0	1.759E-01		999	4.025E+03		999	4.025E+03		999
37	1.630E-01		0	1.630E-01		999	4.089E+03		999	4.089E+03		999
38	1.505E-01		0	1.505E-01		999	4.153E+03		999	4.153E+03		999
39	1.386E-01		0	1.386E-01		999	4.215E+03		999	4.215E+03		999
40	1.272E-01		999	1.272E-01		0	4.275E+03		999	4.275E+03		999
41	1.162E-01		0	1.162E-01		999	4.335E+03		999	4.335E+03		999
42	1.058E-01		999	1.058E-01		0	4.393E+03		999	4.393E+03		999
43	9.592E-02		0	9.592E-02		999	4.450E+03		999	4.450E+03		999
44	8.654E-02		999	8.654E-02		0	4.505E+03		999	4.505E+03		999
45	7.769E-02		0	7.769E-02		999	4.559E+03		999	4.559E+03		999
46	6.938E-02		0	6.938E-02		999	4.612E+03		999	4.612E+03		999



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.160E-02	999		6.160E-02	0		4.663E+03	999		4.663E+03	999	
48	5.438E-02	999		5.438E-02	0		4.713E+03	999		4.713E+03	999	
49	4.772E-02	999		4.772E-02	0		4.761E+03	999		4.761E+03	999	
50	4.161E-02	999		4.161E-02	0		4.808E+03	999		4.808E+03	999	
51	3.597E-02	999		3.597E-02	0		4.853E+03	999		4.853E+03	999	
52	3.072E-02	0		3.072E-02	999		4.898E+03	999		4.898E+03	999	
53	2.588E-02	999		2.588E-02	0		4.942E+03	999		4.942E+03	999	
54	2.144E-02	0		2.144E-02	999		4.984E+03	999		4.984E+03	999	
55	1.740E-02	999		1.740E-02	0		5.026E+03	999		5.026E+03	999	
56	1.378E-02	999		1.378E-02	0		5.066E+03	999		5.066E+03	999	
57	1.058E-02	999		1.058E-02	0		5.106E+03	999		5.106E+03	999	
58	7.788E-03	999		7.788E-03	0		5.144E+03	999		5.144E+03	999	
59	5.420E-03	999		5.420E-03	0		5.181E+03	999		5.181E+03	999	
60	3.477E-03	999		3.477E-03	0		5.217E+03	999		5.217E+03	999	
61	1.960E-03	0		1.960E-03	999		5.252E+03	999		5.252E+03	999	
62	8.732E-04	0		8.732E-04	999		5.286E+03	999		5.286E+03	999	
63	2.189E-04	999		2.189E-04	0		5.319E+03	999		5.319E+03	999	
64	0.000E+00	999		0.000E+00	999		2.675E+03	999		2.675E+03	999	
65	2.189E-04	999		2.189E-04	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.319E+02 999	5.319E+02 999	0.000E+00 999	0.000E+00 999
0	5.630E+02 999	5.630E+02 999	0.000E+00 999	0.000E+00 999
1	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
2	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
3	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
4	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
5	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
6	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
7	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
8	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
9	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
10	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
11	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
12	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
13	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
14	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
15	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
16	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
17	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
18	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
19	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
20	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
21	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
22	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
23	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
24	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
25	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
27	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
28	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
29	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
30	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
31	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
32	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
33	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
34	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
35	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
36	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
37	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
38	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
39	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
40	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
41	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
42	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
43	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
44	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
45	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
46	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
47	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
48	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
49	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
50	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
51	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
53	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
54	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
55	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
56	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
57	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
58	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
59	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
60	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
61	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
62	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
63	3.110E+01 999	3.110E+01 999	0.000E+00 999	0.000E+00 999
64	-2.644E+03 999	-2.644E+03 999	-3.110E+01 999	-3.110E+01 999
65	-2.675E+03 999	-2.675E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
2 Live Load Case A, Water Case 1 - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	7.200E+01	0.000E+00	1.036E+03	0.000E+00	-2.588E+03	
0	50	0	3.398E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.588E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
 Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength I Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 2        Live Load Case A, Water Case 1 - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.415E-01		0.000E+00		0.000E+00
0	0.000E+00	1.370E-01	-4.521E-03	5.182E+02	5.182E+02	0.000E+00
1	1.000E+00	1.325E-01	-4.491E-03	1.120E+03	5.902E+02	0.000E+00
2	2.000E+00	1.280E-01	-4.458E-03	1.203E+03	7.200E+01	0.000E+00
3	3.000E+00	1.236E-01	-4.422E-03	1.287E+03	7.200E+01	0.000E+00
4	4.000E+00	1.192E-01	-4.385E-03	1.370E+03	7.200E+01	0.000E+00
5	5.000E+00	1.149E-01	-4.344E-03	1.453E+03	7.200E+01	0.000E+00
6	6.000E+00	1.106E-01	-4.301E-03	1.537E+03	7.200E+01	0.000E+00
7	7.000E+00	1.063E-01	-4.256E-03	1.620E+03	7.200E+01	0.000E+00
8	8.000E+00	1.021E-01	-4.209E-03	1.703E+03	7.200E+01	0.000E+00
9	9.000E+00	9.797E-02	-4.158E-03	1.785E+03	7.200E+01	0.000E+00
10	1.000E+01	9.386E-02	-4.106E-03	1.868E+03	7.200E+01	0.000E+00
11	1.100E+01	8.981E-02	-4.051E-03	1.950E+03	7.200E+01	0.000E+00
12	1.200E+01	8.582E-02	-3.994E-03	2.033E+03	7.200E+01	0.000E+00
13	1.300E+01	8.188E-02	-3.934E-03	2.115E+03	7.200E+01	0.000E+00
14	1.400E+01	7.801E-02	-3.871E-03	2.197E+03	7.200E+01	0.000E+00
15	1.500E+01	7.421E-02	-3.807E-03	2.279E+03	7.200E+01	0.000E+00
16	1.600E+01	7.047E-02	-3.740E-03	2.360E+03	7.200E+01	0.000E+00
17	1.700E+01	6.680E-02	-3.670E-03	2.442E+03	7.200E+01	0.000E+00
18	1.800E+01	6.320E-02	-3.598E-03	2.523E+03	7.200E+01	0.000E+00
19	1.900E+01	5.967E-02	-3.524E-03	2.604E+03	7.200E+01	0.000E+00
20	2.000E+01	5.623E-02	-3.448E-03	2.685E+03	7.200E+01	0.000E+00
21	2.100E+01	5.286E-02	-3.368E-03	2.766E+03	7.200E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	4.957E-02	-3.287E-03	2.847E+03	7.200E+01	0.000E+00
23	2.300E+01	4.637E-02	-3.203E-03	2.927E+03	7.200E+01	0.000E+00
24	2.400E+01	4.325E-02	-3.117E-03	3.007E+03	7.200E+01	0.000E+00
25	2.500E+01	4.022E-02	-3.029E-03	3.087E+03	7.200E+01	0.000E+00
26	2.600E+01	3.728E-02	-2.938E-03	3.166E+03	7.200E+01	0.000E+00
27	2.700E+01	3.444E-02	-2.845E-03	3.246E+03	7.200E+01	0.000E+00
28	2.800E+01	3.169E-02	-2.749E-03	3.325E+03	7.200E+01	0.000E+00
29	2.900E+01	2.904E-02	-2.651E-03	3.404E+03	7.200E+01	0.000E+00
30	3.000E+01	2.649E-02	-2.551E-03	3.482E+03	7.200E+01	0.000E+00
31	3.100E+01	2.404E-02	-2.449E-03	3.561E+03	7.200E+01	0.000E+00
32	3.200E+01	2.169E-02	-2.344E-03	3.639E+03	7.200E+01	0.000E+00
33	3.300E+01	1.946E-02	-2.237E-03	3.716E+03	7.200E+01	0.000E+00
34	3.400E+01	1.733E-02	-2.127E-03	3.794E+03	7.200E+01	0.000E+00
35	3.500E+01	1.531E-02	-2.016E-03	3.871E+03	7.200E+01	0.000E+00
36	3.600E+01	1.341E-02	-1.902E-03	3.948E+03	7.200E+01	0.000E+00
37	3.700E+01	1.163E-02	-1.786E-03	4.025E+03	7.200E+01	0.000E+00
38	3.800E+01	9.960E-03	-1.667E-03	4.101E+03	7.200E+01	0.000E+00
39	3.900E+01	8.413E-03	-1.547E-03	4.177E+03	7.200E+01	0.000E+00
40	4.000E+01	6.990E-03	-1.424E-03	4.253E+03	7.200E+01	0.000E+00
41	4.100E+01	5.691E-03	-1.298E-03	4.328E+03	7.200E+01	0.000E+00
42	4.200E+01	4.520E-03	-1.171E-03	4.403E+03	7.200E+01	0.000E+00
43	4.300E+01	3.479E-03	-1.041E-03	4.478E+03	7.200E+01	0.000E+00
44	4.400E+01	2.569E-03	-9.097E-04	4.552E+03	7.200E+01	0.000E+00
45	4.500E+01	1.793E-03	-7.757E-04	4.626E+03	7.200E+01	0.000E+00
46	4.600E+01	1.154E-03	-6.396E-04	4.700E+03	7.200E+01	0.000E+00
47	4.700E+01	6.524E-04	-5.013E-04	4.773E+03	7.200E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.916E-04	-3.608E-04	4.846E+03	7.200E+01	0.000E+00
49	4.900E+01	7.344E-05	-2.182E-04	4.919E+03	7.200E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.344E-05	2.495E+03	-2.423E+03	-7.200E+01
51	5.100E+01	7.344E-05	7.344E-05	0.000E+00	-2.495E+03	0.000E+00

PROB (CONTD)

2 Live Load Case A, Water Case 1 - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.415E-01		0	1.415E-01		999	0.000E+00		999	0.000E+00		999
0	1.370E-01		999	1.370E-01		0	5.182E+02		999	5.182E+02		999
1	1.325E-01		999	1.325E-01		0	1.120E+03		999	1.120E+03		999
2	1.280E-01		0	1.280E-01		999	1.203E+03		999	1.203E+03		999
3	1.236E-01		0	1.236E-01		999	1.287E+03		999	1.287E+03		999
4	1.192E-01		999	1.192E-01		0	1.370E+03		999	1.370E+03		999
5	1.149E-01		0	1.149E-01		999	1.453E+03		999	1.453E+03		999
6	1.106E-01		0	1.106E-01		999	1.537E+03		999	1.537E+03		999
7	1.063E-01		0	1.063E-01		999	1.620E+03		999	1.620E+03		999
8	1.021E-01		0	1.021E-01		999	1.703E+03		999	1.703E+03		999
9	9.797E-02		999	9.797E-02		0	1.785E+03		999	1.785E+03		999
10	9.386E-02		0	9.386E-02		999	1.868E+03		999	1.868E+03		999
11	8.981E-02		999	8.981E-02		0	1.950E+03		999	1.950E+03		999
12	8.582E-02		999	8.582E-02		0	2.033E+03		999	2.033E+03		999
13	8.188E-02		0	8.188E-02		999	2.115E+03		999	2.115E+03		999
14	7.801E-02		0	7.801E-02		999	2.197E+03		999	2.197E+03		999
15	7.421E-02		0	7.421E-02		999	2.279E+03		999	2.279E+03		999
16	7.047E-02		999	7.047E-02		0	2.360E+03		999	2.360E+03		999
17	6.680E-02		0	6.680E-02		999	2.442E+03		999	2.442E+03		999
18	6.320E-02		0	6.320E-02		999	2.523E+03		999	2.523E+03		999
19	5.967E-02		999	5.967E-02		0	2.604E+03		999	2.604E+03		999
20	5.623E-02		0	5.623E-02		999	2.685E+03		999	2.685E+03		999
21	5.286E-02		0	5.286E-02		999	2.766E+03		999	2.766E+03		999
22	4.957E-02		0	4.957E-02		999	2.847E+03		999	2.847E+03		999
23	4.637E-02		0	4.637E-02		999	2.927E+03		999	2.927E+03		999
24	4.325E-02		999	4.325E-02		0	3.007E+03		999	3.007E+03		999
25	4.022E-02		0	4.022E-02		999	3.087E+03		999	3.087E+03		999
26	3.728E-02		0	3.728E-02		999	3.166E+03		999	3.166E+03		999
27	3.444E-02		999	3.444E-02		0	3.246E+03		999	3.246E+03		999
28	3.169E-02		0	3.169E-02		999	3.325E+03		999	3.325E+03		999
29	2.904E-02		0	2.904E-02		999	3.404E+03		999	3.404E+03		999
30	2.649E-02		999	2.649E-02		0	3.482E+03		999	3.482E+03		999
31	2.404E-02		0	2.404E-02		999	3.561E+03		999	3.561E+03		999
32	2.169E-02		999	2.169E-02		0	3.639E+03		999	3.639E+03		999
33	1.946E-02		999	1.946E-02		0	3.716E+03		999	3.716E+03		999
34	1.733E-02		0	1.733E-02		999	3.794E+03		999	3.794E+03		999
35	1.531E-02		999	1.531E-02		0	3.871E+03		999	3.871E+03		999
36	1.341E-02		0	1.341E-02		999	3.948E+03		999	3.948E+03		999
37	1.163E-02		0	1.163E-02		999	4.025E+03		999	4.025E+03		999
38	9.960E-03		999	9.960E-03		0	4.101E+03		999	4.101E+03		999
39	8.413E-03		0	8.413E-03		999	4.177E+03		999	4.177E+03		999
40	6.990E-03		999	6.990E-03		0	4.253E+03		999	4.253E+03		999
41	5.691E-03		999	5.691E-03		0	4.328E+03		999	4.328E+03		999
42	4.520E-03		999	4.520E-03		0	4.403E+03		999	4.403E+03		999
43	3.479E-03		999	3.479E-03		0	4.478E+03		999	4.478E+03		999
44	2.569E-03		0	2.569E-03		999	4.552E+03		999	4.552E+03		999
45	1.793E-03		999	1.793E-03		0	4.626E+03		999	4.626E+03		999
46	1.154E-03		999	1.154E-03		0	4.700E+03		999	4.700E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.524E-04	999		6.524E-04	0		4.773E+03	999		4.773E+03	999	
48	2.916E-04	999		2.916E-04	0		4.846E+03	999		4.846E+03	999	
49	7.344E-05	999		7.344E-05	0		4.919E+03	999		4.919E+03	999	
50	0.000E+00	999		0.000E+00	999		2.495E+03	999		2.495E+03	999	
51	7.344E-05	999		7.344E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.182E+02 999	5.182E+02 999	0.000E+00 999	0.000E+00 999
0	5.902E+02 999	5.902E+02 999	0.000E+00 999	0.000E+00 999
1	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
2	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
3	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
4	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
5	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
6	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
7	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
8	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
9	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
10	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
11	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
12	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
13	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
14	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
15	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
16	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
17	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
18	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
19	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
20	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
21	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
22	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
23	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
24	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
25	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
27	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
28	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
29	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
30	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
31	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
32	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
33	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
34	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
35	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
36	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
37	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
38	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
39	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
40	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
41	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
42	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
43	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
44	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
45	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
46	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
47	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
48	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
49	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
50	-2.423E+03 999	-2.423E+03 999	-7.200E+01 999	-7.200E+01 999
51	-2.495E+03 999	-2.495E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
3 Live Load Case B, Water Case 1 - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.460E+01	0.000E+00	5.403E+02	0.000E+00	-1.652E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.652E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.652E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength I Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
3                    Live Load Case B, Water Case 1 - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.453E-01		0.000E+00		0.000E+00
0	0.000E+00	3.359E-01	-9.401E-03	2.701E+02	2.701E+02	0.000E+00
1	1.000E+00	3.265E-01	-9.337E-03	5.703E+02	2.848E+02	0.000E+00
2	2.000E+00	3.173E-01	-9.270E-03	6.002E+02	1.460E+01	0.000E+00
3	3.000E+00	3.081E-01	-9.199E-03	6.300E+02	1.460E+01	0.000E+00
4	4.000E+00	2.989E-01	-9.125E-03	6.597E+02	1.460E+01	0.000E+00
5	5.000E+00	2.899E-01	-9.048E-03	6.892E+02	1.460E+01	0.000E+00
6	6.000E+00	2.809E-01	-8.967E-03	7.187E+02	1.460E+01	0.000E+00
7	7.000E+00	2.720E-01	-8.882E-03	7.479E+02	1.460E+01	0.000E+00
8	8.000E+00	2.633E-01	-8.794E-03	7.771E+02	1.460E+01	0.000E+00
9	9.000E+00	2.545E-01	-8.702E-03	8.060E+02	1.460E+01	0.000E+00
10	1.000E+01	2.459E-01	-8.608E-03	8.348E+02	1.460E+01	0.000E+00
11	1.100E+01	2.374E-01	-8.509E-03	8.635E+02	1.460E+01	0.000E+00
12	1.200E+01	2.290E-01	-8.408E-03	8.920E+02	1.460E+01	0.000E+00
13	1.300E+01	2.207E-01	-8.303E-03	9.203E+02	1.460E+01	0.000E+00
14	1.400E+01	2.125E-01	-8.194E-03	9.484E+02	1.460E+01	0.000E+00
15	1.500E+01	2.044E-01	-8.083E-03	9.764E+02	1.460E+01	0.000E+00
16	1.600E+01	1.965E-01	-7.968E-03	1.004E+03	1.460E+01	0.000E+00
17	1.700E+01	1.886E-01	-7.850E-03	1.032E+03	1.460E+01	0.000E+00
18	1.800E+01	1.809E-01	-7.728E-03	1.059E+03	1.460E+01	0.000E+00
19	1.900E+01	1.733E-01	-7.604E-03	1.086E+03	1.460E+01	0.000E+00
20	2.000E+01	1.658E-01	-7.476E-03	1.113E+03	1.460E+01	0.000E+00
21	2.100E+01	1.585E-01	-7.345E-03	1.140E+03	1.460E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.513E-01	-7.211E-03	1.166E+03	1.460E+01	0.000E+00
23	2.300E+01	1.442E-01	-7.073E-03	1.193E+03	1.460E+01	0.000E+00
24	2.400E+01	1.373E-01	-6.933E-03	1.219E+03	1.460E+01	0.000E+00
25	2.500E+01	1.305E-01	-6.789E-03	1.245E+03	1.460E+01	0.000E+00
26	2.600E+01	1.238E-01	-6.643E-03	1.270E+03	1.460E+01	0.000E+00
27	2.700E+01	1.173E-01	-6.493E-03	1.295E+03	1.460E+01	0.000E+00
28	2.800E+01	1.110E-01	-6.341E-03	1.321E+03	1.460E+01	0.000E+00
29	2.900E+01	1.048E-01	-6.185E-03	1.345E+03	1.460E+01	0.000E+00
30	3.000E+01	9.878E-02	-6.027E-03	1.370E+03	1.460E+01	0.000E+00
31	3.100E+01	9.291E-02	-5.866E-03	1.394E+03	1.460E+01	0.000E+00
32	3.200E+01	8.721E-02	-5.702E-03	1.418E+03	1.460E+01	0.000E+00
33	3.300E+01	8.168E-02	-5.535E-03	1.442E+03	1.460E+01	0.000E+00
34	3.400E+01	7.631E-02	-5.365E-03	1.465E+03	1.460E+01	0.000E+00
35	3.500E+01	7.112E-02	-5.193E-03	1.489E+03	1.460E+01	0.000E+00
36	3.600E+01	6.610E-02	-5.017E-03	1.511E+03	1.460E+01	0.000E+00
37	3.700E+01	6.126E-02	-4.840E-03	1.534E+03	1.460E+01	0.000E+00
38	3.800E+01	5.660E-02	-4.659E-03	1.556E+03	1.460E+01	0.000E+00
39	3.900E+01	5.213E-02	-4.476E-03	1.578E+03	1.460E+01	0.000E+00
40	4.000E+01	4.784E-02	-4.290E-03	1.600E+03	1.460E+01	0.000E+00
41	4.100E+01	4.373E-02	-4.102E-03	1.621E+03	1.460E+01	0.000E+00
42	4.200E+01	3.982E-02	-3.911E-03	1.642E+03	1.460E+01	0.000E+00
43	4.300E+01	3.611E-02	-3.718E-03	1.663E+03	1.460E+01	0.000E+00
44	4.400E+01	3.258E-02	-3.522E-03	1.684E+03	1.460E+01	0.000E+00
45	4.500E+01	2.926E-02	-3.324E-03	1.704E+03	1.460E+01	0.000E+00
46	4.600E+01	2.614E-02	-3.123E-03	1.723E+03	1.460E+01	0.000E+00
47	4.700E+01	2.322E-02	-2.920E-03	1.743E+03	1.460E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.050E-02	-2.715E-03	1.762E+03	1.460E+01	0.000E+00
49	4.900E+01	1.799E-02	-2.508E-03	1.781E+03	1.460E+01	0.000E+00
50	5.000E+01	1.570E-02	-2.298E-03	1.799E+03	1.460E+01	0.000E+00
51	5.100E+01	1.357E-02	-2.124E-03	1.817E+03	1.460E+01	0.000E+00
52	5.200E+01	1.160E-02	-1.976E-03	1.835E+03	1.460E+01	0.000E+00
53	5.300E+01	9.771E-03	-1.825E-03	1.853E+03	1.460E+01	0.000E+00
54	5.400E+01	8.098E-03	-1.674E-03	1.870E+03	1.460E+01	0.000E+00
55	5.500E+01	6.577E-03	-1.521E-03	1.887E+03	1.460E+01	0.000E+00
56	5.600E+01	5.210E-03	-1.366E-03	1.904E+03	1.460E+01	0.000E+00
57	5.700E+01	4.000E-03	-1.211E-03	1.921E+03	1.460E+01	0.000E+00
58	5.800E+01	2.946E-03	-1.053E-03	1.937E+03	1.460E+01	0.000E+00
59	5.900E+01	2.052E-03	-8.949E-04	1.953E+03	1.460E+01	0.000E+00
60	6.000E+01	1.316E-03	-7.351E-04	1.969E+03	1.460E+01	0.000E+00
61	6.100E+01	7.425E-04	-5.739E-04	1.984E+03	1.460E+01	0.000E+00
62	6.200E+01	3.309E-04	-4.116E-04	2.000E+03	1.460E+01	0.000E+00
63	6.300E+01	8.304E-05	-2.479E-04	2.015E+03	1.460E+01	0.000E+00
64	6.400E+01	0.000E+00	-8.304E-05	1.015E+03	-1.000E+03	-1.460E+01
65	6.500E+01	8.304E-05	8.304E-05	0.000E+00	-1.015E+03	0.000E+00

PROB (CONTD)

3 Live Load Case B, Water Case 1 - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.453E-01	999		3.453E-01	0		0.000E+00	999		0.000E+00	999	
0	3.359E-01	0		3.359E-01	999		2.701E+02	999		2.701E+02	999	
1	3.265E-01	0		3.265E-01	999		5.703E+02	999		5.703E+02	999	
2	3.173E-01	0		3.173E-01	999		6.002E+02	999		6.002E+02	999	
3	3.081E-01	999		3.081E-01	0		6.300E+02	999		6.300E+02	999	
4	2.989E-01	999		2.989E-01	0		6.597E+02	999		6.597E+02	999	
5	2.899E-01	0		2.899E-01	999		6.892E+02	999		6.892E+02	999	
6	2.809E-01	0		2.809E-01	999		7.187E+02	999		7.187E+02	999	
7	2.720E-01	999		2.720E-01	0		7.479E+02	999		7.479E+02	999	
8	2.633E-01	999		2.633E-01	0		7.771E+02	999		7.771E+02	999	
9	2.545E-01	0		2.545E-01	999		8.060E+02	999		8.060E+02	999	
10	2.459E-01	999		2.459E-01	0		8.348E+02	999		8.348E+02	999	
11	2.374E-01	999		2.374E-01	0		8.635E+02	999		8.635E+02	999	
12	2.290E-01	999		2.290E-01	0		8.920E+02	999		8.920E+02	999	
13	2.207E-01	999		2.207E-01	0		9.203E+02	999		9.203E+02	999	
14	2.125E-01	999		2.125E-01	0		9.484E+02	999		9.484E+02	999	
15	2.044E-01	0		2.044E-01	999		9.764E+02	999		9.764E+02	999	
16	1.965E-01	999		1.965E-01	0		1.004E+03	999		1.004E+03	999	
17	1.886E-01	0		1.886E-01	999		1.032E+03	999		1.032E+03	999	
18	1.809E-01	0		1.809E-01	999		1.059E+03	999		1.059E+03	999	
19	1.733E-01	0		1.733E-01	999		1.086E+03	999		1.086E+03	999	
20	1.658E-01	999		1.658E-01	0		1.113E+03	999		1.113E+03	999	
21	1.585E-01	999		1.585E-01	0		1.140E+03	999		1.140E+03	999	
22	1.513E-01	999		1.513E-01	0		1.166E+03	999		1.166E+03	999	
23	1.442E-01	0		1.442E-01	999		1.193E+03	999		1.193E+03	999	
24	1.373E-01	999		1.373E-01	0		1.219E+03	999		1.219E+03	999	
25	1.305E-01	0		1.305E-01	999		1.245E+03	999		1.245E+03	999	
26	1.238E-01	0		1.238E-01	999		1.270E+03	999		1.270E+03	999	
27	1.173E-01	0		1.173E-01	999		1.295E+03	999		1.295E+03	999	
28	1.110E-01	0		1.110E-01	999		1.321E+03	999		1.321E+03	999	
29	1.048E-01	0		1.048E-01	999		1.345E+03	999		1.345E+03	999	
30	9.878E-02	0		9.878E-02	999		1.370E+03	999		1.370E+03	999	
31	9.291E-02	0		9.291E-02	999		1.394E+03	999		1.394E+03	999	
32	8.721E-02	999		8.721E-02	0		1.418E+03	999		1.418E+03	999	
33	8.168E-02	0		8.168E-02	999		1.442E+03	999		1.442E+03	999	
34	7.631E-02	999		7.631E-02	0		1.465E+03	999		1.465E+03	999	
35	7.112E-02	0		7.112E-02	999		1.489E+03	999		1.489E+03	999	
36	6.610E-02	999		6.610E-02	0		1.511E+03	999		1.511E+03	999	
37	6.126E-02	999		6.126E-02	0		1.534E+03	999		1.534E+03	999	
38	5.660E-02	0		5.660E-02	999		1.556E+03	999		1.556E+03	999	
39	5.213E-02	999		5.213E-02	0		1.578E+03	999		1.578E+03	999	
40	4.784E-02	999		4.784E-02	0		1.600E+03	999		1.600E+03	999	
41	4.373E-02	999		4.373E-02	0		1.621E+03	999		1.621E+03	999	
42	3.982E-02	999		3.982E-02	0		1.642E+03	999		1.642E+03	999	
43	3.611E-02	0		3.611E-02	999		1.663E+03	999		1.663E+03	999	
44	3.258E-02	999		3.258E-02	0		1.684E+03	999		1.684E+03	999	
45	2.926E-02	0		2.926E-02	999		1.704E+03	999		1.704E+03	999	
46	2.614E-02	0		2.614E-02	999		1.723E+03	999		1.723E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.322E-02	999		2.322E-02	0		1.743E+03	999		1.743E+03	999	
48	2.050E-02	0		2.050E-02	999		1.762E+03	999		1.762E+03	999	
49	1.799E-02	999		1.799E-02	0		1.781E+03	999		1.781E+03	999	
50	1.570E-02	999		1.570E-02	0		1.799E+03	999		1.799E+03	999	
51	1.357E-02	0		1.357E-02	999		1.817E+03	999		1.817E+03	999	
52	1.160E-02	999		1.160E-02	0		1.835E+03	999		1.835E+03	999	
53	9.771E-03	0		9.771E-03	999		1.853E+03	999		1.853E+03	999	
54	8.098E-03	0		8.098E-03	999		1.870E+03	999		1.870E+03	999	
55	6.577E-03	999		6.577E-03	0		1.887E+03	999		1.887E+03	999	
56	5.210E-03	0		5.210E-03	999		1.904E+03	999		1.904E+03	999	
57	4.000E-03	0		4.000E-03	999		1.921E+03	999		1.921E+03	999	
58	2.946E-03	0		2.946E-03	999		1.937E+03	999		1.937E+03	999	
59	2.052E-03	0		2.052E-03	999		1.953E+03	999		1.953E+03	999	
60	1.316E-03	999		1.316E-03	0		1.969E+03	999		1.969E+03	999	
61	7.425E-04	0		7.425E-04	999		1.984E+03	999		1.984E+03	999	
62	3.309E-04	999		3.309E-04	0		2.000E+03	999		2.000E+03	999	
63	8.304E-05	999		8.304E-05	0		2.015E+03	999		2.015E+03	999	
64	0.000E+00	999		0.000E+00	999		1.015E+03	999		1.015E+03	999	
65	8.304E-05	999		8.304E-05	0		0.000E+00	999		0.000E+00	999	



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	2.701E+02 999	2.701E+02 999	0.000E+00 999	0.000E+00 999
0	2.848E+02 999	2.848E+02 999	0.000E+00 999	0.000E+00 999
1	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
2	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
3	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
4	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
5	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
6	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
7	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
8	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
9	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
10	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
11	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
12	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
13	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
14	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
15	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
16	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
17	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
18	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
19	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
20	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
21	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
22	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
23	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
24	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
25	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
27	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
28	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
29	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
30	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
31	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
32	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
33	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
34	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
35	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
36	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
37	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
38	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
39	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
40	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
41	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
42	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
43	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
44	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
45	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
46	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
47	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
48	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
49	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
50	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
51	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
53	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
54	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
55	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
56	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
57	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
58	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
59	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
60	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
61	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
62	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
63	1.460E+01 999	1.460E+01 999	0.000E+00 999	0.000E+00 999
64	-1.000E+03 999	-1.000E+03 999	-1.460E+01 999	-1.460E+01 999
65	-1.015E+03 999	-1.015E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
4 Live Load Case B, Water Case 1 - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	3.390E+01	0.000E+00	4.748E+03	0.000E+00	-1.652E+03	
0	50	0	3.398E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.652E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
4 Live Load Case B, Water Case 1 - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.363E-01		0.000E+00		0.000E+00
0	0.000E+00	2.277E-01	-8.667E-03	2.374E+03	2.374E+03	0.000E+00
1	1.000E+00	2.191E-01	-8.527E-03	4.796E+03	2.408E+03	0.000E+00
2	2.000E+00	2.108E-01	-8.386E-03	4.844E+03	3.390E+01	0.000E+00
3	3.000E+00	2.025E-01	-8.244E-03	4.891E+03	3.390E+01	0.000E+00
4	4.000E+00	1.944E-01	-8.100E-03	4.938E+03	3.390E+01	0.000E+00
5	5.000E+00	1.865E-01	-7.954E-03	4.985E+03	3.390E+01	0.000E+00
6	6.000E+00	1.786E-01	-7.808E-03	5.032E+03	3.390E+01	0.000E+00
7	7.000E+00	1.710E-01	-7.660E-03	5.079E+03	3.390E+01	0.000E+00
8	8.000E+00	1.635E-01	-7.510E-03	5.125E+03	3.390E+01	0.000E+00
9	9.000E+00	1.561E-01	-7.359E-03	5.171E+03	3.390E+01	0.000E+00
10	1.000E+01	1.489E-01	-7.207E-03	5.217E+03	3.390E+01	0.000E+00
11	1.100E+01	1.419E-01	-7.054E-03	5.263E+03	3.390E+01	0.000E+00
12	1.200E+01	1.350E-01	-6.899E-03	5.308E+03	3.390E+01	0.000E+00
13	1.300E+01	1.282E-01	-6.743E-03	5.353E+03	3.390E+01	0.000E+00
14	1.400E+01	1.216E-01	-6.585E-03	5.398E+03	3.390E+01	0.000E+00
15	1.500E+01	1.152E-01	-6.426E-03	5.442E+03	3.390E+01	0.000E+00
16	1.600E+01	1.089E-01	-6.266E-03	5.486E+03	3.390E+01	0.000E+00
17	1.700E+01	1.028E-01	-6.105E-03	5.530E+03	3.390E+01	0.000E+00
18	1.800E+01	9.689E-02	-5.942E-03	5.574E+03	3.390E+01	0.000E+00
19	1.900E+01	9.111E-02	-5.778E-03	5.618E+03	3.390E+01	0.000E+00
20	2.000E+01	8.550E-02	-5.612E-03	5.661E+03	3.390E+01	0.000E+00
21	2.100E+01	8.005E-02	-5.446E-03	5.704E+03	3.390E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	7.478E-02	-5.278E-03	5.746E+03	3.390E+01	0.000E+00
23	2.300E+01	6.967E-02	-5.109E-03	5.789E+03	3.390E+01	0.000E+00
24	2.400E+01	6.473E-02	-4.939E-03	5.831E+03	3.390E+01	0.000E+00
25	2.500E+01	5.996E-02	-4.767E-03	5.872E+03	3.390E+01	0.000E+00
26	2.600E+01	5.537E-02	-4.594E-03	5.914E+03	3.390E+01	0.000E+00
27	2.700E+01	5.095E-02	-4.420E-03	5.955E+03	3.390E+01	0.000E+00
28	2.800E+01	4.670E-02	-4.245E-03	5.996E+03	3.390E+01	0.000E+00
29	2.900E+01	4.264E-02	-4.068E-03	6.037E+03	3.390E+01	0.000E+00
30	3.000E+01	3.874E-02	-3.891E-03	6.077E+03	3.390E+01	0.000E+00
31	3.100E+01	3.503E-02	-3.712E-03	6.117E+03	3.390E+01	0.000E+00
32	3.200E+01	3.150E-02	-3.532E-03	6.157E+03	3.390E+01	0.000E+00
33	3.300E+01	2.815E-02	-3.351E-03	6.196E+03	3.390E+01	0.000E+00
34	3.400E+01	2.498E-02	-3.168E-03	6.235E+03	3.390E+01	0.000E+00
35	3.500E+01	2.200E-02	-2.985E-03	6.274E+03	3.390E+01	0.000E+00
36	3.600E+01	1.920E-02	-2.800E-03	6.313E+03	3.390E+01	0.000E+00
37	3.700E+01	1.658E-02	-2.614E-03	6.351E+03	3.390E+01	0.000E+00
38	3.800E+01	1.415E-02	-2.427E-03	6.389E+03	3.390E+01	0.000E+00
39	3.900E+01	1.192E-02	-2.239E-03	6.426E+03	3.390E+01	0.000E+00
40	4.000E+01	9.865E-03	-2.050E-03	6.464E+03	3.390E+01	0.000E+00
41	4.100E+01	8.005E-03	-1.860E-03	6.501E+03	3.390E+01	0.000E+00
42	4.200E+01	6.336E-03	-1.669E-03	6.537E+03	3.390E+01	0.000E+00
43	4.300E+01	4.860E-03	-1.476E-03	6.574E+03	3.390E+01	0.000E+00
44	4.400E+01	3.577E-03	-1.283E-03	6.610E+03	3.390E+01	0.000E+00
45	4.500E+01	2.488E-03	-1.088E-03	6.645E+03	3.390E+01	0.000E+00
46	4.600E+01	1.595E-03	-8.929E-04	6.681E+03	3.390E+01	0.000E+00
47	4.700E+01	8.990E-04	-6.963E-04	6.716E+03	3.390E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	4.003E-04	-4.987E-04	6.750E+03	3.390E+01	0.000E+00
49	4.900E+01	1.003E-04	-3.000E-04	6.785E+03	3.390E+01	0.000E+00
50	5.000E+01	0.000E+00	-1.003E-04	3.409E+03	-3.376E+03	-3.390E+01
51	5.100E+01	1.003E-04	1.003E-04	0.000E+00	-3.409E+03	0.000E+00

PROB (CONTD)

4 Live Load Case B, Water Case 1 - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.363E-01		0	2.363E-01		999	0.000E+00		999	0.000E+00		999
0	2.277E-01		999	2.277E-01		0	2.374E+03		999	2.374E+03		999
1	2.191E-01		999	2.191E-01		0	4.796E+03		999	4.796E+03		999
2	2.108E-01		0	2.108E-01		999	4.844E+03		999	4.844E+03		999
3	2.025E-01		999	2.025E-01		0	4.891E+03		999	4.891E+03		999
4	1.944E-01		999	1.944E-01		0	4.938E+03		999	4.938E+03		999
5	1.865E-01		0	1.865E-01		999	4.985E+03		999	4.985E+03		999
6	1.786E-01		999	1.786E-01		0	5.032E+03		999	5.032E+03		999
7	1.710E-01		0	1.710E-01		999	5.079E+03		999	5.079E+03		999
8	1.635E-01		999	1.635E-01		0	5.125E+03		999	5.125E+03		999
9	1.561E-01		999	1.561E-01		0	5.171E+03		999	5.171E+03		999
10	1.489E-01		999	1.489E-01		0	5.217E+03		999	5.217E+03		999
11	1.419E-01		0	1.419E-01		999	5.263E+03		999	5.263E+03		999
12	1.350E-01		999	1.350E-01		0	5.308E+03		999	5.308E+03		999
13	1.282E-01		999	1.282E-01		0	5.353E+03		999	5.353E+03		999
14	1.216E-01		999	1.216E-01		0	5.398E+03		999	5.398E+03		999
15	1.152E-01		999	1.152E-01		0	5.442E+03		999	5.442E+03		999
16	1.089E-01		0	1.089E-01		999	5.486E+03		999	5.486E+03		999
17	1.028E-01		0	1.028E-01		999	5.530E+03		999	5.530E+03		999
18	9.689E-02		0	9.689E-02		999	5.574E+03		999	5.574E+03		999
19	9.111E-02		0	9.111E-02		999	5.618E+03		999	5.618E+03		999
20	8.550E-02		0	8.550E-02		999	5.661E+03		999	5.661E+03		999
21	8.005E-02		999	8.005E-02		0	5.704E+03		999	5.704E+03		999
22	7.478E-02		999	7.478E-02		0	5.746E+03		999	5.746E+03		999
23	6.967E-02		999	6.967E-02		0	5.789E+03		999	5.789E+03		999
24	6.473E-02		0	6.473E-02		999	5.831E+03		999	5.831E+03		999
25	5.996E-02		0	5.996E-02		999	5.872E+03		999	5.872E+03		999
26	5.537E-02		999	5.537E-02		0	5.914E+03		999	5.914E+03		999
27	5.095E-02		0	5.095E-02		999	5.955E+03		999	5.955E+03		999
28	4.670E-02		999	4.670E-02		0	5.996E+03		999	5.996E+03		999
29	4.264E-02		999	4.264E-02		0	6.037E+03		999	6.037E+03		999
30	3.874E-02		0	3.874E-02		999	6.077E+03		999	6.077E+03		999
31	3.503E-02		0	3.503E-02		999	6.117E+03		999	6.117E+03		999
32	3.150E-02		0	3.150E-02		999	6.157E+03		999	6.157E+03		999
33	2.815E-02		0	2.815E-02		999	6.196E+03		999	6.196E+03		999
34	2.498E-02		0	2.498E-02		999	6.235E+03		999	6.235E+03		999
35	2.200E-02		0	2.200E-02		999	6.274E+03		999	6.274E+03		999
36	1.920E-02		0	1.920E-02		999	6.313E+03		999	6.313E+03		999
37	1.658E-02		999	1.658E-02		0	6.351E+03		999	6.351E+03		999
38	1.415E-02		0	1.415E-02		999	6.389E+03		999	6.389E+03		999
39	1.192E-02		0	1.192E-02		999	6.426E+03		999	6.426E+03		999
40	9.865E-03		0	9.865E-03		999	6.464E+03		999	6.464E+03		999
41	8.005E-03		999	8.005E-03		0	6.501E+03		999	6.501E+03		999
42	6.336E-03		999	6.336E-03		0	6.537E+03		999	6.537E+03		999
43	4.860E-03		0	4.860E-03		999	6.574E+03		999	6.574E+03		999
44	3.577E-03		0	3.577E-03		999	6.610E+03		999	6.610E+03		999
45	2.488E-03		999	2.488E-03		0	6.645E+03		999	6.645E+03		999
46	1.595E-03		999	1.595E-03		0	6.681E+03		999	6.681E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	8.990E-04		0	8.990E-04		999	6.716E+03		999	6.716E+03		999
48	4.003E-04		999	4.003E-04		0	6.750E+03		999	6.750E+03		999
49	1.003E-04		0	1.003E-04		999	6.785E+03		999	6.785E+03		999
50	0.000E+00		999	0.000E+00		999	3.409E+03		999	3.409E+03		999
51	1.003E-04		0	1.003E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	2.374E+03 999	2.374E+03 999	0.000E+00 999	0.000E+00 999
0	2.408E+03 999	2.408E+03 999	0.000E+00 999	0.000E+00 999
1	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
2	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
3	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
4	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
5	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
6	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
7	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
8	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
9	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
10	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
11	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
12	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
13	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
14	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
15	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
16	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
17	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
18	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
19	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
20	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
21	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
22	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
23	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
24	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
25	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
27	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
28	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
29	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
30	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
31	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
32	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
33	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
34	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
35	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
36	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
37	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
38	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
39	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
40	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
41	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
42	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
43	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
44	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
45	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
46	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
47	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
48	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
49	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
50	-3.376E+03 999	-3.376E+03 999	-3.390E+01 999	-3.390E+01 999
51	-3.409E+03 999	-3.409E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

## BMCOL51 Model 1 - Strength III Input File

Any	Any	XXXX	XXXX-XX-XXX	Brg					(ft & kips)
Strength III Load Cases ~ LRFD Column Design Example, Bent 2									
1	Live Load Case A, Water Case 1,			0	Wind Skew - about			x-Axis	
				1	1	3	0		
64		1.0		0	0	0	1		
64	3	0.0	0.0						
0	0		0.0				181.7	-1779.8	
0	50	8.496E+06	0.000					-1779.8	
50	64	1.222E+07	0.000					-1779.8	
2	Live Load Case A, Water Case 1,			0	Wind Skew - about			y-Axis	
				1	1	2	0		
50		1.0		0	0	0	1		
50	3	0.0	0.0						
0	0		62.7				1485.8	-1779.8	
0	50	3.398E+07	0.224					-1779.8	
3	Live Load Case A, Water Case 1,			15	Wind Skew - about			x-Axis	
				1	1	3	0		
64		1.0		0	0	0	1		
64	3	0	0						
0	0		8.6				233.9	-1891.5	
0	50	8.496E+06	0.116					-1891.5	
50	64	1.222E+07	0					-1891.5	
4	Live Load Case A, Water Case 1,			15	Wind Skew - about			y-Axis	
				1	1	2	0		
50		1.0		0	0	0	1		
50	3	0	0						
0	0		55.3				373.7	-1891.5	
0	50	3.398E+07	0.216					-1891.5	
5	Live Load Case A, Water Case 1,			30	Wind Skew - about			x-Axis	
				1	1	3	0		
64		1.0		0	0	0	1		
64	3	0	0						
0	0		17.1				286.0	-1891.5	
0	50	8.496E+06	0.224					-1891.5	
50	64	1.222E+07	0					-1891.5	
6	Live Load Case A, Water Case 1,			30	Wind Skew - about			y-Axis	
				1	1	2	0		
50		1.0		0	0	0	1		
50	3	0	0						
0	0		51.4				348.2	-1891.5	
0	50	3.398E+07	0.194					-1891.5	
7	Live Load Case A, Water Case 1,			45	Wind Skew - about			x-Axis	
				1	1	3	0		
64		1.0		0	0	0	1		
64	3	0	0						
0	0		23.0				321.0	-1891.5	
0	50	8.496E+06	0.317					-1891.5	
50	64	1.222E+07	0					-1891.5	
8	Live Load Case A, Water Case 1,			45	Wind Skew - about			y-Axis	
				1	1	2	0		
50		1.0		0	0	0	1		
50	3	0	0						
0	0		41.4				280.2	-1891.5	
0	50	3.398E+07	0.158					-1891.5	
9	Live Load Case A, Water Case 1,			60	Wind Skew - about			x-Axis	
				1	1	3	0		
64		1.0		0	0	0	1		
64	3	0	0						
0	0		27.5				347.3	-1891.5	
0	50	8.496E+06	0.388					-1891.5	
50	64	1.222E+07	0					-1891.5	
10	Live Load Case A, Water Case 1,			60	Wind Skew - about			y-Axis	
				1	1	2	0		
50		1.0		0	0	0	1		
50	3	0	0						
0	0		21.5				144.5	-1891.5	
0	50	3.398E+07	0.112					-1891.5	
11	Live Load Case B, Water Case 1,			0	Wind Skew - about			x-Axis	

				1	1	3	0			
	64		1.0		0	0	0	1		
	64	3	0.0	0.0						
	0	0		0.0			125.2		0	-1212.2
	0	50	8.496E+06	0.000						-1212.2
	50	64	1.222E+07	0.000						-1212.2
12	Live Load Case B, Water Case 1,				0	Wind Skew - about y-Axis				
				1	1	2	0			
	50		1.0		0	0	0	1		
	50	3	0.0	0.0						
	0	0		62.7			1485.8		0	-1212.2
	0	50	3.398E+07	0.224						-1212.2
13	Live Load Case B, Water Case 1,				15	Wind Skew - about x-Axis				
				1	1	3	0			
	64		1.0		0	0	0	1		
	64	3	0	0						
	0	0		8.6			177.4		0	-1324.0
	0	50	8.496E+06	0.116						-1324.0
	50	64	1.222E+07	0						-1324.0
14	Live Load Case B, Water Case 1,				15	Wind Skew - about y-Axis				
				1	1	2	0			
	50		1.0		0	0	0	1		
	50	3	0	0						
	0	0		55.3			373.7		0	-1324.0
	0	50	3.398E+07	0.216						-1324.0
15	Live Load Case B, Water Case 1,				30	Wind Skew - about x-Axis				
				1	1	3	0			
	64		1.0		0	0	0	1		
	64	3	0	0						
	0	0		17.1			229.5		0	-1324.0
	0	50	8.496E+06	0.224						-1324.0
	50	64	1.222E+07	0						-1324.0
16	Live Load Case B, Water Case 1,				30	Wind Skew - about y-Axis				
				1	1	2	0			
	50		1.0		0	0	0	1		
	50	3	0	0						
	0	0		51.4			348.2		0	-1324.0
	0	50	3.398E+07	0.194						-1324.0
17	Live Load Case B, Water Case 1,				45	Wind Skew - about x-Axis				
				1	1	3	0			
	64		1.0		0	0	0	1		
	64	3	0	0						
	0	0		23.0			264.5		0	-1324.0
	0	50	8.496E+06	0.317						-1324.0
	50	64	1.222E+07	0						-1324.0
18	Live Load Case B, Water Case 1,				45	Wind Skew - about y-Axis				
				1	1	2	0			
	50		1.0		0	0	0	1		
	50	3	0	0						
	0	0		41.4			280.2		0	-1324.0
	0	50	3.398E+07	0.158						-1324.0
19	Live Load Case B, Water Case 1,				60	Wind Skew - about x-Axis				
				1	1	3	0			
	64		1.0		0	0	0	1		
	64	3	0	0						
	0	0		27.5			290.7		0	-1324.0
	0	50	8.496E+06	0.388						-1324.0
	50	64	1.222E+07	0						-1324.0
20	Live Load Case B, Water Case 1,				60	Wind Skew - about y-Axis				
				1	1	2	0			
	50		1.0		0	0	0	1		
	50	3	0	0						
	0	0		21.5			144.5		0	-1324.0
	0	50	3.398E+07	0.112						-1324.0

CEASE

## BMCOL51 Model 1 - Strength III Output File

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
1 Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	0.000E+00	0.000E+00	1.817E+02	0.000E+00	-1.780E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.780E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.780E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO            COUNTY        NO       IPE   SECTION-JOB       BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
1        Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	5.766E-02		0.000E+00		0.000E+00
0	0.000E+00	5.592E-02	-1.743E-03	9.085E+01	9.085E+01	0.000E+00
1	1.000E+00	5.419E-02	-1.722E-03	1.848E+02	9.085E+01	0.000E+00
2	2.000E+00	5.249E-02	-1.700E-03	1.878E+02	4.358E-06	0.000E+00
3	3.000E+00	5.082E-02	-1.678E-03	1.878E+02	6.639E-06	0.000E+00
4	4.000E+00	4.916E-02	-1.655E-03	1.908E+02	-6.401E-06	0.000E+00
5	4.000E+00	4.916E-02	-1.633E-03	1.937E+02	2.640E-06	0.000E+00
6	5.000E+00	4.753E-02	-1.609E-03	1.966E+02	-5.255E-06	0.000E+00
7	6.000E+00	4.592E-02	-1.609E-03	1.995E+02	7.060E-06	0.000E+00
8	7.000E+00	4.433E-02	-1.586E-03	2.023E+02	7.060E-06	0.000E+00
9	8.000E+00	4.277E-02	-1.562E-03	2.051E+02	3.139E-07	0.000E+00
10	9.000E+00	4.123E-02	-1.538E-03	2.078E+02	-3.855E-06	0.000E+00
11	1.000E+01	3.972E-02	-1.513E-03	2.105E+02	8.117E-07	0.000E+00
12	1.100E+01	3.823E-02	-1.489E-03	2.132E+02	5.194E-06	0.000E+00
13	1.200E+01	3.677E-02	-1.464E-03	2.158E+02	5.152E-08	0.000E+00
14	1.300E+01	3.533E-02	-1.438E-03	2.183E+02	-8.711E-06	0.000E+00
15	1.400E+01	3.392E-02	-1.413E-03	2.183E+02	-4.466E-08	0.000E+00
16	1.400E+01	3.392E-02	-1.387E-03	2.209E+02	1.209E-06	0.000E+00
17	1.500E+01	3.253E-02	-1.360E-03	2.209E+02	6.162E-07	0.000E+00
18	1.600E+01	3.117E-02	-1.334E-03	2.257E+02	6.162E-07	0.000E+00
19	1.700E+01	2.984E-02	-1.307E-03	2.281E+02	3.636E-06	0.000E+00
20	1.800E+01	2.853E-02	-1.280E-03	2.281E+02	3.623E-07	0.000E+00
21	1.800E+01	2.853E-02	-1.280E-03	2.304E+02	-3.958E-06	0.000E+00
22	1.900E+01	2.725E-02	-1.252E-03	2.327E+02	-3.958E-06	0.000E+00
23	2.000E+01	2.600E-02	-1.225E-03	2.327E+02	-4.178E-06	0.000E+00
24	2.000E+01	2.600E-02	-1.225E-03	2.349E+02	4.747E-06	0.000E+00
25	2.100E+01	2.477E-02		2.371E+02		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.358E-02	-1.197E-03	2.393E+02	-2.751E-06	0.000E+00
23	2.300E+01	2.241E-02	-1.169E-03	2.413E+02	8.698E-06	0.000E+00
24	2.400E+01	2.127E-02	-1.140E-03	2.434E+02	-1.925E-06	0.000E+00
25	2.500E+01	2.016E-02	-1.112E-03	2.453E+02	5.670E-07	0.000E+00
26	2.600E+01	1.907E-02	-1.083E-03	2.473E+02	-9.765E-06	0.000E+00
27	2.700E+01	1.802E-02	-1.054E-03	2.491E+02	2.087E-06	0.000E+00
28	2.800E+01	1.700E-02	-1.024E-03	2.510E+02	1.001E-05	0.000E+00
29	2.900E+01	1.600E-02	-9.947E-04	2.527E+02	-1.218E-05	0.000E+00
30	3.000E+01	1.504E-02	-9.649E-04	2.545E+02	7.964E-07	0.000E+00
31	3.100E+01	1.410E-02	-9.350E-04	2.561E+02	-7.937E-06	0.000E+00
32	3.200E+01	1.320E-02	-9.048E-04	2.577E+02	1.149E-05	0.000E+00
33	3.300E+01	1.232E-02	-8.745E-04	2.593E+02	-1.319E-05	0.000E+00
34	3.400E+01	1.148E-02	-8.440E-04	2.593E+02	1.352E-05	0.000E+00
35	3.500E+01	1.067E-02	-8.133E-04	2.608E+02	-1.132E-05	0.000E+00
36	3.600E+01	9.883E-03	-7.824E-04	2.622E+02	2.293E-05	0.000E+00
37	3.700E+01	9.131E-03	-7.514E-04	2.636E+02	-1.732E-05	0.000E+00
38	3.800E+01	8.411E-03	-7.202E-04	2.650E+02	8.959E-06	0.000E+00
39	3.900E+01	7.722E-03	-6.888E-04	2.662E+02	-1.422E-06	0.000E+00
40	4.000E+01	7.065E-03	-6.574E-04	2.675E+02	8.889E-07	0.000E+00
41	4.100E+01	6.439E-03	-6.257E-04	2.686E+02	4.156E-06	0.000E+00
42	4.200E+01	5.845E-03	-5.940E-04	2.698E+02	-3.412E-06	0.000E+00
43	4.300E+01	5.283E-03	-5.621E-04	2.708E+02	-3.135E-06	0.000E+00
44	4.400E+01	4.753E-03	-5.301E-04	2.718E+02	-6.897E-06	0.000E+00
45	4.500E+01	4.255E-03	-4.980E-04	2.728E+02	3.890E-06	0.000E+00
46	4.600E+01	3.789E-03	-4.658E-04	2.736E+02	1.726E-05	0.000E+00
47	4.700E+01	3.356E-03	-4.335E-04	2.745E+02	-9.325E-06	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.955E-03	-4.011E-04	2.760E+02	3.655E-06	0.000E+00
49	4.900E+01	2.586E-03	-3.686E-04	2.766E+02	-1.692E-05	0.000E+00
50	5.000E+01	2.250E-03	-3.361E-04	2.772E+02	8.394E-06	0.000E+00
51	5.100E+01	1.941E-03	-3.093E-04	2.778E+02	3.976E-06	0.000E+00
52	5.200E+01	1.654E-03	-2.866E-04	2.783E+02	-6.701E-06	0.000E+00
53	5.300E+01	1.390E-03	-2.638E-04	2.787E+02	-4.128E-06	0.000E+00
54	5.400E+01	1.149E-03	-2.410E-04	2.792E+02	5.794E-06	0.000E+00
55	5.500E+01	9.311E-04	-2.181E-04	2.796E+02	-1.337E-05	0.000E+00
56	5.600E+01	7.359E-04	-1.953E-04	2.799E+02	2.402E-05	0.000E+00
57	5.700E+01	5.635E-04	-1.724E-04	2.802E+02	-1.004E-05	0.000E+00
58	5.800E+01	4.141E-04	-1.494E-04	2.805E+02	5.745E-07	0.000E+00
59	5.900E+01	2.876E-04	-1.265E-04	2.807E+02	-1.111E-05	0.000E+00
60	6.000E+01	1.841E-04	-1.035E-04	2.809E+02	9.995E-06	0.000E+00
61	6.100E+01	1.035E-04	-8.052E-05	2.810E+02	-3.104E-06	0.000E+00
62	6.200E+01	4.602E-05	-5.752E-05	2.811E+02	4.669E-06	0.000E+00
63	6.300E+01	1.151E-05	-3.452E-05	2.812E+02	-3.164E-06	0.000E+00
64	6.400E+01	0.000E+00	-1.151E-05	1.406E+02	-1.406E+02	2.049E-06
65	6.500E+01	1.151E-05	1.151E-05	0.000E+00	-1.406E+02	0.000E+00

PROB (CONTD)

1 Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	5.766E-02		0	5.766E-02		999	0.000E+00		999	0.000E+00		999
0	5.592E-02		999	5.592E-02		0	9.085E+01		999	9.085E+01		999
1	5.419E-02		999	5.419E-02		0	1.848E+02		999	1.848E+02		999
2	5.249E-02		0	5.249E-02		999	1.878E+02		999	1.878E+02		999
3	5.082E-02		0	5.082E-02		999	1.908E+02		999	1.908E+02		999
4	4.916E-02		999	4.916E-02		0	1.937E+02		999	1.937E+02		999
5	4.753E-02		0	4.753E-02		999	1.966E+02		999	1.966E+02		999
6	4.592E-02		999	4.592E-02		0	1.995E+02		999	1.995E+02		999
7	4.433E-02		0	4.433E-02		999	2.023E+02		999	2.023E+02		999
8	4.277E-02		999	4.277E-02		0	2.051E+02		999	2.051E+02		999
9	4.123E-02		0	4.123E-02		999	2.078E+02		999	2.078E+02		999
10	3.972E-02		999	3.972E-02		0	2.105E+02		999	2.105E+02		999
11	3.823E-02		999	3.823E-02		0	2.132E+02		999	2.132E+02		999
12	3.677E-02		999	3.677E-02		0	2.158E+02		999	2.158E+02		999
13	3.533E-02		999	3.533E-02		0	2.183E+02		999	2.183E+02		999
14	3.392E-02		0	3.392E-02		999	2.209E+02		999	2.209E+02		999
15	3.253E-02		999	3.253E-02		0	2.233E+02		999	2.233E+02		999
16	3.117E-02		0	3.117E-02		999	2.257E+02		999	2.257E+02		999
17	2.984E-02		999	2.984E-02		0	2.281E+02		999	2.281E+02		999
18	2.853E-02		0	2.853E-02		999	2.304E+02		999	2.304E+02		999
19	2.725E-02		999	2.725E-02		0	2.327E+02		999	2.327E+02		999
20	2.600E-02		0	2.600E-02		999	2.349E+02		999	2.349E+02		999
21	2.477E-02		999	2.477E-02		0	2.371E+02		999	2.371E+02		999
22	2.358E-02		999	2.358E-02		0	2.393E+02		999	2.393E+02		999
23	2.241E-02		0	2.241E-02		999	2.413E+02		999	2.413E+02		999
24	2.127E-02		0	2.127E-02		999	2.434E+02		999	2.434E+02		999
25	2.016E-02		0	2.016E-02		999	2.453E+02		999	2.453E+02		999
26	1.907E-02		0	1.907E-02		999	2.473E+02		999	2.473E+02		999
27	1.802E-02		999	1.802E-02		0	2.491E+02		999	2.491E+02		999
28	1.700E-02		999	1.700E-02		0	2.510E+02		999	2.510E+02		999
29	1.600E-02		999	1.600E-02		0	2.527E+02		999	2.527E+02		999
30	1.504E-02		999	1.504E-02		0	2.545E+02		999	2.545E+02		999
31	1.410E-02		999	1.410E-02		0	2.561E+02		999	2.561E+02		999
32	1.320E-02		0	1.320E-02		999	2.577E+02		999	2.577E+02		999
33	1.232E-02		999	1.232E-02		0	2.593E+02		999	2.593E+02		999
34	1.148E-02		0	1.148E-02		999	2.608E+02		999	2.608E+02		999
35	1.067E-02		999	1.067E-02		0	2.622E+02		999	2.622E+02		999
36	9.883E-03		999	9.883E-03		0	2.636E+02		999	2.636E+02		999
37	9.131E-03		999	9.131E-03		0	2.650E+02		999	2.650E+02		999
38	8.411E-03		999	8.411E-03		0	2.662E+02		999	2.662E+02		999
39	7.722E-03		0	7.722E-03		999	2.675E+02		999	2.675E+02		999
40	7.065E-03		0	7.065E-03		999	2.686E+02		999	2.686E+02		999
41	6.439E-03		0	6.439E-03		999	2.698E+02		999	2.698E+02		999
42	5.845E-03		0	5.845E-03		999	2.708E+02		999	2.708E+02		999
43	5.283E-03		0	5.283E-03		999	2.718E+02		999	2.718E+02		999
44	4.753E-03		999	4.753E-03		0	2.728E+02		999	2.728E+02		999
45	4.255E-03		0	4.255E-03		999	2.736E+02		999	2.736E+02		999
46	3.789E-03		999	3.789E-03		0	2.745E+02		999	2.745E+02		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.356E-03		0	3.356E-03		999	2.752E+02		999	2.752E+02		999
48	2.955E-03		0	2.955E-03		999	2.760E+02		999	2.760E+02		999
49	2.586E-03		0	2.586E-03		999	2.766E+02		999	2.766E+02		999
50	2.250E-03		0	2.250E-03		999	2.772E+02		999	2.772E+02		999
51	1.941E-03		999	1.941E-03		0	2.778E+02		999	2.778E+02		999
52	1.654E-03		0	1.654E-03		999	2.783E+02		999	2.783E+02		999
53	1.390E-03		999	1.390E-03		0	2.787E+02		999	2.787E+02		999
54	1.149E-03		0	1.149E-03		999	2.792E+02		999	2.792E+02		999
55	9.311E-04		0	9.311E-04		999	2.796E+02		999	2.796E+02		999
56	7.359E-04		0	7.359E-04		999	2.799E+02		999	2.799E+02		999
57	5.635E-04		0	5.635E-04		999	2.802E+02		999	2.802E+02		999
58	4.141E-04		0	4.141E-04		999	2.805E+02		999	2.805E+02		999
59	2.876E-04		0	2.876E-04		999	2.807E+02		999	2.807E+02		999
60	1.841E-04		0	1.841E-04		999	2.809E+02		999	2.809E+02		999
61	1.035E-04		999	1.035E-04		0	2.810E+02		999	2.810E+02		999
62	4.602E-05		999	4.602E-05		0	2.811E+02		999	2.811E+02		999
63	1.151E-05		999	1.151E-05		0	2.812E+02		999	2.812E+02		999
64	0.000E+00		999	0.000E+00		999	1.406E+02		999	1.406E+02		999
65	1.151E-05		999	1.151E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	9.085E+01 999	9.085E+01 999	0.000E+00 999	0.000E+00 999
1	9.085E+01 999	9.085E+01 999	0.000E+00 999	0.000E+00 999
2	4.358E-06 999	4.358E-06 999	0.000E+00 999	0.000E+00 999
3	6.639E-06 999	6.639E-06 999	0.000E+00 999	0.000E+00 999
4	-6.401E-06 999	-6.401E-06 999	0.000E+00 999	0.000E+00 999
5	2.640E-06 999	2.640E-06 999	0.000E+00 999	0.000E+00 999
6	-5.255E-06 999	-5.255E-06 999	0.000E+00 999	0.000E+00 999
7	7.060E-06 999	7.060E-06 999	0.000E+00 999	0.000E+00 999
8	3.139E-07 999	3.139E-07 999	0.000E+00 999	0.000E+00 999
9	-3.855E-06 999	-3.855E-06 999	0.000E+00 999	0.000E+00 999
10	8.117E-07 999	8.117E-07 999	0.000E+00 999	0.000E+00 999
11	5.194E-06 999	5.194E-06 999	0.000E+00 999	0.000E+00 999
12	5.152E-08 999	5.152E-08 999	0.000E+00 999	0.000E+00 999
13	-8.711E-06 999	-8.711E-06 999	0.000E+00 999	0.000E+00 999
14	-4.466E-08 999	-4.466E-08 999	0.000E+00 999	0.000E+00 999
15	1.209E-06 999	1.209E-06 999	0.000E+00 999	0.000E+00 999
16	6.162E-07 999	6.162E-07 999	0.000E+00 999	0.000E+00 999
17	3.636E-06 999	3.636E-06 999	0.000E+00 999	0.000E+00 999
18	3.623E-07 999	3.623E-07 999	0.000E+00 999	0.000E+00 999
19	-3.958E-06 999	-3.958E-06 999	0.000E+00 999	0.000E+00 999
20	-4.178E-06 999	-4.178E-06 999	0.000E+00 999	0.000E+00 999
21	4.747E-06 999	4.747E-06 999	0.000E+00 999	0.000E+00 999
22	-2.751E-06 999	-2.751E-06 999	0.000E+00 999	0.000E+00 999
23	8.698E-06 999	8.698E-06 999	0.000E+00 999	0.000E+00 999
24	-1.925E-06 999	-1.925E-06 999	0.000E+00 999	0.000E+00 999
25	5.670E-07 999	5.670E-07 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	-9.765E-06 999	-9.765E-06 999	0.000E+00 999	0.000E+00 999
27	2.087E-06 999	2.087E-06 999	0.000E+00 999	0.000E+00 999
28	1.001E-05 999	1.001E-05 999	0.000E+00 999	0.000E+00 999
29	-1.218E-05 999	-1.218E-05 999	0.000E+00 999	0.000E+00 999
30	7.964E-07 999	7.964E-07 999	0.000E+00 999	0.000E+00 999
31	-7.937E-06 999	-7.937E-06 999	0.000E+00 999	0.000E+00 999
32	1.149E-05 999	1.149E-05 999	0.000E+00 999	0.000E+00 999
33	-1.319E-05 999	-1.319E-05 999	0.000E+00 999	0.000E+00 999
34	1.352E-05 999	1.352E-05 999	0.000E+00 999	0.000E+00 999
35	-1.132E-05 999	-1.132E-05 999	0.000E+00 999	0.000E+00 999
36	2.293E-05 999	2.293E-05 999	0.000E+00 999	0.000E+00 999
37	-1.732E-05 999	-1.732E-05 999	0.000E+00 999	0.000E+00 999
38	8.959E-06 999	8.959E-06 999	0.000E+00 999	0.000E+00 999
39	-1.422E-06 999	-1.422E-06 999	0.000E+00 999	0.000E+00 999
40	8.889E-07 999	8.889E-07 999	0.000E+00 999	0.000E+00 999
41	4.156E-06 999	4.156E-06 999	0.000E+00 999	0.000E+00 999
42	-3.412E-06 999	-3.412E-06 999	0.000E+00 999	0.000E+00 999
43	-3.135E-06 999	-3.135E-06 999	0.000E+00 999	0.000E+00 999
44	-6.897E-06 999	-6.897E-06 999	0.000E+00 999	0.000E+00 999
45	3.890E-06 999	3.890E-06 999	0.000E+00 999	0.000E+00 999
46	1.726E-05 999	1.726E-05 999	0.000E+00 999	0.000E+00 999
47	-9.325E-06 999	-9.325E-06 999	0.000E+00 999	0.000E+00 999
48	3.655E-06 999	3.655E-06 999	0.000E+00 999	0.000E+00 999
49	-1.692E-05 999	-1.692E-05 999	0.000E+00 999	0.000E+00 999
50	8.394E-06 999	8.394E-06 999	0.000E+00 999	0.000E+00 999
51	3.976E-06 999	3.976E-06 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	-6.701E-06 999	-6.701E-06 999	0.000E+00 999	0.000E+00 999
53	-4.128E-06 999	-4.128E-06 999	0.000E+00 999	0.000E+00 999
54	5.794E-06 999	5.794E-06 999	0.000E+00 999	0.000E+00 999
55	-1.337E-05 999	-1.337E-05 999	0.000E+00 999	0.000E+00 999
56	2.402E-05 999	2.402E-05 999	0.000E+00 999	0.000E+00 999
57	-1.004E-05 999	-1.004E-05 999	0.000E+00 999	0.000E+00 999
58	5.745E-07 999	5.745E-07 999	0.000E+00 999	0.000E+00 999
59	-1.111E-05 999	-1.111E-05 999	0.000E+00 999	0.000E+00 999
60	9.995E-06 999	9.995E-06 999	0.000E+00 999	0.000E+00 999
61	-3.104E-06 999	-3.104E-06 999	0.000E+00 999	0.000E+00 999
62	4.669E-06 999	4.669E-06 999	0.000E+00 999	0.000E+00 999
63	-3.164E-06 999	-3.164E-06 999	0.000E+00 999	0.000E+00 999
64	-1.406E+02 999	-1.406E+02 999	2.049E-06 999	2.049E-06 999
65	-1.406E+02 999	-1.406E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
 2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	1	2	0	0
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	6.270E+01	0.000E+00	1.486E+03	0.000E+00	-1.780E+03	
0	50	0	3.398E+07	2.240E-01	0.000E+00	0.000E+00	0.000E+00	-1.780E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
                         Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
2                    Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.493E-01		0.000E+00		0.000E+00
0	0.000E+00	1.444E-01	-4.894E-03	7.429E+02	7.429E+02	0.000E+00
1	1.000E+00	1.395E-01	-4.850E-03	1.557E+03	8.057E+02	0.000E+00
2	2.000E+00	1.347E-01	-4.805E-03	1.629E+03	6.304E+01	0.000E+00
3	3.000E+00	1.300E-01	-4.757E-03	1.701E+03	6.326E+01	0.000E+00
4	4.000E+00	1.253E-01	-4.707E-03	1.772E+03	6.348E+01	0.000E+00
5	5.000E+00	1.206E-01	-4.655E-03	1.844E+03	6.371E+01	0.000E+00
6	6.000E+00	1.160E-01	-4.600E-03	1.917E+03	6.393E+01	0.000E+00
7	7.000E+00	1.115E-01	-4.544E-03	1.989E+03	6.416E+01	0.000E+00
8	8.000E+00	1.070E-01	-4.485E-03	2.061E+03	6.438E+01	0.000E+00
9	9.000E+00	1.026E-01	-4.425E-03	2.134E+03	6.460E+01	0.000E+00
10	1.000E+01	9.820E-02	-4.362E-03	2.206E+03	6.483E+01	0.000E+00
11	1.100E+01	9.390E-02	-4.297E-03	2.279E+03	6.505E+01	0.000E+00
12	1.200E+01	8.967E-02	-4.230E-03	2.352E+03	6.528E+01	0.000E+00
13	1.300E+01	8.551E-02	-4.161E-03	2.425E+03	6.550E+01	0.000E+00
14	1.400E+01	8.142E-02	-4.089E-03	2.498E+03	6.572E+01	0.000E+00
15	1.500E+01	7.741E-02	-4.016E-03	2.571E+03	6.595E+01	0.000E+00
16	1.600E+01	7.347E-02	-3.940E-03	2.644E+03	6.617E+01	0.000E+00
17	1.700E+01	6.960E-02	-3.862E-03	2.717E+03	6.640E+01	0.000E+00
18	1.800E+01	6.582E-02	-3.782E-03	2.791E+03	6.662E+01	0.000E+00
19	1.900E+01	6.212E-02	-3.700E-03	2.864E+03	6.684E+01	0.000E+00
20	2.000E+01	5.851E-02	-3.616E-03	2.937E+03	6.707E+01	0.000E+00
21	2.100E+01	5.498E-02	-3.530E-03	3.011E+03	6.729E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.154E-02	-3.441E-03	3.085E+03	6.752E+01	0.000E+00
23	2.300E+01	4.819E-02	-3.350E-03	3.158E+03	6.774E+01	0.000E+00
24	2.400E+01	4.493E-02	-3.257E-03	3.232E+03	6.796E+01	0.000E+00
25	2.500E+01	4.177E-02	-3.162E-03	3.306E+03	6.819E+01	0.000E+00
26	2.600E+01	3.870E-02	-3.065E-03	3.380E+03	6.841E+01	0.000E+00
27	2.700E+01	3.574E-02	-2.965E-03	3.454E+03	6.864E+01	0.000E+00
28	2.800E+01	3.287E-02	-2.864E-03	3.528E+03	6.886E+01	0.000E+00
29	2.900E+01	3.011E-02	-2.760E-03	3.602E+03	6.908E+01	0.000E+00
30	3.000E+01	2.746E-02	-2.654E-03	3.676E+03	6.931E+01	0.000E+00
31	3.100E+01	2.491E-02	-2.546E-03	3.750E+03	6.953E+01	0.000E+00
32	3.200E+01	2.248E-02	-2.435E-03	3.824E+03	6.976E+01	0.000E+00
33	3.300E+01	2.016E-02	-2.323E-03	3.898E+03	6.998E+01	0.000E+00
34	3.400E+01	1.795E-02	-2.208E-03	3.972E+03	7.020E+01	0.000E+00
35	3.500E+01	1.586E-02	-2.091E-03	4.046E+03	7.043E+01	0.000E+00
36	3.600E+01	1.388E-02	-1.972E-03	4.120E+03	7.065E+01	0.000E+00
37	3.700E+01	1.203E-02	-1.851E-03	4.195E+03	7.088E+01	0.000E+00
38	3.800E+01	1.031E-02	-1.727E-03	4.269E+03	7.110E+01	0.000E+00
39	3.900E+01	8.704E-03	-1.602E-03	4.343E+03	7.132E+01	0.000E+00
40	4.000E+01	7.230E-03	-1.474E-03	4.417E+03	7.155E+01	0.000E+00
41	4.100E+01	5.886E-03	-1.344E-03	4.491E+03	7.177E+01	0.000E+00
42	4.200E+01	4.674E-03	-1.212E-03	4.565E+03	7.200E+01	0.000E+00
43	4.300E+01	3.597E-03	-1.077E-03	4.640E+03	7.222E+01	0.000E+00
44	4.400E+01	2.656E-03	-9.409E-04	4.714E+03	7.244E+01	0.000E+00
45	4.500E+01	1.854E-03	-8.022E-04	4.788E+03	7.267E+01	0.000E+00
46	4.600E+01	1.193E-03	-6.613E-04	4.862E+03	7.289E+01	0.000E+00
47	4.700E+01	6.743E-04	-5.182E-04	4.936E+03	7.312E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.014E-04	-3.729E-04	5.010E+03	7.334E+01	0.000E+00
49	4.900E+01	7.589E-05	-2.255E-04	5.084E+03	7.356E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.589E-05	2.579E+03	-2.505E+03	-7.390E+01
51	5.100E+01	7.589E-05	7.589E-05	0.000E+00	-2.579E+03	0.000E+00

PROB (CONTD)

2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.493E-01		0	1.493E-01		999	0.000E+00		999	0.000E+00		999
0	1.444E-01		0	1.444E-01		999	7.429E+02		999	7.429E+02		999
1	1.395E-01		999	1.395E-01		0	1.557E+03		999	1.557E+03		999
2	1.347E-01		999	1.347E-01		0	1.629E+03		999	1.629E+03		999
3	1.300E-01		0	1.300E-01		999	1.701E+03		999	1.701E+03		999
4	1.253E-01		0	1.253E-01		999	1.772E+03		999	1.772E+03		999
5	1.206E-01		0	1.206E-01		999	1.844E+03		999	1.844E+03		999
6	1.160E-01		999	1.160E-01		0	1.917E+03		999	1.917E+03		999
7	1.115E-01		999	1.115E-01		0	1.989E+03		999	1.989E+03		999
8	1.070E-01		999	1.070E-01		0	2.061E+03		999	2.061E+03		999
9	1.026E-01		0	1.026E-01		999	2.134E+03		999	2.134E+03		999
10	9.820E-02		0	9.820E-02		999	2.206E+03		999	2.206E+03		999
11	9.390E-02		999	9.390E-02		0	2.279E+03		999	2.279E+03		999
12	8.967E-02		999	8.967E-02		0	2.352E+03		999	2.352E+03		999
13	8.551E-02		0	8.551E-02		999	2.425E+03		999	2.425E+03		999
14	8.142E-02		0	8.142E-02		999	2.498E+03		999	2.498E+03		999
15	7.741E-02		999	7.741E-02		0	2.571E+03		999	2.571E+03		999
16	7.347E-02		999	7.347E-02		0	2.644E+03		999	2.644E+03		999
17	6.960E-02		0	6.960E-02		999	2.717E+03		999	2.717E+03		999
18	6.582E-02		0	6.582E-02		999	2.791E+03		999	2.791E+03		999
19	6.212E-02		999	6.212E-02		0	2.864E+03		999	2.864E+03		999
20	5.851E-02		0	5.851E-02		999	2.937E+03		999	2.937E+03		999
21	5.498E-02		999	5.498E-02		0	3.011E+03		999	3.011E+03		999
22	5.154E-02		999	5.154E-02		0	3.085E+03		999	3.085E+03		999
23	4.819E-02		999	4.819E-02		0	3.158E+03		999	3.158E+03		999
24	4.493E-02		999	4.493E-02		0	3.232E+03		999	3.232E+03		999
25	4.177E-02		999	4.177E-02		0	3.306E+03		999	3.306E+03		999
26	3.870E-02		0	3.870E-02		999	3.380E+03		999	3.380E+03		999
27	3.574E-02		0	3.574E-02		999	3.454E+03		999	3.454E+03		999
28	3.287E-02		0	3.287E-02		999	3.528E+03		999	3.528E+03		999
29	3.011E-02		999	3.011E-02		0	3.602E+03		999	3.602E+03		999
30	2.746E-02		0	2.746E-02		999	3.676E+03		999	3.676E+03		999
31	2.491E-02		0	2.491E-02		999	3.750E+03		999	3.750E+03		999
32	2.248E-02		0	2.248E-02		999	3.824E+03		999	3.824E+03		999
33	2.016E-02		0	2.016E-02		999	3.898E+03		999	3.898E+03		999
34	1.795E-02		0	1.795E-02		999	3.972E+03		999	3.972E+03		999
35	1.586E-02		0	1.586E-02		999	4.046E+03		999	4.046E+03		999
36	1.388E-02		0	1.388E-02		999	4.120E+03		999	4.120E+03		999
37	1.203E-02		0	1.203E-02		999	4.195E+03		999	4.195E+03		999
38	1.031E-02		0	1.031E-02		999	4.269E+03		999	4.269E+03		999
39	8.704E-03		0	8.704E-03		999	4.343E+03		999	4.343E+03		999
40	7.230E-03		999	7.230E-03		0	4.417E+03		999	4.417E+03		999
41	5.886E-03		0	5.886E-03		999	4.491E+03		999	4.491E+03		999
42	4.674E-03		0	4.674E-03		999	4.565E+03		999	4.565E+03		999
43	3.597E-03		0	3.597E-03		999	4.640E+03		999	4.640E+03		999
44	2.656E-03		0	2.656E-03		999	4.714E+03		999	4.714E+03		999
45	1.854E-03		999	1.854E-03		0	4.788E+03		999	4.788E+03		999
46	1.193E-03		999	1.193E-03		0	4.862E+03		999	4.862E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.743E-04		0	6.743E-04		999	4.936E+03		999	4.936E+03		999
48	3.014E-04		0	3.014E-04		999	5.010E+03		999	5.010E+03		999
49	7.589E-05		0	7.589E-05		999	5.084E+03		999	5.084E+03		999
50	0.000E+00		999	0.000E+00		999	2.579E+03		999	2.579E+03		999
51	7.589E-05		0	7.589E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	7.429E+02 999	7.429E+02 999	0.000E+00 999	0.000E+00 999
0	8.057E+02 999	8.057E+02 999	0.000E+00 999	0.000E+00 999
1	6.304E+01 999	6.304E+01 999	0.000E+00 999	0.000E+00 999
2	6.326E+01 999	6.326E+01 999	0.000E+00 999	0.000E+00 999
3	6.348E+01 999	6.348E+01 999	0.000E+00 999	0.000E+00 999
4	6.371E+01 999	6.371E+01 999	0.000E+00 999	0.000E+00 999
5	6.393E+01 999	6.393E+01 999	0.000E+00 999	0.000E+00 999
6	6.416E+01 999	6.416E+01 999	0.000E+00 999	0.000E+00 999
7	6.438E+01 999	6.438E+01 999	0.000E+00 999	0.000E+00 999
8	6.460E+01 999	6.460E+01 999	0.000E+00 999	0.000E+00 999
9	6.483E+01 999	6.483E+01 999	0.000E+00 999	0.000E+00 999
10	6.505E+01 999	6.505E+01 999	0.000E+00 999	0.000E+00 999
11	6.528E+01 999	6.528E+01 999	0.000E+00 999	0.000E+00 999
12	6.550E+01 999	6.550E+01 999	0.000E+00 999	0.000E+00 999
13	6.572E+01 999	6.572E+01 999	0.000E+00 999	0.000E+00 999
14	6.595E+01 999	6.595E+01 999	0.000E+00 999	0.000E+00 999
15	6.617E+01 999	6.617E+01 999	0.000E+00 999	0.000E+00 999
16	6.640E+01 999	6.640E+01 999	0.000E+00 999	0.000E+00 999
17	6.662E+01 999	6.662E+01 999	0.000E+00 999	0.000E+00 999
18	6.684E+01 999	6.684E+01 999	0.000E+00 999	0.000E+00 999
19	6.707E+01 999	6.707E+01 999	0.000E+00 999	0.000E+00 999
20	6.729E+01 999	6.729E+01 999	0.000E+00 999	0.000E+00 999
21	6.752E+01 999	6.752E+01 999	0.000E+00 999	0.000E+00 999
22	6.774E+01 999	6.774E+01 999	0.000E+00 999	0.000E+00 999
23	6.796E+01 999	6.796E+01 999	0.000E+00 999	0.000E+00 999
24	6.819E+01 999	6.819E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.841E+01 999	6.841E+01 999	0.000E+00 999	0.000E+00 999
27	6.864E+01 999	6.864E+01 999	0.000E+00 999	0.000E+00 999
28	6.886E+01 999	6.886E+01 999	0.000E+00 999	0.000E+00 999
29	6.908E+01 999	6.908E+01 999	0.000E+00 999	0.000E+00 999
30	6.931E+01 999	6.931E+01 999	0.000E+00 999	0.000E+00 999
31	6.953E+01 999	6.953E+01 999	0.000E+00 999	0.000E+00 999
32	6.976E+01 999	6.976E+01 999	0.000E+00 999	0.000E+00 999
33	6.998E+01 999	6.998E+01 999	0.000E+00 999	0.000E+00 999
34	7.020E+01 999	7.020E+01 999	0.000E+00 999	0.000E+00 999
35	7.043E+01 999	7.043E+01 999	0.000E+00 999	0.000E+00 999
36	7.065E+01 999	7.065E+01 999	0.000E+00 999	0.000E+00 999
37	7.088E+01 999	7.088E+01 999	0.000E+00 999	0.000E+00 999
38	7.110E+01 999	7.110E+01 999	0.000E+00 999	0.000E+00 999
39	7.132E+01 999	7.132E+01 999	0.000E+00 999	0.000E+00 999
40	7.155E+01 999	7.155E+01 999	0.000E+00 999	0.000E+00 999
41	7.177E+01 999	7.177E+01 999	0.000E+00 999	0.000E+00 999
42	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
43	7.222E+01 999	7.222E+01 999	0.000E+00 999	0.000E+00 999
44	7.244E+01 999	7.244E+01 999	0.000E+00 999	0.000E+00 999
45	7.267E+01 999	7.267E+01 999	0.000E+00 999	0.000E+00 999
46	7.289E+01 999	7.289E+01 999	0.000E+00 999	0.000E+00 999
47	7.312E+01 999	7.312E+01 999	0.000E+00 999	0.000E+00 999
48	7.334E+01 999	7.334E+01 999	0.000E+00 999	0.000E+00 999
49	7.356E+01 999	7.356E+01 999	0.000E+00 999	0.000E+00 999
50	-2.505E+03 999	-2.505E+03 999	-7.390E+01 999	-7.390E+01 999
51	-2.579E+03 999	-2.579E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
 3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	8.600E+00	0.000E+00	2.339E+02	0.000E+00	-1.892E+03
0	50	0	8.496E+06	1.160E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.892E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
3        Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.222E-01		0.000E+00		0.000E+00
0	0.000E+00	2.164E-01	-5.782E-03	1.169E+02	1.169E+02	0.000E+00
1	1.000E+00	2.106E-01	-5.754E-03	2.534E+02	1.256E+02	0.000E+00
2	2.000E+00	2.049E-01	-5.725E-03	2.730E+02	8.774E+00	0.000E+00
3	3.000E+00	1.992E-01	-5.693E-03	2.927E+02	8.890E+00	0.000E+00
4	4.000E+00	1.936E-01	-5.658E-03	3.124E+02	9.006E+00	0.000E+00
5	5.000E+00	1.879E-01	-5.621E-03	3.322E+02	9.122E+00	0.000E+00
6	6.000E+00	1.824E-01	-5.582E-03	3.520E+02	9.238E+00	0.000E+00
7	7.000E+00	1.768E-01	-5.541E-03	3.718E+02	9.354E+00	0.000E+00
8	8.000E+00	1.713E-01	-5.497E-03	3.917E+02	9.470E+00	0.000E+00
9	9.000E+00	1.659E-01	-5.451E-03	4.116E+02	9.586E+00	0.000E+00
10	1.000E+01	1.605E-01	-5.402E-03	4.315E+02	9.702E+00	0.000E+00
11	1.100E+01	1.551E-01	-5.352E-03	4.514E+02	9.818E+00	0.000E+00
12	1.200E+01	1.498E-01	-5.299E-03	4.714E+02	9.934E+00	0.000E+00
13	1.300E+01	1.446E-01	-5.243E-03	4.913E+02	1.005E+01	0.000E+00
14	1.400E+01	1.394E-01	-5.185E-03	5.113E+02	1.017E+01	0.000E+00
15	1.500E+01	1.343E-01	-5.125E-03	5.313E+02	1.028E+01	0.000E+00
16	1.600E+01	1.292E-01	-5.063E-03	5.513E+02	1.040E+01	0.000E+00
17	1.700E+01	1.242E-01	-4.998E-03	5.712E+02	1.051E+01	0.000E+00
18	1.800E+01	1.193E-01	-4.930E-03	5.912E+02	1.063E+01	0.000E+00
19	1.900E+01	1.144E-01	-4.861E-03	6.111E+02	1.075E+01	0.000E+00
20	2.000E+01	1.096E-01	-4.789E-03	6.311E+02	1.086E+01	0.000E+00
21	2.100E+01	1.049E-01	-4.715E-03	6.509E+02	1.098E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.003E-01	-4.638E-03	6.708E+02	1.109E+01	0.000E+00
23	2.300E+01	9.571E-02	-4.559E-03	6.906E+02	1.121E+01	0.000E+00
24	2.400E+01	9.123E-02	-4.478E-03	7.104E+02	1.133E+01	0.000E+00
25	2.500E+01	8.683E-02	-4.394E-03	7.302E+02	1.144E+01	0.000E+00
26	2.600E+01	8.253E-02	-4.308E-03	7.499E+02	1.156E+01	0.000E+00
27	2.700E+01	7.831E-02	-4.220E-03	7.696E+02	1.167E+01	0.000E+00
28	2.800E+01	7.418E-02	-4.129E-03	7.892E+02	1.179E+01	0.000E+00
29	2.900E+01	7.014E-02	-4.036E-03	8.087E+02	1.191E+01	0.000E+00
30	3.000E+01	6.620E-02	-3.941E-03	8.282E+02	1.202E+01	0.000E+00
31	3.100E+01	6.236E-02	-3.844E-03	8.476E+02	1.214E+01	0.000E+00
32	3.200E+01	5.861E-02	-3.744E-03	8.669E+02	1.225E+01	0.000E+00
33	3.300E+01	5.497E-02	-3.642E-03	8.862E+02	1.237E+01	0.000E+00
34	3.400E+01	5.143E-02	-3.538E-03	9.054E+02	1.249E+01	0.000E+00
35	3.500E+01	4.800E-02	-3.431E-03	9.245E+02	1.260E+01	0.000E+00
36	3.600E+01	4.468E-02	-3.322E-03	9.435E+02	1.272E+01	0.000E+00
37	3.700E+01	4.147E-02	-3.211E-03	9.624E+02	1.283E+01	0.000E+00
38	3.800E+01	3.837E-02	-3.098E-03	9.812E+02	1.295E+01	0.000E+00
39	3.900E+01	3.539E-02	-2.982E-03	9.999E+02	1.307E+01	0.000E+00
40	4.000E+01	3.252E-02	-2.865E-03	1.018E+03	1.318E+01	0.000E+00
41	4.100E+01	2.978E-02	-2.745E-03	1.037E+03	1.330E+01	0.000E+00
42	4.200E+01	2.715E-02	-2.623E-03	1.055E+03	1.341E+01	0.000E+00
43	4.300E+01	2.466E-02	-2.499E-03	1.074E+03	1.353E+01	0.000E+00
44	4.400E+01	2.228E-02	-2.372E-03	1.092E+03	1.365E+01	0.000E+00
45	4.500E+01	2.004E-02	-2.244E-03	1.110E+03	1.376E+01	0.000E+00
46	4.600E+01	1.793E-02	-2.113E-03	1.128E+03	1.388E+01	0.000E+00
47	4.700E+01	1.595E-02	-1.980E-03	1.145E+03	1.399E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.410E-02	-1.846E-03	1.163E+03	1.411E+01	0.000E+00
49	4.900E+01	1.239E-02	-1.709E-03	1.180E+03	1.423E+01	0.000E+00
50	5.000E+01	1.082E-02	-1.570E-03	1.198E+03	1.434E+01	0.000E+00
51	5.100E+01	9.368E-03	-1.454E-03	1.215E+03	1.440E+01	0.000E+00
52	5.200E+01	8.013E-03	-1.355E-03	1.232E+03	1.440E+01	0.000E+00
53	5.300E+01	6.759E-03	-1.254E-03	1.249E+03	1.440E+01	0.000E+00
54	5.400E+01	5.608E-03	-1.152E-03	1.265E+03	1.440E+01	0.000E+00
55	5.500E+01	4.559E-03	-1.048E-03	1.282E+03	1.440E+01	0.000E+00
56	5.600E+01	3.616E-03	-9.434E-04	1.298E+03	1.440E+01	0.000E+00
57	5.700E+01	2.779E-03	-8.372E-04	1.314E+03	1.440E+01	0.000E+00
58	5.800E+01	2.049E-03	-7.297E-04	1.330E+03	1.440E+01	0.000E+00
59	5.900E+01	1.428E-03	-6.209E-04	1.345E+03	1.440E+01	0.000E+00
60	6.000E+01	9.175E-04	-5.108E-04	1.360E+03	1.440E+01	0.000E+00
61	6.100E+01	5.181E-04	-3.995E-04	1.376E+03	1.440E+01	0.000E+00
62	6.200E+01	2.312E-04	-2.869E-04	1.391E+03	1.440E+01	0.000E+00
63	6.300E+01	5.809E-05	-1.731E-04	1.405E+03	1.440E+01	0.000E+00
64	6.400E+01	0.000E+00	-5.809E-05	7.099E+02	-6.955E+02	-1.440E+01
65	6.500E+01	5.809E-05	5.809E-05	0.000E+00	-7.099E+02	0.000E+00



PROB (CONTD)

3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.222E-01		0	2.222E-01		999	0.000E+00		999	0.000E+00		999
0	2.164E-01		0	2.164E-01		999	1.169E+02		999	1.169E+02		999
1	2.106E-01		999	2.106E-01		0	2.534E+02		999	2.534E+02		999
2	2.049E-01		0	2.049E-01		999	2.730E+02		999	2.730E+02		999
3	1.992E-01		999	1.992E-01		0	2.927E+02		999	2.927E+02		999
4	1.936E-01		999	1.936E-01		0	3.124E+02		999	3.124E+02		999
5	1.879E-01		999	1.879E-01		0	3.322E+02		999	3.322E+02		999
6	1.824E-01		999	1.824E-01		0	3.520E+02		999	3.520E+02		999
7	1.768E-01		0	1.768E-01		999	3.718E+02		999	3.718E+02		999
8	1.713E-01		999	1.713E-01		0	3.917E+02		999	3.917E+02		999
9	1.659E-01		0	1.659E-01		999	4.116E+02		999	4.116E+02		999
10	1.605E-01		0	1.605E-01		999	4.315E+02		999	4.315E+02		999
11	1.551E-01		0	1.551E-01		999	4.514E+02		999	4.514E+02		999
12	1.498E-01		999	1.498E-01		0	4.714E+02		999	4.714E+02		999
13	1.446E-01		999	1.446E-01		0	4.913E+02		999	4.913E+02		999
14	1.394E-01		0	1.394E-01		999	5.113E+02		999	5.113E+02		999
15	1.343E-01		999	1.343E-01		0	5.313E+02		999	5.313E+02		999
16	1.292E-01		999	1.292E-01		0	5.513E+02		999	5.513E+02		999
17	1.242E-01		0	1.242E-01		999	5.712E+02		999	5.712E+02		999
18	1.193E-01		999	1.193E-01		0	5.912E+02		999	5.912E+02		999
19	1.144E-01		0	1.144E-01		999	6.111E+02		999	6.111E+02		999
20	1.096E-01		0	1.096E-01		999	6.311E+02		999	6.311E+02		999
21	1.049E-01		0	1.049E-01		999	6.509E+02		999	6.509E+02		999
22	1.003E-01		0	1.003E-01		999	6.708E+02		999	6.708E+02		999
23	9.571E-02		0	9.571E-02		999	6.906E+02		999	6.906E+02		999
24	9.123E-02		999	9.123E-02		0	7.104E+02		999	7.104E+02		999
25	8.683E-02		999	8.683E-02		0	7.302E+02		999	7.302E+02		999
26	8.253E-02		0	8.253E-02		999	7.499E+02		999	7.499E+02		999
27	7.831E-02		999	7.831E-02		0	7.696E+02		999	7.696E+02		999
28	7.418E-02		0	7.418E-02		999	7.892E+02		999	7.892E+02		999
29	7.014E-02		0	7.014E-02		999	8.087E+02		999	8.087E+02		999
30	6.620E-02		0	6.620E-02		999	8.282E+02		999	8.282E+02		999
31	6.236E-02		999	6.236E-02		0	8.476E+02		999	8.476E+02		999
32	5.861E-02		0	5.861E-02		999	8.669E+02		999	8.669E+02		999
33	5.497E-02		0	5.497E-02		999	8.862E+02		999	8.862E+02		999
34	5.143E-02		0	5.143E-02		999	9.054E+02		999	9.054E+02		999
35	4.800E-02		0	4.800E-02		999	9.245E+02		999	9.245E+02		999
36	4.468E-02		0	4.468E-02		999	9.435E+02		999	9.435E+02		999
37	4.147E-02		0	4.147E-02		999	9.624E+02		999	9.624E+02		999
38	3.837E-02		0	3.837E-02		999	9.812E+02		999	9.812E+02		999
39	3.539E-02		999	3.539E-02		0	9.999E+02		999	9.999E+02		999
40	3.252E-02		0	3.252E-02		999	1.018E+03		999	1.018E+03		999
41	2.978E-02		0	2.978E-02		999	1.037E+03		999	1.037E+03		999
42	2.715E-02		999	2.715E-02		0	1.055E+03		999	1.055E+03		999
43	2.466E-02		0	2.466E-02		999	1.074E+03		999	1.074E+03		999
44	2.228E-02		0	2.228E-02		999	1.092E+03		999	1.092E+03		999
45	2.004E-02		0	2.004E-02		999	1.110E+03		999	1.110E+03		999
46	1.793E-02		0	1.793E-02		999	1.128E+03		999	1.128E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	1.595E-02		0	1.595E-02		999	1.145E+03		999	1.145E+03		999
48	1.410E-02		0	1.410E-02		999	1.163E+03		999	1.163E+03		999
49	1.239E-02		999	1.239E-02		0	1.180E+03		999	1.180E+03		999
50	1.082E-02		999	1.082E-02		0	1.198E+03		999	1.198E+03		999
51	9.368E-03		999	9.368E-03		0	1.215E+03		999	1.215E+03		999
52	8.013E-03		0	8.013E-03		999	1.232E+03		999	1.232E+03		999
53	6.759E-03		999	6.759E-03		0	1.249E+03		999	1.249E+03		999
54	5.608E-03		0	5.608E-03		999	1.265E+03		999	1.265E+03		999
55	4.559E-03		999	4.559E-03		0	1.282E+03		999	1.282E+03		999
56	3.616E-03		999	3.616E-03		0	1.298E+03		999	1.298E+03		999
57	2.779E-03		0	2.779E-03		999	1.314E+03		999	1.314E+03		999
58	2.049E-03		999	2.049E-03		0	1.330E+03		999	1.330E+03		999
59	1.428E-03		0	1.428E-03		999	1.345E+03		999	1.345E+03		999
60	9.175E-04		0	9.175E-04		999	1.360E+03		999	1.360E+03		999
61	5.181E-04		0	5.181E-04		999	1.376E+03		999	1.376E+03		999
62	2.312E-04		999	2.312E-04		0	1.391E+03		999	1.391E+03		999
63	5.809E-05		999	5.809E-05		0	1.405E+03		999	1.405E+03		999
64	0.000E+00		999	0.000E+00		999	7.099E+02		999	7.099E+02		999
65	5.809E-05		999	5.809E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.169E+02 999	1.169E+02 999	0.000E+00 999	0.000E+00 999
0	1.256E+02 999	1.256E+02 999	0.000E+00 999	0.000E+00 999
1	8.774E+00 999	8.774E+00 999	0.000E+00 999	0.000E+00 999
2	8.890E+00 999	8.890E+00 999	0.000E+00 999	0.000E+00 999
3	9.006E+00 999	9.006E+00 999	0.000E+00 999	0.000E+00 999
4	9.122E+00 999	9.122E+00 999	0.000E+00 999	0.000E+00 999
5	9.238E+00 999	9.238E+00 999	0.000E+00 999	0.000E+00 999
6	9.354E+00 999	9.354E+00 999	0.000E+00 999	0.000E+00 999
7	9.470E+00 999	9.470E+00 999	0.000E+00 999	0.000E+00 999
8	9.586E+00 999	9.586E+00 999	0.000E+00 999	0.000E+00 999
9	9.702E+00 999	9.702E+00 999	0.000E+00 999	0.000E+00 999
10	9.818E+00 999	9.818E+00 999	0.000E+00 999	0.000E+00 999
11	9.934E+00 999	9.934E+00 999	0.000E+00 999	0.000E+00 999
12	1.005E+01 999	1.005E+01 999	0.000E+00 999	0.000E+00 999
13	1.017E+01 999	1.017E+01 999	0.000E+00 999	0.000E+00 999
14	1.028E+01 999	1.028E+01 999	0.000E+00 999	0.000E+00 999
15	1.040E+01 999	1.040E+01 999	0.000E+00 999	0.000E+00 999
16	1.051E+01 999	1.051E+01 999	0.000E+00 999	0.000E+00 999
17	1.063E+01 999	1.063E+01 999	0.000E+00 999	0.000E+00 999
18	1.075E+01 999	1.075E+01 999	0.000E+00 999	0.000E+00 999
19	1.086E+01 999	1.086E+01 999	0.000E+00 999	0.000E+00 999
20	1.098E+01 999	1.098E+01 999	0.000E+00 999	0.000E+00 999
21	1.109E+01 999	1.109E+01 999	0.000E+00 999	0.000E+00 999
22	1.121E+01 999	1.121E+01 999	0.000E+00 999	0.000E+00 999
23	1.133E+01 999	1.133E+01 999	0.000E+00 999	0.000E+00 999
24	1.144E+01 999	1.144E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	1.156E+01 999	1.156E+01 999	0.000E+00 999	0.000E+00 999
27	1.167E+01 999	1.167E+01 999	0.000E+00 999	0.000E+00 999
28	1.179E+01 999	1.179E+01 999	0.000E+00 999	0.000E+00 999
29	1.191E+01 999	1.191E+01 999	0.000E+00 999	0.000E+00 999
30	1.202E+01 999	1.202E+01 999	0.000E+00 999	0.000E+00 999
31	1.214E+01 999	1.214E+01 999	0.000E+00 999	0.000E+00 999
32	1.225E+01 999	1.225E+01 999	0.000E+00 999	0.000E+00 999
33	1.237E+01 999	1.237E+01 999	0.000E+00 999	0.000E+00 999
34	1.249E+01 999	1.249E+01 999	0.000E+00 999	0.000E+00 999
35	1.260E+01 999	1.260E+01 999	0.000E+00 999	0.000E+00 999
36	1.272E+01 999	1.272E+01 999	0.000E+00 999	0.000E+00 999
37	1.283E+01 999	1.283E+01 999	0.000E+00 999	0.000E+00 999
38	1.295E+01 999	1.295E+01 999	0.000E+00 999	0.000E+00 999
39	1.307E+01 999	1.307E+01 999	0.000E+00 999	0.000E+00 999
40	1.318E+01 999	1.318E+01 999	0.000E+00 999	0.000E+00 999
41	1.330E+01 999	1.330E+01 999	0.000E+00 999	0.000E+00 999
42	1.341E+01 999	1.341E+01 999	0.000E+00 999	0.000E+00 999
43	1.353E+01 999	1.353E+01 999	0.000E+00 999	0.000E+00 999
44	1.365E+01 999	1.365E+01 999	0.000E+00 999	0.000E+00 999
45	1.376E+01 999	1.376E+01 999	0.000E+00 999	0.000E+00 999
46	1.388E+01 999	1.388E+01 999	0.000E+00 999	0.000E+00 999
47	1.399E+01 999	1.399E+01 999	0.000E+00 999	0.000E+00 999
48	1.411E+01 999	1.411E+01 999	0.000E+00 999	0.000E+00 999
49	1.423E+01 999	1.423E+01 999	0.000E+00 999	0.000E+00 999
50	1.434E+01 999	1.434E+01 999	0.000E+00 999	0.000E+00 999
51	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
53	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
54	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
55	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
56	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
57	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
58	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
59	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
60	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
61	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
62	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
63	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
64	-6.955E+02 999	-6.955E+02 999	-1.440E+01 999	-1.440E+01 999
65	-7.099E+02 999	-7.099E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.530E+01	0.000E+00	3.737E+02	0.000E+00	-1.892E+03	
0	50	0	3.398E+07	2.160E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
4        Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	9.455E-02	-2.883E-03	0.000E+00	1.869E+02	0.000E+00
0	0.000E+00	9.167E-02	-2.872E-03	1.869E+02	2.423E+02	0.000E+00
1	1.000E+00	8.880E-02	-2.859E-03	4.345E+02	5.562E+01	0.000E+00
2	2.000E+00	8.594E-02	-2.845E-03	4.956E+02	5.584E+01	0.000E+00
3	3.000E+00	8.309E-02	-2.828E-03	5.568E+02	5.606E+01	0.000E+00
4	4.000E+00	8.027E-02	-2.810E-03	6.182E+02	5.627E+01	0.000E+00
5	5.000E+00	7.746E-02	-2.790E-03	6.798E+02	5.649E+01	0.000E+00
6	6.000E+00	7.467E-02	-2.768E-03	7.416E+02	5.670E+01	0.000E+00
7	7.000E+00	7.190E-02	-2.745E-03	8.035E+02	5.692E+01	0.000E+00
8	8.000E+00	6.915E-02	-2.719E-03	8.656E+02	5.714E+01	0.000E+00
9	9.000E+00	6.643E-02	-2.692E-03	9.279E+02	5.735E+01	0.000E+00
10	1.000E+01	6.374E-02	-2.663E-03	9.903E+02	5.757E+01	0.000E+00
11	1.100E+01	6.108E-02	-2.632E-03	1.053E+03	5.778E+01	0.000E+00
12	1.200E+01	5.845E-02	-2.599E-03	1.116E+03	5.800E+01	0.000E+00
13	1.300E+01	5.585E-02	-2.564E-03	1.179E+03	5.822E+01	0.000E+00
14	1.400E+01	5.328E-02	-2.528E-03	1.242E+03	5.843E+01	0.000E+00
15	1.500E+01	5.076E-02	-2.489E-03	1.305E+03	5.865E+01	0.000E+00
16	1.600E+01	4.827E-02	-2.449E-03	1.368E+03	5.886E+01	0.000E+00
17	1.700E+01	4.582E-02	-2.407E-03	1.432E+03	5.908E+01	0.000E+00
18	1.800E+01	4.341E-02	-2.363E-03	1.495E+03	5.930E+01	0.000E+00
19	1.900E+01	4.105E-02	-2.317E-03	1.559E+03	5.951E+01	0.000E+00
20	2.000E+01	3.873E-02	-2.269E-03	1.623E+03	5.973E+01	0.000E+00
21	2.100E+01	3.646E-02		1.687E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.424E-02	-2.219E-03	1.751E+03	5.994E+01	0.000E+00
23	2.300E+01	3.208E-02	-2.168E-03	1.815E+03	6.016E+01	0.000E+00
24	2.400E+01	2.996E-02	-2.115E-03	1.880E+03	6.038E+01	0.000E+00
25	2.500E+01	2.790E-02	-2.059E-03	1.944E+03	6.059E+01	0.000E+00
26	2.600E+01	2.590E-02	-2.002E-03	2.009E+03	6.081E+01	0.000E+00
27	2.700E+01	2.396E-02	-1.943E-03	2.074E+03	6.102E+01	0.000E+00
28	2.800E+01	2.208E-02	-1.882E-03	2.138E+03	6.124E+01	0.000E+00
29	2.900E+01	2.026E-02	-1.819E-03	2.203E+03	6.146E+01	0.000E+00
30	3.000E+01	1.850E-02	-1.754E-03	2.268E+03	6.167E+01	0.000E+00
31	3.100E+01	1.682E-02	-1.687E-03	2.333E+03	6.189E+01	0.000E+00
32	3.200E+01	1.520E-02	-1.619E-03	2.399E+03	6.210E+01	0.000E+00
33	3.300E+01	1.365E-02	-1.548E-03	2.464E+03	6.232E+01	0.000E+00
34	3.400E+01	1.217E-02	-1.476E-03	2.529E+03	6.254E+01	0.000E+00
35	3.500E+01	1.077E-02	-1.401E-03	2.595E+03	6.275E+01	0.000E+00
36	3.600E+01	9.447E-03	-1.325E-03	2.660E+03	6.297E+01	0.000E+00
37	3.700E+01	8.201E-03	-1.246E-03	2.726E+03	6.318E+01	0.000E+00
38	3.800E+01	7.034E-03	-1.166E-03	2.791E+03	6.340E+01	0.000E+00
39	3.900E+01	5.950E-03	-1.084E-03	2.857E+03	6.362E+01	0.000E+00
40	4.000E+01	4.950E-03	-1.000E-03	2.923E+03	6.383E+01	0.000E+00
41	4.100E+01	4.036E-03	-9.140E-04	2.988E+03	6.405E+01	0.000E+00
42	4.200E+01	3.210E-03	-8.261E-04	3.054E+03	6.426E+01	0.000E+00
43	4.300E+01	2.474E-03	-7.362E-04	3.120E+03	6.448E+01	0.000E+00
44	4.400E+01	1.829E-03	-6.444E-04	3.186E+03	6.470E+01	0.000E+00
45	4.500E+01	1.279E-03	-5.506E-04	3.252E+03	6.491E+01	0.000E+00
46	4.600E+01	8.239E-04	-4.549E-04	3.318E+03	6.513E+01	0.000E+00
47	4.700E+01	4.666E-04	-3.573E-04	3.384E+03	6.534E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.089E-04	-2.577E-04	3.450E+03	6.556E+01	0.000E+00
49	4.900E+01	5.271E-05	-1.562E-04	3.516E+03	6.578E+01	0.000E+00
50	5.000E+01	0.000E+00	-5.271E-05	1.791E+03	-1.725E+03	-6.610E+01
51	5.100E+01	5.271E-05	5.271E-05	0.000E+00	-1.791E+03	0.000E+00

PROB (CONTD)

4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	9.455E-02	999		9.455E-02	0		0.000E+00	999		0.000E+00	999	
0	9.167E-02	999		9.167E-02	0		1.869E+02	999		1.869E+02	999	
1	8.880E-02	999		8.880E-02	0		4.345E+02	999		4.345E+02	999	
2	8.594E-02	0		8.594E-02	999		4.956E+02	999		4.956E+02	999	
3	8.309E-02	0		8.309E-02	999		5.568E+02	999		5.568E+02	999	
4	8.027E-02	999		8.027E-02	0		6.182E+02	999		6.182E+02	999	
5	7.746E-02	999		7.746E-02	0		6.798E+02	999		6.798E+02	999	
6	7.467E-02	999		7.467E-02	0		7.416E+02	999		7.416E+02	999	
7	7.190E-02	0		7.190E-02	999		8.035E+02	999		8.035E+02	999	
8	6.915E-02	0		6.915E-02	999		8.656E+02	999		8.656E+02	999	
9	6.643E-02	0		6.643E-02	999		9.279E+02	999		9.279E+02	999	
10	6.374E-02	0		6.374E-02	999		9.903E+02	999		9.903E+02	999	
11	6.108E-02	999		6.108E-02	0		1.053E+03	999		1.053E+03	999	
12	5.845E-02	999		5.845E-02	0		1.116E+03	999		1.116E+03	999	
13	5.585E-02	999		5.585E-02	0		1.179E+03	999		1.179E+03	999	
14	5.328E-02	999		5.328E-02	0		1.242E+03	999		1.242E+03	999	
15	5.076E-02	999		5.076E-02	0		1.305E+03	999		1.305E+03	999	
16	4.827E-02	999		4.827E-02	0		1.368E+03	999		1.368E+03	999	
17	4.582E-02	999		4.582E-02	0		1.432E+03	999		1.432E+03	999	
18	4.341E-02	0		4.341E-02	999		1.495E+03	999		1.495E+03	999	
19	4.105E-02	0		4.105E-02	999		1.559E+03	999		1.559E+03	999	
20	3.873E-02	999		3.873E-02	0		1.623E+03	999		1.623E+03	999	
21	3.646E-02	999		3.646E-02	0		1.687E+03	999		1.687E+03	999	
22	3.424E-02	0		3.424E-02	999		1.751E+03	999		1.751E+03	999	
23	3.208E-02	999		3.208E-02	0		1.815E+03	999		1.815E+03	999	
24	2.996E-02	0		2.996E-02	999		1.880E+03	999		1.880E+03	999	
25	2.790E-02	0		2.790E-02	999		1.944E+03	999		1.944E+03	999	
26	2.590E-02	999		2.590E-02	0		2.009E+03	999		2.009E+03	999	
27	2.396E-02	0		2.396E-02	999		2.074E+03	999		2.074E+03	999	
28	2.208E-02	0		2.208E-02	999		2.138E+03	999		2.138E+03	999	
29	2.026E-02	0		2.026E-02	999		2.203E+03	999		2.203E+03	999	
30	1.850E-02	0		1.850E-02	999		2.268E+03	999		2.268E+03	999	
31	1.682E-02	999		1.682E-02	0		2.333E+03	999		2.333E+03	999	
32	1.520E-02	0		1.520E-02	999		2.399E+03	999		2.399E+03	999	
33	1.365E-02	999		1.365E-02	0		2.464E+03	999		2.464E+03	999	
34	1.217E-02	0		1.217E-02	999		2.529E+03	999		2.529E+03	999	
35	1.077E-02	999		1.077E-02	0		2.595E+03	999		2.595E+03	999	
36	9.447E-03	0		9.447E-03	999		2.660E+03	999		2.660E+03	999	
37	8.201E-03	0		8.201E-03	999		2.726E+03	999		2.726E+03	999	
38	7.034E-03	999		7.034E-03	0		2.791E+03	999		2.791E+03	999	
39	5.950E-03	999		5.950E-03	0		2.857E+03	999		2.857E+03	999	
40	4.950E-03	999		4.950E-03	0		2.923E+03	999		2.923E+03	999	
41	4.036E-03	999		4.036E-03	0		2.988E+03	999		2.988E+03	999	
42	3.210E-03	999		3.210E-03	0		3.054E+03	999		3.054E+03	999	
43	2.474E-03	0		2.474E-03	999		3.120E+03	999		3.120E+03	999	
44	1.829E-03	999		1.829E-03	0		3.186E+03	999		3.186E+03	999	
45	1.279E-03	999		1.279E-03	0		3.252E+03	999		3.252E+03	999	
46	8.239E-04	0		8.239E-04	999		3.318E+03	999		3.318E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.666E-04		0	4.666E-04		999	3.384E+03		999	3.384E+03		999
48	2.089E-04		999	2.089E-04		0	3.450E+03		999	3.450E+03		999
49	5.271E-05		0	5.271E-05		999	3.516E+03		999	3.516E+03		999
50	0.000E+00		999	0.000E+00		999	1.791E+03		999	1.791E+03		999
51	5.271E-05		0	5.271E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.869E+02 999	1.869E+02 999	0.000E+00 999	0.000E+00 999
1	2.423E+02 999	2.423E+02 999	0.000E+00 999	0.000E+00 999
2	5.562E+01 999	5.562E+01 999	0.000E+00 999	0.000E+00 999
3	5.584E+01 999	5.584E+01 999	0.000E+00 999	0.000E+00 999
4	5.606E+01 999	5.606E+01 999	0.000E+00 999	0.000E+00 999
5	5.627E+01 999	5.627E+01 999	0.000E+00 999	0.000E+00 999
6	5.649E+01 999	5.649E+01 999	0.000E+00 999	0.000E+00 999
7	5.670E+01 999	5.670E+01 999	0.000E+00 999	0.000E+00 999
8	5.692E+01 999	5.692E+01 999	0.000E+00 999	0.000E+00 999
9	5.714E+01 999	5.714E+01 999	0.000E+00 999	0.000E+00 999
10	5.735E+01 999	5.735E+01 999	0.000E+00 999	0.000E+00 999
11	5.757E+01 999	5.757E+01 999	0.000E+00 999	0.000E+00 999
12	5.778E+01 999	5.778E+01 999	0.000E+00 999	0.000E+00 999
13	5.800E+01 999	5.800E+01 999	0.000E+00 999	0.000E+00 999
14	5.822E+01 999	5.822E+01 999	0.000E+00 999	0.000E+00 999
15	5.843E+01 999	5.843E+01 999	0.000E+00 999	0.000E+00 999
16	5.865E+01 999	5.865E+01 999	0.000E+00 999	0.000E+00 999
17	5.886E+01 999	5.886E+01 999	0.000E+00 999	0.000E+00 999
18	5.908E+01 999	5.908E+01 999	0.000E+00 999	0.000E+00 999
19	5.930E+01 999	5.930E+01 999	0.000E+00 999	0.000E+00 999
20	5.951E+01 999	5.951E+01 999	0.000E+00 999	0.000E+00 999
21	5.973E+01 999	5.973E+01 999	0.000E+00 999	0.000E+00 999
22	5.994E+01 999	5.994E+01 999	0.000E+00 999	0.000E+00 999
23	6.016E+01 999	6.016E+01 999	0.000E+00 999	0.000E+00 999
24	6.038E+01 999	6.038E+01 999	0.000E+00 999	0.000E+00 999
25	6.059E+01 999	6.059E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.081E+01 999	6.081E+01 999	0.000E+00 999	0.000E+00 999
27	6.102E+01 999	6.102E+01 999	0.000E+00 999	0.000E+00 999
28	6.124E+01 999	6.124E+01 999	0.000E+00 999	0.000E+00 999
29	6.146E+01 999	6.146E+01 999	0.000E+00 999	0.000E+00 999
30	6.167E+01 999	6.167E+01 999	0.000E+00 999	0.000E+00 999
31	6.189E+01 999	6.189E+01 999	0.000E+00 999	0.000E+00 999
32	6.210E+01 999	6.210E+01 999	0.000E+00 999	0.000E+00 999
33	6.232E+01 999	6.232E+01 999	0.000E+00 999	0.000E+00 999
34	6.254E+01 999	6.254E+01 999	0.000E+00 999	0.000E+00 999
35	6.275E+01 999	6.275E+01 999	0.000E+00 999	0.000E+00 999
36	6.297E+01 999	6.297E+01 999	0.000E+00 999	0.000E+00 999
37	6.318E+01 999	6.318E+01 999	0.000E+00 999	0.000E+00 999
38	6.340E+01 999	6.340E+01 999	0.000E+00 999	0.000E+00 999
39	6.362E+01 999	6.362E+01 999	0.000E+00 999	0.000E+00 999
40	6.383E+01 999	6.383E+01 999	0.000E+00 999	0.000E+00 999
41	6.405E+01 999	6.405E+01 999	0.000E+00 999	0.000E+00 999
42	6.426E+01 999	6.426E+01 999	0.000E+00 999	0.000E+00 999
43	6.448E+01 999	6.448E+01 999	0.000E+00 999	0.000E+00 999
44	6.470E+01 999	6.470E+01 999	0.000E+00 999	0.000E+00 999
45	6.491E+01 999	6.491E+01 999	0.000E+00 999	0.000E+00 999
46	6.513E+01 999	6.513E+01 999	0.000E+00 999	0.000E+00 999
47	6.534E+01 999	6.534E+01 999	0.000E+00 999	0.000E+00 999
48	6.556E+01 999	6.556E+01 999	0.000E+00 999	0.000E+00 999
49	6.578E+01 999	6.578E+01 999	0.000E+00 999	0.000E+00 999
50	-1.725E+03 999	-1.725E+03 999	-6.610E+01 999	-6.610E+01 999
51	-1.791E+03 999	-1.791E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED





TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.710E+01	0.000E+00	2.860E+02	0.000E+00	-1.892E+03
0	50	0	8.496E+06	2.240E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.892E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
5        Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.813E-01		0.000E+00		0.000E+00
0	0.000E+00	3.717E-01	-9.694E-03	1.430E+02	1.430E+02	0.000E+00
1	1.000E+00	3.620E-01	-9.660E-03	3.215E+02	1.602E+02	0.000E+00
2	2.000E+00	3.524E-01	-9.622E-03	3.571E+02	1.744E+01	0.000E+00
3	3.000E+00	3.428E-01	-9.580E-03	3.929E+02	1.766E+01	0.000E+00
4	4.000E+00	3.333E-01	-9.534E-03	4.288E+02	1.788E+01	0.000E+00
5	5.000E+00	3.238E-01	-9.484E-03	4.649E+02	1.811E+01	0.000E+00
6	6.000E+00	3.143E-01	-9.429E-03	5.010E+02	1.833E+01	0.000E+00
7	7.000E+00	3.050E-01	-9.370E-03	5.373E+02	1.856E+01	0.000E+00
8	8.000E+00	2.957E-01	-9.307E-03	5.737E+02	1.878E+01	0.000E+00
9	9.000E+00	2.864E-01	-9.239E-03	6.102E+02	1.900E+01	0.000E+00
10	1.000E+01	2.773E-01	-9.167E-03	6.467E+02	1.923E+01	0.000E+00
11	1.100E+01	2.682E-01	-9.091E-03	6.834E+02	1.945E+01	0.000E+00
12	1.200E+01	2.592E-01	-9.011E-03	7.201E+02	1.968E+01	0.000E+00
13	1.300E+01	2.502E-01	-8.926E-03	7.569E+02	1.990E+01	0.000E+00
14	1.400E+01	2.414E-01	-8.837E-03	7.937E+02	2.012E+01	0.000E+00
15	1.500E+01	2.327E-01	-8.743E-03	8.306E+02	2.035E+01	0.000E+00
16	1.600E+01	2.240E-01	-8.646E-03	8.675E+02	2.057E+01	0.000E+00
17	1.700E+01	2.155E-01	-8.544E-03	9.045E+02	2.080E+01	0.000E+00
18	1.800E+01	2.070E-01	-8.437E-03	9.415E+02	2.102E+01	0.000E+00
19	1.900E+01	1.987E-01	-8.326E-03	9.785E+02	2.124E+01	0.000E+00
20	2.000E+01	1.905E-01	-8.211E-03	1.015E+03	2.147E+01	0.000E+00
21	2.100E+01	1.824E-01	-8.092E-03	1.052E+03	2.169E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.744E-01	-7.968E-03	1.089E+03	2.192E+01	0.000E+00
23	2.300E+01	1.666E-01	-7.839E-03	1.126E+03	2.214E+01	0.000E+00
24	2.400E+01	1.589E-01	-7.707E-03	1.163E+03	2.236E+01	0.000E+00
25	2.500E+01	1.513E-01	-7.570E-03	1.200E+03	2.259E+01	0.000E+00
26	2.600E+01	1.439E-01	-7.429E-03	1.237E+03	2.281E+01	0.000E+00
27	2.700E+01	1.366E-01	-7.283E-03	1.274E+03	2.304E+01	0.000E+00
28	2.800E+01	1.295E-01	-7.133E-03	1.274E+03	2.326E+01	0.000E+00
29	2.900E+01	1.225E-01	-6.979E-03	1.311E+03	2.348E+01	0.000E+00
30	2.900E+01	1.225E-01	-6.820E-03	1.347E+03	2.371E+01	0.000E+00
31	3.000E+01	1.157E-01	-6.657E-03	1.384E+03	2.393E+01	0.000E+00
32	3.100E+01	1.090E-01	-6.490E-03	1.421E+03	2.416E+01	0.000E+00
33	3.200E+01	1.025E-01	-6.319E-03	1.457E+03	2.438E+01	0.000E+00
34	3.300E+01	9.620E-02	-6.143E-03	1.493E+03	2.460E+01	0.000E+00
35	3.400E+01	9.006E-02	-5.963E-03	1.530E+03	2.483E+01	0.000E+00
36	3.500E+01	8.410E-02	-5.779E-03	1.566E+03	2.505E+01	0.000E+00
37	3.600E+01	7.832E-02	-5.590E-03	1.602E+03	2.528E+01	0.000E+00
38	3.700E+01	7.273E-02	-5.397E-03	1.637E+03	2.550E+01	0.000E+00
39	3.800E+01	6.733E-02	-5.200E-03	1.673E+03	2.572E+01	0.000E+00
40	3.900E+01	6.213E-02	-5.000E-03	1.709E+03	2.595E+01	0.000E+00
41	4.000E+01	5.713E-02	-4.999E-03	1.744E+03	2.617E+01	0.000E+00
42	4.100E+01	5.234E-02	-4.794E-03	1.779E+03	2.640E+01	0.000E+00
43	4.200E+01	4.775E-02	-4.585E-03	1.814E+03	2.662E+01	0.000E+00
44	4.300E+01	4.338E-02	-4.371E-03	1.849E+03	2.684E+01	0.000E+00
45	4.400E+01	3.923E-02	-4.153E-03	1.884E+03	2.707E+01	0.000E+00
46	4.500E+01	3.530E-02	-3.932E-03	1.919E+03	2.729E+01	0.000E+00
47	4.600E+01	3.159E-02	-3.706E-03	1.953E+03	2.752E+01	0.000E+00
48	4.700E+01	2.812E-02	-3.476E-03	1.987E+03	2.775E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.487E-02	-3.242E-03	2.021E+03	2.774E+01	0.000E+00
49	4.900E+01	2.187E-02	-3.004E-03	2.054E+03	2.796E+01	0.000E+00
50	5.000E+01	1.911E-02	-2.762E-03	2.088E+03	2.819E+01	0.000E+00
51	5.100E+01	1.655E-02	-2.561E-03	2.121E+03	2.830E+01	0.000E+00
52	5.200E+01	1.416E-02	-2.387E-03	2.154E+03	2.830E+01	0.000E+00
53	5.300E+01	1.195E-02	-2.211E-03	2.186E+03	2.830E+01	0.000E+00
54	5.400E+01	9.917E-03	-2.032E-03	2.218E+03	2.830E+01	0.000E+00
55	5.500E+01	8.066E-03	-1.851E-03	2.250E+03	2.830E+01	0.000E+00
56	5.600E+01	6.400E-03	-1.666E-03	2.282E+03	2.830E+01	0.000E+00
57	5.700E+01	4.920E-03	-1.480E-03	2.313E+03	2.830E+01	0.000E+00
58	5.800E+01	3.630E-03	-1.290E-03	2.344E+03	2.830E+01	0.000E+00
59	5.900E+01	2.531E-03	-1.099E-03	2.374E+03	2.830E+01	0.000E+00
60	6.000E+01	1.626E-03	-9.044E-04	2.404E+03	2.830E+01	0.000E+00
61	6.100E+01	9.187E-04	-7.077E-04	2.434E+03	2.830E+01	0.000E+00
62	6.200E+01	4.101E-04	-5.086E-04	2.463E+03	2.830E+01	0.000E+00
63	6.300E+01	1.031E-04	-3.070E-04	2.492E+03	2.830E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.031E-04	1.260E+03	-1.232E+03	-2.830E+01
65	6.500E+01	1.031E-04	1.031E-04	0.000E+00	-1.260E+03	0.000E+00

PROB (CONTD)

5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.813E-01		0	3.813E-01		999	0.000E+00		999	0.000E+00		999
0	3.717E-01		0	3.717E-01		999	1.430E+02		999	1.430E+02		999
1	3.620E-01		0	3.620E-01		999	3.215E+02		999	3.215E+02		999
2	3.524E-01		999	3.524E-01		0	3.571E+02		999	3.571E+02		999
3	3.428E-01		0	3.428E-01		999	3.929E+02		999	3.929E+02		999
4	3.333E-01		0	3.333E-01		999	4.288E+02		999	4.288E+02		999
5	3.238E-01		0	3.238E-01		999	4.649E+02		999	4.649E+02		999
6	3.143E-01		0	3.143E-01		999	5.010E+02		999	5.010E+02		999
7	3.050E-01		0	3.050E-01		999	5.373E+02		999	5.373E+02		999
8	2.957E-01		0	2.957E-01		999	5.737E+02		999	5.737E+02		999
9	2.864E-01		0	2.864E-01		999	6.102E+02		999	6.102E+02		999
10	2.773E-01		999	2.773E-01		0	6.467E+02		999	6.467E+02		999
11	2.682E-01		999	2.682E-01		0	6.834E+02		999	6.834E+02		999
12	2.592E-01		999	2.592E-01		0	7.201E+02		999	7.201E+02		999
13	2.502E-01		999	2.502E-01		0	7.569E+02		999	7.569E+02		999
14	2.414E-01		0	2.414E-01		999	7.937E+02		999	7.937E+02		999
15	2.327E-01		0	2.327E-01		999	8.306E+02		999	8.306E+02		999
16	2.240E-01		0	2.240E-01		999	8.675E+02		999	8.675E+02		999
17	2.155E-01		999	2.155E-01		0	9.045E+02		999	9.045E+02		999
18	2.070E-01		0	2.070E-01		999	9.415E+02		999	9.415E+02		999
19	1.987E-01		0	1.987E-01		999	9.785E+02		999	9.785E+02		999
20	1.905E-01		999	1.905E-01		0	1.015E+03		999	1.015E+03		999
21	1.824E-01		999	1.824E-01		0	1.052E+03		999	1.052E+03		999
22	1.744E-01		999	1.744E-01		0	1.089E+03		999	1.089E+03		999
23	1.666E-01		0	1.666E-01		999	1.126E+03		999	1.126E+03		999
24	1.589E-01		0	1.589E-01		999	1.163E+03		999	1.163E+03		999
25	1.513E-01		999	1.513E-01		0	1.200E+03		999	1.200E+03		999
26	1.439E-01		999	1.439E-01		0	1.237E+03		999	1.237E+03		999
27	1.366E-01		999	1.366E-01		0	1.274E+03		999	1.274E+03		999
28	1.295E-01		999	1.295E-01		0	1.311E+03		999	1.311E+03		999
29	1.225E-01		0	1.225E-01		999	1.347E+03		999	1.347E+03		999
30	1.157E-01		999	1.157E-01		0	1.384E+03		999	1.384E+03		999
31	1.090E-01		0	1.090E-01		999	1.421E+03		999	1.421E+03		999
32	1.025E-01		999	1.025E-01		0	1.457E+03		999	1.457E+03		999
33	9.620E-02		0	9.620E-02		999	1.493E+03		999	1.493E+03		999
34	9.006E-02		999	9.006E-02		0	1.530E+03		999	1.530E+03		999
35	8.410E-02		0	8.410E-02		999	1.566E+03		999	1.566E+03		999
36	7.832E-02		0	7.832E-02		999	1.602E+03		999	1.602E+03		999
37	7.273E-02		0	7.273E-02		999	1.637E+03		999	1.637E+03		999
38	6.733E-02		0	6.733E-02		999	1.673E+03		999	1.673E+03		999
39	6.213E-02		999	6.213E-02		0	1.709E+03		999	1.709E+03		999
40	5.713E-02		0	5.713E-02		999	1.744E+03		999	1.744E+03		999
41	5.234E-02		999	5.234E-02		0	1.779E+03		999	1.779E+03		999
42	4.775E-02		0	4.775E-02		999	1.814E+03		999	1.814E+03		999
43	4.338E-02		999	4.338E-02		0	1.849E+03		999	1.849E+03		999
44	3.923E-02		999	3.923E-02		0	1.884E+03		999	1.884E+03		999
45	3.530E-02		0	3.530E-02		999	1.919E+03		999	1.919E+03		999
46	3.159E-02		0	3.159E-02		999	1.953E+03		999	1.953E+03		999



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.812E-02		0	2.812E-02		999	1.987E+03		999	1.987E+03		999
48	2.487E-02		0	2.487E-02		999	2.021E+03		999	2.021E+03		999
49	2.187E-02		999	2.187E-02		0	2.054E+03		999	2.054E+03		999
50	1.911E-02		0	1.911E-02		999	2.088E+03		999	2.088E+03		999
51	1.655E-02		999	1.655E-02		0	2.121E+03		999	2.121E+03		999
52	1.416E-02		0	1.416E-02		999	2.154E+03		999	2.154E+03		999
53	1.195E-02		999	1.195E-02		0	2.186E+03		999	2.186E+03		999
54	9.917E-03		999	9.917E-03		0	2.218E+03		999	2.218E+03		999
55	8.066E-03		999	8.066E-03		0	2.250E+03		999	2.250E+03		999
56	6.400E-03		999	6.400E-03		0	2.282E+03		999	2.282E+03		999
57	4.920E-03		999	4.920E-03		0	2.313E+03		999	2.313E+03		999
58	3.630E-03		999	3.630E-03		0	2.344E+03		999	2.344E+03		999
59	2.531E-03		999	2.531E-03		0	2.374E+03		999	2.374E+03		999
60	1.626E-03		0	1.626E-03		999	2.404E+03		999	2.404E+03		999
61	9.187E-04		999	9.187E-04		0	2.434E+03		999	2.434E+03		999
62	4.101E-04		0	4.101E-04		999	2.463E+03		999	2.463E+03		999
63	1.031E-04		999	1.031E-04		0	2.492E+03		999	2.492E+03		999
64	0.000E+00		999	0.000E+00		999	1.260E+03		999	1.260E+03		999
65	1.031E-04		999	1.031E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.430E+02 999	1.430E+02 999	0.000E+00 999	0.000E+00 999
1	1.602E+02 999	1.602E+02 999	0.000E+00 999	0.000E+00 999
2	1.744E+01 999	1.744E+01 999	0.000E+00 999	0.000E+00 999
3	1.766E+01 999	1.766E+01 999	0.000E+00 999	0.000E+00 999
4	1.788E+01 999	1.788E+01 999	0.000E+00 999	0.000E+00 999
5	1.811E+01 999	1.811E+01 999	0.000E+00 999	0.000E+00 999
6	1.833E+01 999	1.833E+01 999	0.000E+00 999	0.000E+00 999
7	1.856E+01 999	1.856E+01 999	0.000E+00 999	0.000E+00 999
8	1.878E+01 999	1.878E+01 999	0.000E+00 999	0.000E+00 999
9	1.900E+01 999	1.900E+01 999	0.000E+00 999	0.000E+00 999
10	1.923E+01 999	1.923E+01 999	0.000E+00 999	0.000E+00 999
11	1.945E+01 999	1.945E+01 999	0.000E+00 999	0.000E+00 999
12	1.968E+01 999	1.968E+01 999	0.000E+00 999	0.000E+00 999
13	1.990E+01 999	1.990E+01 999	0.000E+00 999	0.000E+00 999
14	2.012E+01 999	2.012E+01 999	0.000E+00 999	0.000E+00 999
15	2.035E+01 999	2.035E+01 999	0.000E+00 999	0.000E+00 999
16	2.057E+01 999	2.057E+01 999	0.000E+00 999	0.000E+00 999
17	2.080E+01 999	2.080E+01 999	0.000E+00 999	0.000E+00 999
18	2.102E+01 999	2.102E+01 999	0.000E+00 999	0.000E+00 999
19	2.124E+01 999	2.124E+01 999	0.000E+00 999	0.000E+00 999
20	2.147E+01 999	2.147E+01 999	0.000E+00 999	0.000E+00 999
21	2.169E+01 999	2.169E+01 999	0.000E+00 999	0.000E+00 999
22	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
23	2.214E+01 999	2.214E+01 999	0.000E+00 999	0.000E+00 999
24	2.236E+01 999	2.236E+01 999	0.000E+00 999	0.000E+00 999
25	2.259E+01 999	2.259E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.281E+01 999	2.281E+01 999	0.000E+00 999	0.000E+00 999
27	2.304E+01 999	2.304E+01 999	0.000E+00 999	0.000E+00 999
28	2.326E+01 999	2.326E+01 999	0.000E+00 999	0.000E+00 999
29	2.348E+01 999	2.348E+01 999	0.000E+00 999	0.000E+00 999
30	2.371E+01 999	2.371E+01 999	0.000E+00 999	0.000E+00 999
31	2.393E+01 999	2.393E+01 999	0.000E+00 999	0.000E+00 999
32	2.416E+01 999	2.416E+01 999	0.000E+00 999	0.000E+00 999
33	2.438E+01 999	2.438E+01 999	0.000E+00 999	0.000E+00 999
34	2.460E+01 999	2.460E+01 999	0.000E+00 999	0.000E+00 999
35	2.483E+01 999	2.483E+01 999	0.000E+00 999	0.000E+00 999
36	2.505E+01 999	2.505E+01 999	0.000E+00 999	0.000E+00 999
37	2.528E+01 999	2.528E+01 999	0.000E+00 999	0.000E+00 999
38	2.550E+01 999	2.550E+01 999	0.000E+00 999	0.000E+00 999
39	2.572E+01 999	2.572E+01 999	0.000E+00 999	0.000E+00 999
40	2.595E+01 999	2.595E+01 999	0.000E+00 999	0.000E+00 999
41	2.617E+01 999	2.617E+01 999	0.000E+00 999	0.000E+00 999
42	2.640E+01 999	2.640E+01 999	0.000E+00 999	0.000E+00 999
43	2.662E+01 999	2.662E+01 999	0.000E+00 999	0.000E+00 999
44	2.684E+01 999	2.684E+01 999	0.000E+00 999	0.000E+00 999
45	2.707E+01 999	2.707E+01 999	0.000E+00 999	0.000E+00 999
46	2.729E+01 999	2.729E+01 999	0.000E+00 999	0.000E+00 999
47	2.752E+01 999	2.752E+01 999	0.000E+00 999	0.000E+00 999
48	2.774E+01 999	2.774E+01 999	0.000E+00 999	0.000E+00 999
49	2.796E+01 999	2.796E+01 999	0.000E+00 999	0.000E+00 999
50	2.819E+01 999	2.819E+01 999	0.000E+00 999	0.000E+00 999
51	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
53	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
54	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
55	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
56	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
57	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
58	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
59	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
60	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
61	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
62	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
63	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
64	-1.232E+03 999	-1.232E+03 999	-2.830E+01 999	-2.830E+01 999
65	-1.260E+03 999	-1.260E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS			
		STA	STA	STA	STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.140E+01	0.000E+00	3.482E+02	0.000E+00	-1.892E+03	
0	50	0	3.398E+07	1.940E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                                    HIGHWAY    PD-            CONTROL-            CODED  
NO            COUNTY                    NO            IPE    SECTION-JOB            BY            DATE  
          Any                                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010            (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
6            Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	8.775E-02		0.000E+00		0.000E+00
0	0.000E+00	8.507E-02	-2.677E-03	1.741E+02	1.741E+02	0.000E+00
1	1.000E+00	8.241E-02	-2.666E-03	4.047E+02	2.256E+02	0.000E+00
2	2.000E+00	7.975E-02	-2.654E-03	4.615E+02	5.169E+01	0.000E+00
3	3.000E+00	7.711E-02	-2.641E-03	5.183E+02	5.189E+01	0.000E+00
4	4.000E+00	7.449E-02	-2.626E-03	5.754E+02	5.208E+01	0.000E+00
5	5.000E+00	7.188E-02	-2.609E-03	6.326E+02	5.227E+01	0.000E+00
6	6.000E+00	6.929E-02	-2.590E-03	6.900E+02	5.247E+01	0.000E+00
7	7.000E+00	6.672E-02	-2.570E-03	7.475E+02	5.266E+01	0.000E+00
8	8.000E+00	6.417E-02	-2.548E-03	8.051E+02	5.286E+01	0.000E+00
9	9.000E+00	6.165E-02	-2.524E-03	8.630E+02	5.305E+01	0.000E+00
10	1.000E+01	5.915E-02	-2.499E-03	9.209E+02	5.324E+01	0.000E+00
11	1.100E+01	5.668E-02	-2.472E-03	9.791E+02	5.344E+01	0.000E+00
12	1.200E+01	5.423E-02	-2.443E-03	1.037E+03	5.363E+01	0.000E+00
13	1.300E+01	5.182E-02	-2.412E-03	1.096E+03	5.383E+01	0.000E+00
14	1.400E+01	4.944E-02	-2.380E-03	1.154E+03	5.402E+01	0.000E+00
15	1.500E+01	4.709E-02	-2.346E-03	1.213E+03	5.421E+01	0.000E+00
16	1.600E+01	4.478E-02	-2.310E-03	1.272E+03	5.441E+01	0.000E+00
17	1.700E+01	4.251E-02	-2.273E-03	1.331E+03	5.460E+01	0.000E+00
18	1.800E+01	4.028E-02	-2.234E-03	1.390E+03	5.479E+01	0.000E+00
19	1.900E+01	3.809E-02	-2.193E-03	1.449E+03	5.499E+01	0.000E+00
20	2.000E+01	3.594E-02	-2.150E-03	1.508E+03	5.518E+01	0.000E+00
21	2.100E+01	3.383E-02	-2.106E-03	1.567E+03	5.538E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.177E-02	-2.060E-03	1.627E+03	5.557E+01	0.000E+00
23	2.300E+01	2.976E-02	-2.012E-03	1.686E+03	5.577E+01	0.000E+00
24	2.400E+01	2.780E-02	-1.962E-03	1.746E+03	5.596E+01	0.000E+00
25	2.500E+01	2.588E-02	-1.911E-03	1.806E+03	5.615E+01	0.000E+00
26	2.600E+01	2.403E-02	-1.858E-03	1.866E+03	5.635E+01	0.000E+00
27	2.700E+01	2.222E-02	-1.803E-03	1.926E+03	5.654E+01	0.000E+00
28	2.800E+01	2.048E-02	-1.746E-03	1.986E+03	5.674E+01	0.000E+00
29	2.900E+01	2.048E-02	-1.688E-03	2.046E+03	5.693E+01	0.000E+00
30	3.000E+01	1.879E-02	-1.627E-03	2.106E+03	5.712E+01	0.000E+00
31	3.100E+01	1.716E-02	-1.565E-03	2.166E+03	5.732E+01	0.000E+00
32	3.200E+01	1.560E-02	-1.502E-03	2.227E+03	5.751E+01	0.000E+00
33	3.300E+01	1.410E-02	-1.436E-03	2.287E+03	5.770E+01	0.000E+00
34	3.400E+01	1.266E-02	-1.369E-03	2.347E+03	5.790E+01	0.000E+00
35	3.500E+01	1.129E-02	-1.300E-03	2.408E+03	5.809E+01	0.000E+00
36	3.600E+01	9.991E-03	-1.229E-03	2.469E+03	5.829E+01	0.000E+00
37	3.700E+01	8.762E-03	-1.156E-03	2.529E+03	5.848E+01	0.000E+00
38	3.800E+01	7.606E-03	-1.082E-03	2.590E+03	5.868E+01	0.000E+00
39	3.900E+01	6.524E-03	-1.006E-03	2.651E+03	5.887E+01	0.000E+00
40	4.000E+01	5.519E-03	-9.276E-04	2.712E+03	5.906E+01	0.000E+00
41	4.100E+01	4.591E-03	-8.478E-04	2.772E+03	5.926E+01	0.000E+00
42	4.200E+01	3.743E-03	-7.662E-04	2.833E+03	5.945E+01	0.000E+00
43	4.300E+01	2.977E-03	-6.828E-04	2.894E+03	5.964E+01	0.000E+00
44	4.400E+01	2.294E-03	-5.976E-04	2.955E+03	5.984E+01	0.000E+00
45	4.500E+01	1.697E-03	-5.107E-04	3.016E+03	6.003E+01	0.000E+00
46	4.600E+01	1.186E-03	-4.219E-04	3.077E+03	6.023E+01	0.000E+00
47	4.700E+01	7.640E-04	-3.313E-04	3.138E+03	6.042E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.937E-04	-2.390E-04	3.199E+03	6.061E+01	0.000E+00
49	4.900E+01	4.888E-05	-1.448E-04	3.261E+03	6.081E+01	0.000E+00
50	5.000E+01	0.000E+00	-4.888E-05	1.661E+03	-1.600E+03	-6.110E+01
51	5.100E+01	4.888E-05	4.888E-05	0.000E+00	-1.661E+03	0.000E+00

PROB (CONTD)

6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	8.775E-02		0	8.775E-02		999	0.000E+00		999	0.000E+00		999
0	8.507E-02		999	8.507E-02		0	1.741E+02		999	1.741E+02		999
1	8.241E-02		0	8.241E-02		999	4.047E+02		999	4.047E+02		999
2	7.975E-02		999	7.975E-02		0	4.615E+02		999	4.615E+02		999
3	7.711E-02		999	7.711E-02		0	5.183E+02		999	5.183E+02		999
4	7.449E-02		999	7.449E-02		0	5.754E+02		999	5.754E+02		999
5	7.188E-02		999	7.188E-02		0	6.326E+02		999	6.326E+02		999
6	6.929E-02		999	6.929E-02		0	6.900E+02		999	6.900E+02		999
7	6.672E-02		999	6.672E-02		0	7.475E+02		999	7.475E+02		999
8	6.417E-02		999	6.417E-02		0	8.051E+02		999	8.051E+02		999
9	6.165E-02		999	6.165E-02		0	8.630E+02		999	8.630E+02		999
10	5.915E-02		0	5.915E-02		999	9.209E+02		999	9.209E+02		999
11	5.668E-02		0	5.668E-02		999	9.791E+02		999	9.791E+02		999
12	5.423E-02		0	5.423E-02		999	1.037E+03		999	1.037E+03		999
13	5.182E-02		999	5.182E-02		0	1.096E+03		999	1.096E+03		999
14	4.944E-02		0	4.944E-02		999	1.154E+03		999	1.154E+03		999
15	4.709E-02		0	4.709E-02		999	1.213E+03		999	1.213E+03		999
16	4.478E-02		0	4.478E-02		999	1.272E+03		999	1.272E+03		999
17	4.251E-02		0	4.251E-02		999	1.331E+03		999	1.331E+03		999
18	4.028E-02		999	4.028E-02		0	1.390E+03		999	1.390E+03		999
19	3.809E-02		0	3.809E-02		999	1.449E+03		999	1.449E+03		999
20	3.594E-02		0	3.594E-02		999	1.508E+03		999	1.508E+03		999
21	3.383E-02		999	3.383E-02		0	1.567E+03		999	1.567E+03		999
22	3.177E-02		999	3.177E-02		0	1.627E+03		999	1.627E+03		999
23	2.976E-02		999	2.976E-02		0	1.686E+03		999	1.686E+03		999
24	2.780E-02		999	2.780E-02		0	1.746E+03		999	1.746E+03		999
25	2.588E-02		999	2.588E-02		0	1.806E+03		999	1.806E+03		999
26	2.403E-02		0	2.403E-02		999	1.866E+03		999	1.866E+03		999
27	2.222E-02		0	2.222E-02		999	1.926E+03		999	1.926E+03		999
28	2.048E-02		999	2.048E-02		0	1.986E+03		999	1.986E+03		999
29	1.879E-02		999	1.879E-02		0	2.046E+03		999	2.046E+03		999
30	1.716E-02		999	1.716E-02		0	2.106E+03		999	2.106E+03		999
31	1.560E-02		0	1.560E-02		999	2.166E+03		999	2.166E+03		999
32	1.410E-02		999	1.410E-02		0	2.227E+03		999	2.227E+03		999
33	1.266E-02		0	1.266E-02		999	2.287E+03		999	2.287E+03		999
34	1.129E-02		0	1.129E-02		999	2.347E+03		999	2.347E+03		999
35	9.991E-03		0	9.991E-03		999	2.408E+03		999	2.408E+03		999
36	8.762E-03		999	8.762E-03		0	2.469E+03		999	2.469E+03		999
37	7.606E-03		999	7.606E-03		0	2.529E+03		999	2.529E+03		999
38	6.524E-03		0	6.524E-03		999	2.590E+03		999	2.590E+03		999
39	5.519E-03		999	5.519E-03		0	2.651E+03		999	2.651E+03		999
40	4.591E-03		999	4.591E-03		0	2.712E+03		999	2.712E+03		999
41	3.743E-03		0	3.743E-03		999	2.772E+03		999	2.772E+03		999
42	2.977E-03		999	2.977E-03		0	2.833E+03		999	2.833E+03		999
43	2.294E-03		999	2.294E-03		0	2.894E+03		999	2.894E+03		999
44	1.697E-03		999	1.697E-03		0	2.955E+03		999	2.955E+03		999
45	1.186E-03		0	1.186E-03		999	3.016E+03		999	3.016E+03		999
46	7.640E-04		999	7.640E-04		0	3.077E+03		999	3.077E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.327E-04		0	4.327E-04		999	3.138E+03		999	3.138E+03		999
48	1.937E-04		0	1.937E-04		999	3.199E+03		999	3.199E+03		999
49	4.888E-05		999	4.888E-05		0	3.261E+03		999	3.261E+03		999
50	0.000E+00		999	0.000E+00		999	1.661E+03		999	1.661E+03		999
51	4.888E-05		999	4.888E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.741E+02 999	1.741E+02 999	0.000E+00 999	0.000E+00 999
1	2.256E+02 999	2.256E+02 999	0.000E+00 999	0.000E+00 999
2	5.169E+01 999	5.169E+01 999	0.000E+00 999	0.000E+00 999
3	5.189E+01 999	5.189E+01 999	0.000E+00 999	0.000E+00 999
4	5.208E+01 999	5.208E+01 999	0.000E+00 999	0.000E+00 999
5	5.227E+01 999	5.227E+01 999	0.000E+00 999	0.000E+00 999
6	5.247E+01 999	5.247E+01 999	0.000E+00 999	0.000E+00 999
7	5.266E+01 999	5.266E+01 999	0.000E+00 999	0.000E+00 999
8	5.286E+01 999	5.286E+01 999	0.000E+00 999	0.000E+00 999
9	5.305E+01 999	5.305E+01 999	0.000E+00 999	0.000E+00 999
10	5.324E+01 999	5.324E+01 999	0.000E+00 999	0.000E+00 999
11	5.344E+01 999	5.344E+01 999	0.000E+00 999	0.000E+00 999
12	5.363E+01 999	5.363E+01 999	0.000E+00 999	0.000E+00 999
13	5.383E+01 999	5.383E+01 999	0.000E+00 999	0.000E+00 999
14	5.402E+01 999	5.402E+01 999	0.000E+00 999	0.000E+00 999
15	5.421E+01 999	5.421E+01 999	0.000E+00 999	0.000E+00 999
16	5.441E+01 999	5.441E+01 999	0.000E+00 999	0.000E+00 999
17	5.460E+01 999	5.460E+01 999	0.000E+00 999	0.000E+00 999
18	5.479E+01 999	5.479E+01 999	0.000E+00 999	0.000E+00 999
19	5.499E+01 999	5.499E+01 999	0.000E+00 999	0.000E+00 999
20	5.518E+01 999	5.518E+01 999	0.000E+00 999	0.000E+00 999
21	5.538E+01 999	5.538E+01 999	0.000E+00 999	0.000E+00 999
22	5.557E+01 999	5.557E+01 999	0.000E+00 999	0.000E+00 999
23	5.577E+01 999	5.577E+01 999	0.000E+00 999	0.000E+00 999
24	5.596E+01 999	5.596E+01 999	0.000E+00 999	0.000E+00 999
25	5.615E+01 999	5.615E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.635E+01 999	5.635E+01 999	0.000E+00 999	0.000E+00 999
27	5.654E+01 999	5.654E+01 999	0.000E+00 999	0.000E+00 999
28	5.674E+01 999	5.674E+01 999	0.000E+00 999	0.000E+00 999
29	5.693E+01 999	5.693E+01 999	0.000E+00 999	0.000E+00 999
30	5.712E+01 999	5.712E+01 999	0.000E+00 999	0.000E+00 999
31	5.732E+01 999	5.732E+01 999	0.000E+00 999	0.000E+00 999
32	5.751E+01 999	5.751E+01 999	0.000E+00 999	0.000E+00 999
33	5.770E+01 999	5.770E+01 999	0.000E+00 999	0.000E+00 999
34	5.790E+01 999	5.790E+01 999	0.000E+00 999	0.000E+00 999
35	5.809E+01 999	5.809E+01 999	0.000E+00 999	0.000E+00 999
36	5.829E+01 999	5.829E+01 999	0.000E+00 999	0.000E+00 999
37	5.848E+01 999	5.848E+01 999	0.000E+00 999	0.000E+00 999
38	5.868E+01 999	5.868E+01 999	0.000E+00 999	0.000E+00 999
39	5.887E+01 999	5.887E+01 999	0.000E+00 999	0.000E+00 999
40	5.906E+01 999	5.906E+01 999	0.000E+00 999	0.000E+00 999
41	5.926E+01 999	5.926E+01 999	0.000E+00 999	0.000E+00 999
42	5.945E+01 999	5.945E+01 999	0.000E+00 999	0.000E+00 999
43	5.964E+01 999	5.964E+01 999	0.000E+00 999	0.000E+00 999
44	5.984E+01 999	5.984E+01 999	0.000E+00 999	0.000E+00 999
45	6.003E+01 999	6.003E+01 999	0.000E+00 999	0.000E+00 999
46	6.023E+01 999	6.023E+01 999	0.000E+00 999	0.000E+00 999
47	6.042E+01 999	6.042E+01 999	0.000E+00 999	0.000E+00 999
48	6.061E+01 999	6.061E+01 999	0.000E+00 999	0.000E+00 999
49	6.081E+01 999	6.081E+01 999	0.000E+00 999	0.000E+00 999
50	-1.600E+03 999	-1.600E+03 999	-6.110E+01 999	-6.110E+01 999
51	-1.661E+03 999	-1.661E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
 7 Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.300E+01	0.000E+00	3.210E+02	0.000E+00	-1.892E+03
0	50	0	8.496E+06	3.170E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.892E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
 7        Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	4.967E-01		0.000E+00		0.000E+00
0	0.000E+00	4.842E-01	-1.252E-02	1.605E+02	1.605E+02	0.000E+00
1	1.000E+00	4.718E-01	-1.248E-02	3.678E+02	1.837E+02	0.000E+00
2	2.000E+00	4.593E-01	-1.243E-02	4.148E+02	2.348E+01	0.000E+00
3	3.000E+00	4.469E-01	-1.239E-02	4.620E+02	2.379E+01	0.000E+00
4	4.000E+00	4.346E-01	-1.233E-02	5.094E+02	2.411E+01	0.000E+00
5	5.000E+00	4.223E-01	-1.227E-02	5.571E+02	2.443E+01	0.000E+00
6	6.000E+00	4.101E-01	-1.221E-02	6.049E+02	2.474E+01	0.000E+00
7	7.000E+00	3.980E-01	-1.213E-02	6.529E+02	2.506E+01	0.000E+00
8	8.000E+00	3.859E-01	-1.206E-02	7.011E+02	2.538E+01	0.000E+00
9	9.000E+00	3.740E-01	-1.198E-02	7.494E+02	2.569E+01	0.000E+00
10	1.000E+01	3.621E-01	-1.189E-02	7.979E+02	2.601E+01	0.000E+00
11	1.100E+01	3.503E-01	-1.179E-02	8.466E+02	2.633E+01	0.000E+00
12	1.200E+01	3.386E-01	-1.169E-02	8.953E+02	2.665E+01	0.000E+00
13	1.300E+01	3.270E-01	-1.159E-02	9.442E+02	2.696E+01	0.000E+00
14	1.400E+01	3.155E-01	-1.148E-02	9.932E+02	2.728E+01	0.000E+00
15	1.500E+01	3.042E-01	-1.136E-02	1.042E+03	2.760E+01	0.000E+00
16	1.600E+01	2.929E-01	-1.124E-02	1.091E+03	2.791E+01	0.000E+00
17	1.700E+01	2.818E-01	-1.111E-02	1.141E+03	2.823E+01	0.000E+00
18	1.800E+01	2.708E-01	-1.098E-02	1.190E+03	2.855E+01	0.000E+00
19	1.900E+01	2.600E-01	-1.083E-02	1.239E+03	2.886E+01	0.000E+00
20	2.000E+01	2.493E-01	-1.069E-02	1.289E+03	2.918E+01	0.000E+00
21	2.100E+01	2.388E-01	-1.054E-02	1.338E+03	2.950E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.284E-01	-1.038E-02	1.388E+03	2.982E+01	0.000E+00
23	2.300E+01	2.182E-01	-1.022E-02	1.437E+03	3.013E+01	0.000E+00
24	2.400E+01	2.081E-01	-1.005E-02	1.487E+03	3.045E+01	0.000E+00
25	2.500E+01	1.983E-01	-9.872E-03	1.536E+03	3.077E+01	0.000E+00
26	2.600E+01	1.886E-01	-9.692E-03	1.585E+03	3.108E+01	0.000E+00
27	2.700E+01	1.791E-01	-9.505E-03	1.635E+03	3.140E+01	0.000E+00
28	2.800E+01	1.697E-01	-9.313E-03	1.684E+03	3.172E+01	0.000E+00
29	2.900E+01	1.606E-01	-9.114E-03	1.733E+03	3.203E+01	0.000E+00
30	3.000E+01	1.517E-01	-8.910E-03	1.783E+03	3.235E+01	0.000E+00
31	3.100E+01	1.430E-01	-8.701E-03	1.832E+03	3.267E+01	0.000E+00
32	3.200E+01	1.345E-01	-8.485E-03	1.881E+03	3.299E+01	0.000E+00
33	3.300E+01	1.263E-01	-8.264E-03	1.930E+03	3.330E+01	0.000E+00
34	3.400E+01	1.182E-01	-8.036E-03	1.979E+03	3.362E+01	0.000E+00
35	3.500E+01	1.104E-01	-7.804E-03	2.027E+03	3.394E+01	0.000E+00
36	3.600E+01	1.029E-01	-7.565E-03	2.076E+03	3.425E+01	0.000E+00
37	3.700E+01	9.554E-02	-7.321E-03	2.124E+03	3.457E+01	0.000E+00
38	3.800E+01	8.847E-02	-7.071E-03	2.172E+03	3.489E+01	0.000E+00
39	3.900E+01	8.166E-02	-6.815E-03	2.221E+03	3.520E+01	0.000E+00
40	4.000E+01	7.510E-02	-6.554E-03	2.268E+03	3.552E+01	0.000E+00
41	4.100E+01	6.882E-02	-6.287E-03	2.316E+03	3.584E+01	0.000E+00
42	4.200E+01	6.280E-02	-6.014E-03	2.364E+03	3.616E+01	0.000E+00
43	4.300E+01	5.707E-02	-5.736E-03	2.411E+03	3.647E+01	0.000E+00
44	4.400E+01	5.161E-02	-5.452E-03	2.458E+03	3.679E+01	0.000E+00
45	4.500E+01	4.645E-02	-5.163E-03	2.505E+03	3.711E+01	0.000E+00
46	4.600E+01	4.158E-02	-4.868E-03	2.552E+03	3.742E+01	0.000E+00
47	4.700E+01	3.702E-02	-4.567E-03	2.598E+03	3.774E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.275E-02	-4.262E-03	2.644E+03	3.806E+01	0.000E+00
49	4.900E+01	2.880E-02	-3.950E-03	2.690E+03	3.837E+01	0.000E+00
50	5.000E+01	2.517E-02	-3.634E-03	2.736E+03	3.869E+01	0.000E+00
51	5.100E+01	2.180E-02	-3.370E-03	2.781E+03	3.885E+01	0.000E+00
52	5.200E+01	1.866E-02	-3.142E-03	2.826E+03	3.885E+01	0.000E+00
53	5.300E+01	1.575E-02	-2.911E-03	2.870E+03	3.885E+01	0.000E+00
54	5.400E+01	1.307E-02	-2.676E-03	2.914E+03	3.885E+01	0.000E+00
55	5.500E+01	1.063E-02	-2.438E-03	2.957E+03	3.885E+01	0.000E+00
56	5.600E+01	8.438E-03	-2.196E-03	3.000E+03	3.885E+01	0.000E+00
57	5.700E+01	6.488E-03	-1.950E-03	3.043E+03	3.885E+01	0.000E+00
58	5.800E+01	4.787E-03	-1.701E-03	3.085E+03	3.885E+01	0.000E+00
59	5.900E+01	3.339E-03	-1.449E-03	3.127E+03	3.885E+01	0.000E+00
60	6.000E+01	2.146E-03	-1.193E-03	3.168E+03	3.885E+01	0.000E+00
61	6.100E+01	1.212E-03	-9.336E-04	3.208E+03	3.885E+01	0.000E+00
62	6.200E+01	5.413E-04	-6.710E-04	3.248E+03	3.885E+01	0.000E+00
63	6.300E+01	1.361E-04	-4.052E-04	3.288E+03	3.885E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.361E-04	1.664E+03	-1.625E+03	-3.885E+01
65	6.500E+01	1.361E-04	1.361E-04	0.000E+00	-1.664E+03	0.000E+00

PROB (CONTD)

7 Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	4.967E-01		0	4.967E-01		999	0.000E+00		999	0.000E+00		999
0	4.842E-01		0	4.842E-01		999	1.605E+02		999	1.605E+02		999
1	4.718E-01		0	4.718E-01		999	3.678E+02		999	3.678E+02		999
2	4.593E-01		999	4.593E-01		0	4.148E+02		999	4.148E+02		999
3	4.469E-01		999	4.469E-01		0	4.620E+02		999	4.620E+02		999
4	4.346E-01		999	4.346E-01		0	5.094E+02		999	5.094E+02		999
5	4.223E-01		999	4.223E-01		0	5.571E+02		999	5.571E+02		999
6	4.101E-01		999	4.101E-01		0	6.049E+02		999	6.049E+02		999
7	3.980E-01		999	3.980E-01		0	6.529E+02		999	6.529E+02		999
8	3.859E-01		0	3.859E-01		999	7.011E+02		999	7.011E+02		999
9	3.740E-01		999	3.740E-01		0	7.494E+02		999	7.494E+02		999
10	3.621E-01		0	3.621E-01		999	7.979E+02		999	7.979E+02		999
11	3.503E-01		999	3.503E-01		0	8.466E+02		999	8.466E+02		999
12	3.386E-01		999	3.386E-01		0	8.953E+02		999	8.953E+02		999
13	3.270E-01		0	3.270E-01		999	9.442E+02		999	9.442E+02		999
14	3.155E-01		0	3.155E-01		999	9.932E+02		999	9.932E+02		999
15	3.042E-01		0	3.042E-01		999	1.042E+03		999	1.042E+03		999
16	2.929E-01		0	2.929E-01		999	1.091E+03		999	1.091E+03		999
17	2.818E-01		0	2.818E-01		999	1.141E+03		999	1.141E+03		999
18	2.708E-01		0	2.708E-01		999	1.190E+03		999	1.190E+03		999
19	2.600E-01		999	2.600E-01		0	1.239E+03		999	1.239E+03		999
20	2.493E-01		999	2.493E-01		0	1.289E+03		999	1.289E+03		999
21	2.388E-01		999	2.388E-01		0	1.338E+03		999	1.338E+03		999
22	2.284E-01		999	2.284E-01		0	1.388E+03		999	1.388E+03		999
23	2.182E-01		999	2.182E-01		0	1.437E+03		999	1.437E+03		999
24	2.081E-01		999	2.081E-01		0	1.487E+03		999	1.487E+03		999
25	1.983E-01		0	1.983E-01		999	1.536E+03		999	1.536E+03		999
26	1.886E-01		0	1.886E-01		999	1.585E+03		999	1.585E+03		999
27	1.791E-01		0	1.791E-01		999	1.635E+03		999	1.635E+03		999
28	1.697E-01		0	1.697E-01		999	1.684E+03		999	1.684E+03		999
29	1.606E-01		999	1.606E-01		0	1.733E+03		999	1.733E+03		999
30	1.517E-01		0	1.517E-01		999	1.783E+03		999	1.783E+03		999
31	1.430E-01		999	1.430E-01		0	1.832E+03		999	1.832E+03		999
32	1.345E-01		0	1.345E-01		999	1.881E+03		999	1.881E+03		999
33	1.263E-01		999	1.263E-01		0	1.930E+03		999	1.930E+03		999
34	1.182E-01		0	1.182E-01		999	1.979E+03		999	1.979E+03		999
35	1.104E-01		999	1.104E-01		0	2.027E+03		999	2.027E+03		999
36	1.029E-01		999	1.029E-01		0	2.076E+03		999	2.076E+03		999
37	9.554E-02		0	9.554E-02		999	2.124E+03		999	2.124E+03		999
38	8.847E-02		999	8.847E-02		0	2.172E+03		999	2.172E+03		999
39	8.166E-02		999	8.166E-02		0	2.221E+03		999	2.221E+03		999
40	7.510E-02		999	7.510E-02		0	2.268E+03		999	2.268E+03		999
41	6.882E-02		999	6.882E-02		0	2.316E+03		999	2.316E+03		999
42	6.280E-02		999	6.280E-02		0	2.364E+03		999	2.364E+03		999
43	5.707E-02		0	5.707E-02		999	2.411E+03		999	2.411E+03		999
44	5.161E-02		999	5.161E-02		0	2.458E+03		999	2.458E+03		999
45	4.645E-02		999	4.645E-02		0	2.505E+03		999	2.505E+03		999
46	4.158E-02		999	4.158E-02		0	2.552E+03		999	2.552E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.702E-02	999		3.702E-02	0		2.598E+03	999		2.598E+03	999	
48	3.275E-02	999		3.275E-02	0		2.644E+03	999		2.644E+03	999	
49	2.880E-02	999		2.880E-02	0		2.690E+03	999		2.690E+03	999	
50	2.517E-02	999		2.517E-02	0		2.736E+03	999		2.736E+03	999	
51	2.180E-02	999		2.180E-02	0		2.781E+03	999		2.781E+03	999	
52	1.866E-02	999		1.866E-02	0		2.826E+03	999		2.826E+03	999	
53	1.575E-02	0		1.575E-02	999		2.870E+03	999		2.870E+03	999	
54	1.307E-02	0		1.307E-02	999		2.914E+03	999		2.914E+03	999	
55	1.063E-02	999		1.063E-02	0		2.957E+03	999		2.957E+03	999	
56	8.438E-03	999		8.438E-03	0		3.000E+03	999		3.000E+03	999	
57	6.488E-03	999		6.488E-03	0		3.043E+03	999		3.043E+03	999	
58	4.787E-03	0		4.787E-03	999		3.085E+03	999		3.085E+03	999	
59	3.339E-03	0		3.339E-03	999		3.127E+03	999		3.127E+03	999	
60	2.146E-03	999		2.146E-03	0		3.168E+03	999		3.168E+03	999	
61	1.212E-03	999		1.212E-03	0		3.208E+03	999		3.208E+03	999	
62	5.413E-04	999		5.413E-04	0		3.248E+03	999		3.248E+03	999	
63	1.361E-04	0		1.361E-04	999		3.288E+03	999		3.288E+03	999	
64	0.000E+00	999		0.000E+00	999		1.664E+03	999		1.664E+03	999	
65	1.361E-04	0		1.361E-04	999		0.000E+00	999		0.000E+00	999	



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.605E+02 999	1.605E+02 999	0.000E+00 999	0.000E+00 999
0	1.837E+02 999	1.837E+02 999	0.000E+00 999	0.000E+00 999
1	2.348E+01 999	2.348E+01 999	0.000E+00 999	0.000E+00 999
2	2.379E+01 999	2.379E+01 999	0.000E+00 999	0.000E+00 999
3	2.411E+01 999	2.411E+01 999	0.000E+00 999	0.000E+00 999
4	2.443E+01 999	2.443E+01 999	0.000E+00 999	0.000E+00 999
5	2.474E+01 999	2.474E+01 999	0.000E+00 999	0.000E+00 999
6	2.506E+01 999	2.506E+01 999	0.000E+00 999	0.000E+00 999
7	2.538E+01 999	2.538E+01 999	0.000E+00 999	0.000E+00 999
8	2.569E+01 999	2.569E+01 999	0.000E+00 999	0.000E+00 999
9	2.601E+01 999	2.601E+01 999	0.000E+00 999	0.000E+00 999
10	2.633E+01 999	2.633E+01 999	0.000E+00 999	0.000E+00 999
11	2.665E+01 999	2.665E+01 999	0.000E+00 999	0.000E+00 999
12	2.696E+01 999	2.696E+01 999	0.000E+00 999	0.000E+00 999
13	2.728E+01 999	2.728E+01 999	0.000E+00 999	0.000E+00 999
14	2.760E+01 999	2.760E+01 999	0.000E+00 999	0.000E+00 999
15	2.791E+01 999	2.791E+01 999	0.000E+00 999	0.000E+00 999
16	2.823E+01 999	2.823E+01 999	0.000E+00 999	0.000E+00 999
17	2.855E+01 999	2.855E+01 999	0.000E+00 999	0.000E+00 999
18	2.886E+01 999	2.886E+01 999	0.000E+00 999	0.000E+00 999
19	2.918E+01 999	2.918E+01 999	0.000E+00 999	0.000E+00 999
20	2.950E+01 999	2.950E+01 999	0.000E+00 999	0.000E+00 999
21	2.982E+01 999	2.982E+01 999	0.000E+00 999	0.000E+00 999
22	3.013E+01 999	3.013E+01 999	0.000E+00 999	0.000E+00 999
23	3.045E+01 999	3.045E+01 999	0.000E+00 999	0.000E+00 999
24	3.077E+01 999	3.077E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.108E+01 999	3.108E+01 999	0.000E+00 999	0.000E+00 999
27	3.140E+01 999	3.140E+01 999	0.000E+00 999	0.000E+00 999
28	3.172E+01 999	3.172E+01 999	0.000E+00 999	0.000E+00 999
29	3.203E+01 999	3.203E+01 999	0.000E+00 999	0.000E+00 999
30	3.235E+01 999	3.235E+01 999	0.000E+00 999	0.000E+00 999
31	3.267E+01 999	3.267E+01 999	0.000E+00 999	0.000E+00 999
32	3.299E+01 999	3.299E+01 999	0.000E+00 999	0.000E+00 999
33	3.330E+01 999	3.330E+01 999	0.000E+00 999	0.000E+00 999
34	3.362E+01 999	3.362E+01 999	0.000E+00 999	0.000E+00 999
35	3.394E+01 999	3.394E+01 999	0.000E+00 999	0.000E+00 999
36	3.425E+01 999	3.425E+01 999	0.000E+00 999	0.000E+00 999
37	3.457E+01 999	3.457E+01 999	0.000E+00 999	0.000E+00 999
38	3.489E+01 999	3.489E+01 999	0.000E+00 999	0.000E+00 999
39	3.520E+01 999	3.520E+01 999	0.000E+00 999	0.000E+00 999
40	3.552E+01 999	3.552E+01 999	0.000E+00 999	0.000E+00 999
41	3.584E+01 999	3.584E+01 999	0.000E+00 999	0.000E+00 999
42	3.616E+01 999	3.616E+01 999	0.000E+00 999	0.000E+00 999
43	3.647E+01 999	3.647E+01 999	0.000E+00 999	0.000E+00 999
44	3.679E+01 999	3.679E+01 999	0.000E+00 999	0.000E+00 999
45	3.711E+01 999	3.711E+01 999	0.000E+00 999	0.000E+00 999
46	3.742E+01 999	3.742E+01 999	0.000E+00 999	0.000E+00 999
47	3.774E+01 999	3.774E+01 999	0.000E+00 999	0.000E+00 999
48	3.806E+01 999	3.806E+01 999	0.000E+00 999	0.000E+00 999
49	3.837E+01 999	3.837E+01 999	0.000E+00 999	0.000E+00 999
50	3.869E+01 999	3.869E+01 999	0.000E+00 999	0.000E+00 999
51	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
53	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
54	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
55	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
56	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
57	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
58	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
59	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
60	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
61	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
62	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
63	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
64	-1.625E+03 999	-1.625E+03 999	-3.885E+01 999	-3.885E+01 999
65	-1.664E+03 999	-1.664E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	4.140E+01	0.000E+00	2.802E+02	0.000E+00	-1.892E+03	
0	50	0	3.398E+07	1.580E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY    PD-        CONTROL-        CODED  
 NO            COUNTY            NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
 8            Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	7.071E-02		0.000E+00		0.000E+00
0	0.000E+00	6.855E-02	-2.157E-03	1.401E+02	1.401E+02	0.000E+00
1	1.000E+00	6.641E-02	-2.148E-03	3.257E+02	1.816E+02	0.000E+00
2	2.000E+00	6.427E-02	-2.139E-03	3.714E+02	4.164E+01	0.000E+00
3	3.000E+00	6.214E-02	-2.128E-03	4.172E+02	4.180E+01	0.000E+00
4	4.000E+00	6.002E-02	-2.116E-03	4.632E+02	4.195E+01	0.000E+00
5	5.000E+00	5.792E-02	-2.102E-03	5.093E+02	4.211E+01	0.000E+00
6	6.000E+00	5.584E-02	-2.087E-03	5.555E+02	4.227E+01	0.000E+00
7	7.000E+00	5.376E-02	-2.071E-03	6.018E+02	4.243E+01	0.000E+00
8	8.000E+00	5.171E-02	-2.053E-03	6.483E+02	4.259E+01	0.000E+00
9	9.000E+00	4.968E-02	-2.034E-03	6.949E+02	4.274E+01	0.000E+00
10	1.000E+01	4.766E-02	-2.013E-03	7.416E+02	4.290E+01	0.000E+00
11	1.100E+01	4.567E-02	-1.991E-03	7.884E+02	4.306E+01	0.000E+00
12	1.200E+01	4.370E-02	-1.968E-03	8.354E+02	4.322E+01	0.000E+00
13	1.300E+01	4.176E-02	-1.944E-03	8.824E+02	4.337E+01	0.000E+00
14	1.400E+01	3.984E-02	-1.918E-03	9.296E+02	4.353E+01	0.000E+00
15	1.500E+01	3.795E-02	-1.890E-03	9.769E+02	4.369E+01	0.000E+00
16	1.600E+01	3.609E-02	-1.862E-03	1.024E+03	4.385E+01	0.000E+00
17	1.700E+01	3.426E-02	-1.831E-03	1.072E+03	4.401E+01	0.000E+00
18	1.800E+01	3.246E-02	-1.800E-03	1.119E+03	4.416E+01	0.000E+00
19	1.900E+01	3.069E-02	-1.767E-03	1.167E+03	4.432E+01	0.000E+00
20	2.000E+01	2.896E-02	-1.733E-03	1.215E+03	4.448E+01	0.000E+00
21	2.100E+01	2.726E-02	-1.697E-03	1.263E+03	4.464E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.560E-02	-1.660E-03	1.310E+03	4.480E+01	0.000E+00
23	2.300E+01	2.398E-02	-1.621E-03	1.358E+03	4.495E+01	0.000E+00
24	2.400E+01	2.240E-02	-1.581E-03	1.407E+03	4.511E+01	0.000E+00
25	2.500E+01	2.086E-02	-1.540E-03	1.455E+03	4.527E+01	0.000E+00
26	2.600E+01	1.936E-02	-1.497E-03	1.503E+03	4.543E+01	0.000E+00
27	2.700E+01	1.791E-02	-1.453E-03	1.551E+03	4.559E+01	0.000E+00
28	2.800E+01	1.650E-02	-1.407E-03	1.600E+03	4.575E+01	0.000E+00
29	2.900E+01	1.514E-02	-1.360E-03	1.648E+03	4.590E+01	0.000E+00
30	3.000E+01	1.383E-02	-1.312E-03	1.697E+03	4.606E+01	0.000E+00
31	3.100E+01	1.257E-02	-1.262E-03	1.745E+03	4.622E+01	0.000E+00
32	3.200E+01	1.136E-02	-1.210E-03	1.794E+03	4.638E+01	0.000E+00
33	3.300E+01	1.020E-02	-1.157E-03	1.843E+03	4.653E+01	0.000E+00
34	3.400E+01	9.100E-03	-1.103E-03	1.892E+03	4.669E+01	0.000E+00
35	3.500E+01	8.053E-03	-1.048E-03	1.940E+03	4.685E+01	0.000E+00
36	3.600E+01	7.062E-03	-9.904E-04	1.989E+03	4.701E+01	0.000E+00
37	3.700E+01	6.130E-03	-9.319E-04	2.038E+03	4.717E+01	0.000E+00
38	3.800E+01	5.259E-03	-8.719E-04	2.087E+03	4.733E+01	0.000E+00
39	3.900E+01	4.448E-03	-8.105E-04	2.136E+03	4.748E+01	0.000E+00
40	4.000E+01	3.700E-03	-7.476E-04	2.185E+03	4.764E+01	0.000E+00
41	4.100E+01	3.017E-03	-6.833E-04	2.234E+03	4.780E+01	0.000E+00
42	4.200E+01	2.400E-03	-6.175E-04	2.283E+03	4.796E+01	0.000E+00
43	4.300E+01	1.849E-03	-5.503E-04	2.333E+03	4.812E+01	0.000E+00
44	4.400E+01	1.368E-03	-4.817E-04	2.382E+03	4.827E+01	0.000E+00
45	4.500E+01	9.559E-04	-4.116E-04	2.431E+03	4.843E+01	0.000E+00
46	4.600E+01	6.158E-04	-3.401E-04	2.480E+03	4.859E+01	0.000E+00
47	4.700E+01	3.488E-04	-2.671E-04	2.530E+03	4.875E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.561E-04	-1.926E-04	2.579E+03	4.891E+01	0.000E+00
49	4.900E+01	3.940E-05	-1.167E-04	2.628E+03	4.906E+01	0.000E+00
50	5.000E+01	0.000E+00	-3.940E-05	1.339E+03	-1.289E+03	-4.930E+01
51	5.100E+01	3.940E-05	3.940E-05	0.000E+00	-1.339E+03	0.000E+00

PROB (CONTD)

8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	7.071E-02	999		7.071E-02	0		0.000E+00	999		0.000E+00	999	
0	6.855E-02	999		6.855E-02	0		1.401E+02	999		1.401E+02	999	
1	6.641E-02	0		6.641E-02	999		3.257E+02	999		3.257E+02	999	
2	6.427E-02	999		6.427E-02	0		3.714E+02	999		3.714E+02	999	
3	6.214E-02	0		6.214E-02	999		4.172E+02	999		4.172E+02	999	
4	6.002E-02	0		6.002E-02	999		4.632E+02	999		4.632E+02	999	
5	5.792E-02	0		5.792E-02	999		5.093E+02	999		5.093E+02	999	
6	5.584E-02	0		5.584E-02	999		5.555E+02	999		5.555E+02	999	
7	5.376E-02	0		5.376E-02	999		6.018E+02	999		6.018E+02	999	
8	5.171E-02	0		5.171E-02	999		6.483E+02	999		6.483E+02	999	
9	4.968E-02	999		4.968E-02	0		6.949E+02	999		6.949E+02	999	
10	4.766E-02	0		4.766E-02	999		7.416E+02	999		7.416E+02	999	
11	4.567E-02	0		4.567E-02	999		7.884E+02	999		7.884E+02	999	
12	4.370E-02	0		4.370E-02	999		8.354E+02	999		8.354E+02	999	
13	4.176E-02	0		4.176E-02	999		8.824E+02	999		8.824E+02	999	
14	3.984E-02	999		3.984E-02	0		9.296E+02	999		9.296E+02	999	
15	3.795E-02	0		3.795E-02	999		9.769E+02	999		9.769E+02	999	
16	3.609E-02	999		3.609E-02	0		1.024E+03	999		1.024E+03	999	
17	3.426E-02	0		3.426E-02	999		1.072E+03	999		1.072E+03	999	
18	3.246E-02	999		3.246E-02	0		1.119E+03	999		1.119E+03	999	
19	3.069E-02	0		3.069E-02	999		1.167E+03	999		1.167E+03	999	
20	2.896E-02	999		2.896E-02	0		1.215E+03	999		1.215E+03	999	
21	2.726E-02	999		2.726E-02	0		1.263E+03	999		1.263E+03	999	
22	2.560E-02	999		2.560E-02	0		1.310E+03	999		1.310E+03	999	
23	2.398E-02	999		2.398E-02	0		1.358E+03	999		1.358E+03	999	
24	2.240E-02	999		2.240E-02	0		1.407E+03	999		1.407E+03	999	
25	2.086E-02	0		2.086E-02	999		1.455E+03	999		1.455E+03	999	
26	1.936E-02	999		1.936E-02	0		1.503E+03	999		1.503E+03	999	
27	1.791E-02	999		1.791E-02	0		1.551E+03	999		1.551E+03	999	
28	1.650E-02	0		1.650E-02	999		1.600E+03	999		1.600E+03	999	
29	1.514E-02	0		1.514E-02	999		1.648E+03	999		1.648E+03	999	
30	1.383E-02	999		1.383E-02	0		1.697E+03	999		1.697E+03	999	
31	1.257E-02	0		1.257E-02	999		1.745E+03	999		1.745E+03	999	
32	1.136E-02	0		1.136E-02	999		1.794E+03	999		1.794E+03	999	
33	1.020E-02	999		1.020E-02	0		1.843E+03	999		1.843E+03	999	
34	9.100E-03	0		9.100E-03	999		1.892E+03	999		1.892E+03	999	
35	8.053E-03	999		8.053E-03	0		1.940E+03	999		1.940E+03	999	
36	7.062E-03	999		7.062E-03	0		1.989E+03	999		1.989E+03	999	
37	6.130E-03	0		6.130E-03	999		2.038E+03	999		2.038E+03	999	
38	5.259E-03	0		5.259E-03	999		2.087E+03	999		2.087E+03	999	
39	4.448E-03	999		4.448E-03	0		2.136E+03	999		2.136E+03	999	
40	3.700E-03	0		3.700E-03	999		2.185E+03	999		2.185E+03	999	
41	3.017E-03	999		3.017E-03	0		2.234E+03	999		2.234E+03	999	
42	2.400E-03	999		2.400E-03	0		2.283E+03	999		2.283E+03	999	
43	1.849E-03	999		1.849E-03	0		2.333E+03	999		2.333E+03	999	
44	1.368E-03	999		1.368E-03	0		2.382E+03	999		2.382E+03	999	
45	9.559E-04	0		9.559E-04	999		2.431E+03	999		2.431E+03	999	
46	6.158E-04	0		6.158E-04	999		2.480E+03	999		2.480E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.488E-04		999	3.488E-04		0	2.530E+03		999	2.530E+03		999
48	1.561E-04		0	1.561E-04		999	2.579E+03		999	2.579E+03		999
49	3.940E-05		0	3.940E-05		999	2.628E+03		999	2.628E+03		999
50	0.000E+00		999	0.000E+00		999	1.339E+03		999	1.339E+03		999
51	3.940E-05		0	3.940E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.401E+02 999	1.401E+02 999	0.000E+00 999	0.000E+00 999
1	1.816E+02 999	1.816E+02 999	0.000E+00 999	0.000E+00 999
2	4.164E+01 999	4.164E+01 999	0.000E+00 999	0.000E+00 999
3	4.180E+01 999	4.180E+01 999	0.000E+00 999	0.000E+00 999
4	4.195E+01 999	4.195E+01 999	0.000E+00 999	0.000E+00 999
5	4.211E+01 999	4.211E+01 999	0.000E+00 999	0.000E+00 999
6	4.227E+01 999	4.227E+01 999	0.000E+00 999	0.000E+00 999
7	4.243E+01 999	4.243E+01 999	0.000E+00 999	0.000E+00 999
8	4.259E+01 999	4.259E+01 999	0.000E+00 999	0.000E+00 999
9	4.274E+01 999	4.274E+01 999	0.000E+00 999	0.000E+00 999
10	4.290E+01 999	4.290E+01 999	0.000E+00 999	0.000E+00 999
11	4.306E+01 999	4.306E+01 999	0.000E+00 999	0.000E+00 999
12	4.322E+01 999	4.322E+01 999	0.000E+00 999	0.000E+00 999
13	4.337E+01 999	4.337E+01 999	0.000E+00 999	0.000E+00 999
14	4.353E+01 999	4.353E+01 999	0.000E+00 999	0.000E+00 999
15	4.369E+01 999	4.369E+01 999	0.000E+00 999	0.000E+00 999
16	4.385E+01 999	4.385E+01 999	0.000E+00 999	0.000E+00 999
17	4.401E+01 999	4.401E+01 999	0.000E+00 999	0.000E+00 999
18	4.416E+01 999	4.416E+01 999	0.000E+00 999	0.000E+00 999
19	4.432E+01 999	4.432E+01 999	0.000E+00 999	0.000E+00 999
20	4.448E+01 999	4.448E+01 999	0.000E+00 999	0.000E+00 999
21	4.464E+01 999	4.464E+01 999	0.000E+00 999	0.000E+00 999
22	4.480E+01 999	4.480E+01 999	0.000E+00 999	0.000E+00 999
23	4.495E+01 999	4.495E+01 999	0.000E+00 999	0.000E+00 999
24	4.511E+01 999	4.511E+01 999	0.000E+00 999	0.000E+00 999
25	4.527E+01 999	4.527E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	4.543E+01 999	4.543E+01 999	0.000E+00 999	0.000E+00 999
27	4.559E+01 999	4.559E+01 999	0.000E+00 999	0.000E+00 999
28	4.575E+01 999	4.575E+01 999	0.000E+00 999	0.000E+00 999
29	4.590E+01 999	4.590E+01 999	0.000E+00 999	0.000E+00 999
30	4.606E+01 999	4.606E+01 999	0.000E+00 999	0.000E+00 999
31	4.622E+01 999	4.622E+01 999	0.000E+00 999	0.000E+00 999
32	4.638E+01 999	4.638E+01 999	0.000E+00 999	0.000E+00 999
33	4.653E+01 999	4.653E+01 999	0.000E+00 999	0.000E+00 999
34	4.669E+01 999	4.669E+01 999	0.000E+00 999	0.000E+00 999
35	4.685E+01 999	4.685E+01 999	0.000E+00 999	0.000E+00 999
36	4.701E+01 999	4.701E+01 999	0.000E+00 999	0.000E+00 999
37	4.717E+01 999	4.717E+01 999	0.000E+00 999	0.000E+00 999
38	4.733E+01 999	4.733E+01 999	0.000E+00 999	0.000E+00 999
39	4.748E+01 999	4.748E+01 999	0.000E+00 999	0.000E+00 999
40	4.764E+01 999	4.764E+01 999	0.000E+00 999	0.000E+00 999
41	4.780E+01 999	4.780E+01 999	0.000E+00 999	0.000E+00 999
42	4.796E+01 999	4.796E+01 999	0.000E+00 999	0.000E+00 999
43	4.812E+01 999	4.812E+01 999	0.000E+00 999	0.000E+00 999
44	4.827E+01 999	4.827E+01 999	0.000E+00 999	0.000E+00 999
45	4.843E+01 999	4.843E+01 999	0.000E+00 999	0.000E+00 999
46	4.859E+01 999	4.859E+01 999	0.000E+00 999	0.000E+00 999
47	4.875E+01 999	4.875E+01 999	0.000E+00 999	0.000E+00 999
48	4.891E+01 999	4.891E+01 999	0.000E+00 999	0.000E+00 999
49	4.906E+01 999	4.906E+01 999	0.000E+00 999	0.000E+00 999
50	-1.289E+03 999	-1.289E+03 999	-4.930E+01 999	-4.930E+01 999
51	-1.339E+03 999	-1.339E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS			
		STA	STA	STA	STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
 9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.750E+01	0.000E+00	3.473E+02	0.000E+00	-1.892E+03
0	50	0	8.496E+06	3.880E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.892E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                                    HIGHWAY   PD-            CONTROL-            CODED  
NO            COUNTY                    NO            IPE   SECTION-JOB            BY            DATE  
Any                                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010            (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
9            Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	5.847E-01		0.000E+00		0.000E+00
0	0.000E+00	5.700E-01	-1.467E-02	1.736E+02	1.736E+02	0.000E+00
1	1.000E+00	5.554E-01	-1.462E-02	4.027E+02	2.013E+02	0.000E+00
2	2.000E+00	5.408E-01	-1.458E-02	4.583E+02	2.808E+01	0.000E+00
3	3.000E+00	5.263E-01	-1.452E-02	5.142E+02	2.847E+01	0.000E+00
4	4.000E+00	5.118E-01	-1.446E-02	5.705E+02	2.886E+01	0.000E+00
5	5.000E+00	4.974E-01	-1.440E-02	6.269E+02	2.925E+01	0.000E+00
6	6.000E+00	4.831E-01	-1.432E-02	6.837E+02	2.963E+01	0.000E+00
7	7.000E+00	4.688E-01	-1.424E-02	7.406E+02	3.002E+01	0.000E+00
8	8.000E+00	4.547E-01	-1.415E-02	7.978E+02	3.041E+01	0.000E+00
9	9.000E+00	4.406E-01	-1.406E-02	8.552E+02	3.080E+01	0.000E+00
10	1.000E+01	4.267E-01	-1.396E-02	9.128E+02	3.119E+01	0.000E+00
11	1.100E+01	4.128E-01	-1.385E-02	9.706E+02	3.157E+01	0.000E+00
12	1.200E+01	3.991E-01	-1.374E-02	1.029E+03	3.196E+01	0.000E+00
13	1.300E+01	3.855E-01	-1.362E-02	1.087E+03	3.235E+01	0.000E+00
14	1.400E+01	3.720E-01	-1.349E-02	1.145E+03	3.274E+01	0.000E+00
15	1.500E+01	3.586E-01	-1.335E-02	1.203E+03	3.313E+01	0.000E+00
16	1.600E+01	3.454E-01	-1.321E-02	1.262E+03	3.351E+01	0.000E+00
17	1.700E+01	3.323E-01	-1.306E-02	1.320E+03	3.390E+01	0.000E+00
18	1.800E+01	3.194E-01	-1.291E-02	1.379E+03	3.429E+01	0.000E+00
19	1.900E+01	3.067E-01	-1.275E-02	1.438E+03	3.468E+01	0.000E+00
20	2.000E+01	2.941E-01	-1.258E-02	1.497E+03	3.507E+01	0.000E+00
21	2.100E+01	2.817E-01	-1.240E-02	1.556E+03	3.545E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.695E-01	-1.222E-02	1.615E+03	3.584E+01	0.000E+00
23	2.300E+01	2.575E-01	-1.203E-02	1.674E+03	3.623E+01	0.000E+00
24	2.400E+01	2.456E-01	-1.183E-02	1.733E+03	3.662E+01	0.000E+00
25	2.500E+01	2.340E-01	-1.163E-02	1.792E+03	3.701E+01	0.000E+00
26	2.600E+01	2.226E-01	-1.142E-02	1.851E+03	3.739E+01	0.000E+00
27	2.700E+01	2.114E-01	-1.120E-02	1.909E+03	3.778E+01	0.000E+00
28	2.800E+01	2.004E-01	-1.097E-02	1.968E+03	3.817E+01	0.000E+00
29	2.900E+01	1.897E-01	-1.074E-02	2.027E+03	3.856E+01	0.000E+00
30	3.000E+01	1.792E-01	-1.050E-02	2.086E+03	3.895E+01	0.000E+00
31	3.100E+01	1.689E-01	-1.026E-02	2.145E+03	3.933E+01	0.000E+00
32	3.200E+01	1.589E-01	-1.000E-02	2.203E+03	3.972E+01	0.000E+00
33	3.300E+01	1.492E-01	-9.745E-03	2.262E+03	4.011E+01	0.000E+00
34	3.400E+01	1.397E-01	-9.479E-03	2.320E+03	4.050E+01	0.000E+00
35	3.500E+01	1.305E-01	-9.206E-03	2.379E+03	4.089E+01	0.000E+00
36	3.600E+01	1.216E-01	-8.926E-03	2.437E+03	4.127E+01	0.000E+00
37	3.700E+01	1.129E-01	-8.639E-03	2.495E+03	4.166E+01	0.000E+00
38	3.800E+01	1.046E-01	-8.346E-03	2.553E+03	4.205E+01	0.000E+00
39	3.900E+01	9.653E-02	-8.045E-03	2.610E+03	4.244E+01	0.000E+00
40	4.000E+01	8.880E-02	-7.738E-03	2.668E+03	4.283E+01	0.000E+00
41	4.100E+01	8.137E-02	-7.424E-03	2.725E+03	4.321E+01	0.000E+00
42	4.200E+01	7.427E-02	-7.103E-03	2.782E+03	4.360E+01	0.000E+00
43	4.300E+01	6.749E-02	-6.776E-03	2.839E+03	4.399E+01	0.000E+00
44	4.400E+01	6.105E-02	-6.441E-03	2.896E+03	4.438E+01	0.000E+00
45	4.500E+01	5.495E-02	-6.101E-03	2.952E+03	4.477E+01	0.000E+00
46	4.600E+01	4.920E-02	-5.753E-03	3.008E+03	4.515E+01	0.000E+00
47	4.700E+01	4.380E-02	-5.399E-03	3.064E+03	4.554E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.876E-02	-5.039E-03	3.119E+03	4.593E+01	0.000E+00
49	4.900E+01	3.409E-02	-4.671E-03	3.174E+03	4.632E+01	0.000E+00
50	5.000E+01	2.979E-02	-4.298E-03	3.229E+03	4.671E+01	0.000E+00
51	5.100E+01	2.580E-02	-3.986E-03	3.284E+03	4.690E+01	0.000E+00
52	5.200E+01	2.209E-02	-3.717E-03	3.337E+03	4.690E+01	0.000E+00
53	5.300E+01	1.864E-02	-3.444E-03	3.391E+03	4.690E+01	0.000E+00
54	5.400E+01	1.548E-02	-3.167E-03	3.444E+03	4.690E+01	0.000E+00
55	5.500E+01	1.259E-02	-2.885E-03	3.496E+03	4.690E+01	0.000E+00
56	5.600E+01	9.992E-03	-2.599E-03	3.548E+03	4.690E+01	0.000E+00
57	5.700E+01	7.684E-03	-2.309E-03	3.599E+03	4.690E+01	0.000E+00
58	5.800E+01	5.670E-03	-2.014E-03	3.650E+03	4.690E+01	0.000E+00
59	5.900E+01	3.954E-03	-1.715E-03	3.700E+03	4.690E+01	0.000E+00
60	6.000E+01	2.542E-03	-1.413E-03	3.750E+03	4.690E+01	0.000E+00
61	6.100E+01	1.436E-03	-1.106E-03	3.799E+03	4.690E+01	0.000E+00
62	6.200E+01	6.413E-04	-7.948E-04	3.847E+03	4.690E+01	0.000E+00
63	6.300E+01	1.613E-04	-4.800E-04	3.895E+03	4.690E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.613E-04	1.971E+03	-1.924E+03	-4.690E+01
65	6.500E+01	1.613E-04	1.613E-04	0.000E+00	-1.971E+03	0.000E+00

PROB (CONTD)

9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	5.847E-01	999		5.847E-01	0		0.000E+00	999		0.000E+00	999	
0	5.700E-01	999		5.700E-01	0		1.736E+02	999		1.736E+02	999	
1	5.554E-01	0		5.554E-01	999		4.027E+02	999		4.027E+02	999	
2	5.408E-01	0		5.408E-01	999		4.583E+02	999		4.583E+02	999	
3	5.263E-01	0		5.263E-01	999		5.142E+02	999		5.142E+02	999	
4	5.118E-01	999		5.118E-01	0		5.705E+02	999		5.705E+02	999	
5	4.974E-01	999		4.974E-01	0		6.269E+02	999		6.269E+02	999	
6	4.831E-01	999		4.831E-01	0		6.837E+02	999		6.837E+02	999	
7	4.688E-01	0		4.688E-01	999		7.406E+02	999		7.406E+02	999	
8	4.547E-01	0		4.547E-01	999		7.978E+02	999		7.978E+02	999	
9	4.406E-01	0		4.406E-01	999		8.552E+02	999		8.552E+02	999	
10	4.267E-01	999		4.267E-01	0		9.128E+02	999		9.128E+02	999	
11	4.128E-01	0		4.128E-01	999		9.706E+02	999		9.706E+02	999	
12	3.991E-01	0		3.991E-01	999		1.029E+03	999		1.029E+03	999	
13	3.855E-01	999		3.855E-01	0		1.087E+03	999		1.087E+03	999	
14	3.720E-01	0		3.720E-01	999		1.145E+03	999		1.145E+03	999	
15	3.586E-01	999		3.586E-01	0		1.203E+03	999		1.203E+03	999	
16	3.454E-01	999		3.454E-01	0		1.262E+03	999		1.262E+03	999	
17	3.323E-01	0		3.323E-01	999		1.320E+03	999		1.320E+03	999	
18	3.194E-01	999		3.194E-01	0		1.379E+03	999		1.379E+03	999	
19	3.067E-01	0		3.067E-01	999		1.438E+03	999		1.438E+03	999	
20	2.941E-01	0		2.941E-01	999		1.497E+03	999		1.497E+03	999	
21	2.817E-01	999		2.817E-01	0		1.556E+03	999		1.556E+03	999	
22	2.695E-01	999		2.695E-01	0		1.615E+03	999		1.615E+03	999	
23	2.575E-01	0		2.575E-01	999		1.674E+03	999		1.674E+03	999	
24	2.456E-01	999		2.456E-01	0		1.733E+03	999		1.733E+03	999	
25	2.340E-01	0		2.340E-01	999		1.792E+03	999		1.792E+03	999	
26	2.226E-01	0		2.226E-01	999		1.851E+03	999		1.851E+03	999	
27	2.114E-01	999		2.114E-01	0		1.909E+03	999		1.909E+03	999	
28	2.004E-01	999		2.004E-01	0		1.968E+03	999		1.968E+03	999	
29	1.897E-01	999		1.897E-01	0		2.027E+03	999		2.027E+03	999	
30	1.792E-01	0		1.792E-01	999		2.086E+03	999		2.086E+03	999	
31	1.689E-01	999		1.689E-01	0		2.145E+03	999		2.145E+03	999	
32	1.589E-01	0		1.589E-01	999		2.203E+03	999		2.203E+03	999	
33	1.492E-01	999		1.492E-01	0		2.262E+03	999		2.262E+03	999	
34	1.397E-01	999		1.397E-01	0		2.320E+03	999		2.320E+03	999	
35	1.305E-01	999		1.305E-01	0		2.379E+03	999		2.379E+03	999	
36	1.216E-01	0		1.216E-01	999		2.437E+03	999		2.437E+03	999	
37	1.129E-01	999		1.129E-01	0		2.495E+03	999		2.495E+03	999	
38	1.046E-01	999		1.046E-01	0		2.553E+03	999		2.553E+03	999	
39	9.653E-02	0		9.653E-02	999		2.610E+03	999		2.610E+03	999	
40	8.880E-02	999		8.880E-02	0		2.668E+03	999		2.668E+03	999	
41	8.137E-02	0		8.137E-02	999		2.725E+03	999		2.725E+03	999	
42	7.427E-02	999		7.427E-02	0		2.782E+03	999		2.782E+03	999	
43	6.749E-02	0		6.749E-02	999		2.839E+03	999		2.839E+03	999	
44	6.105E-02	0		6.105E-02	999		2.896E+03	999		2.896E+03	999	
45	5.495E-02	999		5.495E-02	0		2.952E+03	999		2.952E+03	999	
46	4.920E-02	0		4.920E-02	999		3.008E+03	999		3.008E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.380E-02		999	4.380E-02		0	3.064E+03		999	3.064E+03		999
48	3.876E-02		0	3.876E-02		999	3.119E+03		999	3.119E+03		999
49	3.409E-02		0	3.409E-02		999	3.174E+03		999	3.174E+03		999
50	2.979E-02		999	2.979E-02		0	3.229E+03		999	3.229E+03		999
51	2.580E-02		0	2.580E-02		999	3.284E+03		999	3.284E+03		999
52	2.209E-02		0	2.209E-02		999	3.337E+03		999	3.337E+03		999
53	1.864E-02		999	1.864E-02		0	3.391E+03		999	3.391E+03		999
54	1.548E-02		0	1.548E-02		999	3.444E+03		999	3.444E+03		999
55	1.259E-02		0	1.259E-02		999	3.496E+03		999	3.496E+03		999
56	9.992E-03		999	9.992E-03		0	3.548E+03		999	3.548E+03		999
57	7.684E-03		0	7.684E-03		999	3.599E+03		999	3.599E+03		999
58	5.670E-03		0	5.670E-03		999	3.650E+03		999	3.650E+03		999
59	3.954E-03		999	3.954E-03		0	3.700E+03		999	3.700E+03		999
60	2.542E-03		0	2.542E-03		999	3.750E+03		999	3.750E+03		999
61	1.436E-03		0	1.436E-03		999	3.799E+03		999	3.799E+03		999
62	6.413E-04		0	6.413E-04		999	3.847E+03		999	3.847E+03		999
63	1.613E-04		999	1.613E-04		0	3.895E+03		999	3.895E+03		999
64	0.000E+00		999	0.000E+00		999	1.971E+03		999	1.971E+03		999
65	1.613E-04		999	1.613E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.736E+02 999	1.736E+02 999	0.000E+00 999	0.000E+00 999
0	2.013E+02 999	2.013E+02 999	0.000E+00 999	0.000E+00 999
1	2.808E+01 999	2.808E+01 999	0.000E+00 999	0.000E+00 999
2	2.847E+01 999	2.847E+01 999	0.000E+00 999	0.000E+00 999
3	2.886E+01 999	2.886E+01 999	0.000E+00 999	0.000E+00 999
4	2.925E+01 999	2.925E+01 999	0.000E+00 999	0.000E+00 999
5	2.963E+01 999	2.963E+01 999	0.000E+00 999	0.000E+00 999
6	3.002E+01 999	3.002E+01 999	0.000E+00 999	0.000E+00 999
7	3.041E+01 999	3.041E+01 999	0.000E+00 999	0.000E+00 999
8	3.080E+01 999	3.080E+01 999	0.000E+00 999	0.000E+00 999
9	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
10	3.157E+01 999	3.157E+01 999	0.000E+00 999	0.000E+00 999
11	3.196E+01 999	3.196E+01 999	0.000E+00 999	0.000E+00 999
12	3.235E+01 999	3.235E+01 999	0.000E+00 999	0.000E+00 999
13	3.274E+01 999	3.274E+01 999	0.000E+00 999	0.000E+00 999
14	3.313E+01 999	3.313E+01 999	0.000E+00 999	0.000E+00 999
15	3.351E+01 999	3.351E+01 999	0.000E+00 999	0.000E+00 999
16	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
17	3.429E+01 999	3.429E+01 999	0.000E+00 999	0.000E+00 999
18	3.468E+01 999	3.468E+01 999	0.000E+00 999	0.000E+00 999
19	3.507E+01 999	3.507E+01 999	0.000E+00 999	0.000E+00 999
20	3.545E+01 999	3.545E+01 999	0.000E+00 999	0.000E+00 999
21	3.584E+01 999	3.584E+01 999	0.000E+00 999	0.000E+00 999
22	3.623E+01 999	3.623E+01 999	0.000E+00 999	0.000E+00 999
23	3.662E+01 999	3.662E+01 999	0.000E+00 999	0.000E+00 999
24	3.701E+01 999	3.701E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.739E+01 999	3.739E+01 999	0.000E+00 999	0.000E+00 999
27	3.778E+01 999	3.778E+01 999	0.000E+00 999	0.000E+00 999
28	3.817E+01 999	3.817E+01 999	0.000E+00 999	0.000E+00 999
29	3.856E+01 999	3.856E+01 999	0.000E+00 999	0.000E+00 999
30	3.895E+01 999	3.895E+01 999	0.000E+00 999	0.000E+00 999
31	3.933E+01 999	3.933E+01 999	0.000E+00 999	0.000E+00 999
32	3.972E+01 999	3.972E+01 999	0.000E+00 999	0.000E+00 999
33	4.011E+01 999	4.011E+01 999	0.000E+00 999	0.000E+00 999
34	4.050E+01 999	4.050E+01 999	0.000E+00 999	0.000E+00 999
35	4.089E+01 999	4.089E+01 999	0.000E+00 999	0.000E+00 999
36	4.127E+01 999	4.127E+01 999	0.000E+00 999	0.000E+00 999
37	4.166E+01 999	4.166E+01 999	0.000E+00 999	0.000E+00 999
38	4.205E+01 999	4.205E+01 999	0.000E+00 999	0.000E+00 999
39	4.244E+01 999	4.244E+01 999	0.000E+00 999	0.000E+00 999
40	4.283E+01 999	4.283E+01 999	0.000E+00 999	0.000E+00 999
41	4.321E+01 999	4.321E+01 999	0.000E+00 999	0.000E+00 999
42	4.360E+01 999	4.360E+01 999	0.000E+00 999	0.000E+00 999
43	4.399E+01 999	4.399E+01 999	0.000E+00 999	0.000E+00 999
44	4.438E+01 999	4.438E+01 999	0.000E+00 999	0.000E+00 999
45	4.477E+01 999	4.477E+01 999	0.000E+00 999	0.000E+00 999
46	4.515E+01 999	4.515E+01 999	0.000E+00 999	0.000E+00 999
47	4.554E+01 999	4.554E+01 999	0.000E+00 999	0.000E+00 999
48	4.593E+01 999	4.593E+01 999	0.000E+00 999	0.000E+00 999
49	4.632E+01 999	4.632E+01 999	0.000E+00 999	0.000E+00 999
50	4.671E+01 999	4.671E+01 999	0.000E+00 999	0.000E+00 999
51	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
53	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
54	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
55	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
56	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
57	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
58	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
59	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
60	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
61	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
62	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
63	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
64	-1.924E+03 999	-1.924E+03 999	-4.690E+01 999	-4.690E+01 999
65	-1.971E+03 999	-1.971E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	2.150E+01	0.000E+00	1.445E+02	0.000E+00	-1.892E+03	
0	50	0	3.398E+07	1.120E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF  
NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.743E-02		0.000E+00		0.000E+00
0	0.000E+00	3.629E-02	-1.138E-03	7.225E+01	7.225E+01	0.000E+00
1	1.000E+00	3.516E-02	-1.134E-03	1.682E+02	9.381E+01	0.000E+00
2	2.000E+00	3.403E-02	-1.129E-03	1.920E+02	2.167E+01	0.000E+00
3	3.000E+00	3.290E-02	-1.123E-03	2.159E+02	2.178E+01	0.000E+00
4	4.000E+00	3.179E-02	-1.117E-03	2.399E+02	2.189E+01	0.000E+00
5	5.000E+00	3.068E-02	-1.110E-03	2.640E+02	2.200E+01	0.000E+00
6	6.000E+00	2.958E-02	-1.102E-03	2.882E+02	2.212E+01	0.000E+00
7	7.000E+00	2.848E-02	-1.093E-03	3.125E+02	2.223E+01	0.000E+00
8	8.000E+00	2.740E-02	-1.084E-03	3.369E+02	2.234E+01	0.000E+00
9	9.000E+00	2.632E-02	-1.074E-03	3.614E+02	2.245E+01	0.000E+00
10	1.000E+01	2.526E-02	-1.064E-03	3.860E+02	2.256E+01	0.000E+00
11	1.100E+01	2.421E-02	-1.052E-03	4.106E+02	2.268E+01	0.000E+00
12	1.200E+01	2.317E-02	-1.040E-03	4.354E+02	2.279E+01	0.000E+00
13	1.300E+01	2.214E-02	-1.027E-03	4.602E+02	2.290E+01	0.000E+00
14	1.400E+01	2.113E-02	-1.014E-03	4.852E+02	2.301E+01	0.000E+00
15	1.500E+01	2.013E-02	-9.996E-04	5.102E+02	2.312E+01	0.000E+00
16	1.600E+01	1.914E-02	-9.846E-04	5.353E+02	2.324E+01	0.000E+00
17	1.700E+01	1.817E-02	-9.688E-04	5.605E+02	2.335E+01	0.000E+00
18	1.800E+01	1.722E-02	-9.524E-04	5.857E+02	2.346E+01	0.000E+00
19	1.900E+01	1.629E-02	-9.351E-04	6.111E+02	2.357E+01	0.000E+00
20	2.000E+01	1.537E-02	-9.171E-04	6.365E+02	2.368E+01	0.000E+00
21	2.100E+01	1.447E-02	-8.984E-04	6.620E+02	2.380E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.359E-02	-8.789E-04	6.875E+02	2.391E+01	0.000E+00
23	2.300E+01	1.273E-02	-8.587E-04	7.132E+02	2.402E+01	0.000E+00
24	2.400E+01	1.190E-02	-8.377E-04	7.389E+02	2.413E+01	0.000E+00
25	2.500E+01	1.108E-02	-8.160E-04	7.647E+02	2.424E+01	0.000E+00
26	2.600E+01	1.029E-02	-7.935E-04	7.905E+02	2.436E+01	0.000E+00
27	2.700E+01	9.516E-03	-7.702E-04	8.165E+02	2.447E+01	0.000E+00
28	2.800E+01	8.770E-03	-7.462E-04	8.425E+02	2.458E+01	0.000E+00
29	2.900E+01	8.048E-03	-7.214E-04	8.685E+02	2.469E+01	0.000E+00
30	3.000E+01	7.353E-03	-6.958E-04	8.946E+02	2.480E+01	0.000E+00
31	3.100E+01	6.683E-03	-6.695E-04	9.208E+02	2.492E+01	0.000E+00
32	3.200E+01	6.041E-03	-6.424E-04	9.471E+02	2.503E+01	0.000E+00
33	3.300E+01	5.426E-03	-6.145E-04	9.734E+02	2.514E+01	0.000E+00
34	3.400E+01	4.840E-03	-5.859E-04	9.997E+02	2.525E+01	0.000E+00
35	3.500E+01	4.284E-03	-5.564E-04	1.026E+03	2.536E+01	0.000E+00
36	3.600E+01	3.758E-03	-5.262E-04	1.053E+03	2.548E+01	0.000E+00
37	3.700E+01	3.262E-03	-4.953E-04	1.079E+03	2.559E+01	0.000E+00
38	3.800E+01	2.799E-03	-4.635E-04	1.106E+03	2.570E+01	0.000E+00
39	3.900E+01	2.368E-03	-4.310E-04	1.132E+03	2.581E+01	0.000E+00
40	4.000E+01	1.970E-03	-3.976E-04	1.159E+03	2.592E+01	0.000E+00
41	4.100E+01	1.607E-03	-3.635E-04	1.186E+03	2.604E+01	0.000E+00
42	4.200E+01	1.278E-03	-3.286E-04	1.213E+03	2.615E+01	0.000E+00
43	4.300E+01	9.851E-04	-2.930E-04	1.239E+03	2.626E+01	0.000E+00
44	4.400E+01	7.287E-04	-2.565E-04	1.266E+03	2.637E+01	0.000E+00
45	4.500E+01	5.094E-04	-2.192E-04	1.293E+03	2.648E+01	0.000E+00
46	4.600E+01	3.283E-04	-1.812E-04	1.320E+03	2.660E+01	0.000E+00
47	4.700E+01	1.859E-04	-1.423E-04	1.347E+03	2.671E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	8.326E-05	-1.027E-04	1.374E+03	2.682E+01	0.000E+00
49	4.900E+01	2.101E-05	-6.225E-05	1.401E+03	2.693E+01	0.000E+00
50	5.000E+01	0.000E+00	-2.101E-05	7.141E+02	-6.870E+02	-2.710E+01
51	5.100E+01	2.101E-05	2.101E-05	0.000E+00	-7.141E+02	0.000E+00

PROB (CONTD)

10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.743E-02		0	3.743E-02		999	0.000E+00		999	0.000E+00		999
0	3.629E-02		999	3.629E-02		0	7.225E+01		999	7.225E+01		999
1	3.516E-02		999	3.516E-02		0	1.682E+02		999	1.682E+02		999
2	3.403E-02		0	3.403E-02		999	1.920E+02		999	1.920E+02		999
3	3.290E-02		999	3.290E-02		0	2.159E+02		999	2.159E+02		999
4	3.179E-02		999	3.179E-02		0	2.399E+02		999	2.399E+02		999
5	3.068E-02		999	3.068E-02		0	2.640E+02		999	2.640E+02		999
6	2.958E-02		0	2.958E-02		999	2.882E+02		999	2.882E+02		999
7	2.848E-02		999	2.848E-02		0	3.125E+02		999	3.125E+02		999
8	2.740E-02		0	2.740E-02		999	3.369E+02		999	3.369E+02		999
9	2.632E-02		0	2.632E-02		999	3.614E+02		999	3.614E+02		999
10	2.526E-02		999	2.526E-02		0	3.860E+02		999	3.860E+02		999
11	2.421E-02		999	2.421E-02		0	4.106E+02		999	4.106E+02		999
12	2.317E-02		0	2.317E-02		999	4.354E+02		999	4.354E+02		999
13	2.214E-02		999	2.214E-02		0	4.602E+02		999	4.602E+02		999
14	2.113E-02		999	2.113E-02		0	4.852E+02		999	4.852E+02		999
15	2.013E-02		0	2.013E-02		999	5.102E+02		999	5.102E+02		999
16	1.914E-02		999	1.914E-02		0	5.353E+02		999	5.353E+02		999
17	1.817E-02		999	1.817E-02		0	5.605E+02		999	5.605E+02		999
18	1.722E-02		999	1.722E-02		0	5.857E+02		999	5.857E+02		999
19	1.629E-02		0	1.629E-02		999	6.111E+02		999	6.111E+02		999
20	1.537E-02		0	1.537E-02		999	6.365E+02		999	6.365E+02		999
21	1.447E-02		0	1.447E-02		999	6.620E+02		999	6.620E+02		999
22	1.359E-02		0	1.359E-02		999	6.875E+02		999	6.875E+02		999
23	1.273E-02		0	1.273E-02		999	7.132E+02		999	7.132E+02		999
24	1.190E-02		0	1.190E-02		999	7.389E+02		999	7.389E+02		999
25	1.108E-02		999	1.108E-02		0	7.647E+02		999	7.647E+02		999
26	1.029E-02		999	1.029E-02		0	7.905E+02		999	7.905E+02		999
27	9.516E-03		0	9.516E-03		999	8.165E+02		999	8.165E+02		999
28	8.770E-03		999	8.770E-03		0	8.425E+02		999	8.425E+02		999
29	8.048E-03		0	8.048E-03		999	8.685E+02		999	8.685E+02		999
30	7.353E-03		0	7.353E-03		999	8.946E+02		999	8.946E+02		999
31	6.683E-03		999	6.683E-03		0	9.208E+02		999	9.208E+02		999
32	6.041E-03		0	6.041E-03		999	9.471E+02		999	9.471E+02		999
33	5.426E-03		0	5.426E-03		999	9.734E+02		999	9.734E+02		999
34	4.840E-03		999	4.840E-03		0	9.997E+02		999	9.997E+02		999
35	4.284E-03		0	4.284E-03		999	1.026E+03		999	1.026E+03		999
36	3.758E-03		999	3.758E-03		0	1.053E+03		999	1.053E+03		999
37	3.262E-03		0	3.262E-03		999	1.079E+03		999	1.079E+03		999
38	2.799E-03		999	2.799E-03		0	1.106E+03		999	1.106E+03		999
39	2.368E-03		0	2.368E-03		999	1.132E+03		999	1.132E+03		999
40	1.970E-03		0	1.970E-03		999	1.159E+03		999	1.159E+03		999
41	1.607E-03		0	1.607E-03		999	1.186E+03		999	1.186E+03		999
42	1.278E-03		0	1.278E-03		999	1.213E+03		999	1.213E+03		999
43	9.851E-04		0	9.851E-04		999	1.239E+03		999	1.239E+03		999
44	7.287E-04		999	7.287E-04		0	1.266E+03		999	1.266E+03		999
45	5.094E-04		0	5.094E-04		999	1.293E+03		999	1.293E+03		999
46	3.283E-04		0	3.283E-04		999	1.320E+03		999	1.320E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	1.859E-04	999		1.859E-04	0		1.347E+03	999		1.347E+03	999	
48	8.326E-05	0		8.326E-05	999		1.374E+03	999		1.374E+03	999	
49	2.101E-05	999		2.101E-05	0		1.401E+03	999		1.401E+03	999	
50	0.000E+00	999		0.000E+00	999		7.141E+02	999		7.141E+02	999	
51	2.101E-05	999		2.101E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	7.225E+01 999	7.225E+01 999	0.000E+00 999	0.000E+00 999
0	9.381E+01 999	9.381E+01 999	0.000E+00 999	0.000E+00 999
1	2.167E+01 999	2.167E+01 999	0.000E+00 999	0.000E+00 999
2	2.178E+01 999	2.178E+01 999	0.000E+00 999	0.000E+00 999
3	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
4	2.200E+01 999	2.200E+01 999	0.000E+00 999	0.000E+00 999
5	2.212E+01 999	2.212E+01 999	0.000E+00 999	0.000E+00 999
6	2.223E+01 999	2.223E+01 999	0.000E+00 999	0.000E+00 999
7	2.234E+01 999	2.234E+01 999	0.000E+00 999	0.000E+00 999
8	2.245E+01 999	2.245E+01 999	0.000E+00 999	0.000E+00 999
9	2.256E+01 999	2.256E+01 999	0.000E+00 999	0.000E+00 999
10	2.268E+01 999	2.268E+01 999	0.000E+00 999	0.000E+00 999
11	2.279E+01 999	2.279E+01 999	0.000E+00 999	0.000E+00 999
12	2.290E+01 999	2.290E+01 999	0.000E+00 999	0.000E+00 999
13	2.301E+01 999	2.301E+01 999	0.000E+00 999	0.000E+00 999
14	2.312E+01 999	2.312E+01 999	0.000E+00 999	0.000E+00 999
15	2.324E+01 999	2.324E+01 999	0.000E+00 999	0.000E+00 999
16	2.335E+01 999	2.335E+01 999	0.000E+00 999	0.000E+00 999
17	2.346E+01 999	2.346E+01 999	0.000E+00 999	0.000E+00 999
18	2.357E+01 999	2.357E+01 999	0.000E+00 999	0.000E+00 999
19	2.368E+01 999	2.368E+01 999	0.000E+00 999	0.000E+00 999
20	2.380E+01 999	2.380E+01 999	0.000E+00 999	0.000E+00 999
21	2.391E+01 999	2.391E+01 999	0.000E+00 999	0.000E+00 999
22	2.402E+01 999	2.402E+01 999	0.000E+00 999	0.000E+00 999
23	2.413E+01 999	2.413E+01 999	0.000E+00 999	0.000E+00 999
24	2.424E+01 999	2.424E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.436E+01 999	2.436E+01 999	0.000E+00 999	0.000E+00 999
27	2.447E+01 999	2.447E+01 999	0.000E+00 999	0.000E+00 999
28	2.458E+01 999	2.458E+01 999	0.000E+00 999	0.000E+00 999
29	2.469E+01 999	2.469E+01 999	0.000E+00 999	0.000E+00 999
30	2.480E+01 999	2.480E+01 999	0.000E+00 999	0.000E+00 999
31	2.492E+01 999	2.492E+01 999	0.000E+00 999	0.000E+00 999
32	2.503E+01 999	2.503E+01 999	0.000E+00 999	0.000E+00 999
33	2.514E+01 999	2.514E+01 999	0.000E+00 999	0.000E+00 999
34	2.525E+01 999	2.525E+01 999	0.000E+00 999	0.000E+00 999
35	2.536E+01 999	2.536E+01 999	0.000E+00 999	0.000E+00 999
36	2.548E+01 999	2.548E+01 999	0.000E+00 999	0.000E+00 999
37	2.559E+01 999	2.559E+01 999	0.000E+00 999	0.000E+00 999
38	2.570E+01 999	2.570E+01 999	0.000E+00 999	0.000E+00 999
39	2.581E+01 999	2.581E+01 999	0.000E+00 999	0.000E+00 999
40	2.592E+01 999	2.592E+01 999	0.000E+00 999	0.000E+00 999
41	2.604E+01 999	2.604E+01 999	0.000E+00 999	0.000E+00 999
42	2.615E+01 999	2.615E+01 999	0.000E+00 999	0.000E+00 999
43	2.626E+01 999	2.626E+01 999	0.000E+00 999	0.000E+00 999
44	2.637E+01 999	2.637E+01 999	0.000E+00 999	0.000E+00 999
45	2.648E+01 999	2.648E+01 999	0.000E+00 999	0.000E+00 999
46	2.660E+01 999	2.660E+01 999	0.000E+00 999	0.000E+00 999
47	2.671E+01 999	2.671E+01 999	0.000E+00 999	0.000E+00 999
48	2.682E+01 999	2.682E+01 999	0.000E+00 999	0.000E+00 999
49	2.693E+01 999	2.693E+01 999	0.000E+00 999	0.000E+00 999
50	-6.870E+02 999	-6.870E+02 999	-2.710E+01 999	-2.710E+01 999
51	-7.141E+02 999	-7.141E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	0.000E+00	0.000E+00	1.252E+02	0.000E+00	-1.212E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.212E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.212E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.480E-02		0.000E+00		0.000E+00
0	0.000E+00	3.372E-02	-1.075E-03	6.260E+01	6.260E+01	0.000E+00
1	1.000E+00	3.266E-02	-1.060E-03	1.265E+02	1.774E-06	0.000E+00
2	2.000E+00	3.161E-02	-1.045E-03	1.278E+02	2.767E-06	0.000E+00
3	3.000E+00	3.058E-02	-1.030E-03	1.290E+02	-1.125E-06	0.000E+00
4	4.000E+00	2.957E-02	-1.015E-03	1.302E+02	-4.898E-06	0.000E+00
5	5.000E+00	2.857E-02	-9.999E-04	1.314E+02	-3.575E-06	0.000E+00
6	6.000E+00	2.758E-02	-9.845E-04	1.326E+02	1.698E-07	0.000E+00
7	7.000E+00	2.662E-02	-9.688E-04	1.338E+02	3.635E-06	0.000E+00
8	8.000E+00	2.566E-02	-9.531E-04	1.350E+02	4.098E-06	0.000E+00
9	9.000E+00	2.473E-02	-9.372E-04	1.361E+02	-1.191E-06	0.000E+00
10	1.000E+01	2.380E-02	-9.212E-04	1.372E+02	2.581E-07	0.000E+00
11	1.100E+01	2.290E-02	-9.050E-04	1.383E+02	5.651E-06	0.000E+00
12	1.200E+01	2.201E-02	-8.888E-04	1.394E+02	-3.087E-06	0.000E+00
13	1.300E+01	2.114E-02	-8.724E-04	1.405E+02	1.724E-06	0.000E+00
14	1.400E+01	2.028E-02	-8.558E-04	1.415E+02	1.967E-06	0.000E+00
15	1.500E+01	1.944E-02	-8.392E-04	1.425E+02	-5.239E-06	0.000E+00
16	1.600E+01	1.862E-02	-8.224E-04	1.435E+02	-7.537E-06	0.000E+00
17	1.700E+01	1.782E-02	-8.055E-04	1.445E+02	7.411E-06	0.000E+00
18	1.800E+01	1.703E-02	-7.885E-04	1.454E+02	6.146E-06	0.000E+00
19	1.900E+01	1.626E-02	-7.714E-04	1.464E+02	-1.429E-05	0.000E+00
20	2.000E+01	1.550E-02	-7.542E-04	1.473E+02	4.152E-06	0.000E+00
21	2.100E+01	1.476E-02	-7.368E-04	1.482E+02		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.404E-02	-7.194E-04	1.491E+02	-2.556E-06	0.000E+00
23	2.300E+01	1.334E-02	-7.018E-04	1.499E+02	8.345E-06	0.000E+00
24	2.400E+01	1.266E-02	-6.842E-04	1.507E+02	3.302E-06	0.000E+00
25	2.500E+01	1.199E-02	-6.664E-04	1.515E+02	-5.477E-06	0.000E+00
26	2.600E+01	1.134E-02	-6.486E-04	1.523E+02	-5.802E-06	0.000E+00
27	2.700E+01	1.071E-02	-6.307E-04	1.531E+02	-7.582E-07	0.000E+00
28	2.800E+01	1.010E-02	-6.127E-04	1.538E+02	6.554E-06	0.000E+00
29	2.900E+01	9.506E-03	-5.946E-04	1.546E+02	-2.241E-06	0.000E+00
30	3.000E+01	8.930E-03	-5.764E-04	1.553E+02	2.432E-07	0.000E+00
31	3.100E+01	8.371E-03	-5.581E-04	1.559E+02	-4.399E-06	0.000E+00
32	3.200E+01	7.832E-03	-5.397E-04	1.566E+02	1.119E-05	0.000E+00
33	3.300E+01	7.310E-03	-5.213E-04	1.572E+02	-1.941E-06	0.000E+00
34	3.400E+01	6.808E-03	-5.028E-04	1.578E+02	-1.203E-06	0.000E+00
35	3.500E+01	6.323E-03	-4.842E-04	1.584E+02	-5.055E-06	0.000E+00
36	3.600E+01	5.858E-03	-4.656E-04	1.590E+02	-1.451E-06	0.000E+00
37	3.700E+01	5.411E-03	-4.469E-04	1.595E+02	6.383E-06	0.000E+00
38	3.800E+01	4.983E-03	-4.281E-04	1.600E+02	-4.651E-08	0.000E+00
39	3.900E+01	4.574E-03	-4.093E-04	1.605E+02	-8.729E-06	0.000E+00
40	4.000E+01	4.183E-03	-3.904E-04	1.610E+02	7.596E-06	0.000E+00
41	4.100E+01	3.812E-03	-3.714E-04	1.615E+02	-1.168E-07	0.000E+00
42	4.200E+01	3.459E-03	-3.524E-04	1.619E+02	-4.627E-06	0.000E+00
43	4.300E+01	3.126E-03	-3.334E-04	1.623E+02	6.038E-06	0.000E+00
44	4.400E+01	2.812E-03	-3.143E-04	1.627E+02	-1.936E-06	0.000E+00
45	4.500E+01	2.517E-03	-2.951E-04	1.630E+02	-1.335E-06	0.000E+00
46	4.600E+01	2.241E-03	-2.759E-04	1.634E+02	4.530E-06	0.000E+00
47	4.700E+01	1.984E-03	-2.567E-04	1.637E+02	-2.918E-06	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.747E-03	-2.374E-04	1.640E+02	3.512E-06	0.000E+00
49	4.900E+01	1.529E-03	-2.181E-04	1.642E+02	-1.003E-05	0.000E+00
50	5.000E+01	1.330E-03	-1.988E-04	1.645E+02	-1.102E-06	0.000E+00
51	5.100E+01	1.147E-03	-1.829E-04	1.647E+02	4.845E-06	0.000E+00
52	5.200E+01	9.774E-04	-1.694E-04	1.649E+02	-8.118E-07	0.000E+00
53	5.300E+01	8.214E-04	-1.559E-04	1.651E+02	-1.352E-06	0.000E+00
54	5.400E+01	6.790E-04	-1.424E-04	1.653E+02	1.602E-06	0.000E+00
55	5.500E+01	5.501E-04	-1.289E-04	1.654E+02	6.425E-06	0.000E+00
56	5.600E+01	4.347E-04	-1.154E-04	1.655E+02	-3.767E-06	0.000E+00
57	5.700E+01	3.328E-04	-1.018E-04	1.657E+02	-8.522E-08	0.000E+00
58	5.800E+01	2.446E-04	-8.828E-05	1.658E+02	5.835E-07	0.000E+00
59	5.900E+01	1.698E-04	-7.471E-05	1.659E+02	-3.392E-06	0.000E+00
60	6.000E+01	1.087E-04	-6.114E-05	1.659E+02	1.617E-06	0.000E+00
61	6.100E+01	6.115E-05	-4.756E-05	1.660E+02	-1.281E-06	0.000E+00
62	6.200E+01	2.718E-05	-3.397E-05	1.660E+02	1.539E-06	0.000E+00
63	6.300E+01	6.795E-06	-2.039E-05	1.661E+02	8.445E-06	0.000E+00
64	6.400E+01	0.000E+00	-6.795E-06	8.304E+01	-8.304E+01	1.272E-05
65	6.500E+01	6.795E-06	6.795E-06	0.000E+00	-8.304E+01	0.000E+00

PROB (CONTD)

11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.480E-02	999		3.480E-02	0		0.000E+00	999		0.000E+00	999	
0	3.372E-02	999		3.372E-02	0		6.260E+01	999		6.260E+01	999	
1	3.266E-02	999		3.266E-02	0		1.265E+02	999		1.265E+02	999	
2	3.161E-02	999		3.161E-02	0		1.278E+02	999		1.278E+02	999	
3	3.058E-02	999		3.058E-02	0		1.290E+02	999		1.290E+02	999	
4	2.957E-02	0		2.957E-02	999		1.302E+02	999		1.302E+02	999	
5	2.857E-02	999		2.857E-02	0		1.314E+02	999		1.314E+02	999	
6	2.758E-02	999		2.758E-02	0		1.326E+02	999		1.326E+02	999	
7	2.662E-02	999		2.662E-02	0		1.338E+02	999		1.338E+02	999	
8	2.566E-02	999		2.566E-02	0		1.350E+02	999		1.350E+02	999	
9	2.473E-02	999		2.473E-02	0		1.361E+02	999		1.361E+02	999	
10	2.380E-02	0		2.380E-02	999		1.372E+02	999		1.372E+02	999	
11	2.290E-02	999		2.290E-02	0		1.383E+02	999		1.383E+02	999	
12	2.201E-02	0		2.201E-02	999		1.394E+02	999		1.394E+02	999	
13	2.114E-02	999		2.114E-02	0		1.405E+02	999		1.405E+02	999	
14	2.028E-02	999		2.028E-02	0		1.415E+02	999		1.415E+02	999	
15	1.944E-02	0		1.944E-02	999		1.425E+02	999		1.425E+02	999	
16	1.862E-02	0		1.862E-02	999		1.435E+02	999		1.435E+02	999	
17	1.782E-02	0		1.782E-02	999		1.445E+02	999		1.445E+02	999	
18	1.703E-02	999		1.703E-02	0		1.454E+02	999		1.454E+02	999	
19	1.626E-02	0		1.626E-02	999		1.464E+02	999		1.464E+02	999	
20	1.550E-02	0		1.550E-02	999		1.473E+02	999		1.473E+02	999	
21	1.476E-02	0		1.476E-02	999		1.482E+02	999		1.482E+02	999	
22	1.404E-02	999		1.404E-02	0		1.491E+02	999		1.491E+02	999	
23	1.334E-02	0		1.334E-02	999		1.499E+02	999		1.499E+02	999	
24	1.266E-02	999		1.266E-02	0		1.507E+02	999		1.507E+02	999	
25	1.199E-02	999		1.199E-02	0		1.515E+02	999		1.515E+02	999	
26	1.134E-02	999		1.134E-02	0		1.523E+02	999		1.523E+02	999	
27	1.071E-02	999		1.071E-02	0		1.531E+02	999		1.531E+02	999	
28	1.010E-02	999		1.010E-02	0		1.538E+02	999		1.538E+02	999	
29	9.506E-03	0		9.506E-03	999		1.546E+02	999		1.546E+02	999	
30	8.930E-03	0		8.930E-03	999		1.553E+02	999		1.553E+02	999	
31	8.371E-03	999		8.371E-03	0		1.559E+02	999		1.559E+02	999	
32	7.832E-03	0		7.832E-03	999		1.566E+02	999		1.566E+02	999	
33	7.310E-03	0		7.310E-03	999		1.572E+02	999		1.572E+02	999	
34	6.808E-03	0		6.808E-03	999		1.578E+02	999		1.578E+02	999	
35	6.323E-03	0		6.323E-03	999		1.584E+02	999		1.584E+02	999	
36	5.858E-03	999		5.858E-03	0		1.590E+02	999		1.590E+02	999	
37	5.411E-03	999		5.411E-03	0		1.595E+02	999		1.595E+02	999	
38	4.983E-03	999		4.983E-03	0		1.600E+02	999		1.600E+02	999	
39	4.574E-03	999		4.574E-03	0		1.605E+02	999		1.605E+02	999	
40	4.183E-03	999		4.183E-03	0		1.610E+02	999		1.610E+02	999	
41	3.812E-03	0		3.812E-03	999		1.615E+02	999		1.615E+02	999	
42	3.459E-03	999		3.459E-03	0		1.619E+02	999		1.619E+02	999	
43	3.126E-03	0		3.126E-03	999		1.623E+02	999		1.623E+02	999	
44	2.812E-03	999		2.812E-03	0		1.627E+02	999		1.627E+02	999	
45	2.517E-03	999		2.517E-03	0		1.630E+02	999		1.630E+02	999	
46	2.241E-03	999		2.241E-03	0		1.634E+02	999		1.634E+02	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	1.984E-03		999	1.984E-03		0	1.637E+02		999	1.637E+02		999
48	1.747E-03		999	1.747E-03		0	1.640E+02		999	1.640E+02		999
49	1.529E-03		0	1.529E-03		999	1.642E+02		999	1.642E+02		999
50	1.330E-03		999	1.330E-03		0	1.645E+02		999	1.645E+02		999
51	1.147E-03		0	1.147E-03		999	1.647E+02		999	1.647E+02		999
52	9.774E-04		999	9.774E-04		0	1.649E+02		999	1.649E+02		999
53	8.214E-04		0	8.214E-04		999	1.651E+02		999	1.651E+02		999
54	6.790E-04		0	6.790E-04		999	1.653E+02		999	1.653E+02		999
55	5.501E-04		0	5.501E-04		999	1.654E+02		999	1.654E+02		999
56	4.347E-04		999	4.347E-04		0	1.655E+02		999	1.655E+02		999
57	3.328E-04		0	3.328E-04		999	1.657E+02		999	1.657E+02		999
58	2.446E-04		999	2.446E-04		0	1.658E+02		999	1.658E+02		999
59	1.698E-04		0	1.698E-04		999	1.659E+02		999	1.659E+02		999
60	1.087E-04		0	1.087E-04		999	1.659E+02		999	1.659E+02		999
61	6.115E-05		999	6.115E-05		0	1.660E+02		999	1.660E+02		999
62	2.718E-05		999	2.718E-05		0	1.660E+02		999	1.660E+02		999
63	6.795E-06		0	6.795E-06		999	1.661E+02		999	1.661E+02		999
64	0.000E+00		999	0.000E+00		999	8.304E+01		999	8.304E+01		999
65	6.795E-06		0	6.795E-06		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	6.260E+01 999	6.260E+01 999	0.000E+00 999	0.000E+00 999
0	6.260E+01 999	6.260E+01 999	0.000E+00 999	0.000E+00 999
1	1.774E-06 999	1.774E-06 999	0.000E+00 999	0.000E+00 999
2	2.767E-06 999	2.767E-06 999	0.000E+00 999	0.000E+00 999
3	-1.125E-06 999	-1.125E-06 999	0.000E+00 999	0.000E+00 999
4	-4.898E-06 999	-4.898E-06 999	0.000E+00 999	0.000E+00 999
5	-3.575E-06 999	-3.575E-06 999	0.000E+00 999	0.000E+00 999
6	1.698E-07 999	1.698E-07 999	0.000E+00 999	0.000E+00 999
7	3.635E-06 999	3.635E-06 999	0.000E+00 999	0.000E+00 999
8	4.098E-06 999	4.098E-06 999	0.000E+00 999	0.000E+00 999
9	-1.191E-06 999	-1.191E-06 999	0.000E+00 999	0.000E+00 999
10	2.581E-07 999	2.581E-07 999	0.000E+00 999	0.000E+00 999
11	5.651E-06 999	5.651E-06 999	0.000E+00 999	0.000E+00 999
12	-3.087E-06 999	-3.087E-06 999	0.000E+00 999	0.000E+00 999
13	1.724E-06 999	1.724E-06 999	0.000E+00 999	0.000E+00 999
14	1.967E-06 999	1.967E-06 999	0.000E+00 999	0.000E+00 999
15	-5.239E-06 999	-5.239E-06 999	0.000E+00 999	0.000E+00 999
16	-7.537E-06 999	-7.537E-06 999	0.000E+00 999	0.000E+00 999
17	7.411E-06 999	7.411E-06 999	0.000E+00 999	0.000E+00 999
18	6.146E-06 999	6.146E-06 999	0.000E+00 999	0.000E+00 999
19	-1.429E-05 999	-1.429E-05 999	0.000E+00 999	0.000E+00 999
20	4.152E-06 999	4.152E-06 999	0.000E+00 999	0.000E+00 999
21	-2.556E-06 999	-2.556E-06 999	0.000E+00 999	0.000E+00 999
22	8.345E-06 999	8.345E-06 999	0.000E+00 999	0.000E+00 999
23	3.302E-06 999	3.302E-06 999	0.000E+00 999	0.000E+00 999
24	-5.477E-06 999	-5.477E-06 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	-5.802E-06 999	-5.802E-06 999	0.000E+00 999	0.000E+00 999
27	-7.582E-07 999	-7.582E-07 999	0.000E+00 999	0.000E+00 999
28	6.554E-06 999	6.554E-06 999	0.000E+00 999	0.000E+00 999
29	-2.241E-06 999	-2.241E-06 999	0.000E+00 999	0.000E+00 999
30	2.432E-07 999	2.432E-07 999	0.000E+00 999	0.000E+00 999
31	-4.399E-06 999	-4.399E-06 999	0.000E+00 999	0.000E+00 999
32	1.119E-05 999	1.119E-05 999	0.000E+00 999	0.000E+00 999
33	-1.941E-06 999	-1.941E-06 999	0.000E+00 999	0.000E+00 999
34	-1.203E-06 999	-1.203E-06 999	0.000E+00 999	0.000E+00 999
35	-5.055E-06 999	-5.055E-06 999	0.000E+00 999	0.000E+00 999
36	-1.451E-06 999	-1.451E-06 999	0.000E+00 999	0.000E+00 999
37	6.383E-06 999	6.383E-06 999	0.000E+00 999	0.000E+00 999
38	-4.651E-08 999	-4.651E-08 999	0.000E+00 999	0.000E+00 999
39	-8.729E-06 999	-8.729E-06 999	0.000E+00 999	0.000E+00 999
40	7.596E-06 999	7.596E-06 999	0.000E+00 999	0.000E+00 999
41	-1.168E-07 999	-1.168E-07 999	0.000E+00 999	0.000E+00 999
42	-4.627E-06 999	-4.627E-06 999	0.000E+00 999	0.000E+00 999
43	6.038E-06 999	6.038E-06 999	0.000E+00 999	0.000E+00 999
44	-1.936E-06 999	-1.936E-06 999	0.000E+00 999	0.000E+00 999
45	-1.335E-06 999	-1.335E-06 999	0.000E+00 999	0.000E+00 999
46	4.530E-06 999	4.530E-06 999	0.000E+00 999	0.000E+00 999
47	-2.918E-06 999	-2.918E-06 999	0.000E+00 999	0.000E+00 999
48	3.512E-06 999	3.512E-06 999	0.000E+00 999	0.000E+00 999
49	-1.003E-05 999	-1.003E-05 999	0.000E+00 999	0.000E+00 999
50	-1.102E-06 999	-1.102E-06 999	0.000E+00 999	0.000E+00 999
51	4.845E-06 999	4.845E-06 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	-8.118E-07 999	-8.118E-07 999	0.000E+00 999	0.000E+00 999
53	-1.352E-06 999	-1.352E-06 999	0.000E+00 999	0.000E+00 999
54	1.602E-06 999	1.602E-06 999	0.000E+00 999	0.000E+00 999
55	6.425E-06 999	6.425E-06 999	0.000E+00 999	0.000E+00 999
56	-3.767E-06 999	-3.767E-06 999	0.000E+00 999	0.000E+00 999
57	-8.522E-08 999	-8.522E-08 999	0.000E+00 999	0.000E+00 999
58	5.835E-07 999	5.835E-07 999	0.000E+00 999	0.000E+00 999
59	-3.392E-06 999	-3.392E-06 999	0.000E+00 999	0.000E+00 999
60	1.617E-06 999	1.617E-06 999	0.000E+00 999	0.000E+00 999
61	-1.281E-06 999	-1.281E-06 999	0.000E+00 999	0.000E+00 999
62	1.539E-06 999	1.539E-06 999	0.000E+00 999	0.000E+00 999
63	8.445E-06 999	8.445E-06 999	0.000E+00 999	0.000E+00 999
64	-8.304E+01 999	-8.304E+01 999	1.272E-05 999	1.272E-05 999
65	-8.304E+01 999	-8.304E+01 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	1	2	0	0
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		DEFL	MOM	SHR	RCT	
		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	6.270E+01	0.000E+00	1.486E+03	0.000E+00	-1.212E+03	
0	50	0	3.398E+07	2.240E-01	0.000E+00	0.000E+00	0.000E+00	-1.212E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
12                    Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.467E-01		0.000E+00		0.000E+00
0	0.000E+00	1.418E-01	-4.814E-03	7.429E+02	7.429E+02	0.000E+00
1	1.000E+00	1.371E-01	-4.770E-03	1.554E+03	8.057E+02	0.000E+00
2	2.000E+00	1.324E-01	-4.725E-03	1.623E+03	6.304E+01	0.000E+00
3	3.000E+00	1.324E-01	-4.677E-03	1.623E+03	6.326E+01	0.000E+00
4	4.000E+00	1.277E-01	-4.627E-03	1.692E+03	6.348E+01	0.000E+00
5	5.000E+00	1.230E-01	-4.575E-03	1.761E+03	6.371E+01	0.000E+00
6	6.000E+00	1.185E-01	-4.521E-03	1.830E+03	6.393E+01	0.000E+00
7	7.000E+00	1.140E-01	-4.465E-03	1.900E+03	6.416E+01	0.000E+00
8	8.000E+00	1.095E-01	-4.407E-03	1.969E+03	6.438E+01	0.000E+00
9	9.000E+00	1.051E-01	-4.347E-03	2.039E+03	6.460E+01	0.000E+00
10	1.000E+01	1.007E-01	-4.285E-03	2.109E+03	6.483E+01	0.000E+00
11	1.100E+01	9.645E-02	-4.221E-03	2.179E+03	6.505E+01	0.000E+00
12	1.200E+01	9.222E-02	-4.155E-03	2.249E+03	6.528E+01	0.000E+00
13	1.300E+01	8.807E-02	-4.087E-03	2.320E+03	6.550E+01	0.000E+00
14	1.400E+01	8.398E-02	-4.016E-03	2.390E+03	6.572E+01	0.000E+00
15	1.500E+01	7.997E-02	-3.944E-03	2.461E+03	6.595E+01	0.000E+00
16	1.600E+01	7.602E-02	-3.870E-03	2.531E+03	6.617E+01	0.000E+00
17	1.700E+01	7.215E-02	-3.793E-03	2.602E+03	6.640E+01	0.000E+00
18	1.800E+01	6.836E-02	-3.714E-03	2.673E+03	6.662E+01	0.000E+00
19	1.900E+01	6.465E-02	-3.634E-03	2.744E+03	6.684E+01	0.000E+00
20	2.000E+01	6.101E-02	-3.551E-03	2.816E+03	6.707E+01	0.000E+00
21	2.100E+01	5.746E-02	-3.466E-03	2.887E+03	6.729E+01	0.000E+00
22	2.200E+01	5.400E-02		2.958E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.062E-02	-3.379E-03	3.030E+03	6.752E+01	0.000E+00
23	2.300E+01	4.733E-02	-3.290E-03	3.102E+03	6.774E+01	0.000E+00
24	2.400E+01	4.413E-02	-3.198E-03	3.174E+03	6.796E+01	0.000E+00
25	2.500E+01	4.102E-02	-3.105E-03	3.246E+03	6.819E+01	0.000E+00
26	2.600E+01	3.801E-02	-3.009E-03	3.318E+03	6.841E+01	0.000E+00
27	2.700E+01	3.510E-02	-2.912E-03	3.390E+03	6.864E+01	0.000E+00
28	2.800E+01	3.229E-02	-2.812E-03	3.462E+03	6.886E+01	0.000E+00
29	2.900E+01	2.958E-02	-2.710E-03	3.534E+03	6.908E+01	0.000E+00
30	3.000E+01	2.698E-02	-2.606E-03	3.607E+03	6.931E+01	0.000E+00
31	3.100E+01	2.448E-02	-2.500E-03	3.679E+03	6.953E+01	0.000E+00
32	3.200E+01	2.208E-02	-2.392E-03	3.752E+03	6.976E+01	0.000E+00
33	3.300E+01	1.980E-02	-2.281E-03	3.825E+03	6.998E+01	0.000E+00
34	3.400E+01	1.763E-02	-2.169E-03	3.898E+03	7.020E+01	0.000E+00
35	3.500E+01	1.558E-02	-2.054E-03	3.971E+03	7.043E+01	0.000E+00
36	3.600E+01	1.364E-02	-1.937E-03	4.044E+03	7.065E+01	0.000E+00
37	3.700E+01	1.182E-02	-1.818E-03	4.117E+03	7.088E+01	0.000E+00
38	3.800E+01	1.013E-02	-1.697E-03	4.190E+03	7.110E+01	0.000E+00
39	3.900E+01	8.554E-03	-1.574E-03	4.263E+03	7.132E+01	0.000E+00
40	4.000E+01	7.106E-03	-1.448E-03	4.263E+03	7.155E+01	0.000E+00
41	4.100E+01	5.785E-03	-1.321E-03	4.336E+03	7.177E+01	0.000E+00
42	4.200E+01	4.595E-03	-1.191E-03	4.410E+03	7.200E+01	0.000E+00
43	4.300E+01	3.536E-03	-1.059E-03	4.483E+03	7.222E+01	0.000E+00
44	4.400E+01	2.611E-03	-9.248E-04	4.557E+03	7.244E+01	0.000E+00
45	4.500E+01	1.823E-03	-7.885E-04	4.630E+03	7.267E+01	0.000E+00
46	4.600E+01	1.173E-03	-6.501E-04	4.704E+03	7.289E+01	0.000E+00
47	4.700E+01	6.631E-04	-5.095E-04	4.778E+03	7.312E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.964E-04	-3.667E-04	4.925E+03	7.334E+01	0.000E+00
49	4.900E+01	7.464E-05	-2.218E-04	4.999E+03	7.356E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.464E-05	2.536E+03	-2.463E+03	-7.390E+01
51	5.100E+01	7.464E-05	7.464E-05	0.000E+00	-2.536E+03	0.000E+00



PROB (CONTD)

12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.467E-01		0	1.467E-01		999	0.000E+00		999	0.000E+00		999
0	1.418E-01		0	1.418E-01		999	7.429E+02		999	7.429E+02		999
1	1.371E-01		999	1.371E-01		0	1.554E+03		999	1.554E+03		999
2	1.324E-01		999	1.324E-01		0	1.623E+03		999	1.623E+03		999
3	1.277E-01		999	1.277E-01		0	1.692E+03		999	1.692E+03		999
4	1.230E-01		0	1.230E-01		999	1.761E+03		999	1.761E+03		999
5	1.185E-01		0	1.185E-01		999	1.830E+03		999	1.830E+03		999
6	1.140E-01		999	1.140E-01		0	1.900E+03		999	1.900E+03		999
7	1.095E-01		999	1.095E-01		0	1.969E+03		999	1.969E+03		999
8	1.051E-01		999	1.051E-01		0	2.039E+03		999	2.039E+03		999
9	1.007E-01		0	1.007E-01		999	2.109E+03		999	2.109E+03		999
10	9.645E-02		999	9.645E-02		0	2.179E+03		999	2.179E+03		999
11	9.222E-02		999	9.222E-02		0	2.249E+03		999	2.249E+03		999
12	8.807E-02		0	8.807E-02		999	2.320E+03		999	2.320E+03		999
13	8.398E-02		0	8.398E-02		999	2.390E+03		999	2.390E+03		999
14	7.997E-02		0	7.997E-02		999	2.461E+03		999	2.461E+03		999
15	7.602E-02		0	7.602E-02		999	2.531E+03		999	2.531E+03		999
16	7.215E-02		0	7.215E-02		999	2.602E+03		999	2.602E+03		999
17	6.836E-02		999	6.836E-02		0	2.673E+03		999	2.673E+03		999
18	6.465E-02		999	6.465E-02		0	2.744E+03		999	2.744E+03		999
19	6.101E-02		999	6.101E-02		0	2.816E+03		999	2.816E+03		999
20	5.746E-02		0	5.746E-02		999	2.887E+03		999	2.887E+03		999
21	5.400E-02		999	5.400E-02		0	2.958E+03		999	2.958E+03		999
22	5.062E-02		0	5.062E-02		999	3.030E+03		999	3.030E+03		999
23	4.733E-02		999	4.733E-02		0	3.102E+03		999	3.102E+03		999
24	4.413E-02		999	4.413E-02		0	3.174E+03		999	3.174E+03		999
25	4.102E-02		999	4.102E-02		0	3.246E+03		999	3.246E+03		999
26	3.801E-02		0	3.801E-02		999	3.318E+03		999	3.318E+03		999
27	3.510E-02		0	3.510E-02		999	3.390E+03		999	3.390E+03		999
28	3.229E-02		0	3.229E-02		999	3.462E+03		999	3.462E+03		999
29	2.958E-02		0	2.958E-02		999	3.534E+03		999	3.534E+03		999
30	2.698E-02		0	2.698E-02		999	3.607E+03		999	3.607E+03		999
31	2.448E-02		0	2.448E-02		999	3.679E+03		999	3.679E+03		999
32	2.208E-02		999	2.208E-02		0	3.752E+03		999	3.752E+03		999
33	1.980E-02		0	1.980E-02		999	3.825E+03		999	3.825E+03		999
34	1.763E-02		999	1.763E-02		0	3.898E+03		999	3.898E+03		999
35	1.558E-02		0	1.558E-02		999	3.971E+03		999	3.971E+03		999
36	1.364E-02		999	1.364E-02		0	4.044E+03		999	4.044E+03		999
37	1.182E-02		999	1.182E-02		0	4.117E+03		999	4.117E+03		999
38	1.013E-02		999	1.013E-02		0	4.190E+03		999	4.190E+03		999
39	8.554E-03		999	8.554E-03		0	4.263E+03		999	4.263E+03		999
40	7.106E-03		0	7.106E-03		999	4.336E+03		999	4.336E+03		999
41	5.785E-03		0	5.785E-03		999	4.410E+03		999	4.410E+03		999
42	4.595E-03		0	4.595E-03		999	4.483E+03		999	4.483E+03		999
43	3.536E-03		0	3.536E-03		999	4.557E+03		999	4.557E+03		999
44	2.611E-03		0	2.611E-03		999	4.630E+03		999	4.630E+03		999
45	1.823E-03		999	1.823E-03		0	4.704E+03		999	4.704E+03		999
46	1.173E-03		0	1.173E-03		999	4.778E+03		999	4.778E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.631E-04		0	6.631E-04		999	4.851E+03		999	4.851E+03		999
48	2.964E-04		0	2.964E-04		999	4.925E+03		999	4.925E+03		999
49	7.464E-05		0	7.464E-05		999	4.999E+03		999	4.999E+03		999
50	0.000E+00		999	0.000E+00		999	2.536E+03		999	2.536E+03		999
51	7.464E-05		0	7.464E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	7.429E+02 999	7.429E+02 999	0.000E+00 999	0.000E+00 999
0	8.057E+02 999	8.057E+02 999	0.000E+00 999	0.000E+00 999
1	6.304E+01 999	6.304E+01 999	0.000E+00 999	0.000E+00 999
2	6.326E+01 999	6.326E+01 999	0.000E+00 999	0.000E+00 999
3	6.348E+01 999	6.348E+01 999	0.000E+00 999	0.000E+00 999
4	6.371E+01 999	6.371E+01 999	0.000E+00 999	0.000E+00 999
5	6.393E+01 999	6.393E+01 999	0.000E+00 999	0.000E+00 999
6	6.416E+01 999	6.416E+01 999	0.000E+00 999	0.000E+00 999
7	6.438E+01 999	6.438E+01 999	0.000E+00 999	0.000E+00 999
8	6.460E+01 999	6.460E+01 999	0.000E+00 999	0.000E+00 999
9	6.483E+01 999	6.483E+01 999	0.000E+00 999	0.000E+00 999
10	6.505E+01 999	6.505E+01 999	0.000E+00 999	0.000E+00 999
11	6.528E+01 999	6.528E+01 999	0.000E+00 999	0.000E+00 999
12	6.550E+01 999	6.550E+01 999	0.000E+00 999	0.000E+00 999
13	6.572E+01 999	6.572E+01 999	0.000E+00 999	0.000E+00 999
14	6.595E+01 999	6.595E+01 999	0.000E+00 999	0.000E+00 999
15	6.617E+01 999	6.617E+01 999	0.000E+00 999	0.000E+00 999
16	6.640E+01 999	6.640E+01 999	0.000E+00 999	0.000E+00 999
17	6.662E+01 999	6.662E+01 999	0.000E+00 999	0.000E+00 999
18	6.684E+01 999	6.684E+01 999	0.000E+00 999	0.000E+00 999
19	6.707E+01 999	6.707E+01 999	0.000E+00 999	0.000E+00 999
20	6.729E+01 999	6.729E+01 999	0.000E+00 999	0.000E+00 999
21	6.752E+01 999	6.752E+01 999	0.000E+00 999	0.000E+00 999
22	6.774E+01 999	6.774E+01 999	0.000E+00 999	0.000E+00 999
23	6.796E+01 999	6.796E+01 999	0.000E+00 999	0.000E+00 999
24	6.819E+01 999	6.819E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.841E+01 999	6.841E+01 999	0.000E+00 999	0.000E+00 999
27	6.864E+01 999	6.864E+01 999	0.000E+00 999	0.000E+00 999
28	6.886E+01 999	6.886E+01 999	0.000E+00 999	0.000E+00 999
29	6.908E+01 999	6.908E+01 999	0.000E+00 999	0.000E+00 999
30	6.931E+01 999	6.931E+01 999	0.000E+00 999	0.000E+00 999
31	6.953E+01 999	6.953E+01 999	0.000E+00 999	0.000E+00 999
32	6.976E+01 999	6.976E+01 999	0.000E+00 999	0.000E+00 999
33	6.998E+01 999	6.998E+01 999	0.000E+00 999	0.000E+00 999
34	7.020E+01 999	7.020E+01 999	0.000E+00 999	0.000E+00 999
35	7.043E+01 999	7.043E+01 999	0.000E+00 999	0.000E+00 999
36	7.065E+01 999	7.065E+01 999	0.000E+00 999	0.000E+00 999
37	7.088E+01 999	7.088E+01 999	0.000E+00 999	0.000E+00 999
38	7.110E+01 999	7.110E+01 999	0.000E+00 999	0.000E+00 999
39	7.132E+01 999	7.132E+01 999	0.000E+00 999	0.000E+00 999
40	7.155E+01 999	7.155E+01 999	0.000E+00 999	0.000E+00 999
41	7.177E+01 999	7.177E+01 999	0.000E+00 999	0.000E+00 999
42	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
43	7.222E+01 999	7.222E+01 999	0.000E+00 999	0.000E+00 999
44	7.244E+01 999	7.244E+01 999	0.000E+00 999	0.000E+00 999
45	7.267E+01 999	7.267E+01 999	0.000E+00 999	0.000E+00 999
46	7.289E+01 999	7.289E+01 999	0.000E+00 999	0.000E+00 999
47	7.312E+01 999	7.312E+01 999	0.000E+00 999	0.000E+00 999
48	7.334E+01 999	7.334E+01 999	0.000E+00 999	0.000E+00 999
49	7.356E+01 999	7.356E+01 999	0.000E+00 999	0.000E+00 999
50	-2.463E+03 999	-2.463E+03 999	-7.390E+01 999	-7.390E+01 999
51	-2.536E+03 999	-2.536E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	8.600E+00	0.000E+00	1.774E+02	0.000E+00	-1.324E+03
0	50	0	8.496E+06	1.160E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.324E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
13        Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.784E-01		0.000E+00		0.000E+00
0	0.000E+00	1.738E-01	-4.588E-03	8.870E+01	8.870E+01	0.000E+00
1	1.000E+00	1.693E-01	-4.567E-03	1.921E+02	9.736E+01	0.000E+00
2	2.000E+00	1.647E-01	-4.545E-03	2.069E+02	8.774E+00	0.000E+00
3	3.000E+00	1.602E-01	-4.521E-03	2.218E+02	8.890E+00	0.000E+00
4	4.000E+00	1.557E-01	-4.494E-03	2.367E+02	9.006E+00	0.000E+00
5	5.000E+00	1.512E-01	-4.467E-03	2.518E+02	9.122E+00	0.000E+00
6	6.000E+00	1.468E-01	-4.437E-03	2.669E+02	9.238E+00	0.000E+00
7	7.000E+00	1.424E-01	-4.405E-03	2.821E+02	9.354E+00	0.000E+00
8	8.000E+00	1.380E-01	-4.372E-03	2.973E+02	9.470E+00	0.000E+00
9	9.000E+00	1.337E-01	-4.337E-03	3.127E+02	9.586E+00	0.000E+00
10	1.000E+01	1.294E-01	-4.301E-03	3.280E+02	9.702E+00	0.000E+00
11	1.100E+01	1.251E-01	-4.262E-03	3.435E+02	9.818E+00	0.000E+00
12	1.200E+01	1.209E-01	-4.221E-03	3.590E+02	9.934E+00	0.000E+00
13	1.300E+01	1.167E-01	-4.179E-03	3.746E+02	1.005E+01	0.000E+00
14	1.400E+01	1.126E-01	-4.135E-03	3.903E+02	1.017E+01	0.000E+00
15	1.500E+01	1.085E-01	-4.089E-03	4.060E+02	1.028E+01	0.000E+00
16	1.600E+01	1.044E-01	-4.041E-03	4.217E+02	1.040E+01	0.000E+00
17	1.700E+01	1.005E-01	-3.992E-03	4.375E+02	1.051E+01	0.000E+00
18	1.800E+01	9.652E-02	-3.940E-03	4.533E+02	1.063E+01	0.000E+00
19	1.900E+01	9.263E-02	-3.887E-03	4.692E+02	1.075E+01	0.000E+00
20	2.000E+01	8.880E-02	-3.832E-03	4.852E+02	1.086E+01	0.000E+00
21	2.100E+01	8.502E-02	-3.775E-03	5.011E+02	1.098E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	8.131E-02	-3.716E-03	5.172E+02	1.109E+01	0.000E+00
23	2.300E+01	7.765E-02	-3.655E-03	5.332E+02	1.121E+01	0.000E+00
24	2.400E+01	7.406E-02	-3.592E-03	5.493E+02	1.133E+01	0.000E+00
25	2.500E+01	7.053E-02	-3.527E-03	5.654E+02	1.144E+01	0.000E+00
26	2.600E+01	6.707E-02	-3.461E-03	5.815E+02	1.156E+01	0.000E+00
27	2.700E+01	6.368E-02	-3.392E-03	5.977E+02	1.167E+01	0.000E+00
28	2.800E+01	6.036E-02	-3.322E-03	6.139E+02	1.179E+01	0.000E+00
29	2.900E+01	5.711E-02	-3.250E-03	6.301E+02	1.191E+01	0.000E+00
30	3.000E+01	5.393E-02	-3.176E-03	6.463E+02	1.202E+01	0.000E+00
31	3.100E+01	5.083E-02	-3.099E-03	6.626E+02	1.214E+01	0.000E+00
32	3.200E+01	4.781E-02	-3.021E-03	6.788E+02	1.225E+01	0.000E+00
33	3.300E+01	4.487E-02	-2.942E-03	6.951E+02	1.237E+01	0.000E+00
34	3.400E+01	4.201E-02	-2.860E-03	7.114E+02	1.249E+01	0.000E+00
35	3.500E+01	3.924E-02	-2.776E-03	7.276E+02	1.260E+01	0.000E+00
36	3.600E+01	3.654E-02	-2.690E-03	7.439E+02	1.272E+01	0.000E+00
37	3.700E+01	3.394E-02	-2.603E-03	7.602E+02	1.283E+01	0.000E+00
38	3.800E+01	3.143E-02	-2.513E-03	7.765E+02	1.295E+01	0.000E+00
39	3.900E+01	2.901E-02	-2.422E-03	7.928E+02	1.307E+01	0.000E+00
40	4.000E+01	2.668E-02	-2.329E-03	8.090E+02	1.318E+01	0.000E+00
41	4.100E+01	2.444E-02	-2.233E-03	8.253E+02	1.330E+01	0.000E+00
42	4.200E+01	2.231E-02	-2.136E-03	8.415E+02	1.341E+01	0.000E+00
43	4.300E+01	2.027E-02	-2.037E-03	8.577E+02	1.353E+01	0.000E+00
44	4.400E+01	1.833E-02	-1.936E-03	8.740E+02	1.365E+01	0.000E+00
45	4.500E+01	1.650E-02	-1.833E-03	8.901E+02	1.376E+01	0.000E+00
46	4.600E+01	1.477E-02	-1.729E-03	9.063E+02	1.388E+01	0.000E+00
47	4.700E+01	1.315E-02	-1.622E-03	9.225E+02	1.399E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.164E-02	-1.513E-03	9.386E+02	1.411E+01	0.000E+00
49	4.900E+01	1.023E-02	-1.403E-03	9.546E+02	1.423E+01	0.000E+00
50	5.000E+01	8.944E-03	-1.291E-03	9.707E+02	1.434E+01	0.000E+00
51	5.100E+01	7.747E-03	-1.197E-03	9.867E+02	1.440E+01	0.000E+00
52	5.200E+01	6.631E-03	-1.116E-03	1.003E+03	1.440E+01	0.000E+00
53	5.300E+01	5.597E-03	-1.034E-03	1.018E+03	1.440E+01	0.000E+00
54	5.400E+01	4.646E-03	-9.507E-04	1.034E+03	1.440E+01	0.000E+00
55	5.500E+01	3.780E-03	-8.661E-04	1.050E+03	1.440E+01	0.000E+00
56	5.600E+01	3.000E-03	-7.802E-04	1.065E+03	1.440E+01	0.000E+00
57	5.700E+01	2.307E-03	-6.931E-04	1.080E+03	1.440E+01	0.000E+00
58	5.800E+01	1.702E-03	-6.046E-04	1.095E+03	1.440E+01	0.000E+00
59	5.900E+01	1.187E-03	-5.150E-04	1.111E+03	1.440E+01	0.000E+00
60	6.000E+01	7.633E-04	-4.241E-04	1.126E+03	1.440E+01	0.000E+00
61	6.100E+01	4.313E-04	-3.320E-04	1.140E+03	1.440E+01	0.000E+00
62	6.200E+01	1.926E-04	-2.387E-04	1.155E+03	1.440E+01	0.000E+00
63	6.300E+01	4.845E-05	-1.442E-04	1.170E+03	1.440E+01	0.000E+00
64	6.400E+01	0.000E+00	-4.845E-05	5.921E+02	-5.777E+02	-1.440E+01
65	6.500E+01	4.845E-05	4.845E-05	0.000E+00	-5.921E+02	0.000E+00

PROB (CONTD)

13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.784E-01		0	1.784E-01		999	0.000E+00		999	0.000E+00		999
0	1.738E-01		999	1.738E-01		0	8.870E+01		999	8.870E+01		999
1	1.693E-01		999	1.693E-01		0	1.921E+02		999	1.921E+02		999
2	1.647E-01		0	1.647E-01		999	2.069E+02		999	2.069E+02		999
3	1.602E-01		0	1.602E-01		999	2.218E+02		999	2.218E+02		999
4	1.557E-01		999	1.557E-01		0	2.367E+02		999	2.367E+02		999
5	1.512E-01		0	1.512E-01		999	2.518E+02		999	2.518E+02		999
6	1.468E-01		0	1.468E-01		999	2.669E+02		999	2.669E+02		999
7	1.424E-01		0	1.424E-01		999	2.821E+02		999	2.821E+02		999
8	1.380E-01		0	1.380E-01		999	2.973E+02		999	2.973E+02		999
9	1.337E-01		999	1.337E-01		0	3.127E+02		999	3.127E+02		999
10	1.294E-01		999	1.294E-01		0	3.280E+02		999	3.280E+02		999
11	1.251E-01		0	1.251E-01		999	3.435E+02		999	3.435E+02		999
12	1.209E-01		999	1.209E-01		0	3.590E+02		999	3.590E+02		999
13	1.167E-01		0	1.167E-01		999	3.746E+02		999	3.746E+02		999
14	1.126E-01		999	1.126E-01		0	3.903E+02		999	3.903E+02		999
15	1.085E-01		999	1.085E-01		0	4.060E+02		999	4.060E+02		999
16	1.044E-01		999	1.044E-01		0	4.217E+02		999	4.217E+02		999
17	1.005E-01		0	1.005E-01		999	4.375E+02		999	4.375E+02		999
18	9.652E-02		0	9.652E-02		999	4.533E+02		999	4.533E+02		999
19	9.263E-02		999	9.263E-02		0	4.692E+02		999	4.692E+02		999
20	8.880E-02		999	8.880E-02		0	4.852E+02		999	4.852E+02		999
21	8.502E-02		0	8.502E-02		999	5.011E+02		999	5.011E+02		999
22	8.131E-02		0	8.131E-02		999	5.172E+02		999	5.172E+02		999
23	7.765E-02		999	7.765E-02		0	5.332E+02		999	5.332E+02		999
24	7.406E-02		999	7.406E-02		0	5.493E+02		999	5.493E+02		999
25	7.053E-02		0	7.053E-02		999	5.654E+02		999	5.654E+02		999
26	6.707E-02		0	6.707E-02		999	5.815E+02		999	5.815E+02		999
27	6.368E-02		999	6.368E-02		0	5.977E+02		999	5.977E+02		999
28	6.036E-02		0	6.036E-02		999	6.139E+02		999	6.139E+02		999
29	5.711E-02		0	5.711E-02		999	6.301E+02		999	6.301E+02		999
30	5.393E-02		999	5.393E-02		0	6.463E+02		999	6.463E+02		999
31	5.083E-02		999	5.083E-02		0	6.626E+02		999	6.626E+02		999
32	4.781E-02		999	4.781E-02		0	6.788E+02		999	6.788E+02		999
33	4.487E-02		0	4.487E-02		999	6.951E+02		999	6.951E+02		999
34	4.201E-02		0	4.201E-02		999	7.114E+02		999	7.114E+02		999
35	3.924E-02		0	3.924E-02		999	7.276E+02		999	7.276E+02		999
36	3.654E-02		0	3.654E-02		999	7.439E+02		999	7.439E+02		999
37	3.394E-02		0	3.394E-02		999	7.602E+02		999	7.602E+02		999
38	3.143E-02		0	3.143E-02		999	7.765E+02		999	7.765E+02		999
39	2.901E-02		0	2.901E-02		999	7.928E+02		999	7.928E+02		999
40	2.668E-02		0	2.668E-02		999	8.090E+02		999	8.090E+02		999
41	2.444E-02		0	2.444E-02		999	8.253E+02		999	8.253E+02		999
42	2.231E-02		999	2.231E-02		0	8.415E+02		999	8.415E+02		999
43	2.027E-02		999	2.027E-02		0	8.577E+02		999	8.577E+02		999
44	1.833E-02		999	1.833E-02		0	8.740E+02		999	8.740E+02		999
45	1.650E-02		0	1.650E-02		999	8.901E+02		999	8.901E+02		999
46	1.477E-02		999	1.477E-02		0	9.063E+02		999	9.063E+02		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	1.315E-02		0	1.315E-02		999	9.225E+02		999	9.225E+02		999
48	1.164E-02		0	1.164E-02		999	9.386E+02		999	9.386E+02		999
49	1.023E-02		999	1.023E-02		0	9.546E+02		999	9.546E+02		999
50	8.944E-03		0	8.944E-03		999	9.707E+02		999	9.707E+02		999
51	7.747E-03		0	7.747E-03		999	9.867E+02		999	9.867E+02		999
52	6.631E-03		0	6.631E-03		999	1.003E+03		999	1.003E+03		999
53	5.597E-03		999	5.597E-03		0	1.018E+03		999	1.018E+03		999
54	4.646E-03		999	4.646E-03		0	1.034E+03		999	1.034E+03		999
55	3.780E-03		999	3.780E-03		0	1.050E+03		999	1.050E+03		999
56	3.000E-03		0	3.000E-03		999	1.065E+03		999	1.065E+03		999
57	2.307E-03		999	2.307E-03		0	1.080E+03		999	1.080E+03		999
58	1.702E-03		999	1.702E-03		0	1.095E+03		999	1.095E+03		999
59	1.187E-03		0	1.187E-03		999	1.111E+03		999	1.111E+03		999
60	7.633E-04		0	7.633E-04		999	1.126E+03		999	1.126E+03		999
61	4.313E-04		0	4.313E-04		999	1.140E+03		999	1.140E+03		999
62	1.926E-04		999	1.926E-04		0	1.155E+03		999	1.155E+03		999
63	4.845E-05		0	4.845E-05		999	1.170E+03		999	1.170E+03		999
64	0.000E+00		999	0.000E+00		999	5.921E+02		999	5.921E+02		999
65	4.845E-05		0	4.845E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	8.870E+01 999	8.870E+01 999	0.000E+00 999	0.000E+00 999
0	9.736E+01 999	9.736E+01 999	0.000E+00 999	0.000E+00 999
1	8.774E+00 999	8.774E+00 999	0.000E+00 999	0.000E+00 999
2	8.890E+00 999	8.890E+00 999	0.000E+00 999	0.000E+00 999
3	9.006E+00 999	9.006E+00 999	0.000E+00 999	0.000E+00 999
4	9.122E+00 999	9.122E+00 999	0.000E+00 999	0.000E+00 999
5	9.238E+00 999	9.238E+00 999	0.000E+00 999	0.000E+00 999
6	9.354E+00 999	9.354E+00 999	0.000E+00 999	0.000E+00 999
7	9.470E+00 999	9.470E+00 999	0.000E+00 999	0.000E+00 999
8	9.586E+00 999	9.586E+00 999	0.000E+00 999	0.000E+00 999
9	9.702E+00 999	9.702E+00 999	0.000E+00 999	0.000E+00 999
10	9.818E+00 999	9.818E+00 999	0.000E+00 999	0.000E+00 999
11	9.934E+00 999	9.934E+00 999	0.000E+00 999	0.000E+00 999
12	1.005E+01 999	1.005E+01 999	0.000E+00 999	0.000E+00 999
13	1.017E+01 999	1.017E+01 999	0.000E+00 999	0.000E+00 999
14	1.028E+01 999	1.028E+01 999	0.000E+00 999	0.000E+00 999
15	1.040E+01 999	1.040E+01 999	0.000E+00 999	0.000E+00 999
16	1.051E+01 999	1.051E+01 999	0.000E+00 999	0.000E+00 999
17	1.063E+01 999	1.063E+01 999	0.000E+00 999	0.000E+00 999
18	1.075E+01 999	1.075E+01 999	0.000E+00 999	0.000E+00 999
19	1.086E+01 999	1.086E+01 999	0.000E+00 999	0.000E+00 999
20	1.098E+01 999	1.098E+01 999	0.000E+00 999	0.000E+00 999
21	1.109E+01 999	1.109E+01 999	0.000E+00 999	0.000E+00 999
22	1.121E+01 999	1.121E+01 999	0.000E+00 999	0.000E+00 999
23	1.133E+01 999	1.133E+01 999	0.000E+00 999	0.000E+00 999
24	1.144E+01 999	1.144E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	1.156E+01 999	1.156E+01 999	0.000E+00 999	0.000E+00 999
27	1.167E+01 999	1.167E+01 999	0.000E+00 999	0.000E+00 999
28	1.179E+01 999	1.179E+01 999	0.000E+00 999	0.000E+00 999
29	1.191E+01 999	1.191E+01 999	0.000E+00 999	0.000E+00 999
30	1.202E+01 999	1.202E+01 999	0.000E+00 999	0.000E+00 999
31	1.214E+01 999	1.214E+01 999	0.000E+00 999	0.000E+00 999
32	1.225E+01 999	1.225E+01 999	0.000E+00 999	0.000E+00 999
33	1.237E+01 999	1.237E+01 999	0.000E+00 999	0.000E+00 999
34	1.249E+01 999	1.249E+01 999	0.000E+00 999	0.000E+00 999
35	1.260E+01 999	1.260E+01 999	0.000E+00 999	0.000E+00 999
36	1.272E+01 999	1.272E+01 999	0.000E+00 999	0.000E+00 999
37	1.283E+01 999	1.283E+01 999	0.000E+00 999	0.000E+00 999
38	1.295E+01 999	1.295E+01 999	0.000E+00 999	0.000E+00 999
39	1.307E+01 999	1.307E+01 999	0.000E+00 999	0.000E+00 999
40	1.318E+01 999	1.318E+01 999	0.000E+00 999	0.000E+00 999
41	1.330E+01 999	1.330E+01 999	0.000E+00 999	0.000E+00 999
42	1.341E+01 999	1.341E+01 999	0.000E+00 999	0.000E+00 999
43	1.353E+01 999	1.353E+01 999	0.000E+00 999	0.000E+00 999
44	1.365E+01 999	1.365E+01 999	0.000E+00 999	0.000E+00 999
45	1.376E+01 999	1.376E+01 999	0.000E+00 999	0.000E+00 999
46	1.388E+01 999	1.388E+01 999	0.000E+00 999	0.000E+00 999
47	1.399E+01 999	1.399E+01 999	0.000E+00 999	0.000E+00 999
48	1.411E+01 999	1.411E+01 999	0.000E+00 999	0.000E+00 999
49	1.423E+01 999	1.423E+01 999	0.000E+00 999	0.000E+00 999
50	1.434E+01 999	1.434E+01 999	0.000E+00 999	0.000E+00 999
51	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
53	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
54	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
55	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
56	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
57	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
58	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
59	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
60	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
61	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
62	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
63	1.440E+01 999	1.440E+01 999	0.000E+00 999	0.000E+00 999
64	-5.777E+02 999	-5.777E+02 999	-1.440E+01 999	-1.440E+01 999
65	-5.921E+02 999	-5.921E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
 14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.530E+01	0.000E+00	3.737E+02	0.000E+00	-1.324E+03	
0	50	0	3.398E+07	2.160E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY            DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
14        Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	9.290E-02		0.000E+00		0.000E+00
0	0.000E+00	9.007E-02	-2.833E-03	1.869E+02	1.869E+02	0.000E+00
1	1.000E+00	8.724E-02	-2.822E-03	4.328E+02	2.423E+02	0.000E+00
2	2.000E+00	8.444E-02	-2.809E-03	4.922E+02	5.562E+01	0.000E+00
3	3.000E+00	8.164E-02	-2.795E-03	5.517E+02	5.584E+01	0.000E+00
4	4.000E+00	7.886E-02	-2.778E-03	6.115E+02	5.606E+01	0.000E+00
5	5.000E+00	7.610E-02	-2.760E-03	6.714E+02	5.627E+01	0.000E+00
6	6.000E+00	7.336E-02	-2.741E-03	7.315E+02	5.649E+01	0.000E+00
7	7.000E+00	7.064E-02	-2.719E-03	7.918E+02	5.670E+01	0.000E+00
8	8.000E+00	6.795E-02	-2.696E-03	8.523E+02	5.692E+01	0.000E+00
9	9.000E+00	6.528E-02	-2.671E-03	9.130E+02	5.714E+01	0.000E+00
10	1.000E+01	6.263E-02	-2.644E-03	9.738E+02	5.735E+01	0.000E+00
11	1.100E+01	6.002E-02	-2.615E-03	1.035E+03	5.757E+01	0.000E+00
12	1.200E+01	5.743E-02	-2.585E-03	1.096E+03	5.778E+01	0.000E+00
13	1.300E+01	5.488E-02	-2.552E-03	1.157E+03	5.800E+01	0.000E+00
14	1.400E+01	5.236E-02	-2.518E-03	1.219E+03	5.822E+01	0.000E+00
15	1.500E+01	4.988E-02	-2.482E-03	1.281E+03	5.843E+01	0.000E+00
16	1.600E+01	4.744E-02	-2.445E-03	1.343E+03	5.865E+01	0.000E+00
17	1.700E+01	4.503E-02	-2.405E-03	1.405E+03	5.886E+01	0.000E+00
18	1.800E+01	4.267E-02	-2.364E-03	1.467E+03	5.908E+01	0.000E+00
19	1.900E+01	4.035E-02	-2.321E-03	1.529E+03	5.930E+01	0.000E+00
20	2.000E+01	3.807E-02	-2.276E-03	1.592E+03	5.951E+01	0.000E+00
21	2.100E+01	3.584E-02	-2.229E-03	1.654E+03	5.973E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.366E-02	-2.180E-03	1.717E+03	5.994E+01	0.000E+00
23	2.300E+01	3.153E-02	-2.130E-03	1.780E+03	6.016E+01	0.000E+00
24	2.400E+01	2.945E-02	-2.077E-03	1.843E+03	6.038E+01	0.000E+00
25	2.500E+01	2.743E-02	-2.023E-03	1.907E+03	6.059E+01	0.000E+00
26	2.600E+01	2.546E-02	-1.967E-03	1.970E+03	6.081E+01	0.000E+00
27	2.700E+01	2.356E-02	-1.909E-03	2.034E+03	6.102E+01	0.000E+00
28	2.800E+01	2.171E-02	-1.849E-03	2.097E+03	6.124E+01	0.000E+00
29	2.900E+01	1.992E-02	-1.787E-03	2.161E+03	6.146E+01	0.000E+00
30	3.000E+01	1.820E-02	-1.724E-03	2.225E+03	6.167E+01	0.000E+00
31	3.100E+01	1.654E-02	-1.658E-03	2.289E+03	6.189E+01	0.000E+00
32	3.200E+01	1.495E-02	-1.591E-03	2.353E+03	6.210E+01	0.000E+00
33	3.300E+01	1.342E-02	-1.522E-03	2.418E+03	6.232E+01	0.000E+00
34	3.400E+01	1.197E-02	-1.451E-03	2.482E+03	6.254E+01	0.000E+00
35	3.500E+01	1.060E-02	-1.377E-03	2.547E+03	6.275E+01	0.000E+00
36	3.600E+01	9.294E-03	-1.303E-03	2.611E+03	6.297E+01	0.000E+00
37	3.700E+01	8.068E-03	-1.226E-03	2.676E+03	6.318E+01	0.000E+00
38	3.800E+01	6.921E-03	-1.147E-03	2.741E+03	6.340E+01	0.000E+00
39	3.900E+01	5.855E-03	-1.066E-03	2.806E+03	6.362E+01	0.000E+00
40	4.000E+01	4.871E-03	-9.836E-04	2.871E+03	6.383E+01	0.000E+00
41	4.100E+01	3.972E-03	-8.991E-04	2.937E+03	6.405E+01	0.000E+00
42	4.200E+01	3.159E-03	-8.127E-04	3.002E+03	6.426E+01	0.000E+00
43	4.300E+01	2.435E-03	-7.244E-04	3.067E+03	6.448E+01	0.000E+00
44	4.400E+01	1.801E-03	-6.341E-04	3.133E+03	6.470E+01	0.000E+00
45	4.500E+01	1.259E-03	-5.419E-04	3.198E+03	6.491E+01	0.000E+00
46	4.600E+01	8.112E-04	-4.478E-04	3.264E+03	6.513E+01	0.000E+00
47	4.700E+01	4.594E-04	-3.517E-04	3.330E+03	6.534E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.057E-04	-2.537E-04	3.396E+03	6.556E+01	0.000E+00
49	4.900E+01	5.191E-05	-1.538E-04	3.462E+03	6.578E+01	0.000E+00
50	5.000E+01	0.000E+00	-5.191E-05	1.764E+03	-1.698E+03	-6.610E+01
51	5.100E+01	5.191E-05	5.191E-05	0.000E+00	-1.764E+03	0.000E+00

PROB (CONTD)

14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	9.290E-02	999		9.290E-02	0		0.000E+00	999		0.000E+00	999	
0	9.007E-02	999		9.007E-02	0		1.869E+02	999		1.869E+02	999	
1	8.724E-02	0		8.724E-02	999		4.328E+02	999		4.328E+02	999	
2	8.444E-02	0		8.444E-02	999		4.922E+02	999		4.922E+02	999	
3	8.164E-02	999		8.164E-02	0		5.517E+02	999		5.517E+02	999	
4	7.886E-02	999		7.886E-02	0		6.115E+02	999		6.115E+02	999	
5	7.610E-02	999		7.610E-02	0		6.714E+02	999		6.714E+02	999	
6	7.336E-02	999		7.336E-02	0		7.315E+02	999		7.315E+02	999	
7	7.064E-02	0		7.064E-02	999		7.918E+02	999		7.918E+02	999	
8	6.795E-02	0		6.795E-02	999		8.523E+02	999		8.523E+02	999	
9	6.528E-02	999		6.528E-02	0		9.130E+02	999		9.130E+02	999	
10	6.263E-02	0		6.263E-02	999		9.738E+02	999		9.738E+02	999	
11	6.002E-02	0		6.002E-02	999		1.035E+03	999		1.035E+03	999	
12	5.743E-02	999		5.743E-02	0		1.096E+03	999		1.096E+03	999	
13	5.488E-02	999		5.488E-02	0		1.157E+03	999		1.157E+03	999	
14	5.236E-02	0		5.236E-02	999		1.219E+03	999		1.219E+03	999	
15	4.988E-02	999		4.988E-02	0		1.281E+03	999		1.281E+03	999	
16	4.744E-02	0		4.744E-02	999		1.343E+03	999		1.343E+03	999	
17	4.503E-02	999		4.503E-02	0		1.405E+03	999		1.405E+03	999	
18	4.267E-02	0		4.267E-02	999		1.467E+03	999		1.467E+03	999	
19	4.035E-02	0		4.035E-02	999		1.529E+03	999		1.529E+03	999	
20	3.807E-02	999		3.807E-02	0		1.592E+03	999		1.592E+03	999	
21	3.584E-02	999		3.584E-02	0		1.654E+03	999		1.654E+03	999	
22	3.366E-02	999		3.366E-02	0		1.717E+03	999		1.717E+03	999	
23	3.153E-02	0		3.153E-02	999		1.780E+03	999		1.780E+03	999	
24	2.945E-02	0		2.945E-02	999		1.843E+03	999		1.843E+03	999	
25	2.743E-02	0		2.743E-02	999		1.907E+03	999		1.907E+03	999	
26	2.546E-02	999		2.546E-02	0		1.970E+03	999		1.970E+03	999	
27	2.356E-02	0		2.356E-02	999		2.034E+03	999		2.034E+03	999	
28	2.171E-02	999		2.171E-02	0		2.097E+03	999		2.097E+03	999	
29	1.992E-02	0		1.992E-02	999		2.161E+03	999		2.161E+03	999	
30	1.820E-02	999		1.820E-02	0		2.225E+03	999		2.225E+03	999	
31	1.654E-02	0		1.654E-02	999		2.289E+03	999		2.289E+03	999	
32	1.495E-02	999		1.495E-02	0		2.353E+03	999		2.353E+03	999	
33	1.342E-02	999		1.342E-02	0		2.418E+03	999		2.418E+03	999	
34	1.197E-02	999		1.197E-02	0		2.482E+03	999		2.482E+03	999	
35	1.060E-02	999		1.060E-02	0		2.547E+03	999		2.547E+03	999	
36	9.294E-03	999		9.294E-03	0		2.611E+03	999		2.611E+03	999	
37	8.068E-03	0		8.068E-03	999		2.676E+03	999		2.676E+03	999	
38	6.921E-03	999		6.921E-03	0		2.741E+03	999		2.741E+03	999	
39	5.855E-03	999		5.855E-03	0		2.806E+03	999		2.806E+03	999	
40	4.871E-03	999		4.871E-03	0		2.871E+03	999		2.871E+03	999	
41	3.972E-03	0		3.972E-03	999		2.937E+03	999		2.937E+03	999	
42	3.159E-03	0		3.159E-03	999		3.002E+03	999		3.002E+03	999	
43	2.435E-03	999		2.435E-03	0		3.067E+03	999		3.067E+03	999	
44	1.801E-03	999		1.801E-03	0		3.133E+03	999		3.133E+03	999	
45	1.259E-03	0		1.259E-03	999		3.198E+03	999		3.198E+03	999	
46	8.112E-04	0		8.112E-04	999		3.264E+03	999		3.264E+03	999	



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.594E-04	999		4.594E-04	0		3.330E+03	999		3.330E+03	999	
48	2.057E-04	999		2.057E-04	0		3.396E+03	999		3.396E+03	999	
49	5.191E-05	999		5.191E-05	0		3.462E+03	999		3.462E+03	999	
50	0.000E+00	999		0.000E+00	999		1.764E+03	999		1.764E+03	999	
51	5.191E-05	999		5.191E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.869E+02 999	1.869E+02 999	0.000E+00 999	0.000E+00 999
1	2.423E+02 999	2.423E+02 999	0.000E+00 999	0.000E+00 999
2	5.562E+01 999	5.562E+01 999	0.000E+00 999	0.000E+00 999
3	5.584E+01 999	5.584E+01 999	0.000E+00 999	0.000E+00 999
4	5.606E+01 999	5.606E+01 999	0.000E+00 999	0.000E+00 999
5	5.627E+01 999	5.627E+01 999	0.000E+00 999	0.000E+00 999
6	5.649E+01 999	5.649E+01 999	0.000E+00 999	0.000E+00 999
7	5.670E+01 999	5.670E+01 999	0.000E+00 999	0.000E+00 999
8	5.692E+01 999	5.692E+01 999	0.000E+00 999	0.000E+00 999
9	5.714E+01 999	5.714E+01 999	0.000E+00 999	0.000E+00 999
10	5.735E+01 999	5.735E+01 999	0.000E+00 999	0.000E+00 999
11	5.757E+01 999	5.757E+01 999	0.000E+00 999	0.000E+00 999
12	5.778E+01 999	5.778E+01 999	0.000E+00 999	0.000E+00 999
13	5.800E+01 999	5.800E+01 999	0.000E+00 999	0.000E+00 999
14	5.822E+01 999	5.822E+01 999	0.000E+00 999	0.000E+00 999
15	5.843E+01 999	5.843E+01 999	0.000E+00 999	0.000E+00 999
16	5.865E+01 999	5.865E+01 999	0.000E+00 999	0.000E+00 999
17	5.886E+01 999	5.886E+01 999	0.000E+00 999	0.000E+00 999
18	5.908E+01 999	5.908E+01 999	0.000E+00 999	0.000E+00 999
19	5.930E+01 999	5.930E+01 999	0.000E+00 999	0.000E+00 999
20	5.951E+01 999	5.951E+01 999	0.000E+00 999	0.000E+00 999
21	5.973E+01 999	5.973E+01 999	0.000E+00 999	0.000E+00 999
22	5.994E+01 999	5.994E+01 999	0.000E+00 999	0.000E+00 999
23	6.016E+01 999	6.016E+01 999	0.000E+00 999	0.000E+00 999
24	6.038E+01 999	6.038E+01 999	0.000E+00 999	0.000E+00 999
25	6.059E+01 999	6.059E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.081E+01 999	6.081E+01 999	0.000E+00 999	0.000E+00 999
27	6.102E+01 999	6.102E+01 999	0.000E+00 999	0.000E+00 999
28	6.124E+01 999	6.124E+01 999	0.000E+00 999	0.000E+00 999
29	6.146E+01 999	6.146E+01 999	0.000E+00 999	0.000E+00 999
30	6.167E+01 999	6.167E+01 999	0.000E+00 999	0.000E+00 999
31	6.189E+01 999	6.189E+01 999	0.000E+00 999	0.000E+00 999
32	6.210E+01 999	6.210E+01 999	0.000E+00 999	0.000E+00 999
33	6.232E+01 999	6.232E+01 999	0.000E+00 999	0.000E+00 999
34	6.254E+01 999	6.254E+01 999	0.000E+00 999	0.000E+00 999
35	6.275E+01 999	6.275E+01 999	0.000E+00 999	0.000E+00 999
36	6.297E+01 999	6.297E+01 999	0.000E+00 999	0.000E+00 999
37	6.318E+01 999	6.318E+01 999	0.000E+00 999	0.000E+00 999
38	6.340E+01 999	6.340E+01 999	0.000E+00 999	0.000E+00 999
39	6.362E+01 999	6.362E+01 999	0.000E+00 999	0.000E+00 999
40	6.383E+01 999	6.383E+01 999	0.000E+00 999	0.000E+00 999
41	6.405E+01 999	6.405E+01 999	0.000E+00 999	0.000E+00 999
42	6.426E+01 999	6.426E+01 999	0.000E+00 999	0.000E+00 999
43	6.448E+01 999	6.448E+01 999	0.000E+00 999	0.000E+00 999
44	6.470E+01 999	6.470E+01 999	0.000E+00 999	0.000E+00 999
45	6.491E+01 999	6.491E+01 999	0.000E+00 999	0.000E+00 999
46	6.513E+01 999	6.513E+01 999	0.000E+00 999	0.000E+00 999
47	6.534E+01 999	6.534E+01 999	0.000E+00 999	0.000E+00 999
48	6.556E+01 999	6.556E+01 999	0.000E+00 999	0.000E+00 999
49	6.578E+01 999	6.578E+01 999	0.000E+00 999	0.000E+00 999
50	-1.698E+03 999	-1.698E+03 999	-6.610E+01 999	-6.610E+01 999
51	-1.764E+03 999	-1.764E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
15 Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.710E+01	0.000E+00	2.295E+02	0.000E+00	-1.324E+03
0	50	0	8.496E+06	2.240E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.324E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
15        Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.179E-01		0.000E+00		0.000E+00
0	0.000E+00	3.099E-01	-8.005E-03	1.148E+02	1.148E+02	0.000E+00
1	1.000E+00	3.019E-01	-7.978E-03	2.573E+02	1.320E+02	0.000E+00
2	2.000E+00	2.940E-01	-7.948E-03	2.852E+02	1.744E+01	0.000E+00
3	3.000E+00	2.861E-01	-7.914E-03	3.134E+02	1.766E+01	0.000E+00
4	4.000E+00	2.782E-01	-7.878E-03	3.417E+02	1.788E+01	0.000E+00
5	5.000E+00	2.704E-01	-7.837E-03	3.702E+02	1.811E+01	0.000E+00
6	6.000E+00	2.626E-01	-7.794E-03	3.988E+02	1.833E+01	0.000E+00
7	7.000E+00	2.548E-01	-7.747E-03	4.276E+02	1.856E+01	0.000E+00
8	8.000E+00	2.471E-01	-7.697E-03	4.566E+02	1.878E+01	0.000E+00
9	9.000E+00	2.395E-01	-7.643E-03	4.857E+02	1.900E+01	0.000E+00
10	1.000E+01	2.319E-01	-7.586E-03	5.150E+02	1.923E+01	0.000E+00
11	1.100E+01	2.244E-01	-7.525E-03	5.444E+02	1.945E+01	0.000E+00
12	1.200E+01	2.169E-01	-7.461E-03	5.740E+02	1.968E+01	0.000E+00
13	1.300E+01	2.095E-01	-7.393E-03	6.037E+02	1.990E+01	0.000E+00
14	1.400E+01	2.022E-01	-7.322E-03	6.335E+02	2.012E+01	0.000E+00
15	1.500E+01	1.949E-01	-7.248E-03	6.634E+02	2.035E+01	0.000E+00
16	1.600E+01	1.878E-01	-7.170E-03	6.935E+02	2.057E+01	0.000E+00
17	1.700E+01	1.807E-01	-7.088E-03	7.237E+02	2.080E+01	0.000E+00
18	1.800E+01	1.737E-01	-7.003E-03	7.540E+02	2.102E+01	0.000E+00
19	1.900E+01	1.668E-01	-6.914E-03	7.844E+02	2.124E+01	0.000E+00
20	2.000E+01	1.600E-01	-6.822E-03	8.149E+02	2.147E+01	0.000E+00
21	2.100E+01	1.532E-01	-6.726E-03	8.455E+02	2.169E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.466E-01	-6.626E-03	8.761E+02	2.192E+01	0.000E+00
23	2.300E+01	1.401E-01	-6.523E-03	9.069E+02	2.214E+01	0.000E+00
24	2.400E+01	1.337E-01	-6.417E-03	9.378E+02	2.236E+01	0.000E+00
25	2.500E+01	1.274E-01	-6.306E-03	9.687E+02	2.259E+01	0.000E+00
26	2.600E+01	1.212E-01	-6.192E-03	9.997E+02	2.281E+01	0.000E+00
27	2.700E+01	1.151E-01	-6.074E-03	1.031E+03	2.304E+01	0.000E+00
28	2.800E+01	1.091E-01	-5.953E-03	1.062E+03	2.326E+01	0.000E+00
29	2.900E+01	1.033E-01	-5.828E-03	1.093E+03	2.348E+01	0.000E+00
30	3.000E+01	9.760E-02	-5.699E-03	1.124E+03	2.371E+01	0.000E+00
31	3.100E+01	9.204E-02	-5.567E-03	1.156E+03	2.393E+01	0.000E+00
32	3.200E+01	8.661E-02	-5.431E-03	1.187E+03	2.416E+01	0.000E+00
33	3.300E+01	8.132E-02	-5.291E-03	1.218E+03	2.438E+01	0.000E+00
34	3.400E+01	7.617E-02	-5.148E-03	1.250E+03	2.460E+01	0.000E+00
35	3.500E+01	7.117E-02	-5.001E-03	1.281E+03	2.483E+01	0.000E+00
36	3.600E+01	6.632E-02	-4.850E-03	1.313E+03	2.505E+01	0.000E+00
37	3.700E+01	6.162E-02	-4.696E-03	1.344E+03	2.528E+01	0.000E+00
38	3.800E+01	5.708E-02	-4.537E-03	1.376E+03	2.550E+01	0.000E+00
39	3.900E+01	5.271E-02	-4.375E-03	1.407E+03	2.572E+01	0.000E+00
40	4.000E+01	4.850E-02	-4.210E-03	1.439E+03	2.595E+01	0.000E+00
41	4.100E+01	4.446E-02	-4.040E-03	1.470E+03	2.617E+01	0.000E+00
42	4.200E+01	4.059E-02	-3.867E-03	1.502E+03	2.640E+01	0.000E+00
43	4.300E+01	3.690E-02	-3.691E-03	1.533E+03	2.662E+01	0.000E+00
44	4.400E+01	3.339E-02	-3.510E-03	1.565E+03	2.684E+01	0.000E+00
45	4.500E+01	3.006E-02	-3.326E-03	1.596E+03	2.707E+01	0.000E+00
46	4.600E+01	2.693E-02	-3.138E-03	1.596E+03	2.729E+01	0.000E+00
47	4.700E+01	2.398E-02	-2.946E-03	1.628E+03	2.752E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.123E-02	-2.751E-03	1.691E+03	2.774E+01	0.000E+00
49	4.900E+01	1.868E-02	-2.552E-03	1.722E+03	2.796E+01	0.000E+00
50	5.000E+01	1.633E-02	-2.349E-03	1.753E+03	2.819E+01	0.000E+00
51	5.100E+01	1.415E-02	-2.180E-03	1.784E+03	2.830E+01	0.000E+00
52	5.200E+01	1.211E-02	-2.034E-03	1.815E+03	2.830E+01	0.000E+00
53	5.300E+01	1.023E-02	-1.886E-03	1.846E+03	2.830E+01	0.000E+00
54	5.400E+01	8.493E-03	-1.735E-03	1.877E+03	2.830E+01	0.000E+00
55	5.500E+01	6.912E-03	-1.581E-03	1.907E+03	2.830E+01	0.000E+00
56	5.600E+01	5.487E-03	-1.425E-03	1.937E+03	2.830E+01	0.000E+00
57	5.700E+01	4.221E-03	-1.266E-03	1.967E+03	2.830E+01	0.000E+00
58	5.800E+01	3.116E-03	-1.105E-03	1.997E+03	2.830E+01	0.000E+00
59	5.900E+01	2.174E-03	-9.419E-04	2.027E+03	2.830E+01	0.000E+00
60	6.000E+01	1.398E-03	-7.760E-04	2.056E+03	2.830E+01	0.000E+00
61	6.100E+01	7.902E-04	-6.078E-04	2.085E+03	2.830E+01	0.000E+00
62	6.200E+01	3.530E-04	-4.372E-04	2.114E+03	2.830E+01	0.000E+00
63	6.300E+01	8.883E-05	-2.642E-04	2.143E+03	2.830E+01	0.000E+00
64	6.400E+01	0.000E+00	-8.883E-05	2.143E+03	-1.057E+03	-2.830E+01
65	6.500E+01	8.883E-05	8.883E-05	1.086E+03	-1.086E+03	0.000E+00

PROB (CONTD)

15 Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.179E-01		0	3.179E-01		999	0.000E+00		999	0.000E+00		999
0	3.099E-01		999	3.099E-01		0	1.148E+02		999	1.148E+02		999
1	3.019E-01		999	3.019E-01		0	2.573E+02		999	2.573E+02		999
2	2.940E-01		999	2.940E-01		0	2.852E+02		999	2.852E+02		999
3	2.861E-01		0	2.861E-01		999	3.134E+02		999	3.134E+02		999
4	2.782E-01		999	2.782E-01		0	3.417E+02		999	3.417E+02		999
5	2.704E-01		0	2.704E-01		999	3.702E+02		999	3.702E+02		999
6	2.626E-01		0	2.626E-01		999	3.988E+02		999	3.988E+02		999
7	2.548E-01		0	2.548E-01		999	4.276E+02		999	4.276E+02		999
8	2.471E-01		999	2.471E-01		0	4.566E+02		999	4.566E+02		999
9	2.395E-01		999	2.395E-01		0	4.857E+02		999	4.857E+02		999
10	2.319E-01		999	2.319E-01		0	5.150E+02		999	5.150E+02		999
11	2.244E-01		0	2.244E-01		999	5.444E+02		999	5.444E+02		999
12	2.169E-01		999	2.169E-01		0	5.740E+02		999	5.740E+02		999
13	2.095E-01		0	2.095E-01		999	6.037E+02		999	6.037E+02		999
14	2.022E-01		0	2.022E-01		999	6.335E+02		999	6.335E+02		999
15	1.949E-01		0	1.949E-01		999	6.634E+02		999	6.634E+02		999
16	1.878E-01		0	1.878E-01		999	6.935E+02		999	6.935E+02		999
17	1.807E-01		0	1.807E-01		999	7.237E+02		999	7.237E+02		999
18	1.737E-01		0	1.737E-01		999	7.540E+02		999	7.540E+02		999
19	1.668E-01		999	1.668E-01		0	7.844E+02		999	7.844E+02		999
20	1.600E-01		999	1.600E-01		0	8.149E+02		999	8.149E+02		999
21	1.532E-01		0	1.532E-01		999	8.455E+02		999	8.455E+02		999
22	1.466E-01		999	1.466E-01		0	8.761E+02		999	8.761E+02		999
23	1.401E-01		999	1.401E-01		0	9.069E+02		999	9.069E+02		999
24	1.337E-01		999	1.337E-01		0	9.378E+02		999	9.378E+02		999
25	1.274E-01		999	1.274E-01		0	9.687E+02		999	9.687E+02		999
26	1.212E-01		999	1.212E-01		0	9.997E+02		999	9.997E+02		999
27	1.151E-01		0	1.151E-01		999	1.031E+03		999	1.031E+03		999
28	1.091E-01		999	1.091E-01		0	1.062E+03		999	1.062E+03		999
29	1.033E-01		0	1.033E-01		999	1.093E+03		999	1.093E+03		999
30	9.760E-02		999	9.760E-02		0	1.124E+03		999	1.124E+03		999
31	9.204E-02		0	9.204E-02		999	1.156E+03		999	1.156E+03		999
32	8.661E-02		0	8.661E-02		999	1.187E+03		999	1.187E+03		999
33	8.132E-02		0	8.132E-02		999	1.218E+03		999	1.218E+03		999
34	7.617E-02		999	7.617E-02		0	1.250E+03		999	1.250E+03		999
35	7.117E-02		999	7.117E-02		0	1.281E+03		999	1.281E+03		999
36	6.632E-02		0	6.632E-02		999	1.313E+03		999	1.313E+03		999
37	6.162E-02		0	6.162E-02		999	1.344E+03		999	1.344E+03		999
38	5.708E-02		999	5.708E-02		0	1.376E+03		999	1.376E+03		999
39	5.271E-02		0	5.271E-02		999	1.407E+03		999	1.407E+03		999
40	4.850E-02		0	4.850E-02		999	1.439E+03		999	1.439E+03		999
41	4.446E-02		999	4.446E-02		0	1.470E+03		999	1.470E+03		999
42	4.059E-02		0	4.059E-02		999	1.502E+03		999	1.502E+03		999
43	3.690E-02		999	3.690E-02		0	1.533E+03		999	1.533E+03		999
44	3.339E-02		0	3.339E-02		999	1.565E+03		999	1.565E+03		999
45	3.006E-02		0	3.006E-02		999	1.596E+03		999	1.596E+03		999
46	2.693E-02		999	2.693E-02		0	1.628E+03		999	1.628E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.398E-02		0	2.398E-02		999	1.659E+03		999	1.659E+03		999
48	2.123E-02		0	2.123E-02		999	1.691E+03		999	1.691E+03		999
49	1.868E-02		999	1.868E-02		0	1.722E+03		999	1.722E+03		999
50	1.633E-02		999	1.633E-02		0	1.753E+03		999	1.753E+03		999
51	1.415E-02		0	1.415E-02		999	1.784E+03		999	1.784E+03		999
52	1.211E-02		0	1.211E-02		999	1.815E+03		999	1.815E+03		999
53	1.023E-02		0	1.023E-02		999	1.846E+03		999	1.846E+03		999
54	8.493E-03		999	8.493E-03		0	1.877E+03		999	1.877E+03		999
55	6.912E-03		0	6.912E-03		999	1.907E+03		999	1.907E+03		999
56	5.487E-03		0	5.487E-03		999	1.937E+03		999	1.937E+03		999
57	4.221E-03		0	4.221E-03		999	1.967E+03		999	1.967E+03		999
58	3.116E-03		0	3.116E-03		999	1.997E+03		999	1.997E+03		999
59	2.174E-03		999	2.174E-03		0	2.027E+03		999	2.027E+03		999
60	1.398E-03		0	1.398E-03		999	2.056E+03		999	2.056E+03		999
61	7.902E-04		999	7.902E-04		0	2.085E+03		999	2.085E+03		999
62	3.530E-04		999	3.530E-04		0	2.114E+03		999	2.114E+03		999
63	8.883E-05		0	8.883E-05		999	2.143E+03		999	2.143E+03		999
64	0.000E+00		999	0.000E+00		999	1.086E+03		999	1.086E+03		999
65	8.883E-05		0	8.883E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.148E+02 999	1.148E+02 999	0.000E+00 999	0.000E+00 999
1	1.320E+02 999	1.320E+02 999	0.000E+00 999	0.000E+00 999
2	1.744E+01 999	1.744E+01 999	0.000E+00 999	0.000E+00 999
3	1.766E+01 999	1.766E+01 999	0.000E+00 999	0.000E+00 999
4	1.788E+01 999	1.788E+01 999	0.000E+00 999	0.000E+00 999
5	1.811E+01 999	1.811E+01 999	0.000E+00 999	0.000E+00 999
6	1.833E+01 999	1.833E+01 999	0.000E+00 999	0.000E+00 999
7	1.856E+01 999	1.856E+01 999	0.000E+00 999	0.000E+00 999
8	1.878E+01 999	1.878E+01 999	0.000E+00 999	0.000E+00 999
9	1.900E+01 999	1.900E+01 999	0.000E+00 999	0.000E+00 999
10	1.923E+01 999	1.923E+01 999	0.000E+00 999	0.000E+00 999
11	1.945E+01 999	1.945E+01 999	0.000E+00 999	0.000E+00 999
12	1.968E+01 999	1.968E+01 999	0.000E+00 999	0.000E+00 999
13	1.990E+01 999	1.990E+01 999	0.000E+00 999	0.000E+00 999
14	2.012E+01 999	2.012E+01 999	0.000E+00 999	0.000E+00 999
15	2.035E+01 999	2.035E+01 999	0.000E+00 999	0.000E+00 999
16	2.057E+01 999	2.057E+01 999	0.000E+00 999	0.000E+00 999
17	2.080E+01 999	2.080E+01 999	0.000E+00 999	0.000E+00 999
18	2.102E+01 999	2.102E+01 999	0.000E+00 999	0.000E+00 999
19	2.124E+01 999	2.124E+01 999	0.000E+00 999	0.000E+00 999
20	2.147E+01 999	2.147E+01 999	0.000E+00 999	0.000E+00 999
21	2.169E+01 999	2.169E+01 999	0.000E+00 999	0.000E+00 999
22	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
23	2.214E+01 999	2.214E+01 999	0.000E+00 999	0.000E+00 999
24	2.236E+01 999	2.236E+01 999	0.000E+00 999	0.000E+00 999
25	2.259E+01 999	2.259E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.281E+01 999	2.281E+01 999	0.000E+00 999	0.000E+00 999
27	2.304E+01 999	2.304E+01 999	0.000E+00 999	0.000E+00 999
28	2.326E+01 999	2.326E+01 999	0.000E+00 999	0.000E+00 999
29	2.348E+01 999	2.348E+01 999	0.000E+00 999	0.000E+00 999
30	2.371E+01 999	2.371E+01 999	0.000E+00 999	0.000E+00 999
31	2.393E+01 999	2.393E+01 999	0.000E+00 999	0.000E+00 999
32	2.416E+01 999	2.416E+01 999	0.000E+00 999	0.000E+00 999
33	2.438E+01 999	2.438E+01 999	0.000E+00 999	0.000E+00 999
34	2.460E+01 999	2.460E+01 999	0.000E+00 999	0.000E+00 999
35	2.483E+01 999	2.483E+01 999	0.000E+00 999	0.000E+00 999
36	2.505E+01 999	2.505E+01 999	0.000E+00 999	0.000E+00 999
37	2.528E+01 999	2.528E+01 999	0.000E+00 999	0.000E+00 999
38	2.550E+01 999	2.550E+01 999	0.000E+00 999	0.000E+00 999
39	2.572E+01 999	2.572E+01 999	0.000E+00 999	0.000E+00 999
40	2.595E+01 999	2.595E+01 999	0.000E+00 999	0.000E+00 999
41	2.617E+01 999	2.617E+01 999	0.000E+00 999	0.000E+00 999
42	2.640E+01 999	2.640E+01 999	0.000E+00 999	0.000E+00 999
43	2.662E+01 999	2.662E+01 999	0.000E+00 999	0.000E+00 999
44	2.684E+01 999	2.684E+01 999	0.000E+00 999	0.000E+00 999
45	2.707E+01 999	2.707E+01 999	0.000E+00 999	0.000E+00 999
46	2.729E+01 999	2.729E+01 999	0.000E+00 999	0.000E+00 999
47	2.752E+01 999	2.752E+01 999	0.000E+00 999	0.000E+00 999
48	2.774E+01 999	2.774E+01 999	0.000E+00 999	0.000E+00 999
49	2.796E+01 999	2.796E+01 999	0.000E+00 999	0.000E+00 999
50	2.819E+01 999	2.819E+01 999	0.000E+00 999	0.000E+00 999
51	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
53	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
54	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
55	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
56	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
57	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
58	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
59	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
60	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
61	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
62	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
63	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
64	-1.057E+03 999	-1.057E+03 999	-2.830E+01 999	-2.830E+01 999
65	-1.086E+03 999	-1.086E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6				
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		DEFL	MOM	SHR	RCT				
		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.140E+01	0.000E+00	3.482E+02	0.000E+00	-1.324E+03	
0	50	0	3.398E+07	1.940E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
                         Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010       (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
16                    Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	8.622E-02		0.000E+00		0.000E+00
0	0.000E+00	8.359E-02	-2.630E-03	1.741E+02	1.741E+02	0.000E+00
1	1.000E+00	8.097E-02	-2.620E-03	4.032E+02	2.256E+02	0.000E+00
2	2.000E+00	7.836E-02	-2.608E-03	4.583E+02	5.169E+01	0.000E+00
3	3.000E+00	7.576E-02	-2.594E-03	5.136E+02	5.188E+01	0.000E+00
4	4.000E+00	7.318E-02	-2.579E-03	5.691E+02	5.208E+01	0.000E+00
5	5.000E+00	7.062E-02	-2.562E-03	6.248E+02	5.227E+01	0.000E+00
6	6.000E+00	6.808E-02	-2.544E-03	6.806E+02	5.247E+01	0.000E+00
7	7.000E+00	6.555E-02	-2.524E-03	7.366E+02	5.266E+01	0.000E+00
8	8.000E+00	6.305E-02	-2.502E-03	7.928E+02	5.285E+01	0.000E+00
9	9.000E+00	6.057E-02	-2.479E-03	8.491E+02	5.305E+01	0.000E+00
10	1.000E+01	5.812E-02	-2.454E-03	9.056E+02	5.324E+01	0.000E+00
11	1.100E+01	5.569E-02	-2.427E-03	9.623E+02	5.344E+01	0.000E+00
12	1.200E+01	5.329E-02	-2.399E-03	1.019E+03	5.363E+01	0.000E+00
13	1.300E+01	5.092E-02	-2.369E-03	1.076E+03	5.383E+01	0.000E+00
14	1.400E+01	4.859E-02	-2.337E-03	1.133E+03	5.402E+01	0.000E+00
15	1.500E+01	4.628E-02	-2.304E-03	1.190E+03	5.421E+01	0.000E+00
16	1.600E+01	4.401E-02	-2.269E-03	1.248E+03	5.441E+01	0.000E+00
17	1.700E+01	4.178E-02	-2.232E-03	1.305E+03	5.460E+01	0.000E+00
18	1.800E+01	3.959E-02	-2.194E-03	1.363E+03	5.479E+01	0.000E+00
19	1.900E+01	3.743E-02	-2.154E-03	1.421E+03	5.499E+01	0.000E+00
20	2.000E+01	3.532E-02	-2.112E-03	1.479E+03	5.518E+01	0.000E+00
21	2.100E+01	3.325E-02	-2.068E-03	1.537E+03	5.538E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.123E-02	-2.023E-03	1.595E+03	5.557E+01	0.000E+00
23	2.300E+01	2.925E-02	-1.976E-03	1.654E+03	5.577E+01	0.000E+00
24	2.400E+01	2.732E-02	-1.928E-03	1.712E+03	5.596E+01	0.000E+00
25	2.500E+01	2.545E-02	-1.877E-03	1.771E+03	5.615E+01	0.000E+00
26	2.600E+01	2.362E-02	-1.825E-03	1.830E+03	5.635E+01	0.000E+00
27	2.700E+01	2.185E-02	-1.771E-03	1.888E+03	5.654E+01	0.000E+00
28	2.800E+01	2.014E-02	-1.716E-03	1.947E+03	5.674E+01	0.000E+00
29	2.900E+01	1.848E-02	-1.658E-03	2.007E+03	5.693E+01	0.000E+00
30	3.000E+01	1.688E-02	-1.599E-03	2.066E+03	5.712E+01	0.000E+00
31	3.100E+01	1.534E-02	-1.539E-03	2.125E+03	5.732E+01	0.000E+00
32	3.200E+01	1.386E-02	-1.476E-03	2.185E+03	5.751E+01	0.000E+00
33	3.300E+01	1.245E-02	-1.412E-03	2.244E+03	5.770E+01	0.000E+00
34	3.400E+01	1.111E-02	-1.346E-03	2.304E+03	5.790E+01	0.000E+00
35	3.500E+01	9.828E-03	-1.278E-03	2.364E+03	5.809E+01	0.000E+00
36	3.600E+01	8.620E-03	-1.208E-03	2.424E+03	5.829E+01	0.000E+00
37	3.700E+01	7.483E-03	-1.137E-03	2.484E+03	5.848E+01	0.000E+00
38	3.800E+01	6.419E-03	-1.064E-03	2.544E+03	5.867E+01	0.000E+00
39	3.900E+01	5.430E-03	-9.890E-04	2.604E+03	5.887E+01	0.000E+00
40	4.000E+01	4.518E-03	-9.124E-04	2.664E+03	5.906E+01	0.000E+00
41	4.100E+01	3.684E-03	-8.340E-04	2.724E+03	5.926E+01	0.000E+00
42	4.200E+01	2.930E-03	-7.538E-04	2.785E+03	5.945E+01	0.000E+00
43	4.300E+01	2.258E-03	-6.718E-04	2.845E+03	5.965E+01	0.000E+00
44	4.400E+01	1.670E-03	-5.881E-04	2.906E+03	5.984E+01	0.000E+00
45	4.500E+01	1.168E-03	-5.026E-04	2.967E+03	6.003E+01	0.000E+00
46	4.600E+01	7.522E-04	-4.153E-04	3.028E+03	6.023E+01	0.000E+00
47	4.700E+01	4.260E-04	-3.262E-04	3.088E+03	6.042E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.907E-04	-2.353E-04	3.149E+03	6.062E+01	0.000E+00
49	4.900E+01	4.814E-05	-1.426E-04	3.210E+03	6.081E+01	0.000E+00
50	5.000E+01	0.000E+00	-4.814E-05	1.636E+03	-1.575E+03	-6.110E+01
51	5.100E+01	4.814E-05	4.814E-05	0.000E+00	-1.636E+03	0.000E+00

PROB (CONTD)

16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	8.622E-02	999		8.622E-02	0		0.000E+00	999		0.000E+00	999	
0	8.359E-02	0		8.359E-02	999		1.741E+02	999		1.741E+02	999	
1	8.097E-02	0		8.097E-02	999		4.032E+02	999		4.032E+02	999	
2	7.836E-02	0		7.836E-02	999		4.583E+02	999		4.583E+02	999	
3	7.576E-02	999		7.576E-02	0		5.136E+02	999		5.136E+02	999	
4	7.318E-02	0		7.318E-02	999		5.691E+02	999		5.691E+02	999	
5	7.062E-02	0		7.062E-02	999		6.248E+02	999		6.248E+02	999	
6	6.808E-02	999		6.808E-02	0		6.806E+02	999		6.806E+02	999	
7	6.555E-02	0		6.555E-02	999		7.366E+02	999		7.366E+02	999	
8	6.305E-02	0		6.305E-02	999		7.928E+02	999		7.928E+02	999	
9	6.057E-02	999		6.057E-02	0		8.491E+02	999		8.491E+02	999	
10	5.812E-02	999		5.812E-02	0		9.056E+02	999		9.056E+02	999	
11	5.569E-02	0		5.569E-02	999		9.623E+02	999		9.623E+02	999	
12	5.329E-02	0		5.329E-02	999		1.019E+03	999		1.019E+03	999	
13	5.092E-02	999		5.092E-02	0		1.076E+03	999		1.076E+03	999	
14	4.859E-02	999		4.859E-02	0		1.133E+03	999		1.133E+03	999	
15	4.628E-02	999		4.628E-02	0		1.190E+03	999		1.190E+03	999	
16	4.401E-02	0		4.401E-02	999		1.248E+03	999		1.248E+03	999	
17	4.178E-02	999		4.178E-02	0		1.305E+03	999		1.305E+03	999	
18	3.959E-02	0		3.959E-02	999		1.363E+03	999		1.363E+03	999	
19	3.743E-02	0		3.743E-02	999		1.421E+03	999		1.421E+03	999	
20	3.532E-02	0		3.532E-02	999		1.479E+03	999		1.479E+03	999	
21	3.325E-02	999		3.325E-02	0		1.537E+03	999		1.537E+03	999	
22	3.123E-02	999		3.123E-02	0		1.595E+03	999		1.595E+03	999	
23	2.925E-02	0		2.925E-02	999		1.654E+03	999		1.654E+03	999	
24	2.732E-02	0		2.732E-02	999		1.712E+03	999		1.712E+03	999	
25	2.545E-02	0		2.545E-02	999		1.771E+03	999		1.771E+03	999	
26	2.362E-02	0		2.362E-02	999		1.830E+03	999		1.830E+03	999	
27	2.185E-02	999		2.185E-02	0		1.888E+03	999		1.888E+03	999	
28	2.014E-02	0		2.014E-02	999		1.947E+03	999		1.947E+03	999	
29	1.848E-02	999		1.848E-02	0		2.007E+03	999		2.007E+03	999	
30	1.688E-02	0		1.688E-02	999		2.066E+03	999		2.066E+03	999	
31	1.534E-02	999		1.534E-02	0		2.125E+03	999		2.125E+03	999	
32	1.386E-02	999		1.386E-02	0		2.185E+03	999		2.185E+03	999	
33	1.245E-02	0		1.245E-02	999		2.244E+03	999		2.244E+03	999	
34	1.111E-02	999		1.111E-02	0		2.304E+03	999		2.304E+03	999	
35	9.828E-03	999		9.828E-03	0		2.364E+03	999		2.364E+03	999	
36	8.620E-03	0		8.620E-03	999		2.424E+03	999		2.424E+03	999	
37	7.483E-03	999		7.483E-03	0		2.484E+03	999		2.484E+03	999	
38	6.419E-03	999		6.419E-03	0		2.544E+03	999		2.544E+03	999	
39	5.430E-03	0		5.430E-03	999		2.604E+03	999		2.604E+03	999	
40	4.518E-03	0		4.518E-03	999		2.664E+03	999		2.664E+03	999	
41	3.684E-03	0		3.684E-03	999		2.724E+03	999		2.724E+03	999	
42	2.930E-03	0		2.930E-03	999		2.785E+03	999		2.785E+03	999	
43	2.258E-03	999		2.258E-03	0		2.845E+03	999		2.845E+03	999	
44	1.670E-03	0		1.670E-03	999		2.906E+03	999		2.906E+03	999	
45	1.168E-03	0		1.168E-03	999		2.967E+03	999		2.967E+03	999	
46	7.522E-04	999		7.522E-04	0		3.028E+03	999		3.028E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.260E-04		0	4.260E-04		999	3.088E+03		999	3.088E+03		999
48	1.907E-04		0	1.907E-04		999	3.149E+03		999	3.149E+03		999
49	4.814E-05		0	4.814E-05		999	3.210E+03		999	3.210E+03		999
50	0.000E+00		999	0.000E+00		999	1.636E+03		999	1.636E+03		999
51	4.814E-05		0	4.814E-05		999	0.000E+00		999	0.000E+00		999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.741E+02 999	1.741E+02 999	0.000E+00 999	0.000E+00 999
1	2.256E+02 999	2.256E+02 999	0.000E+00 999	0.000E+00 999
2	5.169E+01 999	5.169E+01 999	0.000E+00 999	0.000E+00 999
3	5.188E+01 999	5.188E+01 999	0.000E+00 999	0.000E+00 999
4	5.208E+01 999	5.208E+01 999	0.000E+00 999	0.000E+00 999
5	5.227E+01 999	5.227E+01 999	0.000E+00 999	0.000E+00 999
6	5.247E+01 999	5.247E+01 999	0.000E+00 999	0.000E+00 999
7	5.266E+01 999	5.266E+01 999	0.000E+00 999	0.000E+00 999
8	5.285E+01 999	5.285E+01 999	0.000E+00 999	0.000E+00 999
9	5.305E+01 999	5.305E+01 999	0.000E+00 999	0.000E+00 999
10	5.324E+01 999	5.324E+01 999	0.000E+00 999	0.000E+00 999
11	5.344E+01 999	5.344E+01 999	0.000E+00 999	0.000E+00 999
12	5.363E+01 999	5.363E+01 999	0.000E+00 999	0.000E+00 999
13	5.383E+01 999	5.383E+01 999	0.000E+00 999	0.000E+00 999
14	5.402E+01 999	5.402E+01 999	0.000E+00 999	0.000E+00 999
15	5.421E+01 999	5.421E+01 999	0.000E+00 999	0.000E+00 999
16	5.441E+01 999	5.441E+01 999	0.000E+00 999	0.000E+00 999
17	5.460E+01 999	5.460E+01 999	0.000E+00 999	0.000E+00 999
18	5.479E+01 999	5.479E+01 999	0.000E+00 999	0.000E+00 999
19	5.499E+01 999	5.499E+01 999	0.000E+00 999	0.000E+00 999
20	5.518E+01 999	5.518E+01 999	0.000E+00 999	0.000E+00 999
21	5.538E+01 999	5.538E+01 999	0.000E+00 999	0.000E+00 999
22	5.557E+01 999	5.557E+01 999	0.000E+00 999	0.000E+00 999
23	5.577E+01 999	5.577E+01 999	0.000E+00 999	0.000E+00 999
24	5.596E+01 999	5.596E+01 999	0.000E+00 999	0.000E+00 999
25	5.615E+01 999	5.615E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.635E+01 999	5.635E+01 999	0.000E+00 999	0.000E+00 999
27	5.654E+01 999	5.654E+01 999	0.000E+00 999	0.000E+00 999
28	5.674E+01 999	5.674E+01 999	0.000E+00 999	0.000E+00 999
29	5.693E+01 999	5.693E+01 999	0.000E+00 999	0.000E+00 999
30	5.712E+01 999	5.712E+01 999	0.000E+00 999	0.000E+00 999
31	5.732E+01 999	5.732E+01 999	0.000E+00 999	0.000E+00 999
32	5.751E+01 999	5.751E+01 999	0.000E+00 999	0.000E+00 999
33	5.770E+01 999	5.770E+01 999	0.000E+00 999	0.000E+00 999
34	5.790E+01 999	5.790E+01 999	0.000E+00 999	0.000E+00 999
35	5.809E+01 999	5.809E+01 999	0.000E+00 999	0.000E+00 999
36	5.829E+01 999	5.829E+01 999	0.000E+00 999	0.000E+00 999
37	5.848E+01 999	5.848E+01 999	0.000E+00 999	0.000E+00 999
38	5.867E+01 999	5.867E+01 999	0.000E+00 999	0.000E+00 999
39	5.887E+01 999	5.887E+01 999	0.000E+00 999	0.000E+00 999
40	5.906E+01 999	5.906E+01 999	0.000E+00 999	0.000E+00 999
41	5.926E+01 999	5.926E+01 999	0.000E+00 999	0.000E+00 999
42	5.945E+01 999	5.945E+01 999	0.000E+00 999	0.000E+00 999
43	5.965E+01 999	5.965E+01 999	0.000E+00 999	0.000E+00 999
44	5.984E+01 999	5.984E+01 999	0.000E+00 999	0.000E+00 999
45	6.003E+01 999	6.003E+01 999	0.000E+00 999	0.000E+00 999
46	6.023E+01 999	6.023E+01 999	0.000E+00 999	0.000E+00 999
47	6.042E+01 999	6.042E+01 999	0.000E+00 999	0.000E+00 999
48	6.062E+01 999	6.062E+01 999	0.000E+00 999	0.000E+00 999
49	6.081E+01 999	6.081E+01 999	0.000E+00 999	0.000E+00 999
50	-1.575E+03 999	-1.575E+03 999	-6.110E+01 999	-6.110E+01 999
51	-1.636E+03 999	-1.636E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.300E+01	0.000E+00	2.645E+02	0.000E+00	-1.324E+03
0	50	0	8.496E+06	3.170E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.324E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
17       Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	4.191E-01		0.000E+00		0.000E+00
0	0.000E+00	4.086E-01	-1.047E-02	1.323E+02	1.323E+02	0.000E+00
1	1.000E+00	3.982E-01	-1.044E-02	3.015E+02	1.554E+02	0.000E+00
2	2.000E+00	3.878E-01	-1.040E-02	3.387E+02	2.348E+01	0.000E+00
3	3.000E+00	3.774E-01	-1.036E-02	3.762E+02	2.379E+01	0.000E+00
4	4.000E+00	3.671E-01	-1.032E-02	4.140E+02	2.411E+01	0.000E+00
5	5.000E+00	3.568E-01	-1.027E-02	4.520E+02	2.443E+01	0.000E+00
6	6.000E+00	3.466E-01	-1.022E-02	4.903E+02	2.474E+01	0.000E+00
7	7.000E+00	3.364E-01	-1.016E-02	5.288E+02	2.506E+01	0.000E+00
8	8.000E+00	3.263E-01	-1.010E-02	5.676E+02	2.538E+01	0.000E+00
9	9.000E+00	3.163E-01	-1.003E-02	6.065E+02	2.569E+01	0.000E+00
10	1.000E+01	3.064E-01	-9.959E-03	6.457E+02	2.601E+01	0.000E+00
11	1.100E+01	2.965E-01	-9.883E-03	6.851E+02	2.633E+01	0.000E+00
12	1.200E+01	2.867E-01	-9.802E-03	7.248E+02	2.665E+01	0.000E+00
13	1.300E+01	2.770E-01	-9.717E-03	7.646E+02	2.696E+01	0.000E+00
14	1.400E+01	2.673E-01	-9.627E-03	8.046E+02	2.728E+01	0.000E+00
15	1.500E+01	2.578E-01	-9.532E-03	8.448E+02	2.760E+01	0.000E+00
16	1.600E+01	2.484E-01	-9.432E-03	8.852E+02	2.791E+01	0.000E+00
17	1.700E+01	2.390E-01	-9.328E-03	9.258E+02	2.823E+01	0.000E+00
18	1.800E+01	2.298E-01	-9.219E-03	9.666E+02	2.855E+01	0.000E+00
19	1.900E+01	2.207E-01	-9.105E-03	1.007E+03	2.886E+01	0.000E+00
20	2.000E+01	2.117E-01	-8.987E-03	1.049E+03	2.918E+01	0.000E+00
21	2.100E+01	2.029E-01	-8.863E-03	1.090E+03	2.950E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.941E-01	-8.735E-03	1.131E+03	2.982E+01	0.000E+00
23	2.300E+01	1.855E-01	-8.602E-03	1.173E+03	3.013E+01	0.000E+00
24	2.400E+01	1.771E-01	-8.464E-03	1.214E+03	3.045E+01	0.000E+00
25	2.500E+01	1.687E-01	-8.321E-03	1.256E+03	3.077E+01	0.000E+00
26	2.600E+01	1.606E-01	-8.173E-03	1.298E+03	3.108E+01	0.000E+00
27	2.700E+01	1.525E-01	-8.020E-03	1.340E+03	3.140E+01	0.000E+00
28	2.800E+01	1.447E-01	-7.863E-03	1.382E+03	3.172E+01	0.000E+00
29	2.900E+01	1.370E-01	-7.700E-03	1.424E+03	3.203E+01	0.000E+00
30	3.000E+01	1.294E-01	-7.532E-03	1.467E+03	3.235E+01	0.000E+00
31	3.100E+01	1.221E-01	-7.360E-03	1.509E+03	3.267E+01	0.000E+00
32	3.200E+01	1.149E-01	-7.182E-03	1.552E+03	3.299E+01	0.000E+00
33	3.300E+01	1.079E-01	-6.999E-03	1.594E+03	3.330E+01	0.000E+00
34	3.400E+01	1.011E-01	-6.812E-03	1.594E+03	3.362E+01	0.000E+00
35	3.500E+01	9.448E-02	-6.619E-03	1.637E+03	3.394E+01	0.000E+00
36	3.600E+01	8.805E-02	-6.421E-03	1.680E+03	3.425E+01	0.000E+00
37	3.700E+01	8.184E-02	-6.219E-03	1.722E+03	3.457E+01	0.000E+00
38	3.800E+01	7.582E-02	-6.011E-03	1.765E+03	3.489E+01	0.000E+00
39	3.900E+01	7.003E-02	-5.798E-03	1.808E+03	3.520E+01	0.000E+00
40	4.000E+01	6.445E-02	-5.580E-03	1.851E+03	3.552E+01	0.000E+00
41	4.100E+01	5.909E-02	-5.357E-03	1.894E+03	3.584E+01	0.000E+00
42	4.200E+01	5.396E-02	-5.129E-03	1.937E+03	3.616E+01	0.000E+00
43	4.300E+01	4.906E-02	-4.896E-03	1.980E+03	3.647E+01	0.000E+00
44	4.400E+01	4.440E-02	-4.658E-03	2.023E+03	3.679E+01	0.000E+00
45	4.500E+01	3.999E-02	-4.415E-03	2.066E+03	3.711E+01	0.000E+00
46	4.600E+01	3.582E-02	-4.167E-03	2.109E+03	3.742E+01	0.000E+00
47	4.700E+01	3.191E-02	-3.914E-03	2.151E+03	3.774E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.825E-02	-3.656E-03	2.237E+03	3.806E+01	0.000E+00
49	4.900E+01	2.486E-02	-3.392E-03	2.280E+03	3.837E+01	0.000E+00
50	5.000E+01	2.174E-02	-3.124E-03	2.323E+03	3.869E+01	0.000E+00
51	5.100E+01	1.884E-02	-2.900E-03	2.366E+03	3.885E+01	0.000E+00
52	5.200E+01	1.613E-02	-2.706E-03	2.408E+03	3.885E+01	0.000E+00
53	5.300E+01	1.362E-02	-2.509E-03	2.450E+03	3.885E+01	0.000E+00
54	5.400E+01	1.131E-02	-2.308E-03	2.492E+03	3.885E+01	0.000E+00
55	5.500E+01	9.209E-03	-2.105E-03	2.534E+03	3.885E+01	0.000E+00
56	5.600E+01	7.311E-03	-1.897E-03	2.575E+03	3.885E+01	0.000E+00
57	5.700E+01	5.625E-03	-1.686E-03	2.616E+03	3.885E+01	0.000E+00
58	5.800E+01	4.153E-03	-1.472E-03	2.657E+03	3.885E+01	0.000E+00
59	5.900E+01	2.898E-03	-1.255E-03	2.698E+03	3.885E+01	0.000E+00
60	6.000E+01	1.864E-03	-1.034E-03	2.738E+03	3.885E+01	0.000E+00
61	6.100E+01	1.054E-03	-8.101E-04	2.778E+03	3.885E+01	0.000E+00
62	6.200E+01	4.707E-04	-5.828E-04	2.817E+03	3.885E+01	0.000E+00
63	6.300E+01	1.185E-04	-3.522E-04	2.857E+03	3.885E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.185E-04	1.448E+03	-1.409E+03	-3.885E+01
65	6.500E+01	1.185E-04	1.185E-04	0.000E+00	-1.448E+03	0.000E+00

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17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	4.191E-01	999		4.191E-01	0		0.000E+00	999		0.000E+00	999	
0	4.086E-01	0		4.086E-01	999		1.323E+02	999		1.323E+02	999	
1	3.982E-01	0		3.982E-01	999		3.015E+02	999		3.015E+02	999	
2	3.878E-01	999		3.878E-01	0		3.387E+02	999		3.387E+02	999	
3	3.774E-01	0		3.774E-01	999		3.762E+02	999		3.762E+02	999	
4	3.671E-01	999		3.671E-01	0		4.140E+02	999		4.140E+02	999	
5	3.568E-01	0		3.568E-01	999		4.520E+02	999		4.520E+02	999	
6	3.466E-01	0		3.466E-01	999		4.903E+02	999		4.903E+02	999	
7	3.364E-01	999		3.364E-01	0		5.288E+02	999		5.288E+02	999	
8	3.263E-01	0		3.263E-01	999		5.676E+02	999		5.676E+02	999	
9	3.163E-01	999		3.163E-01	0		6.065E+02	999		6.065E+02	999	
10	3.064E-01	999		3.064E-01	0		6.457E+02	999		6.457E+02	999	
11	2.965E-01	999		2.965E-01	0		6.851E+02	999		6.851E+02	999	
12	2.867E-01	999		2.867E-01	0		7.248E+02	999		7.248E+02	999	
13	2.770E-01	0		2.770E-01	999		7.646E+02	999		7.646E+02	999	
14	2.673E-01	0		2.673E-01	999		8.046E+02	999		8.046E+02	999	
15	2.578E-01	999		2.578E-01	0		8.448E+02	999		8.448E+02	999	
16	2.484E-01	0		2.484E-01	999		8.852E+02	999		8.852E+02	999	
17	2.390E-01	0		2.390E-01	999		9.258E+02	999		9.258E+02	999	
18	2.298E-01	999		2.298E-01	0		9.666E+02	999		9.666E+02	999	
19	2.207E-01	0		2.207E-01	999		1.007E+03	999		1.007E+03	999	
20	2.117E-01	999		2.117E-01	0		1.049E+03	999		1.049E+03	999	
21	2.029E-01	0		2.029E-01	999		1.090E+03	999		1.090E+03	999	
22	1.941E-01	0		1.941E-01	999		1.131E+03	999		1.131E+03	999	
23	1.855E-01	0		1.855E-01	999		1.173E+03	999		1.173E+03	999	
24	1.771E-01	999		1.771E-01	0		1.214E+03	999		1.214E+03	999	
25	1.687E-01	999		1.687E-01	0		1.256E+03	999		1.256E+03	999	
26	1.606E-01	999		1.606E-01	0		1.298E+03	999		1.298E+03	999	
27	1.525E-01	999		1.525E-01	0		1.340E+03	999		1.340E+03	999	
28	1.447E-01	999		1.447E-01	0		1.382E+03	999		1.382E+03	999	
29	1.370E-01	0		1.370E-01	999		1.424E+03	999		1.424E+03	999	
30	1.294E-01	999		1.294E-01	0		1.467E+03	999		1.467E+03	999	
31	1.221E-01	999		1.221E-01	0		1.509E+03	999		1.509E+03	999	
32	1.149E-01	999		1.149E-01	0		1.552E+03	999		1.552E+03	999	
33	1.079E-01	999		1.079E-01	0		1.594E+03	999		1.594E+03	999	
34	1.011E-01	0		1.011E-01	999		1.637E+03	999		1.637E+03	999	
35	9.448E-02	0		9.448E-02	999		1.680E+03	999		1.680E+03	999	
36	8.805E-02	999		8.805E-02	0		1.722E+03	999		1.722E+03	999	
37	8.184E-02	0		8.184E-02	999		1.765E+03	999		1.765E+03	999	
38	7.582E-02	999		7.582E-02	0		1.808E+03	999		1.808E+03	999	
39	7.003E-02	0		7.003E-02	999		1.851E+03	999		1.851E+03	999	
40	6.445E-02	999		6.445E-02	0		1.894E+03	999		1.894E+03	999	
41	5.909E-02	999		5.909E-02	0		1.937E+03	999		1.937E+03	999	
42	5.396E-02	999		5.396E-02	0		1.980E+03	999		1.980E+03	999	
43	4.906E-02	0		4.906E-02	999		2.023E+03	999		2.023E+03	999	
44	4.440E-02	0		4.440E-02	999		2.066E+03	999		2.066E+03	999	
45	3.999E-02	999		3.999E-02	0		2.109E+03	999		2.109E+03	999	
46	3.582E-02	999		3.582E-02	0		2.151E+03	999		2.151E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.191E-02		0	3.191E-02		999	2.194E+03		999	2.194E+03		999
48	2.825E-02		999	2.825E-02		0	2.237E+03		999	2.237E+03		999
49	2.486E-02		0	2.486E-02		999	2.280E+03		999	2.280E+03		999
50	2.174E-02		999	2.174E-02		0	2.323E+03		999	2.323E+03		999
51	1.884E-02		0	1.884E-02		999	2.366E+03		999	2.366E+03		999
52	1.613E-02		999	1.613E-02		0	2.408E+03		999	2.408E+03		999
53	1.362E-02		999	1.362E-02		0	2.450E+03		999	2.450E+03		999
54	1.131E-02		999	1.131E-02		0	2.492E+03		999	2.492E+03		999
55	9.209E-03		0	9.209E-03		999	2.534E+03		999	2.534E+03		999
56	7.311E-03		999	7.311E-03		0	2.575E+03		999	2.575E+03		999
57	5.625E-03		0	5.625E-03		999	2.616E+03		999	2.616E+03		999
58	4.153E-03		999	4.153E-03		0	2.657E+03		999	2.657E+03		999
59	2.898E-03		0	2.898E-03		999	2.698E+03		999	2.698E+03		999
60	1.864E-03		0	1.864E-03		999	2.738E+03		999	2.738E+03		999
61	1.054E-03		0	1.054E-03		999	2.778E+03		999	2.778E+03		999
62	4.707E-04		999	4.707E-04		0	2.817E+03		999	2.817E+03		999
63	1.185E-04		999	1.185E-04		0	2.857E+03		999	2.857E+03		999
64	0.000E+00		999	0.000E+00		999	1.448E+03		999	1.448E+03		999
65	1.185E-04		999	1.185E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.323E+02 999	1.323E+02 999	0.000E+00 999	0.000E+00 999
0	1.554E+02 999	1.554E+02 999	0.000E+00 999	0.000E+00 999
1	2.348E+01 999	2.348E+01 999	0.000E+00 999	0.000E+00 999
2	2.379E+01 999	2.379E+01 999	0.000E+00 999	0.000E+00 999
3	2.411E+01 999	2.411E+01 999	0.000E+00 999	0.000E+00 999
4	2.443E+01 999	2.443E+01 999	0.000E+00 999	0.000E+00 999
5	2.474E+01 999	2.474E+01 999	0.000E+00 999	0.000E+00 999
6	2.506E+01 999	2.506E+01 999	0.000E+00 999	0.000E+00 999
7	2.538E+01 999	2.538E+01 999	0.000E+00 999	0.000E+00 999
8	2.569E+01 999	2.569E+01 999	0.000E+00 999	0.000E+00 999
9	2.601E+01 999	2.601E+01 999	0.000E+00 999	0.000E+00 999
10	2.633E+01 999	2.633E+01 999	0.000E+00 999	0.000E+00 999
11	2.665E+01 999	2.665E+01 999	0.000E+00 999	0.000E+00 999
12	2.696E+01 999	2.696E+01 999	0.000E+00 999	0.000E+00 999
13	2.728E+01 999	2.728E+01 999	0.000E+00 999	0.000E+00 999
14	2.760E+01 999	2.760E+01 999	0.000E+00 999	0.000E+00 999
15	2.791E+01 999	2.791E+01 999	0.000E+00 999	0.000E+00 999
16	2.823E+01 999	2.823E+01 999	0.000E+00 999	0.000E+00 999
17	2.855E+01 999	2.855E+01 999	0.000E+00 999	0.000E+00 999
18	2.886E+01 999	2.886E+01 999	0.000E+00 999	0.000E+00 999
19	2.918E+01 999	2.918E+01 999	0.000E+00 999	0.000E+00 999
20	2.950E+01 999	2.950E+01 999	0.000E+00 999	0.000E+00 999
21	2.982E+01 999	2.982E+01 999	0.000E+00 999	0.000E+00 999
22	3.013E+01 999	3.013E+01 999	0.000E+00 999	0.000E+00 999
23	3.045E+01 999	3.045E+01 999	0.000E+00 999	0.000E+00 999
24	3.077E+01 999	3.077E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.108E+01 999	3.108E+01 999	0.000E+00 999	0.000E+00 999
27	3.140E+01 999	3.140E+01 999	0.000E+00 999	0.000E+00 999
28	3.172E+01 999	3.172E+01 999	0.000E+00 999	0.000E+00 999
29	3.203E+01 999	3.203E+01 999	0.000E+00 999	0.000E+00 999
30	3.235E+01 999	3.235E+01 999	0.000E+00 999	0.000E+00 999
31	3.267E+01 999	3.267E+01 999	0.000E+00 999	0.000E+00 999
32	3.299E+01 999	3.299E+01 999	0.000E+00 999	0.000E+00 999
33	3.330E+01 999	3.330E+01 999	0.000E+00 999	0.000E+00 999
34	3.362E+01 999	3.362E+01 999	0.000E+00 999	0.000E+00 999
35	3.394E+01 999	3.394E+01 999	0.000E+00 999	0.000E+00 999
36	3.425E+01 999	3.425E+01 999	0.000E+00 999	0.000E+00 999
37	3.457E+01 999	3.457E+01 999	0.000E+00 999	0.000E+00 999
38	3.489E+01 999	3.489E+01 999	0.000E+00 999	0.000E+00 999
39	3.520E+01 999	3.520E+01 999	0.000E+00 999	0.000E+00 999
40	3.552E+01 999	3.552E+01 999	0.000E+00 999	0.000E+00 999
41	3.584E+01 999	3.584E+01 999	0.000E+00 999	0.000E+00 999
42	3.616E+01 999	3.616E+01 999	0.000E+00 999	0.000E+00 999
43	3.647E+01 999	3.647E+01 999	0.000E+00 999	0.000E+00 999
44	3.679E+01 999	3.679E+01 999	0.000E+00 999	0.000E+00 999
45	3.711E+01 999	3.711E+01 999	0.000E+00 999	0.000E+00 999
46	3.742E+01 999	3.742E+01 999	0.000E+00 999	0.000E+00 999
47	3.774E+01 999	3.774E+01 999	0.000E+00 999	0.000E+00 999
48	3.806E+01 999	3.806E+01 999	0.000E+00 999	0.000E+00 999
49	3.837E+01 999	3.837E+01 999	0.000E+00 999	0.000E+00 999
50	3.869E+01 999	3.869E+01 999	0.000E+00 999	0.000E+00 999
51	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
53	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
54	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
55	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
56	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
57	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
58	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
59	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
60	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
61	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
62	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
63	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
64	-1.409E+03 999	-1.409E+03 999	-3.885E+01 999	-3.885E+01 999
65	-1.448E+03 999	-1.448E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
18 Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	4.140E+01	0.000E+00	2.802E+02	0.000E+00	-1.324E+03	
0	50	0	3.398E+07	1.580E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
18                    Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	6.947E-02		0.000E+00		0.000E+00
0	0.000E+00	6.736E-02	-2.119E-03	1.401E+02	1.401E+02	0.000E+00
1	1.000E+00	6.524E-02	-2.111E-03	3.245E+02	1.816E+02	0.000E+00
2	2.000E+00	6.314E-02	-2.101E-03	3.689E+02	4.164E+01	0.000E+00
3	3.000E+00	6.105E-02	-2.090E-03	4.135E+02	4.179E+01	0.000E+00
4	4.000E+00	5.898E-02	-2.078E-03	4.135E+02	4.195E+01	0.000E+00
5	5.000E+00	5.691E-02	-2.065E-03	4.582E+02	4.211E+01	0.000E+00
6	6.000E+00	5.486E-02	-2.050E-03	5.030E+02	4.227E+01	0.000E+00
7	7.000E+00	5.486E-02	-2.034E-03	5.480E+02	4.243E+01	0.000E+00
8	8.000E+00	5.283E-02	-2.016E-03	5.931E+02	4.259E+01	0.000E+00
9	9.000E+00	5.081E-02	-2.016E-03	6.384E+02	4.259E+01	0.000E+00
10	1.000E+01	4.881E-02	-1.998E-03	6.837E+02	4.274E+01	0.000E+00
11	1.100E+01	4.684E-02	-1.977E-03	7.293E+02	4.290E+01	0.000E+00
12	1.200E+01	4.488E-02	-1.956E-03	7.749E+02	4.306E+01	0.000E+00
13	1.300E+01	4.295E-02	-1.933E-03	8.207E+02	4.322E+01	0.000E+00
14	1.400E+01	4.104E-02	-1.909E-03	8.666E+02	4.337E+01	0.000E+00
15	1.500E+01	3.915E-02	-1.883E-03	9.126E+02	4.353E+01	0.000E+00
16	1.600E+01	3.730E-02	-1.857E-03	9.588E+02	4.369E+01	0.000E+00
17	1.700E+01	3.547E-02	-1.828E-03	1.005E+03	4.385E+01	0.000E+00
18	1.800E+01	3.367E-02	-1.799E-03	1.051E+03	4.401E+01	0.000E+00
19	1.900E+01	3.190E-02	-1.768E-03	1.098E+03	4.417E+01	0.000E+00
20	2.000E+01	3.017E-02	-1.736E-03	1.145E+03	4.432E+01	0.000E+00
21	2.100E+01	2.846E-02	-1.702E-03	1.191E+03	4.448E+01	0.000E+00
22	2.200E+01	2.680E-02	-1.667E-03	1.238E+03	4.464E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.517E-02	-1.630E-03	1.285E+03	4.480E+01	0.000E+00
23	2.300E+01	2.358E-02	-1.593E-03	1.332E+03	4.496E+01	0.000E+00
24	2.400E+01	2.202E-02	-1.553E-03	1.379E+03	4.511E+01	0.000E+00
25	2.500E+01	2.051E-02	-1.513E-03	1.427E+03	4.527E+01	0.000E+00
26	2.600E+01	1.904E-02	-1.471E-03	1.474E+03	4.543E+01	0.000E+00
27	2.700E+01	1.761E-02	-1.427E-03	1.521E+03	4.559E+01	0.000E+00
28	2.800E+01	1.623E-02	-1.383E-03	1.569E+03	4.574E+01	0.000E+00
29	2.900E+01	1.489E-02	-1.336E-03	1.617E+03	4.590E+01	0.000E+00
30	3.000E+01	1.360E-02	-1.289E-03	1.664E+03	4.606E+01	0.000E+00
31	3.100E+01	1.236E-02	-1.240E-03	1.712E+03	4.622E+01	0.000E+00
32	3.200E+01	1.117E-02	-1.190E-03	1.760E+03	4.638E+01	0.000E+00
33	3.300E+01	1.004E-02	-1.138E-03	1.808E+03	4.654E+01	0.000E+00
34	3.400E+01	8.951E-03	-1.084E-03	1.856E+03	4.669E+01	0.000E+00
35	3.500E+01	7.921E-03	-1.030E-03	1.905E+03	4.685E+01	0.000E+00
36	3.600E+01	6.948E-03	-9.738E-04	1.953E+03	4.701E+01	0.000E+00
37	3.700E+01	6.031E-03	-9.163E-04	2.001E+03	4.717E+01	0.000E+00
38	3.800E+01	5.174E-03	-8.574E-04	2.050E+03	4.733E+01	0.000E+00
39	3.900E+01	4.377E-03	-7.971E-04	2.098E+03	4.748E+01	0.000E+00
40	4.000E+01	3.641E-03	-7.354E-04	2.147E+03	4.764E+01	0.000E+00
41	4.100E+01	2.969E-03	-6.722E-04	2.196E+03	4.780E+01	0.000E+00
42	4.200E+01	2.362E-03	-6.076E-04	2.244E+03	4.796E+01	0.000E+00
43	4.300E+01	1.820E-03	-5.415E-04	2.293E+03	4.812E+01	0.000E+00
44	4.400E+01	1.346E-03	-4.740E-04	2.342E+03	4.827E+01	0.000E+00
45	4.500E+01	9.410E-04	-4.051E-04	2.391E+03	4.843E+01	0.000E+00
46	4.600E+01	6.063E-04	-3.347E-04	2.440E+03	4.859E+01	0.000E+00
47	4.700E+01	3.434E-04	-2.629E-04	2.489E+03	4.875E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.538E-04	-1.897E-04	2.538E+03	4.891E+01	0.000E+00
49	4.900E+01	3.880E-05	-1.150E-04	2.588E+03	4.906E+01	0.000E+00
50	5.000E+01	0.000E+00	-3.880E-05	1.318E+03	-1.269E+03	-4.930E+01
51	5.100E+01	3.880E-05	3.880E-05	0.000E+00	-1.318E+03	0.000E+00

PROB (CONTD)

18 Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	6.947E-02	999		6.947E-02	0		0.000E+00	999		0.000E+00	999	
0	6.736E-02	999		6.736E-02	0		1.401E+02	999		1.401E+02	999	
1	6.524E-02	0		6.524E-02	999		3.245E+02	999		3.245E+02	999	
2	6.314E-02	999		6.314E-02	0		3.689E+02	999		3.689E+02	999	
3	6.105E-02	0		6.105E-02	999		4.135E+02	999		4.135E+02	999	
4	5.898E-02	0		5.898E-02	999		4.582E+02	999		4.582E+02	999	
5	5.691E-02	999		5.691E-02	0		5.030E+02	999		5.030E+02	999	
6	5.486E-02	999		5.486E-02	0		5.480E+02	999		5.480E+02	999	
7	5.283E-02	0		5.283E-02	999		5.931E+02	999		5.931E+02	999	
8	5.081E-02	999		5.081E-02	0		6.384E+02	999		6.384E+02	999	
9	4.881E-02	0		4.881E-02	999		6.837E+02	999		6.837E+02	999	
10	4.684E-02	0		4.684E-02	999		7.293E+02	999		7.293E+02	999	
11	4.488E-02	0		4.488E-02	999		7.749E+02	999		7.749E+02	999	
12	4.295E-02	999		4.295E-02	0		8.207E+02	999		8.207E+02	999	
13	4.104E-02	0		4.104E-02	999		8.666E+02	999		8.666E+02	999	
14	3.915E-02	0		3.915E-02	999		9.126E+02	999		9.126E+02	999	
15	3.730E-02	999		3.730E-02	0		9.588E+02	999		9.588E+02	999	
16	3.547E-02	0		3.547E-02	999		1.005E+03	999		1.005E+03	999	
17	3.367E-02	999		3.367E-02	0		1.051E+03	999		1.051E+03	999	
18	3.190E-02	0		3.190E-02	999		1.098E+03	999		1.098E+03	999	
19	3.017E-02	0		3.017E-02	999		1.145E+03	999		1.145E+03	999	
20	2.846E-02	0		2.846E-02	999		1.191E+03	999		1.191E+03	999	
21	2.680E-02	999		2.680E-02	0		1.238E+03	999		1.238E+03	999	
22	2.517E-02	0		2.517E-02	999		1.285E+03	999		1.285E+03	999	
23	2.358E-02	999		2.358E-02	0		1.332E+03	999		1.332E+03	999	
24	2.202E-02	999		2.202E-02	0		1.379E+03	999		1.379E+03	999	
25	2.051E-02	0		2.051E-02	999		1.427E+03	999		1.427E+03	999	
26	1.904E-02	999		1.904E-02	0		1.474E+03	999		1.474E+03	999	
27	1.761E-02	999		1.761E-02	0		1.521E+03	999		1.521E+03	999	
28	1.623E-02	999		1.623E-02	0		1.569E+03	999		1.569E+03	999	
29	1.489E-02	999		1.489E-02	0		1.617E+03	999		1.617E+03	999	
30	1.360E-02	999		1.360E-02	0		1.664E+03	999		1.664E+03	999	
31	1.236E-02	0		1.236E-02	999		1.712E+03	999		1.712E+03	999	
32	1.117E-02	999		1.117E-02	0		1.760E+03	999		1.760E+03	999	
33	1.004E-02	0		1.004E-02	999		1.808E+03	999		1.808E+03	999	
34	8.951E-03	999		8.951E-03	0		1.856E+03	999		1.856E+03	999	
35	7.921E-03	0		7.921E-03	999		1.905E+03	999		1.905E+03	999	
36	6.948E-03	999		6.948E-03	0		1.953E+03	999		1.953E+03	999	
37	6.031E-03	0		6.031E-03	999		2.001E+03	999		2.001E+03	999	
38	5.174E-03	0		5.174E-03	999		2.050E+03	999		2.050E+03	999	
39	4.377E-03	0		4.377E-03	999		2.098E+03	999		2.098E+03	999	
40	3.641E-03	999		3.641E-03	0		2.147E+03	999		2.147E+03	999	
41	2.969E-03	999		2.969E-03	0		2.196E+03	999		2.196E+03	999	
42	2.362E-03	999		2.362E-03	0		2.244E+03	999		2.244E+03	999	
43	1.820E-03	999		1.820E-03	0		2.293E+03	999		2.293E+03	999	
44	1.346E-03	999		1.346E-03	0		2.342E+03	999		2.342E+03	999	
45	9.410E-04	999		9.410E-04	0		2.391E+03	999		2.391E+03	999	
46	6.063E-04	999		6.063E-04	0		2.440E+03	999		2.440E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.434E-04		999	3.434E-04		0	2.489E+03		999	2.489E+03		999
48	1.538E-04		0	1.538E-04		999	2.538E+03		999	2.538E+03		999
49	3.880E-05		0	3.880E-05		999	2.588E+03		999	2.588E+03		999
50	0.000E+00		999	0.000E+00		999	1.318E+03		999	1.318E+03		999
51	3.880E-05		0	3.880E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.401E+02 999	1.401E+02 999	0.000E+00 999	0.000E+00 999
1	1.816E+02 999	1.816E+02 999	0.000E+00 999	0.000E+00 999
2	4.164E+01 999	4.164E+01 999	0.000E+00 999	0.000E+00 999
3	4.179E+01 999	4.179E+01 999	0.000E+00 999	0.000E+00 999
4	4.195E+01 999	4.195E+01 999	0.000E+00 999	0.000E+00 999
5	4.211E+01 999	4.211E+01 999	0.000E+00 999	0.000E+00 999
6	4.227E+01 999	4.227E+01 999	0.000E+00 999	0.000E+00 999
7	4.243E+01 999	4.243E+01 999	0.000E+00 999	0.000E+00 999
8	4.259E+01 999	4.259E+01 999	0.000E+00 999	0.000E+00 999
9	4.274E+01 999	4.274E+01 999	0.000E+00 999	0.000E+00 999
10	4.290E+01 999	4.290E+01 999	0.000E+00 999	0.000E+00 999
11	4.306E+01 999	4.306E+01 999	0.000E+00 999	0.000E+00 999
12	4.322E+01 999	4.322E+01 999	0.000E+00 999	0.000E+00 999
13	4.337E+01 999	4.337E+01 999	0.000E+00 999	0.000E+00 999
14	4.353E+01 999	4.353E+01 999	0.000E+00 999	0.000E+00 999
15	4.369E+01 999	4.369E+01 999	0.000E+00 999	0.000E+00 999
16	4.385E+01 999	4.385E+01 999	0.000E+00 999	0.000E+00 999
17	4.401E+01 999	4.401E+01 999	0.000E+00 999	0.000E+00 999
18	4.417E+01 999	4.417E+01 999	0.000E+00 999	0.000E+00 999
19	4.432E+01 999	4.432E+01 999	0.000E+00 999	0.000E+00 999
20	4.448E+01 999	4.448E+01 999	0.000E+00 999	0.000E+00 999
21	4.464E+01 999	4.464E+01 999	0.000E+00 999	0.000E+00 999
22	4.480E+01 999	4.480E+01 999	0.000E+00 999	0.000E+00 999
23	4.496E+01 999	4.496E+01 999	0.000E+00 999	0.000E+00 999
24	4.511E+01 999	4.511E+01 999	0.000E+00 999	0.000E+00 999
25	4.527E+01 999	4.527E+01 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	4.543E+01 999	4.543E+01 999	0.000E+00 999	0.000E+00 999
27	4.559E+01 999	4.559E+01 999	0.000E+00 999	0.000E+00 999
28	4.574E+01 999	4.574E+01 999	0.000E+00 999	0.000E+00 999
29	4.590E+01 999	4.590E+01 999	0.000E+00 999	0.000E+00 999
30	4.606E+01 999	4.606E+01 999	0.000E+00 999	0.000E+00 999
31	4.622E+01 999	4.622E+01 999	0.000E+00 999	0.000E+00 999
32	4.638E+01 999	4.638E+01 999	0.000E+00 999	0.000E+00 999
33	4.654E+01 999	4.654E+01 999	0.000E+00 999	0.000E+00 999
34	4.669E+01 999	4.669E+01 999	0.000E+00 999	0.000E+00 999
35	4.685E+01 999	4.685E+01 999	0.000E+00 999	0.000E+00 999
36	4.701E+01 999	4.701E+01 999	0.000E+00 999	0.000E+00 999
37	4.717E+01 999	4.717E+01 999	0.000E+00 999	0.000E+00 999
38	4.733E+01 999	4.733E+01 999	0.000E+00 999	0.000E+00 999
39	4.748E+01 999	4.748E+01 999	0.000E+00 999	0.000E+00 999
40	4.764E+01 999	4.764E+01 999	0.000E+00 999	0.000E+00 999
41	4.780E+01 999	4.780E+01 999	0.000E+00 999	0.000E+00 999
42	4.796E+01 999	4.796E+01 999	0.000E+00 999	0.000E+00 999
43	4.812E+01 999	4.812E+01 999	0.000E+00 999	0.000E+00 999
44	4.827E+01 999	4.827E+01 999	0.000E+00 999	0.000E+00 999
45	4.843E+01 999	4.843E+01 999	0.000E+00 999	0.000E+00 999
46	4.859E+01 999	4.859E+01 999	0.000E+00 999	0.000E+00 999
47	4.875E+01 999	4.875E+01 999	0.000E+00 999	0.000E+00 999
48	4.891E+01 999	4.891E+01 999	0.000E+00 999	0.000E+00 999
49	4.906E+01 999	4.906E+01 999	0.000E+00 999	0.000E+00 999
50	-1.269E+03 999	-1.269E+03 999	-4.930E+01 999	-4.930E+01 999
51	-1.318E+03 999	-1.318E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
 19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.750E+01	0.000E+00	2.907E+02	0.000E+00	-1.324E+03
0	50	0	8.496E+06	3.880E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.324E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	4.961E-01		0.000E+00		0.000E+00
0	0.000E+00	4.838E-01	-1.234E-02	1.454E+02	1.454E+02	0.000E+00
1	1.000E+00	4.714E-01	-1.231E-02	3.347E+02	1.730E+02	0.000E+00
2	2.000E+00	4.592E-01	-1.227E-02	3.790E+02	2.808E+01	0.000E+00
3	3.000E+00	4.470E-01	-1.223E-02	4.237E+02	2.847E+01	0.000E+00
4	4.000E+00	4.348E-01	-1.218E-02	4.687E+02	2.886E+01	0.000E+00
5	5.000E+00	4.227E-01	-1.212E-02	5.140E+02	2.925E+01	0.000E+00
6	6.000E+00	4.106E-01	-1.206E-02	5.596E+02	2.963E+01	0.000E+00
7	7.000E+00	3.986E-01	-1.200E-02	6.055E+02	3.002E+01	0.000E+00
8	8.000E+00	3.867E-01	-1.192E-02	6.517E+02	3.041E+01	0.000E+00
9	9.000E+00	3.748E-01	-1.185E-02	6.981E+02	3.080E+01	0.000E+00
10	1.000E+01	3.631E-01	-1.176E-02	7.449E+02	3.119E+01	0.000E+00
11	1.100E+01	3.514E-01	-1.168E-02	7.919E+02	3.157E+01	0.000E+00
12	1.200E+01	3.398E-01	-1.158E-02	8.392E+02	3.196E+01	0.000E+00
13	1.300E+01	3.283E-01	-1.149E-02	8.868E+02	3.235E+01	0.000E+00
14	1.400E+01	3.169E-01	-1.138E-02	9.346E+02	3.274E+01	0.000E+00
15	1.500E+01	3.057E-01	-1.127E-02	9.827E+02	3.313E+01	0.000E+00
16	1.600E+01	2.945E-01	-1.116E-02	1.031E+03	3.351E+01	0.000E+00
17	1.700E+01	2.835E-01	-1.103E-02	1.079E+03	3.390E+01	0.000E+00
18	1.800E+01	2.726E-01	-1.091E-02	1.128E+03	3.429E+01	0.000E+00
19	1.900E+01	2.618E-01	-1.077E-02	1.177E+03	3.468E+01	0.000E+00
20	2.000E+01	2.512E-01	-1.064E-02	1.226E+03	3.507E+01	0.000E+00
21	2.100E+01	2.407E-01	-1.049E-02	1.276E+03	3.545E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.303E-01	-1.034E-02	1.325E+03	3.584E+01	0.000E+00
23	2.300E+01	2.201E-01	-1.019E-02	1.375E+03	3.623E+01	0.000E+00
24	2.400E+01	2.101E-01	-1.002E-02	1.425E+03	3.662E+01	0.000E+00
25	2.500E+01	2.003E-01	-9.856E-03	1.475E+03	3.701E+01	0.000E+00
26	2.600E+01	1.906E-01	-9.682E-03	1.525E+03	3.739E+01	0.000E+00
27	2.700E+01	1.811E-01	-9.502E-03	1.575E+03	3.778E+01	0.000E+00
28	2.800E+01	1.718E-01	-9.317E-03	1.626E+03	3.817E+01	0.000E+00
29	2.900E+01	1.626E-01	-9.126E-03	1.677E+03	3.856E+01	0.000E+00
30	3.000E+01	1.537E-01	-8.928E-03	1.727E+03	3.895E+01	0.000E+00
31	3.100E+01	1.450E-01	-8.725E-03	1.778E+03	3.933E+01	0.000E+00
32	3.200E+01	1.365E-01	-8.516E-03	1.829E+03	3.972E+01	0.000E+00
33	3.300E+01	1.282E-01	-8.300E-03	1.880E+03	4.011E+01	0.000E+00
34	3.400E+01	1.201E-01	-8.079E-03	1.931E+03	4.050E+01	0.000E+00
35	3.500E+01	1.122E-01	-7.852E-03	1.983E+03	4.089E+01	0.000E+00
36	3.600E+01	1.046E-01	-7.618E-03	2.034E+03	4.127E+01	0.000E+00
37	3.700E+01	9.724E-02	-7.379E-03	2.086E+03	4.166E+01	0.000E+00
38	3.800E+01	9.010E-02	-7.134E-03	2.137E+03	4.205E+01	0.000E+00
39	3.900E+01	8.322E-02	-6.882E-03	2.189E+03	4.244E+01	0.000E+00
40	4.000E+01	7.660E-02	-6.624E-03	2.240E+03	4.283E+01	0.000E+00
41	4.100E+01	7.023E-02	-6.361E-03	2.292E+03	4.321E+01	0.000E+00
42	4.200E+01	6.414E-02	-6.091E-03	2.343E+03	4.360E+01	0.000E+00
43	4.300E+01	5.833E-02	-5.815E-03	2.395E+03	4.399E+01	0.000E+00
44	4.400E+01	5.280E-02	-5.533E-03	2.447E+03	4.438E+01	0.000E+00
45	4.500E+01	4.755E-02	-5.245E-03	2.499E+03	4.477E+01	0.000E+00
46	4.600E+01	4.260E-02	-4.951E-03	2.550E+03	4.515E+01	0.000E+00
47	4.700E+01	3.795E-02	-4.651E-03	2.602E+03	4.554E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.360E-02	-4.345E-03	2.654E+03	4.593E+01	0.000E+00
49	4.900E+01	2.957E-02	-4.032E-03	2.705E+03	4.632E+01	0.000E+00
50	5.000E+01	2.586E-02	-3.714E-03	2.757E+03	4.671E+01	0.000E+00
51	5.100E+01	2.241E-02	-3.448E-03	2.808E+03	4.690E+01	0.000E+00
52	5.200E+01	1.919E-02	-3.218E-03	2.860E+03	4.690E+01	0.000E+00
53	5.300E+01	1.621E-02	-2.984E-03	2.910E+03	4.690E+01	0.000E+00
54	5.400E+01	1.346E-02	-2.746E-03	2.961E+03	4.690E+01	0.000E+00
55	5.500E+01	1.096E-02	-2.503E-03	3.011E+03	4.690E+01	0.000E+00
56	5.600E+01	8.701E-03	-2.257E-03	3.061E+03	4.690E+01	0.000E+00
57	5.700E+01	6.695E-03	-2.007E-03	3.111E+03	4.690E+01	0.000E+00
58	5.800E+01	4.943E-03	-1.752E-03	3.160E+03	4.690E+01	0.000E+00
59	5.900E+01	3.449E-03	-1.493E-03	3.209E+03	4.690E+01	0.000E+00
60	6.000E+01	2.218E-03	-1.231E-03	3.257E+03	4.690E+01	0.000E+00
61	6.100E+01	1.254E-03	-9.643E-04	3.305E+03	4.690E+01	0.000E+00
62	6.200E+01	5.604E-04	-6.938E-04	3.353E+03	4.690E+01	0.000E+00
63	6.300E+01	1.411E-04	-4.194E-04	3.401E+03	4.690E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.411E-04	1.724E+03	-1.677E+03	-4.690E+01
65	6.500E+01	1.411E-04	1.411E-04	0.000E+00	-1.724E+03	0.000E+00



PROB (CONTD)

19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	4.961E-01	999		4.961E-01	0		0.000E+00	999		0.000E+00	999	
0	4.838E-01	0		4.838E-01	999		1.454E+02	999		1.454E+02	999	
1	4.714E-01	999		4.714E-01	0		3.347E+02	999		3.347E+02	999	
2	4.592E-01	0		4.592E-01	999		3.790E+02	999		3.790E+02	999	
3	4.470E-01	0		4.470E-01	999		4.237E+02	999		4.237E+02	999	
4	4.348E-01	0		4.348E-01	999		4.687E+02	999		4.687E+02	999	
5	4.227E-01	999		4.227E-01	0		5.140E+02	999		5.140E+02	999	
6	4.106E-01	999		4.106E-01	0		5.596E+02	999		5.596E+02	999	
7	3.986E-01	0		3.986E-01	999		6.055E+02	999		6.055E+02	999	
8	3.867E-01	999		3.867E-01	0		6.517E+02	999		6.517E+02	999	
9	3.748E-01	999		3.748E-01	0		6.981E+02	999		6.981E+02	999	
10	3.631E-01	0		3.631E-01	999		7.449E+02	999		7.449E+02	999	
11	3.514E-01	999		3.514E-01	0		7.919E+02	999		7.919E+02	999	
12	3.398E-01	999		3.398E-01	0		8.392E+02	999		8.392E+02	999	
13	3.283E-01	999		3.283E-01	0		8.868E+02	999		8.868E+02	999	
14	3.169E-01	999		3.169E-01	0		9.346E+02	999		9.346E+02	999	
15	3.057E-01	999		3.057E-01	0		9.827E+02	999		9.827E+02	999	
16	2.945E-01	999		2.945E-01	0		1.031E+03	999		1.031E+03	999	
17	2.835E-01	999		2.835E-01	0		1.079E+03	999		1.079E+03	999	
18	2.726E-01	0		2.726E-01	999		1.128E+03	999		1.128E+03	999	
19	2.618E-01	0		2.618E-01	999		1.177E+03	999		1.177E+03	999	
20	2.512E-01	999		2.512E-01	0		1.226E+03	999		1.226E+03	999	
21	2.407E-01	0		2.407E-01	999		1.276E+03	999		1.276E+03	999	
22	2.303E-01	0		2.303E-01	999		1.325E+03	999		1.325E+03	999	
23	2.201E-01	0		2.201E-01	999		1.375E+03	999		1.375E+03	999	
24	2.101E-01	0		2.101E-01	999		1.425E+03	999		1.425E+03	999	
25	2.003E-01	0		2.003E-01	999		1.475E+03	999		1.475E+03	999	
26	1.906E-01	999		1.906E-01	0		1.525E+03	999		1.525E+03	999	
27	1.811E-01	999		1.811E-01	0		1.575E+03	999		1.575E+03	999	
28	1.718E-01	999		1.718E-01	0		1.626E+03	999		1.626E+03	999	
29	1.626E-01	0		1.626E-01	999		1.677E+03	999		1.677E+03	999	
30	1.537E-01	0		1.537E-01	999		1.727E+03	999		1.727E+03	999	
31	1.450E-01	0		1.450E-01	999		1.778E+03	999		1.778E+03	999	
32	1.365E-01	999		1.365E-01	0		1.829E+03	999		1.829E+03	999	
33	1.282E-01	999		1.282E-01	0		1.880E+03	999		1.880E+03	999	
34	1.201E-01	0		1.201E-01	999		1.931E+03	999		1.931E+03	999	
35	1.122E-01	999		1.122E-01	0		1.983E+03	999		1.983E+03	999	
36	1.046E-01	999		1.046E-01	0		2.034E+03	999		2.034E+03	999	
37	9.724E-02	999		9.724E-02	0		2.086E+03	999		2.086E+03	999	
38	9.010E-02	0		9.010E-02	999		2.137E+03	999		2.137E+03	999	
39	8.322E-02	999		8.322E-02	0		2.189E+03	999		2.189E+03	999	
40	7.660E-02	999		7.660E-02	0		2.240E+03	999		2.240E+03	999	
41	7.023E-02	0		7.023E-02	999		2.292E+03	999		2.292E+03	999	
42	6.414E-02	0		6.414E-02	999		2.343E+03	999		2.343E+03	999	
43	5.833E-02	999		5.833E-02	0		2.395E+03	999		2.395E+03	999	
44	5.280E-02	999		5.280E-02	0		2.447E+03	999		2.447E+03	999	
45	4.755E-02	0		4.755E-02	999		2.499E+03	999		2.499E+03	999	
46	4.260E-02	0		4.260E-02	999		2.550E+03	999		2.550E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.795E-02		0	3.795E-02		999	2.602E+03		999	2.602E+03		999
48	3.360E-02		999	3.360E-02		0	2.654E+03		999	2.654E+03		999
49	2.957E-02		999	2.957E-02		0	2.705E+03		999	2.705E+03		999
50	2.586E-02		999	2.586E-02		0	2.757E+03		999	2.757E+03		999
51	2.241E-02		999	2.241E-02		0	2.808E+03		999	2.808E+03		999
52	1.919E-02		0	1.919E-02		999	2.860E+03		999	2.860E+03		999
53	1.621E-02		0	1.621E-02		999	2.910E+03		999	2.910E+03		999
54	1.346E-02		999	1.346E-02		0	2.961E+03		999	2.961E+03		999
55	1.096E-02		999	1.096E-02		0	3.011E+03		999	3.011E+03		999
56	8.701E-03		999	8.701E-03		0	3.061E+03		999	3.061E+03		999
57	6.695E-03		0	6.695E-03		999	3.111E+03		999	3.111E+03		999
58	4.943E-03		999	4.943E-03		0	3.160E+03		999	3.160E+03		999
59	3.449E-03		999	3.449E-03		0	3.209E+03		999	3.209E+03		999
60	2.218E-03		999	2.218E-03		0	3.257E+03		999	3.257E+03		999
61	1.254E-03		0	1.254E-03		999	3.305E+03		999	3.305E+03		999
62	5.604E-04		0	5.604E-04		999	3.353E+03		999	3.353E+03		999
63	1.411E-04		999	1.411E-04		0	3.401E+03		999	3.401E+03		999
64	0.000E+00		999	0.000E+00		999	1.724E+03		999	1.724E+03		999
65	1.411E-04		999	1.411E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.454E+02 999	1.454E+02 999	0.000E+00 999	0.000E+00 999
1	1.730E+02 999	1.730E+02 999	0.000E+00 999	0.000E+00 999
2	2.808E+01 999	2.808E+01 999	0.000E+00 999	0.000E+00 999
3	2.847E+01 999	2.847E+01 999	0.000E+00 999	0.000E+00 999
4	2.886E+01 999	2.886E+01 999	0.000E+00 999	0.000E+00 999
5	2.925E+01 999	2.925E+01 999	0.000E+00 999	0.000E+00 999
6	2.963E+01 999	2.963E+01 999	0.000E+00 999	0.000E+00 999
7	3.002E+01 999	3.002E+01 999	0.000E+00 999	0.000E+00 999
8	3.041E+01 999	3.041E+01 999	0.000E+00 999	0.000E+00 999
9	3.080E+01 999	3.080E+01 999	0.000E+00 999	0.000E+00 999
10	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
11	3.157E+01 999	3.157E+01 999	0.000E+00 999	0.000E+00 999
12	3.196E+01 999	3.196E+01 999	0.000E+00 999	0.000E+00 999
13	3.235E+01 999	3.235E+01 999	0.000E+00 999	0.000E+00 999
14	3.274E+01 999	3.274E+01 999	0.000E+00 999	0.000E+00 999
15	3.313E+01 999	3.313E+01 999	0.000E+00 999	0.000E+00 999
16	3.351E+01 999	3.351E+01 999	0.000E+00 999	0.000E+00 999
17	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
18	3.429E+01 999	3.429E+01 999	0.000E+00 999	0.000E+00 999
19	3.468E+01 999	3.468E+01 999	0.000E+00 999	0.000E+00 999
20	3.507E+01 999	3.507E+01 999	0.000E+00 999	0.000E+00 999
21	3.545E+01 999	3.545E+01 999	0.000E+00 999	0.000E+00 999
22	3.584E+01 999	3.584E+01 999	0.000E+00 999	0.000E+00 999
23	3.623E+01 999	3.623E+01 999	0.000E+00 999	0.000E+00 999
24	3.662E+01 999	3.662E+01 999	0.000E+00 999	0.000E+00 999
25	3.701E+01 999	3.701E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.739E+01 999	3.739E+01 999	0.000E+00 999	0.000E+00 999
27	3.778E+01 999	3.778E+01 999	0.000E+00 999	0.000E+00 999
28	3.817E+01 999	3.817E+01 999	0.000E+00 999	0.000E+00 999
29	3.856E+01 999	3.856E+01 999	0.000E+00 999	0.000E+00 999
30	3.895E+01 999	3.895E+01 999	0.000E+00 999	0.000E+00 999
31	3.933E+01 999	3.933E+01 999	0.000E+00 999	0.000E+00 999
32	3.972E+01 999	3.972E+01 999	0.000E+00 999	0.000E+00 999
33	4.011E+01 999	4.011E+01 999	0.000E+00 999	0.000E+00 999
34	4.050E+01 999	4.050E+01 999	0.000E+00 999	0.000E+00 999
35	4.089E+01 999	4.089E+01 999	0.000E+00 999	0.000E+00 999
36	4.127E+01 999	4.127E+01 999	0.000E+00 999	0.000E+00 999
37	4.166E+01 999	4.166E+01 999	0.000E+00 999	0.000E+00 999
38	4.205E+01 999	4.205E+01 999	0.000E+00 999	0.000E+00 999
39	4.244E+01 999	4.244E+01 999	0.000E+00 999	0.000E+00 999
40	4.283E+01 999	4.283E+01 999	0.000E+00 999	0.000E+00 999
41	4.321E+01 999	4.321E+01 999	0.000E+00 999	0.000E+00 999
42	4.360E+01 999	4.360E+01 999	0.000E+00 999	0.000E+00 999
43	4.399E+01 999	4.399E+01 999	0.000E+00 999	0.000E+00 999
44	4.438E+01 999	4.438E+01 999	0.000E+00 999	0.000E+00 999
45	4.477E+01 999	4.477E+01 999	0.000E+00 999	0.000E+00 999
46	4.515E+01 999	4.515E+01 999	0.000E+00 999	0.000E+00 999
47	4.554E+01 999	4.554E+01 999	0.000E+00 999	0.000E+00 999
48	4.593E+01 999	4.593E+01 999	0.000E+00 999	0.000E+00 999
49	4.632E+01 999	4.632E+01 999	0.000E+00 999	0.000E+00 999
50	4.671E+01 999	4.671E+01 999	0.000E+00 999	0.000E+00 999
51	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
53	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
54	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
55	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
56	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
57	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
58	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
59	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
60	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
61	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
62	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
63	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
64	-1.677E+03 999	-1.677E+03 999	-4.690E+01 999	-4.690E+01 999
65	-1.724E+03 999	-1.724E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	2.150E+01	0.000E+00	1.445E+02	0.000E+00	-1.324E+03	
0	50	0	3.398E+07	1.120E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases ~ LRFD Column Design Example, Bent 2

PROB  
20        Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.677E-02		0.000E+00		0.000E+00
0	0.000E+00	3.566E-02	-1.118E-03	7.225E+01	7.225E+01	0.000E+00
1	1.000E+00	3.454E-02	-1.114E-03	1.675E+02	9.381E+01	0.000E+00
2	2.000E+00	3.343E-02	-1.109E-03	1.907E+02	2.167E+01	0.000E+00
3	3.000E+00	3.233E-02	-1.103E-03	2.139E+02	2.178E+01	0.000E+00
4	4.000E+00	3.123E-02	-1.097E-03	2.373E+02	2.189E+01	0.000E+00
5	5.000E+00	3.014E-02	-1.090E-03	2.607E+02	2.200E+01	0.000E+00
6	6.000E+00	2.906E-02	-1.082E-03	2.842E+02	2.212E+01	0.000E+00
7	7.000E+00	2.799E-02	-1.074E-03	3.079E+02	2.223E+01	0.000E+00
8	8.000E+00	2.692E-02	-1.065E-03	3.316E+02	2.234E+01	0.000E+00
9	9.000E+00	2.587E-02	-1.055E-03	3.555E+02	2.245E+01	0.000E+00
10	1.000E+01	2.482E-02	-1.045E-03	3.794E+02	2.256E+01	0.000E+00
11	1.100E+01	2.379E-02	-1.034E-03	4.035E+02	2.268E+01	0.000E+00
12	1.200E+01	2.277E-02	-1.022E-03	4.276E+02	2.279E+01	0.000E+00
13	1.300E+01	2.176E-02	-1.009E-03	4.519E+02	2.290E+01	0.000E+00
14	1.400E+01	2.076E-02	-9.958E-04	4.762E+02	2.301E+01	0.000E+00
15	1.500E+01	1.978E-02	-9.818E-04	5.006E+02	2.312E+01	0.000E+00
16	1.600E+01	1.881E-02	-9.670E-04	5.251E+02	2.324E+01	0.000E+00
17	1.700E+01	1.786E-02	-9.516E-04	5.497E+02	2.335E+01	0.000E+00
18	1.800E+01	1.693E-02	-9.354E-04	5.744E+02	2.346E+01	0.000E+00
19	1.900E+01	1.601E-02	-9.185E-04	5.992E+02	2.357E+01	0.000E+00
20	2.000E+01	1.511E-02	-9.009E-04	6.241E+02	2.368E+01	0.000E+00
21	2.100E+01	1.422E-02	-8.825E-04	6.491E+02	2.380E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.336E-02	-8.634E-04	6.741E+02	2.391E+01	0.000E+00
23	2.300E+01	1.252E-02	-8.435E-04	6.993E+02	2.402E+01	0.000E+00
24	2.400E+01	1.169E-02	-8.230E-04	7.245E+02	2.413E+01	0.000E+00
25	2.500E+01	1.089E-02	-8.016E-04	7.498E+02	2.424E+01	0.000E+00
26	2.600E+01	1.011E-02	-7.796E-04	7.752E+02	2.436E+01	0.000E+00
27	2.700E+01	9.357E-03	-7.568E-04	8.006E+02	2.447E+01	0.000E+00
28	2.800E+01	8.624E-03	-7.332E-04	8.262E+02	2.458E+01	0.000E+00
29	2.900E+01	7.915E-03	-7.089E-04	8.518E+02	2.469E+01	0.000E+00
30	3.000E+01	7.231E-03	-6.838E-04	8.775E+02	2.480E+01	0.000E+00
31	3.100E+01	6.573E-03	-6.580E-04	9.033E+02	2.492E+01	0.000E+00
32	3.200E+01	5.942E-03	-6.314E-04	9.292E+02	2.503E+01	0.000E+00
33	3.300E+01	5.337E-03	-6.041E-04	9.551E+02	2.514E+01	0.000E+00
34	3.400E+01	4.761E-03	-5.760E-04	9.811E+02	2.525E+01	0.000E+00
35	3.500E+01	4.214E-03	-5.471E-04	1.007E+03	2.536E+01	0.000E+00
36	3.600E+01	3.697E-03	-5.174E-04	1.033E+03	2.548E+01	0.000E+00
37	3.700E+01	3.210E-03	-4.870E-04	1.060E+03	2.559E+01	0.000E+00
38	3.800E+01	2.754E-03	-4.558E-04	1.086E+03	2.570E+01	0.000E+00
39	3.900E+01	2.330E-03	-4.239E-04	1.112E+03	2.581E+01	0.000E+00
40	4.000E+01	1.939E-03	-3.912E-04	1.139E+03	2.592E+01	0.000E+00
41	4.100E+01	1.581E-03	-3.576E-04	1.165E+03	2.604E+01	0.000E+00
42	4.200E+01	1.258E-03	-3.234E-04	1.192E+03	2.615E+01	0.000E+00
43	4.300E+01	9.698E-04	-2.883E-04	1.218E+03	2.626E+01	0.000E+00
44	4.400E+01	7.173E-04	-2.524E-04	1.245E+03	2.637E+01	0.000E+00
45	4.500E+01	5.016E-04	-2.158E-04	1.272E+03	2.648E+01	0.000E+00
46	4.600E+01	3.232E-04	-1.783E-04	1.299E+03	2.660E+01	0.000E+00
47	4.700E+01	1.831E-04	-1.401E-04	1.326E+03	2.671E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	8.200E-05	-1.011E-04	1.353E+03	2.682E+01	0.000E+00
49	4.900E+01	2.070E-05	-6.130E-05	1.380E+03	2.693E+01	0.000E+00
50	5.000E+01	0.000E+00	-2.070E-05	7.034E+02	-6.763E+02	-2.710E+01
51	5.100E+01	2.070E-05	2.070E-05	0.000E+00	-7.034E+02	0.000E+00

PROB (CONTD)

20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.677E-02		0	3.677E-02		999	0.000E+00		999	0.000E+00		999
0	3.566E-02		0	3.566E-02		999	7.225E+01		999	7.225E+01		999
1	3.454E-02		999	3.454E-02		0	1.675E+02		999	1.675E+02		999
2	3.343E-02		999	3.343E-02		0	1.907E+02		999	1.907E+02		999
3	3.233E-02		0	3.233E-02		999	2.139E+02		999	2.139E+02		999
4	3.123E-02		0	3.123E-02		999	2.373E+02		999	2.373E+02		999
5	3.014E-02		0	3.014E-02		999	2.607E+02		999	2.607E+02		999
6	2.906E-02		999	2.906E-02		0	2.842E+02		999	2.842E+02		999
7	2.799E-02		0	2.799E-02		999	3.079E+02		999	3.079E+02		999
8	2.692E-02		0	2.692E-02		999	3.316E+02		999	3.316E+02		999
9	2.587E-02		999	2.587E-02		0	3.555E+02		999	3.555E+02		999
10	2.482E-02		0	2.482E-02		999	3.794E+02		999	3.794E+02		999
11	2.379E-02		0	2.379E-02		999	4.035E+02		999	4.035E+02		999
12	2.277E-02		0	2.277E-02		999	4.276E+02		999	4.276E+02		999
13	2.176E-02		999	2.176E-02		0	4.519E+02		999	4.519E+02		999
14	2.076E-02		0	2.076E-02		999	4.762E+02		999	4.762E+02		999
15	1.978E-02		0	1.978E-02		999	5.006E+02		999	5.006E+02		999
16	1.881E-02		0	1.881E-02		999	5.251E+02		999	5.251E+02		999
17	1.786E-02		0	1.786E-02		999	5.497E+02		999	5.497E+02		999
18	1.693E-02		999	1.693E-02		0	5.744E+02		999	5.744E+02		999
19	1.601E-02		0	1.601E-02		999	5.992E+02		999	5.992E+02		999
20	1.511E-02		0	1.511E-02		999	6.241E+02		999	6.241E+02		999
21	1.422E-02		999	1.422E-02		0	6.491E+02		999	6.491E+02		999
22	1.336E-02		0	1.336E-02		999	6.741E+02		999	6.741E+02		999
23	1.252E-02		0	1.252E-02		999	6.993E+02		999	6.993E+02		999
24	1.169E-02		999	1.169E-02		0	7.245E+02		999	7.245E+02		999
25	1.089E-02		0	1.089E-02		999	7.498E+02		999	7.498E+02		999
26	1.011E-02		999	1.011E-02		0	7.752E+02		999	7.752E+02		999
27	9.357E-03		999	9.357E-03		0	8.006E+02		999	8.006E+02		999
28	8.624E-03		0	8.624E-03		999	8.262E+02		999	8.262E+02		999
29	7.915E-03		0	7.915E-03		999	8.518E+02		999	8.518E+02		999
30	7.231E-03		999	7.231E-03		0	8.775E+02		999	8.775E+02		999
31	6.573E-03		0	6.573E-03		999	9.033E+02		999	9.033E+02		999
32	5.942E-03		999	5.942E-03		0	9.292E+02		999	9.292E+02		999
33	5.337E-03		0	5.337E-03		999	9.551E+02		999	9.551E+02		999
34	4.761E-03		999	4.761E-03		0	9.811E+02		999	9.811E+02		999
35	4.214E-03		999	4.214E-03		0	1.007E+03		999	1.007E+03		999
36	3.697E-03		999	3.697E-03		0	1.033E+03		999	1.033E+03		999
37	3.210E-03		999	3.210E-03		0	1.060E+03		999	1.060E+03		999
38	2.754E-03		0	2.754E-03		999	1.086E+03		999	1.086E+03		999
39	2.330E-03		999	2.330E-03		0	1.112E+03		999	1.112E+03		999
40	1.939E-03		0	1.939E-03		999	1.139E+03		999	1.139E+03		999
41	1.581E-03		0	1.581E-03		999	1.165E+03		999	1.165E+03		999
42	1.258E-03		999	1.258E-03		0	1.192E+03		999	1.192E+03		999
43	9.698E-04		0	9.698E-04		999	1.218E+03		999	1.218E+03		999
44	7.173E-04		0	7.173E-04		999	1.245E+03		999	1.245E+03		999
45	5.016E-04		0	5.016E-04		999	1.272E+03		999	1.272E+03		999
46	3.232E-04		999	3.232E-04		0	1.299E+03		999	1.299E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	1.831E-04		0	1.831E-04		999	1.326E+03		999	1.326E+03		999
48	8.200E-05		999	8.200E-05		0	1.353E+03		999	1.353E+03		999
49	2.070E-05		999	2.070E-05		0	1.380E+03		999	1.380E+03		999
50	0.000E+00		999	0.000E+00		999	7.034E+02		999	7.034E+02		999
51	2.070E-05		999	2.070E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	7.225E+01 999	7.225E+01 999	0.000E+00 999	0.000E+00 999
0	9.381E+01 999	9.381E+01 999	0.000E+00 999	0.000E+00 999
1	2.167E+01 999	2.167E+01 999	0.000E+00 999	0.000E+00 999
2	2.178E+01 999	2.178E+01 999	0.000E+00 999	0.000E+00 999
3	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
4	2.200E+01 999	2.200E+01 999	0.000E+00 999	0.000E+00 999
5	2.212E+01 999	2.212E+01 999	0.000E+00 999	0.000E+00 999
6	2.223E+01 999	2.223E+01 999	0.000E+00 999	0.000E+00 999
7	2.234E+01 999	2.234E+01 999	0.000E+00 999	0.000E+00 999
8	2.245E+01 999	2.245E+01 999	0.000E+00 999	0.000E+00 999
9	2.256E+01 999	2.256E+01 999	0.000E+00 999	0.000E+00 999
10	2.268E+01 999	2.268E+01 999	0.000E+00 999	0.000E+00 999
11	2.279E+01 999	2.279E+01 999	0.000E+00 999	0.000E+00 999
12	2.290E+01 999	2.290E+01 999	0.000E+00 999	0.000E+00 999
13	2.301E+01 999	2.301E+01 999	0.000E+00 999	0.000E+00 999
14	2.312E+01 999	2.312E+01 999	0.000E+00 999	0.000E+00 999
15	2.324E+01 999	2.324E+01 999	0.000E+00 999	0.000E+00 999
16	2.335E+01 999	2.335E+01 999	0.000E+00 999	0.000E+00 999
17	2.346E+01 999	2.346E+01 999	0.000E+00 999	0.000E+00 999
18	2.357E+01 999	2.357E+01 999	0.000E+00 999	0.000E+00 999
19	2.368E+01 999	2.368E+01 999	0.000E+00 999	0.000E+00 999
20	2.380E+01 999	2.380E+01 999	0.000E+00 999	0.000E+00 999
21	2.391E+01 999	2.391E+01 999	0.000E+00 999	0.000E+00 999
22	2.402E+01 999	2.402E+01 999	0.000E+00 999	0.000E+00 999
23	2.413E+01 999	2.413E+01 999	0.000E+00 999	0.000E+00 999
24	2.424E+01 999	2.424E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.436E+01 999	2.436E+01 999	0.000E+00 999	0.000E+00 999
27	2.447E+01 999	2.447E+01 999	0.000E+00 999	0.000E+00 999
28	2.458E+01 999	2.458E+01 999	0.000E+00 999	0.000E+00 999
29	2.469E+01 999	2.469E+01 999	0.000E+00 999	0.000E+00 999
30	2.480E+01 999	2.480E+01 999	0.000E+00 999	0.000E+00 999
31	2.492E+01 999	2.492E+01 999	0.000E+00 999	0.000E+00 999
32	2.503E+01 999	2.503E+01 999	0.000E+00 999	0.000E+00 999
33	2.514E+01 999	2.514E+01 999	0.000E+00 999	0.000E+00 999
34	2.525E+01 999	2.525E+01 999	0.000E+00 999	0.000E+00 999
35	2.536E+01 999	2.536E+01 999	0.000E+00 999	0.000E+00 999
36	2.548E+01 999	2.548E+01 999	0.000E+00 999	0.000E+00 999
37	2.559E+01 999	2.559E+01 999	0.000E+00 999	0.000E+00 999
38	2.570E+01 999	2.570E+01 999	0.000E+00 999	0.000E+00 999
39	2.581E+01 999	2.581E+01 999	0.000E+00 999	0.000E+00 999
40	2.592E+01 999	2.592E+01 999	0.000E+00 999	0.000E+00 999
41	2.604E+01 999	2.604E+01 999	0.000E+00 999	0.000E+00 999
42	2.615E+01 999	2.615E+01 999	0.000E+00 999	0.000E+00 999
43	2.626E+01 999	2.626E+01 999	0.000E+00 999	0.000E+00 999
44	2.637E+01 999	2.637E+01 999	0.000E+00 999	0.000E+00 999
45	2.648E+01 999	2.648E+01 999	0.000E+00 999	0.000E+00 999
46	2.660E+01 999	2.660E+01 999	0.000E+00 999	0.000E+00 999
47	2.671E+01 999	2.671E+01 999	0.000E+00 999	0.000E+00 999
48	2.682E+01 999	2.682E+01 999	0.000E+00 999	0.000E+00 999
49	2.693E+01 999	2.693E+01 999	0.000E+00 999	0.000E+00 999
50	-6.763E+02 999	-6.763E+02 999	-2.710E+01 999	-2.710E+01 999
51	-7.034E+02 999	-7.034E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

## BMCOL51 Model 1 - Strength V Input File

Any Strength V	Any Load Cases w/ Impact	XXXX ~	XXXX-XX-XXX LRFD Column Design Example, Bent 2	Brg	(ft & kips)			
1	Live Load Case A, Water Case 1,	0	Wind Skew - about x-Axis	1	1	3	0	
64		1.0		0	0	0	1	
64	3	0.0	0.0					
0	0		24.0				862.2	-2428.7
0	50	8.496E+06	0.000					-2428.7
50	64	1.222E+07	0.000					-2428.7
2	Live Load Case A, Water Case 1,	0	Wind Skew - about y-Axis	1	1	2	0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		83.9				1071.9	-2428.7
0	50	3.398E+07	0.064					-2428.7
3	Live Load Case A, Water Case 1,	15	Wind Skew - about x-Axis	1	1	3	0	
64		1.0		0	0	0	1	
64	3	0.0	0.0					
0	0		27.7				895.2	-2428.7
0	50	8.496E+06	0.033					-2428.7
50	64	1.222E+07	0.000					-2428.7
4	Live Load Case A, Water Case 1,	15	Wind Skew - about y-Axis	1	1	2	0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		80.6				1039.2	-2428.7
0	50	3.398E+07	0.062					-2428.7
5	Live Load Case A, Water Case 1,	30	Wind Skew - about x-Axis	1	1	3	0	
64		1.0		0	0	0	1	
64	3	0.0	0.0					
0	0		31.4				928.3	-2428.7
0	50	8.496E+06	0.064					-2428.7
50	64	1.222E+07	0.000					-2428.7
6	Live Load Case A, Water Case 1,	30	Wind Skew - about y-Axis	1	1	2	0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		78.8				1022.8	-2428.7
0	50	3.398E+07	0.055					-2428.7
7	Live Load Case A, Water Case 1,	45	Wind Skew - about x-Axis	1	1	3	0	
64		1.0		0	0	0	1	
64	3	0.0	0.0					
0	0		33.9				950.4	-2428.7
0	50	8.496E+06	0.091					-2428.7
50	64	1.222E+07	0.000					-2428.7
8	Live Load Case A, Water Case 1,	45	Wind Skew - about y-Axis	1	1	2	0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		74.3				979.3	-2428.7
0	50	3.398E+07	0.045					-2428.7
9	Live Load Case A, Water Case 1,	60	Wind Skew - about x-Axis	1	1	3	0	
64		1.0		0	0	0	1	
64	3	0.0	0.0					
0	0		35.8				966.9	-2428.7
0	50	8.496E+06	0.111					-2428.7
50	64	1.222E+07	0.000					-2428.7
10	Live Load Case A, Water Case 1,	60	Wind Skew - about y-Axis	1	1	2	0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		65.2				892.1	-2428.7
0	50	3.398E+07	0.032					-2428.7
11	Live Load Case B, Water Case 1,	0	Wind Skew - about x-Axis					

				1	1	3	0		
	64		1.0		0	0	0	1	
	64	3	0.0	0.0					
	0	0		11.3			445.4	0	-1576.8
	0	50	8.496E+06	0.000					-1576.8
	50	64	1.222E+07	0.000					-1576.8
12	Live Load Case B, Water Case 1,				0 Wind Skew - about y-Axis				
				1	1	2	0		
	50		1.0		0	0	0	1	
	50	3	0.0	0.0					
	0	0		54.5			3935.1	0	-1576.8
	0	50	3.398E+07	0.064					-1576.8
13	Live Load Case B, Water Case 1,				15 Wind Skew - about x-Axis				
				1	1	3	0		
	64		1.0		0	0	0	1	
	64	3	0.0	0.0					
	0	0		15.0			478.5	0	-1576.8
	0	50	8.496E+06	0.033					-1576.8
	50	64	1.222E+07	0.000					-1576.8
14	Live Load Case B, Water Case 1,				15 Wind Skew - about y-Axis				
				1	1	2	0		
	50		1.0		0	0	0	1	
	50	3	0.0	0.0					
	0	0		51.2			3902.5	0	-1576.8
	0	50	3.398E+07	0.062					-1576.8
15	Live Load Case B, Water Case 1,				30 Wind Skew - about x-Axis				
				1	1	3	0		
	64		1.0		0	0	0	1	
	64	3	0.0	0.0					
	0	0		18.7			511.5	0	-1576.8
	0	50	8.496E+06	0.064					-1576.8
	50	64	1.222E+07	0.000					-1576.8
16	Live Load Case B, Water Case 1,				30 Wind Skew - about y-Axis				
				1	1	2	0		
	50		1.0		0	0	0	1	
	50	3	0.0	0.0					
	0	0		49.4			3886.1	0	-1576.8
	0	50	3.398E+07	0.055					-1576.8
17	Live Load Case B, Water Case 1,				45 Wind Skew - about x-Axis				
				1	1	3	0		
	64		1.0		0	0	0	1	
	64	3	0.0	0.0					
	0	0		21.2			533.6	0	-1576.8
	0	50	8.496E+06	0.091					-1576.8
	50	64	1.222E+07	0.000					-1576.8
18	Live Load Case B, Water Case 1,				45 Wind Skew - about y-Axis				
				1	1	2	0		
	50		1.0		0	0	0	1	
	50	3	0.0	0.0					
	0	0		44.9			3842.5	0	-1576.8
	0	50	3.398E+07	0.045					-1576.8
19	Live Load Case B, Water Case 1,				60 Wind Skew - about x-Axis				
				1	1	3	0		
	64		1.0		0	0	0	1	
	64	3	0.0	0.0					
	0	0		23.1			550.2	0	-1576.8
	0	50	8.496E+06	0.111					-1576.8
	50	64	1.222E+07	0.000					-1576.8
20	Live Load Case B, Water Case 1,				60 Wind Skew - about y-Axis				
				1	1	2	0		
	50		1.0		0	0	0	1	
	50	3	0.0	0.0					
	0	0		35.8			3755.4	0	-1576.8
	0	50	3.398E+07	0.032					-1576.8

CEASE

## BMCOL51 Model 1 - Strength V Output File

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
1 Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	2.400E+01	0.000E+00	8.622E+02	0.000E+00	-2.429E+03	
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
1        Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	6.866E-01		0.000E+00		0.000E+00
0	0.000E+00	6.681E-01	-1.842E-02	4.311E+02	4.311E+02	0.000E+00
1	1.000E+00	6.498E-01	-1.832E-02	9.307E+02	4.551E+02	0.000E+00
2	2.000E+00	6.316E-01	-1.821E-02	9.989E+02	2.400E+01	0.000E+00
3	3.000E+00	6.135E-01	-1.810E-02	1.067E+03	2.400E+01	0.000E+00
4	4.000E+00	5.955E-01	-1.797E-02	1.135E+03	2.400E+01	0.000E+00
5	5.000E+00	5.777E-01	-1.784E-02	1.202E+03	2.400E+01	0.000E+00
6	6.000E+00	5.600E-01	-1.770E-02	1.269E+03	2.400E+01	0.000E+00
7	7.000E+00	5.425E-01	-1.755E-02	1.335E+03	2.400E+01	0.000E+00
8	8.000E+00	5.251E-01	-1.739E-02	1.402E+03	2.400E+01	0.000E+00
9	9.000E+00	5.079E-01	-1.722E-02	1.468E+03	2.400E+01	0.000E+00
10	1.000E+01	4.908E-01	-1.705E-02	1.533E+03	2.400E+01	0.000E+00
11	1.100E+01	4.739E-01	-1.687E-02	1.598E+03	2.400E+01	0.000E+00
12	1.200E+01	4.573E-01	-1.668E-02	1.662E+03	2.400E+01	0.000E+00
13	1.300E+01	4.408E-01	-1.649E-02	1.726E+03	2.400E+01	0.000E+00
14	1.400E+01	4.245E-01	-1.628E-02	1.790E+03	2.400E+01	0.000E+00
15	1.500E+01	4.084E-01	-1.607E-02	1.853E+03	2.400E+01	0.000E+00
16	1.600E+01	3.926E-01	-1.585E-02	1.916E+03	2.400E+01	0.000E+00
17	1.700E+01	3.769E-01	-1.563E-02	1.977E+03	2.400E+01	0.000E+00
18	1.800E+01	3.615E-01	-1.540E-02	2.039E+03	2.400E+01	0.000E+00
19	1.900E+01	3.464E-01	-1.516E-02	2.100E+03	2.400E+01	0.000E+00
20	2.000E+01	3.315E-01	-1.491E-02	2.160E+03	2.400E+01	0.000E+00
21	2.100E+01	3.168E-01	-1.466E-02	2.220E+03	2.400E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.024E-01	-1.439E-02	2.278E+03	2.400E+01	0.000E+00
23	2.300E+01	2.883E-01	-1.413E-02	2.337E+03	2.400E+01	0.000E+00
24	2.400E+01	2.744E-01	-1.385E-02	2.394E+03	2.400E+01	0.000E+00
25	2.500E+01	2.609E-01	-1.357E-02	2.451E+03	2.400E+01	0.000E+00
26	2.600E+01	2.476E-01	-1.328E-02	2.508E+03	2.400E+01	0.000E+00
27	2.700E+01	2.346E-01	-1.299E-02	2.563E+03	2.400E+01	0.000E+00
28	2.800E+01	2.219E-01	-1.268E-02	2.618E+03	2.400E+01	0.000E+00
29	2.900E+01	2.095E-01	-1.238E-02	2.672E+03	2.400E+01	0.000E+00
30	3.000E+01	1.975E-01	-1.206E-02	2.725E+03	2.400E+01	0.000E+00
31	3.100E+01	1.857E-01	-1.174E-02	2.778E+03	2.400E+01	0.000E+00
32	3.200E+01	1.743E-01	-1.141E-02	2.830E+03	2.400E+01	0.000E+00
33	3.300E+01	1.632E-01	-1.108E-02	2.880E+03	2.400E+01	0.000E+00
34	3.400E+01	1.525E-01	-1.074E-02	2.931E+03	2.400E+01	0.000E+00
35	3.500E+01	1.421E-01	-1.040E-02	2.980E+03	2.400E+01	0.000E+00
36	3.600E+01	1.321E-01	-1.005E-02	3.028E+03	2.400E+01	0.000E+00
37	3.700E+01	1.224E-01	-9.689E-03	3.076E+03	2.400E+01	0.000E+00
38	3.800E+01	1.130E-01	-9.327E-03	3.122E+03	2.400E+01	0.000E+00
39	3.900E+01	1.041E-01	-8.960E-03	3.168E+03	2.400E+01	0.000E+00
40	4.000E+01	9.550E-02	-8.587E-03	3.213E+03	2.400E+01	0.000E+00
41	4.100E+01	8.729E-02	-8.208E-03	3.257E+03	2.400E+01	0.000E+00
42	4.200E+01	7.947E-02	-7.825E-03	3.300E+03	2.400E+01	0.000E+00
43	4.300E+01	7.203E-02	-7.437E-03	3.342E+03	2.400E+01	0.000E+00
44	4.400E+01	6.499E-02	-7.043E-03	3.383E+03	2.400E+01	0.000E+00
45	4.500E+01	5.834E-02	-6.645E-03	3.423E+03	2.400E+01	0.000E+00
46	4.600E+01	5.210E-02	-6.242E-03	3.462E+03	2.400E+01	0.000E+00
47	4.700E+01	4.627E-02	-5.835E-03	3.501E+03	2.400E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	4.084E-02	-5.423E-03	3.538E+03	2.400E+01	0.000E+00
49	4.900E+01	3.584E-02	-5.006E-03	3.574E+03	2.400E+01	0.000E+00
50	5.000E+01	3.125E-02	-4.586E-03	3.609E+03	2.400E+01	0.000E+00
51	5.100E+01	2.701E-02	-4.237E-03	3.643E+03	2.400E+01	0.000E+00
52	5.200E+01	2.307E-02	-3.939E-03	3.677E+03	2.400E+01	0.000E+00
53	5.300E+01	1.944E-02	-3.638E-03	3.710E+03	2.400E+01	0.000E+00
54	5.400E+01	1.610E-02	-3.335E-03	3.742E+03	2.400E+01	0.000E+00
55	5.500E+01	1.307E-02	-3.028E-03	3.773E+03	2.400E+01	0.000E+00
56	5.600E+01	1.035E-02	-2.720E-03	3.804E+03	2.400E+01	0.000E+00
57	5.700E+01	7.945E-03	-2.408E-03	3.834E+03	2.400E+01	0.000E+00
58	5.800E+01	5.851E-03	-2.095E-03	3.863E+03	2.400E+01	0.000E+00
59	5.900E+01	4.072E-03	-1.779E-03	3.891E+03	2.400E+01	0.000E+00
60	6.000E+01	2.612E-03	-1.460E-03	3.919E+03	2.400E+01	0.000E+00
61	6.100E+01	1.473E-03	-1.139E-03	3.945E+03	2.400E+01	0.000E+00
62	6.200E+01	6.561E-04	-8.166E-04	3.971E+03	2.400E+01	0.000E+00
63	6.300E+01	1.645E-04	-4.916E-04	3.997E+03	2.400E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.645E-04	2.010E+03	-1.986E+03	-2.400E+01
65	6.500E+01	1.645E-04	1.645E-04	0.000E+00	-2.010E+03	0.000E+00

PROB (CONTD)

1 Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	6.866E-01		0	6.866E-01		999	0.000E+00		999	0.000E+00		999
0	6.681E-01		0	6.681E-01		999	4.311E+02		999	4.311E+02		999
1	6.498E-01		999	6.498E-01		0	9.307E+02		999	9.307E+02		999
2	6.316E-01		999	6.316E-01		0	9.989E+02		999	9.989E+02		999
3	6.135E-01		999	6.135E-01		0	1.067E+03		999	1.067E+03		999
4	5.955E-01		999	5.955E-01		0	1.135E+03		999	1.135E+03		999
5	5.777E-01		999	5.777E-01		0	1.202E+03		999	1.202E+03		999
6	5.600E-01		999	5.600E-01		0	1.269E+03		999	1.269E+03		999
7	5.425E-01		999	5.425E-01		0	1.335E+03		999	1.335E+03		999
8	5.251E-01		0	5.251E-01		999	1.402E+03		999	1.402E+03		999
9	5.079E-01		0	5.079E-01		999	1.468E+03		999	1.468E+03		999
10	4.908E-01		0	4.908E-01		999	1.533E+03		999	1.533E+03		999
11	4.739E-01		999	4.739E-01		0	1.598E+03		999	1.598E+03		999
12	4.573E-01		999	4.573E-01		0	1.662E+03		999	1.662E+03		999
13	4.408E-01		999	4.408E-01		0	1.726E+03		999	1.726E+03		999
14	4.245E-01		0	4.245E-01		999	1.790E+03		999	1.790E+03		999
15	4.084E-01		999	4.084E-01		0	1.853E+03		999	1.853E+03		999
16	3.926E-01		0	3.926E-01		999	1.916E+03		999	1.916E+03		999
17	3.769E-01		999	3.769E-01		0	1.977E+03		999	1.977E+03		999
18	3.615E-01		0	3.615E-01		999	2.039E+03		999	2.039E+03		999
19	3.464E-01		0	3.464E-01		999	2.100E+03		999	2.100E+03		999
20	3.315E-01		999	3.315E-01		0	2.160E+03		999	2.160E+03		999
21	3.168E-01		0	3.168E-01		999	2.220E+03		999	2.220E+03		999
22	3.024E-01		999	3.024E-01		0	2.278E+03		999	2.278E+03		999
23	2.883E-01		999	2.883E-01		0	2.337E+03		999	2.337E+03		999
24	2.744E-01		0	2.744E-01		999	2.394E+03		999	2.394E+03		999
25	2.609E-01		0	2.609E-01		999	2.451E+03		999	2.451E+03		999
26	2.476E-01		999	2.476E-01		0	2.508E+03		999	2.508E+03		999
27	2.346E-01		0	2.346E-01		999	2.563E+03		999	2.563E+03		999
28	2.219E-01		999	2.219E-01		0	2.618E+03		999	2.618E+03		999
29	2.095E-01		999	2.095E-01		0	2.672E+03		999	2.672E+03		999
30	1.975E-01		0	1.975E-01		999	2.725E+03		999	2.725E+03		999
31	1.857E-01		999	1.857E-01		0	2.778E+03		999	2.778E+03		999
32	1.743E-01		0	1.743E-01		999	2.830E+03		999	2.830E+03		999
33	1.632E-01		999	1.632E-01		0	2.880E+03		999	2.880E+03		999
34	1.525E-01		999	1.525E-01		0	2.931E+03		999	2.931E+03		999
35	1.421E-01		0	1.421E-01		999	2.980E+03		999	2.980E+03		999
36	1.321E-01		0	1.321E-01		999	3.028E+03		999	3.028E+03		999
37	1.224E-01		0	1.224E-01		999	3.076E+03		999	3.076E+03		999
38	1.130E-01		999	1.130E-01		0	3.122E+03		999	3.122E+03		999
39	1.041E-01		0	1.041E-01		999	3.168E+03		999	3.168E+03		999
40	9.550E-02		0	9.550E-02		999	3.213E+03		999	3.213E+03		999
41	8.729E-02		999	8.729E-02		0	3.257E+03		999	3.257E+03		999
42	7.947E-02		999	7.947E-02		0	3.300E+03		999	3.300E+03		999
43	7.203E-02		0	7.203E-02		999	3.342E+03		999	3.342E+03		999
44	6.499E-02		0	6.499E-02		999	3.383E+03		999	3.383E+03		999
45	5.834E-02		0	5.834E-02		999	3.423E+03		999	3.423E+03		999
46	5.210E-02		0	5.210E-02		999	3.462E+03		999	3.462E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.627E-02	999		4.627E-02	0		3.501E+03	999		3.501E+03	999	
48	4.084E-02	0		4.084E-02	999		3.538E+03	999		3.538E+03	999	
49	3.584E-02	999		3.584E-02	0		3.574E+03	999		3.574E+03	999	
50	3.125E-02	999		3.125E-02	0		3.609E+03	999		3.609E+03	999	
51	2.701E-02	0		2.701E-02	999		3.643E+03	999		3.643E+03	999	
52	2.307E-02	999		2.307E-02	0		3.677E+03	999		3.677E+03	999	
53	1.944E-02	999		1.944E-02	0		3.710E+03	999		3.710E+03	999	
54	1.610E-02	0		1.610E-02	999		3.742E+03	999		3.742E+03	999	
55	1.307E-02	0		1.307E-02	999		3.773E+03	999		3.773E+03	999	
56	1.035E-02	0		1.035E-02	999		3.804E+03	999		3.804E+03	999	
57	7.945E-03	0		7.945E-03	999		3.834E+03	999		3.834E+03	999	
58	5.851E-03	0		5.851E-03	999		3.863E+03	999		3.863E+03	999	
59	4.072E-03	999		4.072E-03	0		3.891E+03	999		3.891E+03	999	
60	2.612E-03	999		2.612E-03	0		3.919E+03	999		3.919E+03	999	
61	1.473E-03	999		1.473E-03	0		3.945E+03	999		3.945E+03	999	
62	6.561E-04	0		6.561E-04	999		3.971E+03	999		3.971E+03	999	
63	1.645E-04	0		1.645E-04	999		3.997E+03	999		3.997E+03	999	
64	0.000E+00	999		0.000E+00	999		2.010E+03	999		2.010E+03	999	
65	1.645E-04	0		1.645E-04	999		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	4.311E+02 999	4.311E+02 999	0.000E+00 999	0.000E+00 999
0	4.551E+02 999	4.551E+02 999	0.000E+00 999	0.000E+00 999
1	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
2	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
3	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
4	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
5	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
6	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
7	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
8	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
9	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
10	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
11	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
12	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
13	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
14	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
15	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
16	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
17	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
18	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
19	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
20	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
21	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
22	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
23	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
24	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
25	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
27	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
28	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
29	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
30	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
31	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
32	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
33	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
34	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
35	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
36	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
37	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
38	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
39	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
40	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
41	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
42	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
43	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
44	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
45	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
46	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
47	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
48	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
49	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
50	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
51	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
53	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
54	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
55	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
56	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
57	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
58	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
59	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
60	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
61	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
62	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
63	2.400E+01 999	2.400E+01 999	0.000E+00 999	0.000E+00 999
64	-1.986E+03 999	-1.986E+03 999	-2.400E+01 999	-2.400E+01 999
65	-2.010E+03 999	-2.010E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	8.390E+01	0.000E+00	1.072E+03	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	6.400E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
2        Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.601E-01		0.000E+00		0.000E+00
0	0.000E+00	1.550E-01	-5.071E-03	5.360E+02	5.360E+02	0.000E+00
1	1.000E+00	1.500E-01	-5.039E-03	1.168E+03	6.199E+02	0.000E+00
2	2.000E+00	1.450E-01	-5.005E-03	1.264E+03	8.400E+01	0.000E+00
3	3.000E+00	1.400E-01	-4.968E-03	1.360E+03	8.406E+01	0.000E+00
4	4.000E+00	1.351E-01	-4.928E-03	1.456E+03	8.412E+01	0.000E+00
5	5.000E+00	1.302E-01	-4.885E-03	1.552E+03	8.419E+01	0.000E+00
6	6.000E+00	1.253E-01	-4.839E-03	1.648E+03	8.425E+01	0.000E+00
7	7.000E+00	1.206E-01	-4.791E-03	1.744E+03	8.432E+01	0.000E+00
8	8.000E+00	1.158E-01	-4.739E-03	1.840E+03	8.438E+01	0.000E+00
9	9.000E+00	1.111E-01	-4.685E-03	1.936E+03	8.444E+01	0.000E+00
10	1.000E+01	1.065E-01	-4.628E-03	2.032E+03	8.451E+01	0.000E+00
11	1.100E+01	1.019E-01	-4.569E-03	2.128E+03	8.457E+01	0.000E+00
12	1.200E+01	9.742E-02	-4.506E-03	2.223E+03	8.464E+01	0.000E+00
13	1.300E+01	9.298E-02	-4.440E-03	2.319E+03	8.470E+01	0.000E+00
14	1.400E+01	8.861E-02	-4.372E-03	2.414E+03	8.476E+01	0.000E+00
15	1.500E+01	8.431E-02	-4.301E-03	2.509E+03	8.483E+01	0.000E+00
16	1.600E+01	8.008E-02	-4.227E-03	2.604E+03	8.489E+01	0.000E+00
17	1.700E+01	7.593E-02	-4.151E-03	2.699E+03	8.496E+01	0.000E+00
18	1.800E+01	7.186E-02	-4.071E-03	2.794E+03	8.502E+01	0.000E+00
19	1.900E+01	6.787E-02	-3.989E-03	2.889E+03	8.508E+01	0.000E+00
20	2.000E+01	6.397E-02	-3.904E-03	2.984E+03	8.515E+01	0.000E+00
21	2.100E+01	6.015E-02	-3.816E-03	3.078E+03	8.521E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.643E-02	-3.726E-03	3.173E+03	8.528E+01	0.000E+00
23	2.300E+01	5.279E-02	-3.632E-03	3.267E+03	8.534E+01	0.000E+00
24	2.400E+01	4.926E-02	-3.536E-03	3.361E+03	8.540E+01	0.000E+00
25	2.500E+01	4.582E-02	-3.437E-03	3.455E+03	8.547E+01	0.000E+00
26	2.600E+01	4.249E-02	-3.336E-03	3.548E+03	8.553E+01	0.000E+00
27	2.700E+01	3.925E-02	-3.231E-03	3.642E+03	8.560E+01	0.000E+00
28	2.800E+01	3.613E-02	-3.124E-03	3.735E+03	8.566E+01	0.000E+00
29	2.900E+01	3.312E-02	-3.014E-03	3.828E+03	8.572E+01	0.000E+00
30	3.000E+01	3.021E-02	-2.901E-03	3.921E+03	8.579E+01	0.000E+00
31	3.100E+01	2.743E-02	-2.786E-03	4.013E+03	8.585E+01	0.000E+00
32	3.200E+01	2.476E-02	-2.668E-03	4.106E+03	8.592E+01	0.000E+00
33	3.300E+01	2.221E-02	-2.547E-03	4.198E+03	8.598E+01	0.000E+00
34	3.400E+01	1.979E-02	-2.424E-03	4.290E+03	8.604E+01	0.000E+00
35	3.500E+01	1.749E-02	-2.297E-03	4.382E+03	8.611E+01	0.000E+00
36	3.600E+01	1.532E-02	-2.168E-03	4.473E+03	8.617E+01	0.000E+00
37	3.700E+01	1.329E-02	-2.037E-03	4.564E+03	8.624E+01	0.000E+00
38	3.800E+01	1.139E-02	-1.902E-03	4.655E+03	8.630E+01	0.000E+00
39	3.900E+01	9.620E-03	-1.765E-03	4.746E+03	8.636E+01	0.000E+00
40	4.000E+01	7.995E-03	-1.626E-03	4.836E+03	8.643E+01	0.000E+00
41	4.100E+01	6.511E-03	-1.483E-03	4.926E+03	8.649E+01	0.000E+00
42	4.200E+01	5.173E-03	-1.338E-03	5.016E+03	8.656E+01	0.000E+00
43	4.300E+01	3.982E-03	-1.191E-03	5.106E+03	8.662E+01	0.000E+00
44	4.400E+01	2.942E-03	-1.041E-03	5.195E+03	8.668E+01	0.000E+00
45	4.500E+01	2.054E-03	-8.877E-04	5.284E+03	8.675E+01	0.000E+00
46	4.600E+01	1.322E-03	-7.322E-04	5.372E+03	8.681E+01	0.000E+00
47	4.700E+01	7.477E-04	-5.741E-04	5.461E+03	8.688E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.343E-04	-4.134E-04	5.548E+03	8.694E+01	0.000E+00
49	4.900E+01	8.422E-05	-2.501E-04	5.636E+03	8.700E+01	0.000E+00
50	5.000E+01	0.000E+00	-8.422E-05	2.862E+03	-2.775E+03	-8.710E+01
51	5.100E+01	8.422E-05	8.422E-05	0.000E+00	-2.862E+03	0.000E+00

PROB (CONTD)

2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.601E-01	999		1.601E-01	0		0.000E+00	999		0.000E+00	999	
0	1.550E-01	0		1.550E-01	999		5.360E+02	999		5.360E+02	999	
1	1.500E-01	999		1.500E-01	0		1.168E+03	999		1.168E+03	999	
2	1.450E-01	0		1.450E-01	999		1.264E+03	999		1.264E+03	999	
3	1.400E-01	0		1.400E-01	999		1.360E+03	999		1.360E+03	999	
4	1.351E-01	0		1.351E-01	999		1.456E+03	999		1.456E+03	999	
5	1.302E-01	999		1.302E-01	0		1.552E+03	999		1.552E+03	999	
6	1.253E-01	999		1.253E-01	0		1.648E+03	999		1.648E+03	999	
7	1.206E-01	999		1.206E-01	0		1.744E+03	999		1.744E+03	999	
8	1.158E-01	0		1.158E-01	999		1.840E+03	999		1.840E+03	999	
9	1.111E-01	0		1.111E-01	999		1.936E+03	999		1.936E+03	999	
10	1.065E-01	0		1.065E-01	999		2.032E+03	999		2.032E+03	999	
11	1.019E-01	999		1.019E-01	0		2.128E+03	999		2.128E+03	999	
12	9.742E-02	999		9.742E-02	0		2.223E+03	999		2.223E+03	999	
13	9.298E-02	999		9.298E-02	0		2.319E+03	999		2.319E+03	999	
14	8.861E-02	0		8.861E-02	999		2.414E+03	999		2.414E+03	999	
15	8.431E-02	0		8.431E-02	999		2.509E+03	999		2.509E+03	999	
16	8.008E-02	999		8.008E-02	0		2.604E+03	999		2.604E+03	999	
17	7.593E-02	0		7.593E-02	999		2.699E+03	999		2.699E+03	999	
18	7.186E-02	999		7.186E-02	0		2.794E+03	999		2.794E+03	999	
19	6.787E-02	999		6.787E-02	0		2.889E+03	999		2.889E+03	999	
20	6.397E-02	999		6.397E-02	0		2.984E+03	999		2.984E+03	999	
21	6.015E-02	0		6.015E-02	999		3.078E+03	999		3.078E+03	999	
22	5.643E-02	999		5.643E-02	0		3.173E+03	999		3.173E+03	999	
23	5.279E-02	0		5.279E-02	999		3.267E+03	999		3.267E+03	999	
24	4.926E-02	999		4.926E-02	0		3.361E+03	999		3.361E+03	999	
25	4.582E-02	999		4.582E-02	0		3.455E+03	999		3.455E+03	999	
26	4.249E-02	0		4.249E-02	999		3.548E+03	999		3.548E+03	999	
27	3.925E-02	999		3.925E-02	0		3.642E+03	999		3.642E+03	999	
28	3.613E-02	999		3.613E-02	0		3.735E+03	999		3.735E+03	999	
29	3.312E-02	999		3.312E-02	0		3.828E+03	999		3.828E+03	999	
30	3.021E-02	999		3.021E-02	0		3.921E+03	999		3.921E+03	999	
31	2.743E-02	0		2.743E-02	999		4.013E+03	999		4.013E+03	999	
32	2.476E-02	0		2.476E-02	999		4.106E+03	999		4.106E+03	999	
33	2.221E-02	999		2.221E-02	0		4.198E+03	999		4.198E+03	999	
34	1.979E-02	999		1.979E-02	0		4.290E+03	999		4.290E+03	999	
35	1.749E-02	999		1.749E-02	0		4.382E+03	999		4.382E+03	999	
36	1.532E-02	0		1.532E-02	999		4.473E+03	999		4.473E+03	999	
37	1.329E-02	0		1.329E-02	999		4.564E+03	999		4.564E+03	999	
38	1.139E-02	999		1.139E-02	0		4.655E+03	999		4.655E+03	999	
39	9.620E-03	999		9.620E-03	0		4.746E+03	999		4.746E+03	999	
40	7.995E-03	999		7.995E-03	0		4.836E+03	999		4.836E+03	999	
41	6.511E-03	0		6.511E-03	999		4.926E+03	999		4.926E+03	999	
42	5.173E-03	0		5.173E-03	999		5.016E+03	999		5.016E+03	999	
43	3.982E-03	999		3.982E-03	0		5.106E+03	999		5.106E+03	999	
44	2.942E-03	999		2.942E-03	0		5.195E+03	999		5.195E+03	999	
45	2.054E-03	999		2.054E-03	0		5.284E+03	999		5.284E+03	999	
46	1.322E-03	0		1.322E-03	999		5.372E+03	999		5.372E+03	999	



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	7.477E-04	999		7.477E-04	0		5.461E+03	999		5.461E+03	999	
48	3.343E-04	999		3.343E-04	0		5.548E+03	999		5.548E+03	999	
49	8.422E-05	0		8.422E-05	999		5.636E+03	999		5.636E+03	999	
50	0.000E+00	999		0.000E+00	999		2.862E+03	999		2.862E+03	999	
51	8.422E-05	0		8.422E-05	999		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.360E+02 999	5.360E+02 999	0.000E+00 999	0.000E+00 999
0	6.199E+02 999	6.199E+02 999	0.000E+00 999	0.000E+00 999
1	8.400E+01 999	8.400E+01 999	0.000E+00 999	0.000E+00 999
2	8.406E+01 999	8.406E+01 999	0.000E+00 999	0.000E+00 999
3	8.412E+01 999	8.412E+01 999	0.000E+00 999	0.000E+00 999
4	8.419E+01 999	8.419E+01 999	0.000E+00 999	0.000E+00 999
5	8.425E+01 999	8.425E+01 999	0.000E+00 999	0.000E+00 999
6	8.432E+01 999	8.432E+01 999	0.000E+00 999	0.000E+00 999
7	8.438E+01 999	8.438E+01 999	0.000E+00 999	0.000E+00 999
8	8.444E+01 999	8.444E+01 999	0.000E+00 999	0.000E+00 999
9	8.451E+01 999	8.451E+01 999	0.000E+00 999	0.000E+00 999
10	8.457E+01 999	8.457E+01 999	0.000E+00 999	0.000E+00 999
11	8.464E+01 999	8.464E+01 999	0.000E+00 999	0.000E+00 999
12	8.470E+01 999	8.470E+01 999	0.000E+00 999	0.000E+00 999
13	8.476E+01 999	8.476E+01 999	0.000E+00 999	0.000E+00 999
14	8.483E+01 999	8.483E+01 999	0.000E+00 999	0.000E+00 999
15	8.489E+01 999	8.489E+01 999	0.000E+00 999	0.000E+00 999
16	8.496E+01 999	8.496E+01 999	0.000E+00 999	0.000E+00 999
17	8.502E+01 999	8.502E+01 999	0.000E+00 999	0.000E+00 999
18	8.508E+01 999	8.508E+01 999	0.000E+00 999	0.000E+00 999
19	8.515E+01 999	8.515E+01 999	0.000E+00 999	0.000E+00 999
20	8.521E+01 999	8.521E+01 999	0.000E+00 999	0.000E+00 999
21	8.528E+01 999	8.528E+01 999	0.000E+00 999	0.000E+00 999
22	8.534E+01 999	8.534E+01 999	0.000E+00 999	0.000E+00 999
23	8.540E+01 999	8.540E+01 999	0.000E+00 999	0.000E+00 999
24	8.547E+01 999	8.547E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	8.553E+01 999	8.553E+01 999	0.000E+00 999	0.000E+00 999
27	8.560E+01 999	8.560E+01 999	0.000E+00 999	0.000E+00 999
28	8.566E+01 999	8.566E+01 999	0.000E+00 999	0.000E+00 999
29	8.572E+01 999	8.572E+01 999	0.000E+00 999	0.000E+00 999
30	8.579E+01 999	8.579E+01 999	0.000E+00 999	0.000E+00 999
31	8.585E+01 999	8.585E+01 999	0.000E+00 999	0.000E+00 999
32	8.592E+01 999	8.592E+01 999	0.000E+00 999	0.000E+00 999
33	8.598E+01 999	8.598E+01 999	0.000E+00 999	0.000E+00 999
34	8.604E+01 999	8.604E+01 999	0.000E+00 999	0.000E+00 999
35	8.611E+01 999	8.611E+01 999	0.000E+00 999	0.000E+00 999
36	8.617E+01 999	8.617E+01 999	0.000E+00 999	0.000E+00 999
37	8.624E+01 999	8.624E+01 999	0.000E+00 999	0.000E+00 999
38	8.630E+01 999	8.630E+01 999	0.000E+00 999	0.000E+00 999
39	8.636E+01 999	8.636E+01 999	0.000E+00 999	0.000E+00 999
40	8.643E+01 999	8.643E+01 999	0.000E+00 999	0.000E+00 999
41	8.649E+01 999	8.649E+01 999	0.000E+00 999	0.000E+00 999
42	8.656E+01 999	8.656E+01 999	0.000E+00 999	0.000E+00 999
43	8.662E+01 999	8.662E+01 999	0.000E+00 999	0.000E+00 999
44	8.668E+01 999	8.668E+01 999	0.000E+00 999	0.000E+00 999
45	8.675E+01 999	8.675E+01 999	0.000E+00 999	0.000E+00 999
46	8.681E+01 999	8.681E+01 999	0.000E+00 999	0.000E+00 999
47	8.688E+01 999	8.688E+01 999	0.000E+00 999	0.000E+00 999
48	8.694E+01 999	8.694E+01 999	0.000E+00 999	0.000E+00 999
49	8.700E+01 999	8.700E+01 999	0.000E+00 999	0.000E+00 999
50	-2.775E+03 999	-2.775E+03 999	-8.710E+01 999	-8.710E+01 999
51	-2.862E+03 999	-2.862E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	2.770E+01	0.000E+00	8.952E+02	0.000E+00	-2.429E+03	
0	50	0	8.496E+06	3.300E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
 Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 3        Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	7.657E-01		0.000E+00		0.000E+00
0	0.000E+00	7.453E-01	-2.040E-02	4.476E+02	4.476E+02	0.000E+00
1	1.000E+00	7.250E-01	-2.030E-02	9.722E+02	4.753E+02	0.000E+00
2	2.000E+00	7.049E-01	-2.018E-02	1.049E+03	2.775E+01	0.000E+00
3	3.000E+00	6.848E-01	-2.006E-02	1.125E+03	2.778E+01	0.000E+00
4	4.000E+00	6.649E-01	-1.993E-02	1.202E+03	2.782E+01	0.000E+00
5	5.000E+00	6.451E-01	-1.979E-02	1.278E+03	2.785E+01	0.000E+00
6	6.000E+00	6.254E-01	-1.964E-02	1.353E+03	2.788E+01	0.000E+00
7	7.000E+00	6.060E-01	-1.948E-02	1.428E+03	2.791E+01	0.000E+00
8	8.000E+00	5.867E-01	-1.931E-02	1.428E+03	2.795E+01	0.000E+00
9	9.000E+00	5.675E-01	-1.913E-02	1.503E+03	2.798E+01	0.000E+00
10	1.000E+01	5.486E-01	-1.895E-02	1.578E+03	2.801E+01	0.000E+00
11	1.100E+01	5.298E-01	-1.875E-02	1.652E+03	2.805E+01	0.000E+00
12	1.200E+01	5.113E-01	-1.855E-02	1.725E+03	2.808E+01	0.000E+00
13	1.300E+01	4.929E-01	-1.834E-02	1.798E+03	2.811E+01	0.000E+00
14	1.400E+01	4.748E-01	-1.812E-02	1.871E+03	2.815E+01	0.000E+00
15	1.500E+01	4.569E-01	-1.789E-02	1.943E+03	2.818E+01	0.000E+00
16	1.600E+01	4.393E-01	-1.765E-02	2.015E+03	2.821E+01	0.000E+00
17	1.700E+01	4.219E-01	-1.741E-02	2.086E+03	2.824E+01	0.000E+00
18	1.800E+01	4.047E-01	-1.715E-02	2.156E+03	2.828E+01	0.000E+00
19	1.900E+01	3.878E-01	-1.689E-02	2.226E+03	2.831E+01	0.000E+00
20	2.000E+01	3.712E-01	-1.662E-02	2.296E+03	2.834E+01	0.000E+00
21	2.100E+01	3.549E-01	-1.634E-02	2.364E+03	2.838E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.388E-01	-1.606E-02	2.500E+03	2.841E+01	0.000E+00
23	2.300E+01	3.231E-01	-1.576E-02	2.567E+03	2.844E+01	0.000E+00
24	2.400E+01	3.076E-01	-1.546E-02	2.633E+03	2.848E+01	0.000E+00
25	2.500E+01	2.925E-01	-1.515E-02	2.698E+03	2.851E+01	0.000E+00
26	2.600E+01	2.776E-01	-1.483E-02	2.763E+03	2.854E+01	0.000E+00
27	2.700E+01	2.631E-01	-1.451E-02	2.826E+03	2.857E+01	0.000E+00
28	2.800E+01	2.489E-01	-1.417E-02	2.889E+03	2.861E+01	0.000E+00
29	2.900E+01	2.351E-01	-1.383E-02	2.952E+03	2.864E+01	0.000E+00
30	3.000E+01	2.216E-01	-1.349E-02	3.013E+03	2.867E+01	0.000E+00
31	3.100E+01	2.085E-01	-1.313E-02	3.074E+03	2.871E+01	0.000E+00
32	3.200E+01	1.957E-01	-1.277E-02	3.133E+03	2.874E+01	0.000E+00
33	3.300E+01	1.833E-01	-1.240E-02	3.192E+03	2.877E+01	0.000E+00
34	3.400E+01	1.713E-01	-1.203E-02	3.250E+03	2.881E+01	0.000E+00
35	3.500E+01	1.596E-01	-1.164E-02	3.307E+03	2.884E+01	0.000E+00
36	3.600E+01	1.484E-01	-1.125E-02	3.364E+03	2.887E+01	0.000E+00
37	3.700E+01	1.375E-01	-1.086E-02	3.419E+03	2.890E+01	0.000E+00
38	3.800E+01	1.271E-01	-1.046E-02	3.473E+03	2.894E+01	0.000E+00
39	3.900E+01	1.170E-01	-1.005E-02	3.527E+03	2.897E+01	0.000E+00
40	4.000E+01	1.074E-01	-9.631E-03	3.579E+03	2.900E+01	0.000E+00
41	4.100E+01	9.820E-02	-9.210E-03	3.630E+03	2.904E+01	0.000E+00
42	4.200E+01	8.941E-02	-8.783E-03	3.681E+03	2.907E+01	0.000E+00
43	4.300E+01	8.106E-02	-8.349E-03	3.730E+03	2.910E+01	0.000E+00
44	4.400E+01	7.315E-02	-7.910E-03	3.778E+03	2.914E+01	0.000E+00
45	4.500E+01	6.569E-02	-7.466E-03	3.826E+03	2.917E+01	0.000E+00
46	4.600E+01	5.867E-02	-7.015E-03	3.872E+03	2.920E+01	0.000E+00
47	4.700E+01	5.211E-02	-6.560E-03	3.917E+03	2.923E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	4.601E-02	-6.098E-03	3.961E+03	2.927E+01	0.000E+00
49	4.900E+01	4.038E-02	-5.632E-03	4.004E+03	2.930E+01	0.000E+00
50	5.000E+01	3.522E-02	-5.161E-03	4.046E+03	2.933E+01	0.000E+00
51	5.100E+01	3.045E-02	-4.770E-03	4.087E+03	2.935E+01	0.000E+00
52	5.200E+01	2.602E-02	-4.436E-03	4.127E+03	2.935E+01	0.000E+00
53	5.300E+01	2.192E-02	-4.098E-03	4.166E+03	2.935E+01	0.000E+00
54	5.400E+01	1.816E-02	-3.757E-03	4.205E+03	2.935E+01	0.000E+00
55	5.500E+01	1.475E-02	-3.413E-03	4.243E+03	2.935E+01	0.000E+00
56	5.600E+01	1.168E-02	-3.066E-03	4.279E+03	2.935E+01	0.000E+00
57	5.700E+01	8.966E-03	-2.716E-03	4.315E+03	2.935E+01	0.000E+00
58	5.800E+01	6.603E-03	-2.362E-03	4.350E+03	2.935E+01	0.000E+00
59	5.900E+01	4.597E-03	-2.006E-03	4.385E+03	2.935E+01	0.000E+00
60	6.000E+01	2.949E-03	-1.648E-03	4.418E+03	2.935E+01	0.000E+00
61	6.100E+01	1.663E-03	-1.286E-03	4.450E+03	2.935E+01	0.000E+00
62	6.200E+01	7.410E-04	-9.219E-04	4.482E+03	2.935E+01	0.000E+00
63	6.300E+01	1.859E-04	-5.552E-04	4.513E+03	2.935E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.859E-04	2.271E+03	-2.242E+03	-2.935E+01
65	6.500E+01	1.859E-04	1.859E-04	0.000E+00	-2.271E+03	0.000E+00

PROB (CONTD)

3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	7.657E-01		0	7.657E-01		999	0.000E+00		999	0.000E+00		999
0	7.453E-01		999	7.453E-01		0	4.476E+02		999	4.476E+02		999
1	7.250E-01		999	7.250E-01		0	9.722E+02		999	9.722E+02		999
2	7.049E-01		999	7.049E-01		0	1.049E+03		999	1.049E+03		999
3	6.848E-01		999	6.848E-01		0	1.125E+03		999	1.125E+03		999
4	6.649E-01		0	6.649E-01		999	1.202E+03		999	1.202E+03		999
5	6.451E-01		0	6.451E-01		999	1.278E+03		999	1.278E+03		999
6	6.254E-01		999	6.254E-01		0	1.353E+03		999	1.353E+03		999
7	6.060E-01		0	6.060E-01		999	1.428E+03		999	1.428E+03		999
8	5.867E-01		0	5.867E-01		999	1.503E+03		999	1.503E+03		999
9	5.675E-01		0	5.675E-01		999	1.578E+03		999	1.578E+03		999
10	5.486E-01		0	5.486E-01		999	1.652E+03		999	1.652E+03		999
11	5.298E-01		0	5.298E-01		999	1.725E+03		999	1.725E+03		999
12	5.113E-01		0	5.113E-01		999	1.798E+03		999	1.798E+03		999
13	4.929E-01		0	4.929E-01		999	1.871E+03		999	1.871E+03		999
14	4.748E-01		999	4.748E-01		0	1.943E+03		999	1.943E+03		999
15	4.569E-01		0	4.569E-01		999	2.015E+03		999	2.015E+03		999
16	4.393E-01		999	4.393E-01		0	2.086E+03		999	2.086E+03		999
17	4.219E-01		0	4.219E-01		999	2.156E+03		999	2.156E+03		999
18	4.047E-01		0	4.047E-01		999	2.226E+03		999	2.226E+03		999
19	3.878E-01		0	3.878E-01		999	2.296E+03		999	2.296E+03		999
20	3.712E-01		0	3.712E-01		999	2.364E+03		999	2.364E+03		999
21	3.549E-01		0	3.549E-01		999	2.433E+03		999	2.433E+03		999
22	3.388E-01		999	3.388E-01		0	2.500E+03		999	2.500E+03		999
23	3.231E-01		0	3.231E-01		999	2.567E+03		999	2.567E+03		999
24	3.076E-01		0	3.076E-01		999	2.633E+03		999	2.633E+03		999
25	2.925E-01		0	2.925E-01		999	2.698E+03		999	2.698E+03		999
26	2.776E-01		0	2.776E-01		999	2.763E+03		999	2.763E+03		999
27	2.631E-01		0	2.631E-01		999	2.826E+03		999	2.826E+03		999
28	2.489E-01		999	2.489E-01		0	2.889E+03		999	2.889E+03		999
29	2.351E-01		999	2.351E-01		0	2.952E+03		999	2.952E+03		999
30	2.216E-01		0	2.216E-01		999	3.013E+03		999	3.013E+03		999
31	2.085E-01		999	2.085E-01		0	3.074E+03		999	3.074E+03		999
32	1.957E-01		0	1.957E-01		999	3.133E+03		999	3.133E+03		999
33	1.833E-01		0	1.833E-01		999	3.192E+03		999	3.192E+03		999
34	1.713E-01		0	1.713E-01		999	3.250E+03		999	3.250E+03		999
35	1.596E-01		0	1.596E-01		999	3.307E+03		999	3.307E+03		999
36	1.484E-01		999	1.484E-01		0	3.364E+03		999	3.364E+03		999
37	1.375E-01		0	1.375E-01		999	3.419E+03		999	3.419E+03		999
38	1.271E-01		0	1.271E-01		999	3.473E+03		999	3.473E+03		999
39	1.170E-01		0	1.170E-01		999	3.527E+03		999	3.527E+03		999
40	1.074E-01		999	1.074E-01		0	3.579E+03		999	3.579E+03		999
41	9.820E-02		999	9.820E-02		0	3.630E+03		999	3.630E+03		999
42	8.941E-02		0	8.941E-02		999	3.681E+03		999	3.681E+03		999
43	8.106E-02		999	8.106E-02		0	3.730E+03		999	3.730E+03		999
44	7.315E-02		0	7.315E-02		999	3.778E+03		999	3.778E+03		999
45	6.569E-02		0	6.569E-02		999	3.826E+03		999	3.826E+03		999
46	5.867E-02		999	5.867E-02		0	3.872E+03		999	3.872E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	5.211E-02		0	5.211E-02		999	3.917E+03		999	3.917E+03		999
48	4.601E-02		0	4.601E-02		999	3.961E+03		999	3.961E+03		999
49	4.038E-02		999	4.038E-02		0	4.004E+03		999	4.004E+03		999
50	3.522E-02		0	3.522E-02		999	4.046E+03		999	4.046E+03		999
51	3.045E-02		0	3.045E-02		999	4.087E+03		999	4.087E+03		999
52	2.602E-02		999	2.602E-02		0	4.127E+03		999	4.127E+03		999
53	2.192E-02		0	2.192E-02		999	4.166E+03		999	4.166E+03		999
54	1.816E-02		999	1.816E-02		0	4.205E+03		999	4.205E+03		999
55	1.475E-02		999	1.475E-02		0	4.243E+03		999	4.243E+03		999
56	1.168E-02		0	1.168E-02		999	4.279E+03		999	4.279E+03		999
57	8.966E-03		999	8.966E-03		0	4.315E+03		999	4.315E+03		999
58	6.603E-03		999	6.603E-03		0	4.350E+03		999	4.350E+03		999
59	4.597E-03		999	4.597E-03		0	4.385E+03		999	4.385E+03		999
60	2.949E-03		999	2.949E-03		0	4.418E+03		999	4.418E+03		999
61	1.663E-03		0	1.663E-03		999	4.450E+03		999	4.450E+03		999
62	7.410E-04		999	7.410E-04		0	4.482E+03		999	4.482E+03		999
63	1.859E-04		999	1.859E-04		0	4.513E+03		999	4.513E+03		999
64	0.000E+00		999	0.000E+00		999	2.271E+03		999	2.271E+03		999
65	1.859E-04		999	1.859E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	4.476E+02 999	4.476E+02 999	0.000E+00 999	0.000E+00 999
0	4.753E+02 999	4.753E+02 999	0.000E+00 999	0.000E+00 999
1	2.775E+01 999	2.775E+01 999	0.000E+00 999	0.000E+00 999
2	2.778E+01 999	2.778E+01 999	0.000E+00 999	0.000E+00 999
3	2.782E+01 999	2.782E+01 999	0.000E+00 999	0.000E+00 999
4	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
5	2.788E+01 999	2.788E+01 999	0.000E+00 999	0.000E+00 999
6	2.791E+01 999	2.791E+01 999	0.000E+00 999	0.000E+00 999
7	2.795E+01 999	2.795E+01 999	0.000E+00 999	0.000E+00 999
8	2.798E+01 999	2.798E+01 999	0.000E+00 999	0.000E+00 999
9	2.801E+01 999	2.801E+01 999	0.000E+00 999	0.000E+00 999
10	2.805E+01 999	2.805E+01 999	0.000E+00 999	0.000E+00 999
11	2.808E+01 999	2.808E+01 999	0.000E+00 999	0.000E+00 999
12	2.811E+01 999	2.811E+01 999	0.000E+00 999	0.000E+00 999
13	2.815E+01 999	2.815E+01 999	0.000E+00 999	0.000E+00 999
14	2.818E+01 999	2.818E+01 999	0.000E+00 999	0.000E+00 999
15	2.821E+01 999	2.821E+01 999	0.000E+00 999	0.000E+00 999
16	2.824E+01 999	2.824E+01 999	0.000E+00 999	0.000E+00 999
17	2.828E+01 999	2.828E+01 999	0.000E+00 999	0.000E+00 999
18	2.831E+01 999	2.831E+01 999	0.000E+00 999	0.000E+00 999
19	2.834E+01 999	2.834E+01 999	0.000E+00 999	0.000E+00 999
20	2.838E+01 999	2.838E+01 999	0.000E+00 999	0.000E+00 999
21	2.841E+01 999	2.841E+01 999	0.000E+00 999	0.000E+00 999
22	2.844E+01 999	2.844E+01 999	0.000E+00 999	0.000E+00 999
23	2.848E+01 999	2.848E+01 999	0.000E+00 999	0.000E+00 999
24	2.851E+01 999	2.851E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.854E+01 999	2.854E+01 999	0.000E+00 999	0.000E+00 999
27	2.857E+01 999	2.857E+01 999	0.000E+00 999	0.000E+00 999
28	2.861E+01 999	2.861E+01 999	0.000E+00 999	0.000E+00 999
29	2.864E+01 999	2.864E+01 999	0.000E+00 999	0.000E+00 999
30	2.867E+01 999	2.867E+01 999	0.000E+00 999	0.000E+00 999
31	2.871E+01 999	2.871E+01 999	0.000E+00 999	0.000E+00 999
32	2.874E+01 999	2.874E+01 999	0.000E+00 999	0.000E+00 999
33	2.877E+01 999	2.877E+01 999	0.000E+00 999	0.000E+00 999
34	2.881E+01 999	2.881E+01 999	0.000E+00 999	0.000E+00 999
35	2.884E+01 999	2.884E+01 999	0.000E+00 999	0.000E+00 999
36	2.887E+01 999	2.887E+01 999	0.000E+00 999	0.000E+00 999
37	2.890E+01 999	2.890E+01 999	0.000E+00 999	0.000E+00 999
38	2.894E+01 999	2.894E+01 999	0.000E+00 999	0.000E+00 999
39	2.897E+01 999	2.897E+01 999	0.000E+00 999	0.000E+00 999
40	2.900E+01 999	2.900E+01 999	0.000E+00 999	0.000E+00 999
41	2.904E+01 999	2.904E+01 999	0.000E+00 999	0.000E+00 999
42	2.907E+01 999	2.907E+01 999	0.000E+00 999	0.000E+00 999
43	2.910E+01 999	2.910E+01 999	0.000E+00 999	0.000E+00 999
44	2.914E+01 999	2.914E+01 999	0.000E+00 999	0.000E+00 999
45	2.917E+01 999	2.917E+01 999	0.000E+00 999	0.000E+00 999
46	2.920E+01 999	2.920E+01 999	0.000E+00 999	0.000E+00 999
47	2.923E+01 999	2.923E+01 999	0.000E+00 999	0.000E+00 999
48	2.927E+01 999	2.927E+01 999	0.000E+00 999	0.000E+00 999
49	2.930E+01 999	2.930E+01 999	0.000E+00 999	0.000E+00 999
50	2.933E+01 999	2.933E+01 999	0.000E+00 999	0.000E+00 999
51	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
53	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
54	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
55	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
56	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
57	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
58	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
59	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
60	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
61	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
62	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
63	2.935E+01 999	2.935E+01 999	0.000E+00 999	0.000E+00 999
64	-2.242E+03 999	-2.242E+03 999	-2.935E+01 999	-2.935E+01 999
65	-2.271E+03 999	-2.271E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	8.060E+01	0.000E+00	1.039E+03	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	6.200E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
4                    Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.542E-01		0.000E+00		0.000E+00
0	0.000E+00	1.493E-01	-4.887E-03	5.196E+02	5.196E+02	0.000E+00
1	1.000E+00	1.444E-01	-4.856E-03	1.132E+03	6.002E+02	0.000E+00
2	2.000E+00	1.396E-01	-4.823E-03	1.224E+03	8.069E+01	0.000E+00
3	3.000E+00	1.348E-01	-4.787E-03	1.224E+03	8.075E+01	0.000E+00
4	4.000E+00	1.301E-01	-4.748E-03	1.316E+03	8.082E+01	0.000E+00
5	4.000E+00	1.301E-01	-4.707E-03	1.409E+03	8.088E+01	0.000E+00
5	5.000E+00	1.254E-01	-4.663E-03	1.501E+03	8.094E+01	0.000E+00
6	6.000E+00	1.207E-01	-4.616E-03	1.593E+03	8.100E+01	0.000E+00
7	7.000E+00	1.161E-01	-4.566E-03	1.686E+03	8.106E+01	0.000E+00
8	8.000E+00	1.115E-01	-4.514E-03	1.778E+03	8.113E+01	0.000E+00
9	9.000E+00	1.070E-01	-4.459E-03	1.870E+03	8.119E+01	0.000E+00
10	1.000E+01	1.026E-01	-4.401E-03	1.962E+03	8.125E+01	0.000E+00
11	1.100E+01	9.816E-02	-4.341E-03	2.054E+03	8.131E+01	0.000E+00
12	1.200E+01	9.382E-02	-4.277E-03	2.146E+03	8.138E+01	0.000E+00
13	1.300E+01	8.954E-02	-4.212E-03	2.237E+03	8.144E+01	0.000E+00
14	1.400E+01	8.533E-02	-4.143E-03	2.329E+03	8.150E+01	0.000E+00
15	1.500E+01	8.119E-02	-4.072E-03	2.421E+03	8.156E+01	0.000E+00
16	1.600E+01	7.712E-02	-3.998E-03	2.512E+03	8.162E+01	0.000E+00
17	1.700E+01	7.312E-02	-3.921E-03	2.603E+03	8.168E+01	0.000E+00
18	1.800E+01	6.920E-02	-3.842E-03	2.695E+03	8.175E+01	0.000E+00
19	1.900E+01	6.535E-02	-3.760E-03	2.786E+03	8.181E+01	0.000E+00
20	2.000E+01	6.159E-02	-3.675E-03	2.877E+03	8.187E+01	0.000E+00
21	2.100E+01	5.792E-02		2.967E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.433E-02	-3.588E-03	3.058E+03	8.193E+01	0.000E+00
23	2.300E+01	5.083E-02	-3.498E-03	3.149E+03	8.200E+01	0.000E+00
24	2.400E+01	4.743E-02	-3.405E-03	3.239E+03	8.206E+01	0.000E+00
25	2.500E+01	4.412E-02	-3.310E-03	3.329E+03	8.212E+01	0.000E+00
26	2.600E+01	4.091E-02	-3.212E-03	3.419E+03	8.218E+01	0.000E+00
27	2.700E+01	3.779E-02	-3.111E-03	3.509E+03	8.224E+01	0.000E+00
28	2.800E+01	3.479E-02	-3.008E-03	3.598E+03	8.231E+01	0.000E+00
29	2.900E+01	3.188E-02	-2.902E-03	3.688E+03	8.237E+01	0.000E+00
30	3.000E+01	2.909E-02	-2.794E-03	3.777E+03	8.243E+01	0.000E+00
31	3.100E+01	2.641E-02	-2.683E-03	3.866E+03	8.249E+01	0.000E+00
32	3.200E+01	2.384E-02	-2.569E-03	3.955E+03	8.255E+01	0.000E+00
33	3.300E+01	2.139E-02	-2.452E-03	4.043E+03	8.261E+01	0.000E+00
34	3.400E+01	1.905E-02	-2.333E-03	4.132E+03	8.268E+01	0.000E+00
35	3.500E+01	1.684E-02	-2.212E-03	4.220E+03	8.274E+01	0.000E+00
36	3.600E+01	1.475E-02	-2.088E-03	4.308E+03	8.280E+01	0.000E+00
37	3.700E+01	1.279E-02	-1.961E-03	4.395E+03	8.286E+01	0.000E+00
38	3.800E+01	1.096E-02	-1.832E-03	4.483E+03	8.293E+01	0.000E+00
39	3.900E+01	9.262E-03	-1.700E-03	4.570E+03	8.299E+01	0.000E+00
40	4.000E+01	7.696E-03	-1.565E-03	4.657E+03	8.305E+01	0.000E+00
41	4.100E+01	6.268E-03	-1.428E-03	4.743E+03	8.311E+01	0.000E+00
42	4.200E+01	4.980E-03	-1.289E-03	4.830E+03	8.317E+01	0.000E+00
43	4.300E+01	3.833E-03	-1.146E-03	4.916E+03	8.323E+01	0.000E+00
44	4.400E+01	2.832E-03	-1.002E-03	5.001E+03	8.330E+01	0.000E+00
45	4.500E+01	1.977E-03	-8.545E-04	5.087E+03	8.336E+01	0.000E+00
46	4.600E+01	1.272E-03	-7.048E-04	5.172E+03	8.342E+01	0.000E+00
47	4.700E+01	7.197E-04	-5.526E-04	5.257E+03	8.348E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.218E-04	-3.979E-04	5.341E+03	8.354E+01	0.000E+00
49	4.900E+01	8.107E-05	-2.407E-04	5.425E+03	8.361E+01	0.000E+00
50	5.000E+01	0.000E+00	-8.107E-05	2.755E+03	-2.671E+03	-8.370E+01
51	5.100E+01	8.107E-05	8.107E-05	0.000E+00	-2.755E+03	0.000E+00

PROB (CONTD)

4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.542E-01		0	1.542E-01		999	0.000E+00		999	0.000E+00		999
0	1.493E-01		999	1.493E-01		0	5.196E+02		999	5.196E+02		999
1	1.444E-01		0	1.444E-01		999	1.132E+03		999	1.132E+03		999
2	1.396E-01		0	1.396E-01		999	1.224E+03		999	1.224E+03		999
3	1.348E-01		0	1.348E-01		999	1.316E+03		999	1.316E+03		999
4	1.301E-01		999	1.301E-01		0	1.409E+03		999	1.409E+03		999
5	1.254E-01		0	1.254E-01		999	1.501E+03		999	1.501E+03		999
6	1.207E-01		999	1.207E-01		0	1.593E+03		999	1.593E+03		999
7	1.161E-01		0	1.161E-01		999	1.686E+03		999	1.686E+03		999
8	1.115E-01		999	1.115E-01		0	1.778E+03		999	1.778E+03		999
9	1.070E-01		0	1.070E-01		999	1.870E+03		999	1.870E+03		999
10	1.026E-01		0	1.026E-01		999	1.962E+03		999	1.962E+03		999
11	9.816E-02		0	9.816E-02		999	2.054E+03		999	2.054E+03		999
12	9.382E-02		0	9.382E-02		999	2.146E+03		999	2.146E+03		999
13	8.954E-02		0	8.954E-02		999	2.237E+03		999	2.237E+03		999
14	8.533E-02		0	8.533E-02		999	2.329E+03		999	2.329E+03		999
15	8.119E-02		0	8.119E-02		999	2.421E+03		999	2.421E+03		999
16	7.712E-02		0	7.712E-02		999	2.512E+03		999	2.512E+03		999
17	7.312E-02		0	7.312E-02		999	2.603E+03		999	2.603E+03		999
18	6.920E-02		999	6.920E-02		0	2.695E+03		999	2.695E+03		999
19	6.535E-02		999	6.535E-02		0	2.786E+03		999	2.786E+03		999
20	6.159E-02		999	6.159E-02		0	2.877E+03		999	2.877E+03		999
21	5.792E-02		0	5.792E-02		999	2.967E+03		999	2.967E+03		999
22	5.433E-02		999	5.433E-02		0	3.058E+03		999	3.058E+03		999
23	5.083E-02		999	5.083E-02		0	3.149E+03		999	3.149E+03		999
24	4.743E-02		0	4.743E-02		999	3.239E+03		999	3.239E+03		999
25	4.412E-02		999	4.412E-02		0	3.329E+03		999	3.329E+03		999
26	4.091E-02		0	4.091E-02		999	3.419E+03		999	3.419E+03		999
27	3.779E-02		0	3.779E-02		999	3.509E+03		999	3.509E+03		999
28	3.479E-02		0	3.479E-02		999	3.598E+03		999	3.598E+03		999
29	3.188E-02		999	3.188E-02		0	3.688E+03		999	3.688E+03		999
30	2.909E-02		999	2.909E-02		0	3.777E+03		999	3.777E+03		999
31	2.641E-02		0	2.641E-02		999	3.866E+03		999	3.866E+03		999
32	2.384E-02		999	2.384E-02		0	3.955E+03		999	3.955E+03		999
33	2.139E-02		999	2.139E-02		0	4.043E+03		999	4.043E+03		999
34	1.905E-02		0	1.905E-02		999	4.132E+03		999	4.132E+03		999
35	1.684E-02		0	1.684E-02		999	4.220E+03		999	4.220E+03		999
36	1.475E-02		999	1.475E-02		0	4.308E+03		999	4.308E+03		999
37	1.279E-02		0	1.279E-02		999	4.395E+03		999	4.395E+03		999
38	1.096E-02		999	1.096E-02		0	4.483E+03		999	4.483E+03		999
39	9.262E-03		0	9.262E-03		999	4.570E+03		999	4.570E+03		999
40	7.696E-03		999	7.696E-03		0	4.657E+03		999	4.657E+03		999
41	6.268E-03		0	6.268E-03		999	4.743E+03		999	4.743E+03		999
42	4.980E-03		999	4.980E-03		0	4.830E+03		999	4.830E+03		999
43	3.833E-03		999	3.833E-03		0	4.916E+03		999	4.916E+03		999
44	2.832E-03		0	2.832E-03		999	5.001E+03		999	5.001E+03		999
45	1.977E-03		999	1.977E-03		0	5.087E+03		999	5.087E+03		999
46	1.272E-03		0	1.272E-03		999	5.172E+03		999	5.172E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	7.197E-04		0	7.197E-04		999	5.257E+03		999	5.257E+03		999
48	3.218E-04		0	3.218E-04		999	5.341E+03		999	5.341E+03		999
49	8.107E-05		0	8.107E-05		999	5.425E+03		999	5.425E+03		999
50	0.000E+00		999	0.000E+00		999	2.755E+03		999	2.755E+03		999
51	8.107E-05		0	8.107E-05		999	0.000E+00		999	0.000E+00		999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.196E+02 999	5.196E+02 999	0.000E+00 999	0.000E+00 999
0	6.002E+02 999	6.002E+02 999	0.000E+00 999	0.000E+00 999
1	8.069E+01 999	8.069E+01 999	0.000E+00 999	0.000E+00 999
2	8.075E+01 999	8.075E+01 999	0.000E+00 999	0.000E+00 999
3	8.082E+01 999	8.082E+01 999	0.000E+00 999	0.000E+00 999
4	8.088E+01 999	8.088E+01 999	0.000E+00 999	0.000E+00 999
5	8.094E+01 999	8.094E+01 999	0.000E+00 999	0.000E+00 999
6	8.100E+01 999	8.100E+01 999	0.000E+00 999	0.000E+00 999
7	8.106E+01 999	8.106E+01 999	0.000E+00 999	0.000E+00 999
8	8.113E+01 999	8.113E+01 999	0.000E+00 999	0.000E+00 999
9	8.119E+01 999	8.119E+01 999	0.000E+00 999	0.000E+00 999
10	8.125E+01 999	8.125E+01 999	0.000E+00 999	0.000E+00 999
11	8.131E+01 999	8.131E+01 999	0.000E+00 999	0.000E+00 999
12	8.138E+01 999	8.138E+01 999	0.000E+00 999	0.000E+00 999
13	8.144E+01 999	8.144E+01 999	0.000E+00 999	0.000E+00 999
14	8.150E+01 999	8.150E+01 999	0.000E+00 999	0.000E+00 999
15	8.156E+01 999	8.156E+01 999	0.000E+00 999	0.000E+00 999
16	8.162E+01 999	8.162E+01 999	0.000E+00 999	0.000E+00 999
17	8.168E+01 999	8.168E+01 999	0.000E+00 999	0.000E+00 999
18	8.175E+01 999	8.175E+01 999	0.000E+00 999	0.000E+00 999
19	8.181E+01 999	8.181E+01 999	0.000E+00 999	0.000E+00 999
20	8.187E+01 999	8.187E+01 999	0.000E+00 999	0.000E+00 999
21	8.193E+01 999	8.193E+01 999	0.000E+00 999	0.000E+00 999
22	8.200E+01 999	8.200E+01 999	0.000E+00 999	0.000E+00 999
23	8.206E+01 999	8.206E+01 999	0.000E+00 999	0.000E+00 999
24	8.212E+01 999	8.212E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	8.218E+01 999	8.218E+01 999	0.000E+00 999	0.000E+00 999
27	8.224E+01 999	8.224E+01 999	0.000E+00 999	0.000E+00 999
28	8.231E+01 999	8.231E+01 999	0.000E+00 999	0.000E+00 999
29	8.237E+01 999	8.237E+01 999	0.000E+00 999	0.000E+00 999
30	8.243E+01 999	8.243E+01 999	0.000E+00 999	0.000E+00 999
31	8.249E+01 999	8.249E+01 999	0.000E+00 999	0.000E+00 999
32	8.255E+01 999	8.255E+01 999	0.000E+00 999	0.000E+00 999
33	8.261E+01 999	8.261E+01 999	0.000E+00 999	0.000E+00 999
34	8.268E+01 999	8.268E+01 999	0.000E+00 999	0.000E+00 999
35	8.274E+01 999	8.274E+01 999	0.000E+00 999	0.000E+00 999
36	8.280E+01 999	8.280E+01 999	0.000E+00 999	0.000E+00 999
37	8.286E+01 999	8.286E+01 999	0.000E+00 999	0.000E+00 999
38	8.293E+01 999	8.293E+01 999	0.000E+00 999	0.000E+00 999
39	8.299E+01 999	8.299E+01 999	0.000E+00 999	0.000E+00 999
40	8.305E+01 999	8.305E+01 999	0.000E+00 999	0.000E+00 999
41	8.311E+01 999	8.311E+01 999	0.000E+00 999	0.000E+00 999
42	8.317E+01 999	8.317E+01 999	0.000E+00 999	0.000E+00 999
43	8.323E+01 999	8.323E+01 999	0.000E+00 999	0.000E+00 999
44	8.330E+01 999	8.330E+01 999	0.000E+00 999	0.000E+00 999
45	8.336E+01 999	8.336E+01 999	0.000E+00 999	0.000E+00 999
46	8.342E+01 999	8.342E+01 999	0.000E+00 999	0.000E+00 999
47	8.348E+01 999	8.348E+01 999	0.000E+00 999	0.000E+00 999
48	8.354E+01 999	8.354E+01 999	0.000E+00 999	0.000E+00 999
49	8.361E+01 999	8.361E+01 999	0.000E+00 999	0.000E+00 999
50	-2.671E+03 999	-2.671E+03 999	-8.370E+01 999	-8.370E+01 999
51	-2.755E+03 999	-2.755E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	3.140E+01	0.000E+00	9.283E+02	0.000E+00	-2.429E+03	
0	50	0	8.496E+06	6.400E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 5        Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	8.443E-01		0.000E+00		0.000E+00
0	0.000E+00	8.219E-01	-2.237E-02	4.641E+02	4.641E+02	0.000E+00
1	1.000E+00	7.997E-01	-2.226E-02	1.014E+03	4.956E+02	0.000E+00
2	2.000E+00	7.775E-01	-2.214E-02	1.099E+03	3.150E+01	0.000E+00
3	3.000E+00	7.775E-01	-2.201E-02	1.099E+03	3.156E+01	0.000E+00
4	4.000E+00	7.555E-01	-2.187E-02	1.184E+03	3.162E+01	0.000E+00
5	5.000E+00	7.336E-01	-2.172E-02	1.269E+03	3.169E+01	0.000E+00
6	6.000E+00	7.119E-01	-2.156E-02	1.353E+03	3.175E+01	0.000E+00
7	6.000E+00	6.903E-01	-2.139E-02	1.437E+03	3.182E+01	0.000E+00
8	7.000E+00	6.689E-01	-2.122E-02	1.521E+03	3.188E+01	0.000E+00
9	8.000E+00	6.477E-01	-2.103E-02	1.605E+03	3.188E+01	0.000E+00
10	9.000E+00	6.267E-01	-2.103E-02	1.688E+03	3.194E+01	0.000E+00
11	1.000E+01	6.059E-01	-2.083E-02	1.770E+03	3.201E+01	0.000E+00
12	1.100E+01	6.059E-01	-2.062E-02	1.852E+03	3.207E+01	0.000E+00
13	1.100E+01	5.853E-01	-2.040E-02	1.852E+03	3.214E+01	0.000E+00
14	1.200E+01	5.649E-01	-2.017E-02	1.934E+03	3.220E+01	0.000E+00
15	1.300E+01	5.447E-01	-2.017E-02	2.015E+03	3.226E+01	0.000E+00
16	1.300E+01	5.447E-01	-1.994E-02	2.015E+03	3.226E+01	0.000E+00
17	1.400E+01	5.247E-01	-1.969E-02	2.096E+03	3.233E+01	0.000E+00
18	1.400E+01	5.247E-01	-1.969E-02	2.096E+03	3.233E+01	0.000E+00
19	1.500E+01	5.051E-01	-1.943E-02	2.176E+03	3.239E+01	0.000E+00
20	1.600E+01	4.856E-01	-1.943E-02	2.256E+03	3.239E+01	0.000E+00
21	1.600E+01	4.856E-01	-1.917E-02	2.256E+03	3.246E+01	0.000E+00
22	1.700E+01	4.664E-01	-1.917E-02	2.335E+03	3.246E+01	0.000E+00
23	1.700E+01	4.664E-01	-1.889E-02	2.335E+03	3.252E+01	0.000E+00
24	1.800E+01	4.476E-01	-1.889E-02	2.413E+03	3.252E+01	0.000E+00
25	1.800E+01	4.476E-01	-1.861E-02	2.413E+03	3.258E+01	0.000E+00
26	1.900E+01	4.289E-01	-1.861E-02	2.491E+03	3.258E+01	0.000E+00
27	1.900E+01	4.289E-01	-1.832E-02	2.491E+03	3.265E+01	0.000E+00
28	2.000E+01	4.106E-01	-1.832E-02	2.568E+03	3.265E+01	0.000E+00
29	2.000E+01	4.106E-01	-1.801E-02	2.568E+03	3.271E+01	0.000E+00
30	2.100E+01	3.926E-01	-1.801E-02	2.644E+03	3.271E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.749E-01	-1.770E-02	2.720E+03	3.278E+01	0.000E+00
23	2.300E+01	3.575E-01	-1.738E-02	2.795E+03	3.284E+01	0.000E+00
24	2.400E+01	3.405E-01	-1.705E-02	2.870E+03	3.290E+01	0.000E+00
25	2.500E+01	3.238E-01	-1.672E-02	2.943E+03	3.297E+01	0.000E+00
26	2.600E+01	3.074E-01	-1.637E-02	3.016E+03	3.303E+01	0.000E+00
27	2.700E+01	2.914E-01	-1.601E-02	3.088E+03	3.310E+01	0.000E+00
28	2.800E+01	2.757E-01	-1.565E-02	3.159E+03	3.316E+01	0.000E+00
29	2.900E+01	2.604E-01	-1.528E-02	3.229E+03	3.322E+01	0.000E+00
30	3.000E+01	2.455E-01	-1.490E-02	3.299E+03	3.329E+01	0.000E+00
31	3.100E+01	2.310E-01	-1.451E-02	3.368E+03	3.335E+01	0.000E+00
32	3.200E+01	2.169E-01	-1.411E-02	3.435E+03	3.342E+01	0.000E+00
33	3.300E+01	2.032E-01	-1.371E-02	3.502E+03	3.348E+01	0.000E+00
34	3.400E+01	1.899E-01	-1.330E-02	3.568E+03	3.354E+01	0.000E+00
35	3.500E+01	1.770E-01	-1.288E-02	3.633E+03	3.361E+01	0.000E+00
36	3.600E+01	1.646E-01	-1.245E-02	3.697E+03	3.367E+01	0.000E+00
37	3.700E+01	1.526E-01	-1.202E-02	3.760E+03	3.374E+01	0.000E+00
38	3.800E+01	1.410E-01	-1.157E-02	3.821E+03	3.380E+01	0.000E+00
39	3.900E+01	1.299E-01	-1.112E-02	3.882E+03	3.386E+01	0.000E+00
40	4.000E+01	1.192E-01	-1.067E-02	3.942E+03	3.393E+01	0.000E+00
41	4.100E+01	1.090E-01	-1.020E-02	4.001E+03	3.399E+01	0.000E+00
42	4.200E+01	9.927E-02	-9.731E-03	4.059E+03	3.406E+01	0.000E+00
43	4.300E+01	9.001E-02	-9.254E-03	4.115E+03	3.412E+01	0.000E+00
44	4.400E+01	8.124E-02	-8.769E-03	4.171E+03	3.418E+01	0.000E+00
45	4.500E+01	7.296E-02	-8.278E-03	4.225E+03	3.425E+01	0.000E+00
46	4.600E+01	6.518E-02	-7.781E-03	4.278E+03	3.431E+01	0.000E+00
47	4.700E+01	5.790E-02	-7.278E-03	4.330E+03	3.438E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	5.114E-02	-6.768E-03	4.381E+03	3.444E+01	0.000E+00
49	4.900E+01	4.488E-02	-6.252E-03	4.431E+03	3.450E+01	0.000E+00
50	5.000E+01	3.915E-02	-5.731E-03	4.479E+03	3.457E+01	0.000E+00
51	5.100E+01	3.386E-02	-5.298E-03	4.527E+03	3.460E+01	0.000E+00
52	5.200E+01	2.893E-02	-4.928E-03	4.573E+03	3.460E+01	0.000E+00
53	5.300E+01	2.437E-02	-4.554E-03	4.619E+03	3.460E+01	0.000E+00
54	5.400E+01	2.020E-02	-4.176E-03	4.664E+03	3.460E+01	0.000E+00
55	5.500E+01	1.640E-02	-3.794E-03	4.708E+03	3.460E+01	0.000E+00
56	5.600E+01	1.300E-02	-3.409E-03	4.751E+03	3.460E+01	0.000E+00
57	5.700E+01	9.976E-03	-3.020E-03	4.792E+03	3.460E+01	0.000E+00
58	5.800E+01	7.348E-03	-2.628E-03	4.833E+03	3.460E+01	0.000E+00
59	5.900E+01	5.116E-03	-2.232E-03	4.873E+03	3.460E+01	0.000E+00
60	6.000E+01	3.283E-03	-1.833E-03	4.913E+03	3.460E+01	0.000E+00
61	6.100E+01	1.851E-03	-1.431E-03	4.951E+03	3.460E+01	0.000E+00
62	6.200E+01	8.251E-04	-1.026E-03	4.988E+03	3.460E+01	0.000E+00
63	6.300E+01	2.070E-04	-6.181E-04	5.024E+03	3.460E+01	0.000E+00
64	6.400E+01	0.000E+00	-2.070E-04	2.529E+03	-2.495E+03	-3.460E+01
65	6.500E+01	2.070E-04	2.070E-04	0.000E+00	-2.529E+03	0.000E+00

PROB (CONTD)

5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	8.443E-01		0	8.443E-01		999	0.000E+00		999	0.000E+00		999
0	8.219E-01		999	8.219E-01		0	4.641E+02		999	4.641E+02		999
1	7.997E-01		999	7.997E-01		0	1.014E+03		999	1.014E+03		999
2	7.775E-01		0	7.775E-01		999	1.099E+03		999	1.099E+03		999
3	7.555E-01		999	7.555E-01		0	1.184E+03		999	1.184E+03		999
4	7.336E-01		999	7.336E-01		0	1.269E+03		999	1.269E+03		999
5	7.119E-01		0	7.119E-01		999	1.353E+03		999	1.353E+03		999
6	6.903E-01		0	6.903E-01		999	1.437E+03		999	1.437E+03		999
7	6.689E-01		999	6.689E-01		0	1.521E+03		999	1.521E+03		999
8	6.477E-01		0	6.477E-01		999	1.605E+03		999	1.605E+03		999
9	6.267E-01		999	6.267E-01		0	1.688E+03		999	1.688E+03		999
10	6.059E-01		0	6.059E-01		999	1.770E+03		999	1.770E+03		999
11	5.853E-01		0	5.853E-01		999	1.852E+03		999	1.852E+03		999
12	5.649E-01		0	5.649E-01		999	1.934E+03		999	1.934E+03		999
13	5.447E-01		999	5.447E-01		0	2.015E+03		999	2.015E+03		999
14	5.247E-01		0	5.247E-01		999	2.096E+03		999	2.096E+03		999
15	5.051E-01		999	5.051E-01		0	2.176E+03		999	2.176E+03		999
16	4.856E-01		999	4.856E-01		0	2.256E+03		999	2.256E+03		999
17	4.664E-01		0	4.664E-01		999	2.335E+03		999	2.335E+03		999
18	4.476E-01		999	4.476E-01		0	2.413E+03		999	2.413E+03		999
19	4.289E-01		999	4.289E-01		0	2.491E+03		999	2.491E+03		999
20	4.106E-01		0	4.106E-01		999	2.568E+03		999	2.568E+03		999
21	3.926E-01		0	3.926E-01		999	2.644E+03		999	2.644E+03		999
22	3.749E-01		0	3.749E-01		999	2.720E+03		999	2.720E+03		999
23	3.575E-01		0	3.575E-01		999	2.795E+03		999	2.795E+03		999
24	3.405E-01		999	3.405E-01		0	2.870E+03		999	2.870E+03		999
25	3.238E-01		999	3.238E-01		0	2.943E+03		999	2.943E+03		999
26	3.074E-01		0	3.074E-01		999	3.016E+03		999	3.016E+03		999
27	2.914E-01		0	2.914E-01		999	3.088E+03		999	3.088E+03		999
28	2.757E-01		999	2.757E-01		0	3.159E+03		999	3.159E+03		999
29	2.604E-01		999	2.604E-01		0	3.229E+03		999	3.229E+03		999
30	2.455E-01		0	2.455E-01		999	3.299E+03		999	3.299E+03		999
31	2.310E-01		0	2.310E-01		999	3.368E+03		999	3.368E+03		999
32	2.169E-01		999	2.169E-01		0	3.435E+03		999	3.435E+03		999
33	2.032E-01		0	2.032E-01		999	3.502E+03		999	3.502E+03		999
34	1.899E-01		0	1.899E-01		999	3.568E+03		999	3.568E+03		999
35	1.770E-01		999	1.770E-01		0	3.633E+03		999	3.633E+03		999
36	1.646E-01		999	1.646E-01		0	3.697E+03		999	3.697E+03		999
37	1.526E-01		999	1.526E-01		0	3.760E+03		999	3.760E+03		999
38	1.410E-01		0	1.410E-01		999	3.821E+03		999	3.821E+03		999
39	1.299E-01		0	1.299E-01		999	3.882E+03		999	3.882E+03		999
40	1.192E-01		0	1.192E-01		999	3.942E+03		999	3.942E+03		999
41	1.090E-01		999	1.090E-01		0	4.001E+03		999	4.001E+03		999
42	9.927E-02		0	9.927E-02		999	4.059E+03		999	4.059E+03		999
43	9.001E-02		0	9.001E-02		999	4.115E+03		999	4.115E+03		999
44	8.124E-02		999	8.124E-02		0	4.171E+03		999	4.171E+03		999
45	7.296E-02		999	7.296E-02		0	4.225E+03		999	4.225E+03		999
46	6.518E-02		0	6.518E-02		999	4.278E+03		999	4.278E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	5.790E-02	999		5.790E-02	0		4.330E+03	999		4.330E+03	999	
48	5.114E-02	0		5.114E-02	999		4.381E+03	999		4.381E+03	999	
49	4.488E-02	0		4.488E-02	999		4.431E+03	999		4.431E+03	999	
50	3.915E-02	999		3.915E-02	0		4.479E+03	999		4.479E+03	999	
51	3.386E-02	0		3.386E-02	999		4.527E+03	999		4.527E+03	999	
52	2.893E-02	999		2.893E-02	0		4.573E+03	999		4.573E+03	999	
53	2.437E-02	999		2.437E-02	0		4.619E+03	999		4.619E+03	999	
54	2.020E-02	999		2.020E-02	0		4.664E+03	999		4.664E+03	999	
55	1.640E-02	999		1.640E-02	0		4.708E+03	999		4.708E+03	999	
56	1.300E-02	0		1.300E-02	999		4.751E+03	999		4.751E+03	999	
57	9.976E-03	999		9.976E-03	0		4.792E+03	999		4.792E+03	999	
58	7.348E-03	999		7.348E-03	0		4.833E+03	999		4.833E+03	999	
59	5.116E-03	0		5.116E-03	999		4.873E+03	999		4.873E+03	999	
60	3.283E-03	999		3.283E-03	0		4.913E+03	999		4.913E+03	999	
61	1.851E-03	0		1.851E-03	999		4.951E+03	999		4.951E+03	999	
62	8.251E-04	0		8.251E-04	999		4.988E+03	999		4.988E+03	999	
63	2.070E-04	999		2.070E-04	0		5.024E+03	999		5.024E+03	999	
64	0.000E+00	999		0.000E+00	999		2.529E+03	999		2.529E+03	999	
65	2.070E-04	999		2.070E-04	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	4.641E+02 999	4.641E+02 999	0.000E+00 999	0.000E+00 999
0	4.956E+02 999	4.956E+02 999	0.000E+00 999	0.000E+00 999
1	3.150E+01 999	3.150E+01 999	0.000E+00 999	0.000E+00 999
2	3.156E+01 999	3.156E+01 999	0.000E+00 999	0.000E+00 999
3	3.162E+01 999	3.162E+01 999	0.000E+00 999	0.000E+00 999
4	3.169E+01 999	3.169E+01 999	0.000E+00 999	0.000E+00 999
5	3.175E+01 999	3.175E+01 999	0.000E+00 999	0.000E+00 999
6	3.182E+01 999	3.182E+01 999	0.000E+00 999	0.000E+00 999
7	3.188E+01 999	3.188E+01 999	0.000E+00 999	0.000E+00 999
8	3.194E+01 999	3.194E+01 999	0.000E+00 999	0.000E+00 999
9	3.201E+01 999	3.201E+01 999	0.000E+00 999	0.000E+00 999
10	3.207E+01 999	3.207E+01 999	0.000E+00 999	0.000E+00 999
11	3.214E+01 999	3.214E+01 999	0.000E+00 999	0.000E+00 999
12	3.220E+01 999	3.220E+01 999	0.000E+00 999	0.000E+00 999
13	3.226E+01 999	3.226E+01 999	0.000E+00 999	0.000E+00 999
14	3.233E+01 999	3.233E+01 999	0.000E+00 999	0.000E+00 999
15	3.239E+01 999	3.239E+01 999	0.000E+00 999	0.000E+00 999
16	3.246E+01 999	3.246E+01 999	0.000E+00 999	0.000E+00 999
17	3.252E+01 999	3.252E+01 999	0.000E+00 999	0.000E+00 999
18	3.258E+01 999	3.258E+01 999	0.000E+00 999	0.000E+00 999
19	3.265E+01 999	3.265E+01 999	0.000E+00 999	0.000E+00 999
20	3.271E+01 999	3.271E+01 999	0.000E+00 999	0.000E+00 999
21	3.278E+01 999	3.278E+01 999	0.000E+00 999	0.000E+00 999
22	3.284E+01 999	3.284E+01 999	0.000E+00 999	0.000E+00 999
23	3.290E+01 999	3.290E+01 999	0.000E+00 999	0.000E+00 999
24	3.297E+01 999	3.297E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.303E+01 999	3.303E+01 999	0.000E+00 999	0.000E+00 999
27	3.310E+01 999	3.310E+01 999	0.000E+00 999	0.000E+00 999
28	3.316E+01 999	3.316E+01 999	0.000E+00 999	0.000E+00 999
29	3.322E+01 999	3.322E+01 999	0.000E+00 999	0.000E+00 999
30	3.329E+01 999	3.329E+01 999	0.000E+00 999	0.000E+00 999
31	3.335E+01 999	3.335E+01 999	0.000E+00 999	0.000E+00 999
32	3.342E+01 999	3.342E+01 999	0.000E+00 999	0.000E+00 999
33	3.348E+01 999	3.348E+01 999	0.000E+00 999	0.000E+00 999
34	3.354E+01 999	3.354E+01 999	0.000E+00 999	0.000E+00 999
35	3.361E+01 999	3.361E+01 999	0.000E+00 999	0.000E+00 999
36	3.367E+01 999	3.367E+01 999	0.000E+00 999	0.000E+00 999
37	3.374E+01 999	3.374E+01 999	0.000E+00 999	0.000E+00 999
38	3.380E+01 999	3.380E+01 999	0.000E+00 999	0.000E+00 999
39	3.386E+01 999	3.386E+01 999	0.000E+00 999	0.000E+00 999
40	3.393E+01 999	3.393E+01 999	0.000E+00 999	0.000E+00 999
41	3.399E+01 999	3.399E+01 999	0.000E+00 999	0.000E+00 999
42	3.406E+01 999	3.406E+01 999	0.000E+00 999	0.000E+00 999
43	3.412E+01 999	3.412E+01 999	0.000E+00 999	0.000E+00 999
44	3.418E+01 999	3.418E+01 999	0.000E+00 999	0.000E+00 999
45	3.425E+01 999	3.425E+01 999	0.000E+00 999	0.000E+00 999
46	3.431E+01 999	3.431E+01 999	0.000E+00 999	0.000E+00 999
47	3.438E+01 999	3.438E+01 999	0.000E+00 999	0.000E+00 999
48	3.444E+01 999	3.444E+01 999	0.000E+00 999	0.000E+00 999
49	3.450E+01 999	3.450E+01 999	0.000E+00 999	0.000E+00 999
50	3.457E+01 999	3.457E+01 999	0.000E+00 999	0.000E+00 999
51	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
53	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
54	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
55	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
56	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
57	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
58	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
59	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
60	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
61	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
62	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
63	3.460E+01 999	3.460E+01 999	0.000E+00 999	0.000E+00 999
64	-2.495E+03 999	-2.495E+03 999	-3.460E+01 999	-3.460E+01 999
65	-2.529E+03 999	-2.529E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	7.880E+01	0.000E+00	1.023E+03	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	5.500E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
6            Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.509E-01		0.000E+00		0.000E+00
0	0.000E+00	1.461E-01	-4.785E-03	5.114E+02	5.114E+02	0.000E+00
1	1.000E+00	1.413E-01	-4.755E-03	1.113E+03	5.902E+02	0.000E+00
2	2.000E+00	1.366E-01	-4.722E-03	1.204E+03	7.888E+01	0.000E+00
3	3.000E+00	1.319E-01	-4.686E-03	1.294E+03	7.894E+01	0.000E+00
4	4.000E+00	1.273E-01	-4.648E-03	1.384E+03	7.899E+01	0.000E+00
5	5.000E+00	1.227E-01	-4.608E-03	1.474E+03	7.905E+01	0.000E+00
6	6.000E+00	1.181E-01	-4.564E-03	1.565E+03	7.910E+01	0.000E+00
7	7.000E+00	1.136E-01	-4.518E-03	1.655E+03	7.916E+01	0.000E+00
8	8.000E+00	1.091E-01	-4.470E-03	1.745E+03	7.921E+01	0.000E+00
9	9.000E+00	1.047E-01	-4.418E-03	1.835E+03	7.927E+01	0.000E+00
10	1.000E+01	1.003E-01	-4.364E-03	1.925E+03	7.932E+01	0.000E+00
11	1.100E+01	9.604E-02	-4.308E-03	2.015E+03	7.938E+01	0.000E+00
12	1.200E+01	9.179E-02	-4.248E-03	2.104E+03	7.943E+01	0.000E+00
13	1.300E+01	8.760E-02	-4.186E-03	2.194E+03	7.949E+01	0.000E+00
14	1.400E+01	8.348E-02	-4.122E-03	2.283E+03	7.954E+01	0.000E+00
15	1.500E+01	7.943E-02	-4.055E-03	2.373E+03	7.960E+01	0.000E+00
16	1.600E+01	7.544E-02	-3.985E-03	2.462E+03	7.965E+01	0.000E+00
17	1.700E+01	7.153E-02	-3.912E-03	2.551E+03	7.971E+01	0.000E+00
18	1.800E+01	6.769E-02	-3.837E-03	2.641E+03	7.976E+01	0.000E+00
19	1.900E+01	6.393E-02	-3.759E-03	2.729E+03	7.982E+01	0.000E+00
20	2.000E+01	6.025E-02	-3.679E-03	2.818E+03	7.987E+01	0.000E+00
21	2.100E+01	5.666E-02	-3.596E-03	2.907E+03	7.993E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.315E-02	-3.511E-03	2.995E+03	7.998E+01	0.000E+00
23	2.300E+01	4.972E-02	-3.423E-03	3.084E+03	8.004E+01	0.000E+00
24	2.400E+01	4.639E-02	-3.332E-03	3.172E+03	8.009E+01	0.000E+00
25	2.500E+01	4.315E-02	-3.238E-03	3.260E+03	8.015E+01	0.000E+00
26	2.600E+01	4.001E-02	-3.142E-03	3.348E+03	8.020E+01	0.000E+00
27	2.700E+01	3.697E-02	-3.044E-03	3.435E+03	8.026E+01	0.000E+00
28	2.800E+01	3.402E-02	-2.943E-03	3.523E+03	8.031E+01	0.000E+00
29	2.900E+01	3.118E-02	-2.839E-03	3.610E+03	8.037E+01	0.000E+00
30	3.000E+01	2.845E-02	-2.733E-03	3.697E+03	8.042E+01	0.000E+00
31	3.100E+01	2.583E-02	-2.624E-03	3.784E+03	8.048E+01	0.000E+00
32	3.200E+01	2.331E-02	-2.513E-03	3.871E+03	8.053E+01	0.000E+00
33	3.300E+01	2.092E-02	-2.399E-03	3.957E+03	8.059E+01	0.000E+00
34	3.400E+01	1.863E-02	-2.282E-03	4.043E+03	8.064E+01	0.000E+00
35	3.500E+01	1.647E-02	-2.163E-03	4.129E+03	8.070E+01	0.000E+00
36	3.600E+01	1.443E-02	-2.042E-03	4.215E+03	8.075E+01	0.000E+00
37	3.700E+01	1.251E-02	-1.918E-03	4.300E+03	8.081E+01	0.000E+00
38	3.800E+01	1.072E-02	-1.791E-03	4.386E+03	8.086E+01	0.000E+00
39	3.900E+01	9.057E-03	-1.662E-03	4.471E+03	8.092E+01	0.000E+00
40	4.000E+01	7.526E-03	-1.531E-03	4.471E+03	8.097E+01	0.000E+00
41	4.100E+01	6.129E-03	-1.397E-03	4.555E+03	8.103E+01	0.000E+00
42	4.200E+01	6.129E-03	-1.260E-03	4.640E+03	8.108E+01	0.000E+00
43	4.300E+01	4.869E-03	-1.121E-03	4.724E+03	8.108E+01	0.000E+00
44	4.400E+01	3.748E-03	-1.121E-03	4.808E+03	8.114E+01	0.000E+00
45	4.500E+01	2.769E-03	-9.795E-04	4.891E+03	8.119E+01	0.000E+00
46	4.600E+01	1.933E-03	-8.356E-04	4.975E+03	8.125E+01	0.000E+00
47	4.700E+01	1.244E-03	-6.892E-04	5.058E+03	8.130E+01	0.000E+00
48	4.800E+01	7.037E-04	-5.403E-04	5.140E+03	8.136E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.146E-04	-3.891E-04	5.223E+03	8.141E+01	0.000E+00
49	4.900E+01	7.926E-05	-2.354E-04	5.305E+03	8.147E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.926E-05	2.693E+03	-2.612E+03	-8.155E+01
51	5.100E+01	7.926E-05	7.926E-05	0.000E+00	-2.693E+03	0.000E+00

PROB (CONTD)

6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.509E-01	999		1.509E-01	0		0.000E+00	999		0.000E+00	999	
0	1.461E-01	0		1.461E-01	999		5.114E+02	999		5.114E+02	999	
1	1.413E-01	0		1.413E-01	999		1.113E+03	999		1.113E+03	999	
2	1.366E-01	0		1.366E-01	999		1.204E+03	999		1.204E+03	999	
3	1.319E-01	999		1.319E-01	0		1.294E+03	999		1.294E+03	999	
4	1.273E-01	999		1.273E-01	0		1.384E+03	999		1.384E+03	999	
5	1.227E-01	0		1.227E-01	999		1.474E+03	999		1.474E+03	999	
6	1.181E-01	999		1.181E-01	0		1.565E+03	999		1.565E+03	999	
7	1.136E-01	0		1.136E-01	999		1.655E+03	999		1.655E+03	999	
8	1.091E-01	999		1.091E-01	0		1.745E+03	999		1.745E+03	999	
9	1.047E-01	999		1.047E-01	0		1.835E+03	999		1.835E+03	999	
10	1.003E-01	999		1.003E-01	0		1.925E+03	999		1.925E+03	999	
11	9.604E-02	0		9.604E-02	999		2.015E+03	999		2.015E+03	999	
12	9.179E-02	999		9.179E-02	0		2.104E+03	999		2.104E+03	999	
13	8.760E-02	999		8.760E-02	0		2.194E+03	999		2.194E+03	999	
14	8.348E-02	999		8.348E-02	0		2.283E+03	999		2.283E+03	999	
15	7.943E-02	0		7.943E-02	999		2.373E+03	999		2.373E+03	999	
16	7.544E-02	0		7.544E-02	999		2.462E+03	999		2.462E+03	999	
17	7.153E-02	0		7.153E-02	999		2.551E+03	999		2.551E+03	999	
18	6.769E-02	999		6.769E-02	0		2.641E+03	999		2.641E+03	999	
19	6.393E-02	0		6.393E-02	999		2.729E+03	999		2.729E+03	999	
20	6.025E-02	999		6.025E-02	0		2.818E+03	999		2.818E+03	999	
21	5.666E-02	0		5.666E-02	999		2.907E+03	999		2.907E+03	999	
22	5.315E-02	0		5.315E-02	999		2.995E+03	999		2.995E+03	999	
23	4.972E-02	999		4.972E-02	0		3.084E+03	999		3.084E+03	999	
24	4.639E-02	999		4.639E-02	0		3.172E+03	999		3.172E+03	999	
25	4.315E-02	0		4.315E-02	999		3.260E+03	999		3.260E+03	999	
26	4.001E-02	999		4.001E-02	0		3.348E+03	999		3.348E+03	999	
27	3.697E-02	999		3.697E-02	0		3.435E+03	999		3.435E+03	999	
28	3.402E-02	999		3.402E-02	0		3.523E+03	999		3.523E+03	999	
29	3.118E-02	0		3.118E-02	999		3.610E+03	999		3.610E+03	999	
30	2.845E-02	999		2.845E-02	0		3.697E+03	999		3.697E+03	999	
31	2.583E-02	0		2.583E-02	999		3.784E+03	999		3.784E+03	999	
32	2.331E-02	999		2.331E-02	0		3.871E+03	999		3.871E+03	999	
33	2.092E-02	0		2.092E-02	999		3.957E+03	999		3.957E+03	999	
34	1.863E-02	0		1.863E-02	999		4.043E+03	999		4.043E+03	999	
35	1.647E-02	0		1.647E-02	999		4.129E+03	999		4.129E+03	999	
36	1.443E-02	999		1.443E-02	0		4.215E+03	999		4.215E+03	999	
37	1.251E-02	0		1.251E-02	999		4.300E+03	999		4.300E+03	999	
38	1.072E-02	0		1.072E-02	999		4.386E+03	999		4.386E+03	999	
39	9.057E-03	999		9.057E-03	0		4.471E+03	999		4.471E+03	999	
40	7.526E-03	0		7.526E-03	999		4.555E+03	999		4.555E+03	999	
41	6.129E-03	0		6.129E-03	999		4.640E+03	999		4.640E+03	999	
42	4.869E-03	999		4.869E-03	0		4.724E+03	999		4.724E+03	999	
43	3.748E-03	0		3.748E-03	999		4.808E+03	999		4.808E+03	999	
44	2.769E-03	0		2.769E-03	999		4.891E+03	999		4.891E+03	999	
45	1.933E-03	999		1.933E-03	0		4.975E+03	999		4.975E+03	999	
46	1.244E-03	0		1.244E-03	999		5.058E+03	999		5.058E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	7.037E-04	999		7.037E-04	0		5.140E+03	999		5.140E+03	999	
48	3.146E-04	999		3.146E-04	0		5.223E+03	999		5.223E+03	999	
49	7.926E-05	999		7.926E-05	0		5.305E+03	999		5.305E+03	999	
50	0.000E+00	999		0.000E+00	999		2.693E+03	999		2.693E+03	999	
51	7.926E-05	999		7.926E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.114E+02 999	5.114E+02 999	0.000E+00 999	0.000E+00 999
0	5.902E+02 999	5.902E+02 999	0.000E+00 999	0.000E+00 999
1	7.888E+01 999	7.888E+01 999	0.000E+00 999	0.000E+00 999
2	7.894E+01 999	7.894E+01 999	0.000E+00 999	0.000E+00 999
3	7.899E+01 999	7.899E+01 999	0.000E+00 999	0.000E+00 999
4	7.905E+01 999	7.905E+01 999	0.000E+00 999	0.000E+00 999
5	7.910E+01 999	7.910E+01 999	0.000E+00 999	0.000E+00 999
6	7.916E+01 999	7.916E+01 999	0.000E+00 999	0.000E+00 999
7	7.921E+01 999	7.921E+01 999	0.000E+00 999	0.000E+00 999
8	7.927E+01 999	7.927E+01 999	0.000E+00 999	0.000E+00 999
9	7.932E+01 999	7.932E+01 999	0.000E+00 999	0.000E+00 999
10	7.938E+01 999	7.938E+01 999	0.000E+00 999	0.000E+00 999
11	7.943E+01 999	7.943E+01 999	0.000E+00 999	0.000E+00 999
12	7.949E+01 999	7.949E+01 999	0.000E+00 999	0.000E+00 999
13	7.954E+01 999	7.954E+01 999	0.000E+00 999	0.000E+00 999
14	7.960E+01 999	7.960E+01 999	0.000E+00 999	0.000E+00 999
15	7.965E+01 999	7.965E+01 999	0.000E+00 999	0.000E+00 999
16	7.971E+01 999	7.971E+01 999	0.000E+00 999	0.000E+00 999
17	7.976E+01 999	7.976E+01 999	0.000E+00 999	0.000E+00 999
18	7.982E+01 999	7.982E+01 999	0.000E+00 999	0.000E+00 999
19	7.987E+01 999	7.987E+01 999	0.000E+00 999	0.000E+00 999
20	7.993E+01 999	7.993E+01 999	0.000E+00 999	0.000E+00 999
21	7.998E+01 999	7.998E+01 999	0.000E+00 999	0.000E+00 999
22	8.004E+01 999	8.004E+01 999	0.000E+00 999	0.000E+00 999
23	8.009E+01 999	8.009E+01 999	0.000E+00 999	0.000E+00 999
24	8.015E+01 999	8.015E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	8.020E+01 999	8.020E+01 999	0.000E+00 999	0.000E+00 999
27	8.026E+01 999	8.026E+01 999	0.000E+00 999	0.000E+00 999
28	8.031E+01 999	8.031E+01 999	0.000E+00 999	0.000E+00 999
29	8.037E+01 999	8.037E+01 999	0.000E+00 999	0.000E+00 999
30	8.042E+01 999	8.042E+01 999	0.000E+00 999	0.000E+00 999
31	8.048E+01 999	8.048E+01 999	0.000E+00 999	0.000E+00 999
32	8.053E+01 999	8.053E+01 999	0.000E+00 999	0.000E+00 999
33	8.059E+01 999	8.059E+01 999	0.000E+00 999	0.000E+00 999
34	8.064E+01 999	8.064E+01 999	0.000E+00 999	0.000E+00 999
35	8.070E+01 999	8.070E+01 999	0.000E+00 999	0.000E+00 999
36	8.075E+01 999	8.075E+01 999	0.000E+00 999	0.000E+00 999
37	8.081E+01 999	8.081E+01 999	0.000E+00 999	0.000E+00 999
38	8.086E+01 999	8.086E+01 999	0.000E+00 999	0.000E+00 999
39	8.092E+01 999	8.092E+01 999	0.000E+00 999	0.000E+00 999
40	8.097E+01 999	8.097E+01 999	0.000E+00 999	0.000E+00 999
41	8.103E+01 999	8.103E+01 999	0.000E+00 999	0.000E+00 999
42	8.108E+01 999	8.108E+01 999	0.000E+00 999	0.000E+00 999
43	8.114E+01 999	8.114E+01 999	0.000E+00 999	0.000E+00 999
44	8.119E+01 999	8.119E+01 999	0.000E+00 999	0.000E+00 999
45	8.125E+01 999	8.125E+01 999	0.000E+00 999	0.000E+00 999
46	8.130E+01 999	8.130E+01 999	0.000E+00 999	0.000E+00 999
47	8.136E+01 999	8.136E+01 999	0.000E+00 999	0.000E+00 999
48	8.141E+01 999	8.141E+01 999	0.000E+00 999	0.000E+00 999
49	8.147E+01 999	8.147E+01 999	0.000E+00 999	0.000E+00 999
50	-2.612E+03 999	-2.612E+03 999	-8.155E+01 999	-8.155E+01 999
51	-2.693E+03 999	-2.693E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 7 Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	3.390E+01	0.000E+00	9.504E+02	0.000E+00	-2.429E+03	
0	50	0	8.496E+06	9.100E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
7        Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	8.993E-01		0.000E+00		0.000E+00
0	0.000E+00	8.756E-01	-2.374E-02	4.752E+02	4.752E+02	0.000E+00
1	1.000E+00	8.519E-01	-2.363E-02	1.042E+03	5.091E+02	0.000E+00
2	2.000E+00	8.284E-01	-2.351E-02	1.133E+03	3.404E+01	0.000E+00
3	3.000E+00	8.050E-01	-2.337E-02	1.224E+03	3.413E+01	0.000E+00
4	4.000E+00	7.818E-01	-2.323E-02	1.224E+03	3.422E+01	0.000E+00
5	5.000E+00	7.587E-01	-2.308E-02	1.314E+03	3.431E+01	0.000E+00
6	6.000E+00	7.358E-01	-2.291E-02	1.405E+03	3.440E+01	0.000E+00
7	7.000E+00	7.131E-01	-2.273E-02	1.495E+03	3.449E+01	0.000E+00
8	8.000E+00	6.905E-01	-2.255E-02	1.584E+03	3.458E+01	0.000E+00
9	9.000E+00	6.682E-01	-2.235E-02	1.674E+03	3.467E+01	0.000E+00
10	1.000E+01	6.461E-01	-2.214E-02	1.763E+03	3.476E+01	0.000E+00
11	1.100E+01	6.241E-01	-2.192E-02	1.851E+03	3.486E+01	0.000E+00
12	1.200E+01	6.024E-01	-2.170E-02	1.939E+03	3.495E+01	0.000E+00
13	1.300E+01	5.810E-01	-2.146E-02	2.027E+03	3.504E+01	0.000E+00
14	1.400E+01	5.598E-01	-2.121E-02	2.114E+03	3.513E+01	0.000E+00
15	1.500E+01	5.388E-01	-2.095E-02	2.201E+03	3.522E+01	0.000E+00
16	1.600E+01	5.181E-01	-2.068E-02	2.287E+03	3.531E+01	0.000E+00
17	1.700E+01	4.977E-01	-2.040E-02	2.373E+03	3.540E+01	0.000E+00
18	1.800E+01	4.776E-01	-2.011E-02	2.457E+03	3.549E+01	0.000E+00
19	1.900E+01	4.578E-01	-1.981E-02	2.542E+03	3.558E+01	0.000E+00
20	2.000E+01	4.383E-01	-1.950E-02	2.626E+03	3.567E+01	0.000E+00
21	2.100E+01	4.191E-01	-1.919E-02	2.709E+03	3.577E+01	0.000E+00
				2.791E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	4.003E-01	-1.886E-02	2.873E+03	3.586E+01	0.000E+00
23	2.300E+01	3.817E-01	-1.852E-02	2.953E+03	3.595E+01	0.000E+00
24	2.400E+01	3.636E-01	-1.817E-02	3.034E+03	3.604E+01	0.000E+00
25	2.500E+01	3.458E-01	-1.781E-02	3.113E+03	3.613E+01	0.000E+00
26	2.600E+01	3.283E-01	-1.745E-02	3.192E+03	3.622E+01	0.000E+00
27	2.700E+01	3.112E-01	-1.707E-02	3.269E+03	3.631E+01	0.000E+00
28	2.800E+01	2.945E-01	-1.669E-02	3.346E+03	3.640E+01	0.000E+00
29	2.900E+01	2.783E-01	-1.629E-02	3.422E+03	3.649E+01	0.000E+00
30	3.000E+01	2.624E-01	-1.589E-02	3.498E+03	3.658E+01	0.000E+00
31	3.100E+01	2.469E-01	-1.548E-02	3.572E+03	3.668E+01	0.000E+00
32	3.200E+01	2.318E-01	-1.506E-02	3.645E+03	3.677E+01	0.000E+00
33	3.300E+01	2.172E-01	-1.463E-02	3.718E+03	3.686E+01	0.000E+00
34	3.400E+01	2.030E-01	-1.419E-02	3.789E+03	3.695E+01	0.000E+00
35	3.500E+01	1.893E-01	-1.375E-02	3.859E+03	3.704E+01	0.000E+00
36	3.600E+01	1.760E-01	-1.329E-02	3.929E+03	3.713E+01	0.000E+00
37	3.700E+01	1.631E-01	-1.283E-02	3.997E+03	3.722E+01	0.000E+00
38	3.800E+01	1.508E-01	-1.236E-02	4.065E+03	3.731E+01	0.000E+00
39	3.900E+01	1.389E-01	-1.188E-02	4.131E+03	3.740E+01	0.000E+00
40	4.000E+01	1.275E-01	-1.139E-02	4.196E+03	3.749E+01	0.000E+00
41	4.100E+01	1.166E-01	-1.090E-02	4.260E+03	3.759E+01	0.000E+00
42	4.200E+01	1.062E-01	-1.040E-02	4.323E+03	3.768E+01	0.000E+00
43	4.300E+01	9.632E-02	-9.890E-03	4.385E+03	3.777E+01	0.000E+00
44	4.400E+01	8.694E-02	-9.374E-03	4.445E+03	3.786E+01	0.000E+00
45	4.500E+01	7.809E-02	-8.851E-03	4.505E+03	3.795E+01	0.000E+00
46	4.600E+01	6.977E-02	-8.320E-03	4.563E+03	3.804E+01	0.000E+00
47	4.700E+01	6.199E-02	-7.783E-03	4.620E+03	3.813E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	5.475E-02	-7.240E-03	4.676E+03	3.822E+01	0.000E+00
49	4.900E+01	4.806E-02	-6.689E-03	4.730E+03	3.831E+01	0.000E+00
50	5.000E+01	4.193E-02	-6.132E-03	4.784E+03	3.840E+01	0.000E+00
51	5.100E+01	3.626E-02	-5.671E-03	4.836E+03	3.845E+01	0.000E+00
52	5.200E+01	3.098E-02	-5.275E-03	4.887E+03	3.845E+01	0.000E+00
53	5.300E+01	2.611E-02	-4.875E-03	4.938E+03	3.845E+01	0.000E+00
54	5.400E+01	2.164E-02	-4.471E-03	4.987E+03	3.845E+01	0.000E+00
55	5.500E+01	1.758E-02	-4.063E-03	5.035E+03	3.845E+01	0.000E+00
56	5.600E+01	1.392E-02	-3.651E-03	5.082E+03	3.845E+01	0.000E+00
57	5.700E+01	1.069E-02	-3.235E-03	5.129E+03	3.845E+01	0.000E+00
58	5.800E+01	7.875E-03	-2.815E-03	5.174E+03	3.845E+01	0.000E+00
59	5.900E+01	5.483E-03	-2.392E-03	5.218E+03	3.845E+01	0.000E+00
60	6.000E+01	3.518E-03	-1.965E-03	5.262E+03	3.845E+01	0.000E+00
61	6.100E+01	1.984E-03	-1.534E-03	5.304E+03	3.845E+01	0.000E+00
62	6.200E+01	8.845E-04	-1.100E-03	5.345E+03	3.845E+01	0.000E+00
63	6.300E+01	2.219E-04	-6.626E-04	5.385E+03	3.845E+01	0.000E+00
64	6.400E+01	0.000E+00	-2.219E-04	2.712E+03	-2.674E+03	-3.845E+01
65	6.500E+01	2.219E-04	2.219E-04	0.000E+00	-2.712E+03	0.000E+00



PROB (CONTD)

7 Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	8.993E-01	999		8.993E-01	0		0.000E+00	999		0.000E+00	999	
0	8.756E-01	0		8.756E-01	999		4.752E+02	999		4.752E+02	999	
1	8.519E-01	999		8.519E-01	0		1.042E+03	999		1.042E+03	999	
2	8.284E-01	999		8.284E-01	0		1.133E+03	999		1.133E+03	999	
3	8.050E-01	0		8.050E-01	999		1.224E+03	999		1.224E+03	999	
4	7.818E-01	999		7.818E-01	0		1.314E+03	999		1.314E+03	999	
5	7.587E-01	0		7.587E-01	999		1.405E+03	999		1.405E+03	999	
6	7.358E-01	999		7.358E-01	0		1.495E+03	999		1.495E+03	999	
7	7.131E-01	0		7.131E-01	999		1.584E+03	999		1.584E+03	999	
8	6.905E-01	999		6.905E-01	0		1.674E+03	999		1.674E+03	999	
9	6.682E-01	0		6.682E-01	999		1.763E+03	999		1.763E+03	999	
10	6.461E-01	999		6.461E-01	0		1.851E+03	999		1.851E+03	999	
11	6.241E-01	999		6.241E-01	0		1.939E+03	999		1.939E+03	999	
12	6.024E-01	0		6.024E-01	999		2.027E+03	999		2.027E+03	999	
13	5.810E-01	0		5.810E-01	999		2.114E+03	999		2.114E+03	999	
14	5.598E-01	999		5.598E-01	0		2.201E+03	999		2.201E+03	999	
15	5.388E-01	0		5.388E-01	999		2.287E+03	999		2.287E+03	999	
16	5.181E-01	999		5.181E-01	0		2.373E+03	999		2.373E+03	999	
17	4.977E-01	0		4.977E-01	999		2.457E+03	999		2.457E+03	999	
18	4.776E-01	0		4.776E-01	999		2.542E+03	999		2.542E+03	999	
19	4.578E-01	999		4.578E-01	0		2.626E+03	999		2.626E+03	999	
20	4.383E-01	999		4.383E-01	0		2.709E+03	999		2.709E+03	999	
21	4.191E-01	0		4.191E-01	999		2.791E+03	999		2.791E+03	999	
22	4.003E-01	999		4.003E-01	0		2.873E+03	999		2.873E+03	999	
23	3.817E-01	999		3.817E-01	0		2.953E+03	999		2.953E+03	999	
24	3.636E-01	0		3.636E-01	999		3.034E+03	999		3.034E+03	999	
25	3.458E-01	999		3.458E-01	0		3.113E+03	999		3.113E+03	999	
26	3.283E-01	0		3.283E-01	999		3.192E+03	999		3.192E+03	999	
27	3.112E-01	0		3.112E-01	999		3.269E+03	999		3.269E+03	999	
28	2.945E-01	0		2.945E-01	999		3.346E+03	999		3.346E+03	999	
29	2.783E-01	999		2.783E-01	0		3.422E+03	999		3.422E+03	999	
30	2.624E-01	0		2.624E-01	999		3.498E+03	999		3.498E+03	999	
31	2.469E-01	999		2.469E-01	0		3.572E+03	999		3.572E+03	999	
32	2.318E-01	999		2.318E-01	0		3.645E+03	999		3.645E+03	999	
33	2.172E-01	0		2.172E-01	999		3.718E+03	999		3.718E+03	999	
34	2.030E-01	0		2.030E-01	999		3.789E+03	999		3.789E+03	999	
35	1.893E-01	0		1.893E-01	999		3.859E+03	999		3.859E+03	999	
36	1.760E-01	999		1.760E-01	0		3.929E+03	999		3.929E+03	999	
37	1.631E-01	999		1.631E-01	0		3.997E+03	999		3.997E+03	999	
38	1.508E-01	0		1.508E-01	999		4.065E+03	999		4.065E+03	999	
39	1.389E-01	0		1.389E-01	999		4.131E+03	999		4.131E+03	999	
40	1.275E-01	999		1.275E-01	0		4.196E+03	999		4.196E+03	999	
41	1.166E-01	0		1.166E-01	999		4.260E+03	999		4.260E+03	999	
42	1.062E-01	0		1.062E-01	999		4.323E+03	999		4.323E+03	999	
43	9.632E-02	0		9.632E-02	999		4.385E+03	999		4.385E+03	999	
44	8.694E-02	0		8.694E-02	999		4.445E+03	999		4.445E+03	999	
45	7.809E-02	999		7.809E-02	0		4.505E+03	999		4.505E+03	999	
46	6.977E-02	999		6.977E-02	0		4.563E+03	999		4.563E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.199E-02	999		6.199E-02	0		4.620E+03	999		4.620E+03	999	
48	5.475E-02	999		5.475E-02	0		4.676E+03	999		4.676E+03	999	
49	4.806E-02	0		4.806E-02	999		4.730E+03	999		4.730E+03	999	
50	4.193E-02	999		4.193E-02	0		4.784E+03	999		4.784E+03	999	
51	3.626E-02	999		3.626E-02	0		4.836E+03	999		4.836E+03	999	
52	3.098E-02	0		3.098E-02	999		4.887E+03	999		4.887E+03	999	
53	2.611E-02	999		2.611E-02	0		4.938E+03	999		4.938E+03	999	
54	2.164E-02	0		2.164E-02	999		4.987E+03	999		4.987E+03	999	
55	1.758E-02	0		1.758E-02	999		5.035E+03	999		5.035E+03	999	
56	1.392E-02	0		1.392E-02	999		5.082E+03	999		5.082E+03	999	
57	1.069E-02	0		1.069E-02	999		5.129E+03	999		5.129E+03	999	
58	7.875E-03	0		7.875E-03	999		5.174E+03	999		5.174E+03	999	
59	5.483E-03	0		5.483E-03	999		5.218E+03	999		5.218E+03	999	
60	3.518E-03	999		3.518E-03	0		5.262E+03	999		5.262E+03	999	
61	1.984E-03	0		1.984E-03	999		5.304E+03	999		5.304E+03	999	
62	8.845E-04	999		8.845E-04	0		5.345E+03	999		5.345E+03	999	
63	2.219E-04	999		2.219E-04	0		5.385E+03	999		5.385E+03	999	
64	0.000E+00	999		0.000E+00	999		2.712E+03	999		2.712E+03	999	
65	2.219E-04	999		2.219E-04	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	4.752E+02 999	4.752E+02 999	0.000E+00 999	0.000E+00 999
0	5.091E+02 999	5.091E+02 999	0.000E+00 999	0.000E+00 999
1	3.404E+01 999	3.404E+01 999	0.000E+00 999	0.000E+00 999
2	3.413E+01 999	3.413E+01 999	0.000E+00 999	0.000E+00 999
3	3.422E+01 999	3.422E+01 999	0.000E+00 999	0.000E+00 999
4	3.431E+01 999	3.431E+01 999	0.000E+00 999	0.000E+00 999
5	3.440E+01 999	3.440E+01 999	0.000E+00 999	0.000E+00 999
6	3.449E+01 999	3.449E+01 999	0.000E+00 999	0.000E+00 999
7	3.458E+01 999	3.458E+01 999	0.000E+00 999	0.000E+00 999
8	3.467E+01 999	3.467E+01 999	0.000E+00 999	0.000E+00 999
9	3.476E+01 999	3.476E+01 999	0.000E+00 999	0.000E+00 999
10	3.486E+01 999	3.486E+01 999	0.000E+00 999	0.000E+00 999
11	3.495E+01 999	3.495E+01 999	0.000E+00 999	0.000E+00 999
12	3.504E+01 999	3.504E+01 999	0.000E+00 999	0.000E+00 999
13	3.513E+01 999	3.513E+01 999	0.000E+00 999	0.000E+00 999
14	3.522E+01 999	3.522E+01 999	0.000E+00 999	0.000E+00 999
15	3.531E+01 999	3.531E+01 999	0.000E+00 999	0.000E+00 999
16	3.540E+01 999	3.540E+01 999	0.000E+00 999	0.000E+00 999
17	3.549E+01 999	3.549E+01 999	0.000E+00 999	0.000E+00 999
18	3.558E+01 999	3.558E+01 999	0.000E+00 999	0.000E+00 999
19	3.567E+01 999	3.567E+01 999	0.000E+00 999	0.000E+00 999
20	3.577E+01 999	3.577E+01 999	0.000E+00 999	0.000E+00 999
21	3.586E+01 999	3.586E+01 999	0.000E+00 999	0.000E+00 999
22	3.595E+01 999	3.595E+01 999	0.000E+00 999	0.000E+00 999
23	3.604E+01 999	3.604E+01 999	0.000E+00 999	0.000E+00 999
24	3.613E+01 999	3.613E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.622E+01 999	3.622E+01 999	0.000E+00 999	0.000E+00 999
27	3.631E+01 999	3.631E+01 999	0.000E+00 999	0.000E+00 999
28	3.640E+01 999	3.640E+01 999	0.000E+00 999	0.000E+00 999
29	3.649E+01 999	3.649E+01 999	0.000E+00 999	0.000E+00 999
30	3.658E+01 999	3.658E+01 999	0.000E+00 999	0.000E+00 999
31	3.668E+01 999	3.668E+01 999	0.000E+00 999	0.000E+00 999
32	3.677E+01 999	3.677E+01 999	0.000E+00 999	0.000E+00 999
33	3.686E+01 999	3.686E+01 999	0.000E+00 999	0.000E+00 999
34	3.695E+01 999	3.695E+01 999	0.000E+00 999	0.000E+00 999
35	3.704E+01 999	3.704E+01 999	0.000E+00 999	0.000E+00 999
36	3.713E+01 999	3.713E+01 999	0.000E+00 999	0.000E+00 999
37	3.722E+01 999	3.722E+01 999	0.000E+00 999	0.000E+00 999
38	3.731E+01 999	3.731E+01 999	0.000E+00 999	0.000E+00 999
39	3.740E+01 999	3.740E+01 999	0.000E+00 999	0.000E+00 999
40	3.749E+01 999	3.749E+01 999	0.000E+00 999	0.000E+00 999
41	3.759E+01 999	3.759E+01 999	0.000E+00 999	0.000E+00 999
42	3.768E+01 999	3.768E+01 999	0.000E+00 999	0.000E+00 999
43	3.777E+01 999	3.777E+01 999	0.000E+00 999	0.000E+00 999
44	3.786E+01 999	3.786E+01 999	0.000E+00 999	0.000E+00 999
45	3.795E+01 999	3.795E+01 999	0.000E+00 999	0.000E+00 999
46	3.804E+01 999	3.804E+01 999	0.000E+00 999	0.000E+00 999
47	3.813E+01 999	3.813E+01 999	0.000E+00 999	0.000E+00 999
48	3.822E+01 999	3.822E+01 999	0.000E+00 999	0.000E+00 999
49	3.831E+01 999	3.831E+01 999	0.000E+00 999	0.000E+00 999
50	3.840E+01 999	3.840E+01 999	0.000E+00 999	0.000E+00 999
51	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
53	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
54	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
55	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
56	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
57	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
58	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
59	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
60	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
61	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
62	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
63	3.845E+01 999	3.845E+01 999	0.000E+00 999	0.000E+00 999
64	-2.674E+03 999	-2.674E+03 999	-3.845E+01 999	-3.845E+01 999
65	-2.712E+03 999	-2.712E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	7.430E+01	0.000E+00	9.793E+02	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	4.500E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
8            Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.427E-01		0.000E+00		0.000E+00
0	0.000E+00	1.382E-01	-4.531E-03	4.896E+02	4.896E+02	0.000E+00
1	1.000E+00	1.337E-01	-4.502E-03	1.065E+03	5.640E+02	0.000E+00
2	2.000E+00	1.292E-01	-4.470E-03	1.150E+03	7.437E+01	0.000E+00
3	3.000E+00	1.248E-01	-4.437E-03	1.150E+03	7.441E+01	0.000E+00
4	4.000E+00	1.204E-01	-4.400E-03	1.235E+03	7.446E+01	0.000E+00
5	4.000E+00	1.204E-01	-4.437E-03	1.320E+03	7.450E+01	0.000E+00
6	5.000E+00	1.160E-01	-4.320E-03	1.405E+03	7.455E+01	0.000E+00
7	6.000E+00	1.117E-01	-4.276E-03	1.490E+03	7.459E+01	0.000E+00
8	7.000E+00	1.074E-01	-4.230E-03	1.575E+03	7.464E+01	0.000E+00
9	8.000E+00	1.032E-01	-4.181E-03	1.660E+03	7.468E+01	0.000E+00
10	9.000E+00	9.900E-02	-4.130E-03	1.745E+03	7.473E+01	0.000E+00
11	1.000E+01	9.487E-02	-4.076E-03	1.830E+03	7.477E+01	0.000E+00
12	1.100E+01	9.079E-02	-4.019E-03	1.914E+03	7.482E+01	0.000E+00
13	1.200E+01	8.678E-02	-3.961E-03	1.999E+03	7.486E+01	0.000E+00
14	1.300E+01	8.282E-02	-3.899E-03	2.083E+03	7.491E+01	0.000E+00
15	1.400E+01	7.892E-02	-3.835E-03	2.168E+03	7.495E+01	0.000E+00
16	1.500E+01	7.508E-02	-3.769E-03	2.252E+03	7.500E+01	0.000E+00
17	1.600E+01	7.131E-02	-3.700E-03	2.336E+03	7.504E+01	0.000E+00
18	1.700E+01	6.761E-02	-3.629E-03	2.420E+03	7.509E+01	0.000E+00
19	1.800E+01	6.398E-02	-3.555E-03	2.504E+03	7.513E+01	0.000E+00
20	1.900E+01	6.043E-02	-3.479E-03	2.588E+03	7.518E+01	0.000E+00
21	2.000E+01	5.695E-02	-3.401E-03	2.672E+03	7.522E+01	0.000E+00
22	2.100E+01	5.355E-02		2.755E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.023E-02	-3.320E-03	2.838E+03	7.527E+01	0.000E+00
23	2.300E+01	4.699E-02	-3.236E-03	2.922E+03	7.531E+01	0.000E+00
24	2.400E+01	4.384E-02	-3.150E-03	3.005E+03	7.536E+01	0.000E+00
25	2.500E+01	4.078E-02	-3.062E-03	3.087E+03	7.540E+01	0.000E+00
26	2.600E+01	3.781E-02	-2.971E-03	3.170E+03	7.545E+01	0.000E+00
27	2.700E+01	3.493E-02	-2.878E-03	3.253E+03	7.549E+01	0.000E+00
28	2.800E+01	3.215E-02	-2.782E-03	3.335E+03	7.554E+01	0.000E+00
29	2.900E+01	2.946E-02	-2.684E-03	3.417E+03	7.558E+01	0.000E+00
30	3.000E+01	2.688E-02	-2.583E-03	3.499E+03	7.563E+01	0.000E+00
31	3.100E+01	2.440E-02	-2.480E-03	3.581E+03	7.567E+01	0.000E+00
32	3.200E+01	2.203E-02	-2.375E-03	3.662E+03	7.572E+01	0.000E+00
33	3.300E+01	1.976E-02	-2.267E-03	3.743E+03	7.576E+01	0.000E+00
34	3.400E+01	1.760E-02	-2.157E-03	3.824E+03	7.581E+01	0.000E+00
35	3.500E+01	1.556E-02	-2.044E-03	3.905E+03	7.585E+01	0.000E+00
36	3.600E+01	1.363E-02	-1.929E-03	3.986E+03	7.590E+01	0.000E+00
37	3.700E+01	1.182E-02	-1.812E-03	4.066E+03	7.594E+01	0.000E+00
38	3.800E+01	1.012E-02	-1.692E-03	4.146E+03	7.599E+01	0.000E+00
39	3.900E+01	8.555E-03	-1.570E-03	4.226E+03	7.603E+01	0.000E+00
40	4.000E+01	7.109E-03	-1.446E-03	4.226E+03	7.608E+01	0.000E+00
41	4.100E+01	5.789E-03	-1.319E-03	4.306E+03	7.612E+01	0.000E+00
42	4.200E+01	4.599E-03	-1.190E-03	4.385E+03	7.617E+01	0.000E+00
43	4.300E+01	3.540E-03	-1.059E-03	4.464E+03	7.621E+01	0.000E+00
44	4.400E+01	2.615E-03	-9.252E-04	4.543E+03	7.626E+01	0.000E+00
45	4.500E+01	1.826E-03	-7.892E-04	4.621E+03	7.630E+01	0.000E+00
46	4.600E+01	1.175E-03	-6.509E-04	4.700E+03	7.635E+01	0.000E+00
47	4.700E+01	6.645E-04	-5.103E-04	4.777E+03	7.639E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.971E-04	-3.674E-04	4.932E+03	7.644E+01	0.000E+00
49	4.900E+01	7.484E-05	-2.223E-04	5.009E+03	7.648E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.484E-05	2.543E+03	-2.467E+03	-7.655E+01
51	5.100E+01	7.484E-05	7.484E-05	0.000E+00	-2.543E+03	0.000E+00

PROB (CONTD)

8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.427E-01		0	1.427E-01		999	0.000E+00		999	0.000E+00		999
0	1.382E-01		0	1.382E-01		999	4.896E+02		999	4.896E+02		999
1	1.337E-01		999	1.337E-01		0	1.065E+03		999	1.065E+03		999
2	1.292E-01		0	1.292E-01		999	1.150E+03		999	1.150E+03		999
3	1.248E-01		0	1.248E-01		999	1.235E+03		999	1.235E+03		999
4	1.204E-01		999	1.204E-01		0	1.320E+03		999	1.320E+03		999
5	1.160E-01		0	1.160E-01		999	1.405E+03		999	1.405E+03		999
6	1.117E-01		999	1.117E-01		0	1.490E+03		999	1.490E+03		999
7	1.074E-01		999	1.074E-01		0	1.575E+03		999	1.575E+03		999
8	1.032E-01		999	1.032E-01		0	1.660E+03		999	1.660E+03		999
9	9.900E-02		0	9.900E-02		999	1.745E+03		999	1.745E+03		999
10	9.487E-02		0	9.487E-02		999	1.830E+03		999	1.830E+03		999
11	9.079E-02		0	9.079E-02		999	1.914E+03		999	1.914E+03		999
12	8.678E-02		999	8.678E-02		0	1.999E+03		999	1.999E+03		999
13	8.282E-02		999	8.282E-02		0	2.083E+03		999	2.083E+03		999
14	7.892E-02		999	7.892E-02		0	2.168E+03		999	2.168E+03		999
15	7.508E-02		0	7.508E-02		999	2.252E+03		999	2.252E+03		999
16	7.131E-02		999	7.131E-02		0	2.336E+03		999	2.336E+03		999
17	6.761E-02		0	6.761E-02		999	2.420E+03		999	2.420E+03		999
18	6.398E-02		0	6.398E-02		999	2.504E+03		999	2.504E+03		999
19	6.043E-02		999	6.043E-02		0	2.588E+03		999	2.588E+03		999
20	5.695E-02		0	5.695E-02		999	2.672E+03		999	2.672E+03		999
21	5.355E-02		999	5.355E-02		0	2.755E+03		999	2.755E+03		999
22	5.023E-02		999	5.023E-02		0	2.838E+03		999	2.838E+03		999
23	4.699E-02		0	4.699E-02		999	2.922E+03		999	2.922E+03		999
24	4.384E-02		999	4.384E-02		0	3.005E+03		999	3.005E+03		999
25	4.078E-02		0	4.078E-02		999	3.087E+03		999	3.087E+03		999
26	3.781E-02		0	3.781E-02		999	3.170E+03		999	3.170E+03		999
27	3.493E-02		0	3.493E-02		999	3.253E+03		999	3.253E+03		999
28	3.215E-02		999	3.215E-02		0	3.335E+03		999	3.335E+03		999
29	2.946E-02		999	2.946E-02		0	3.417E+03		999	3.417E+03		999
30	2.688E-02		999	2.688E-02		0	3.499E+03		999	3.499E+03		999
31	2.440E-02		999	2.440E-02		0	3.581E+03		999	3.581E+03		999
32	2.203E-02		999	2.203E-02		0	3.662E+03		999	3.662E+03		999
33	1.976E-02		0	1.976E-02		999	3.743E+03		999	3.743E+03		999
34	1.760E-02		999	1.760E-02		0	3.824E+03		999	3.824E+03		999
35	1.556E-02		0	1.556E-02		999	3.905E+03		999	3.905E+03		999
36	1.363E-02		999	1.363E-02		0	3.986E+03		999	3.986E+03		999
37	1.182E-02		0	1.182E-02		999	4.066E+03		999	4.066E+03		999
38	1.012E-02		999	1.012E-02		0	4.146E+03		999	4.146E+03		999
39	8.555E-03		999	8.555E-03		0	4.226E+03		999	4.226E+03		999
40	7.109E-03		999	7.109E-03		0	4.306E+03		999	4.306E+03		999
41	5.789E-03		999	5.789E-03		0	4.385E+03		999	4.385E+03		999
42	4.599E-03		0	4.599E-03		999	4.464E+03		999	4.464E+03		999
43	3.540E-03		0	3.540E-03		999	4.543E+03		999	4.543E+03		999
44	2.615E-03		0	2.615E-03		999	4.621E+03		999	4.621E+03		999
45	1.826E-03		999	1.826E-03		0	4.700E+03		999	4.700E+03		999
46	1.175E-03		999	1.175E-03		0	4.777E+03		999	4.777E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.645E-04		999	6.645E-04		0	4.855E+03		999	4.855E+03		999
48	2.971E-04		999	2.971E-04		0	4.932E+03		999	4.932E+03		999
49	7.484E-05		0	7.484E-05		999	5.009E+03		999	5.009E+03		999
50	0.000E+00		999	0.000E+00		999	2.543E+03		999	2.543E+03		999
51	7.484E-05		0	7.484E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	4.896E+02 999	4.896E+02 999	0.000E+00 999	0.000E+00 999
1	5.640E+02 999	5.640E+02 999	0.000E+00 999	0.000E+00 999
2	7.437E+01 999	7.437E+01 999	0.000E+00 999	0.000E+00 999
3	7.441E+01 999	7.441E+01 999	0.000E+00 999	0.000E+00 999
4	7.446E+01 999	7.446E+01 999	0.000E+00 999	0.000E+00 999
5	7.450E+01 999	7.450E+01 999	0.000E+00 999	0.000E+00 999
6	7.455E+01 999	7.455E+01 999	0.000E+00 999	0.000E+00 999
7	7.459E+01 999	7.459E+01 999	0.000E+00 999	0.000E+00 999
8	7.464E+01 999	7.464E+01 999	0.000E+00 999	0.000E+00 999
9	7.468E+01 999	7.468E+01 999	0.000E+00 999	0.000E+00 999
10	7.473E+01 999	7.473E+01 999	0.000E+00 999	0.000E+00 999
11	7.477E+01 999	7.477E+01 999	0.000E+00 999	0.000E+00 999
12	7.482E+01 999	7.482E+01 999	0.000E+00 999	0.000E+00 999
13	7.486E+01 999	7.486E+01 999	0.000E+00 999	0.000E+00 999
14	7.491E+01 999	7.491E+01 999	0.000E+00 999	0.000E+00 999
15	7.495E+01 999	7.495E+01 999	0.000E+00 999	0.000E+00 999
16	7.500E+01 999	7.500E+01 999	0.000E+00 999	0.000E+00 999
17	7.504E+01 999	7.504E+01 999	0.000E+00 999	0.000E+00 999
18	7.509E+01 999	7.509E+01 999	0.000E+00 999	0.000E+00 999
19	7.513E+01 999	7.513E+01 999	0.000E+00 999	0.000E+00 999
20	7.518E+01 999	7.518E+01 999	0.000E+00 999	0.000E+00 999
21	7.522E+01 999	7.522E+01 999	0.000E+00 999	0.000E+00 999
22	7.527E+01 999	7.527E+01 999	0.000E+00 999	0.000E+00 999
23	7.531E+01 999	7.531E+01 999	0.000E+00 999	0.000E+00 999
24	7.536E+01 999	7.536E+01 999	0.000E+00 999	0.000E+00 999
25	7.540E+01 999	7.540E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	7.545E+01 999	7.545E+01 999	0.000E+00 999	0.000E+00 999
27	7.549E+01 999	7.549E+01 999	0.000E+00 999	0.000E+00 999
28	7.554E+01 999	7.554E+01 999	0.000E+00 999	0.000E+00 999
29	7.558E+01 999	7.558E+01 999	0.000E+00 999	0.000E+00 999
30	7.563E+01 999	7.563E+01 999	0.000E+00 999	0.000E+00 999
31	7.567E+01 999	7.567E+01 999	0.000E+00 999	0.000E+00 999
32	7.572E+01 999	7.572E+01 999	0.000E+00 999	0.000E+00 999
33	7.576E+01 999	7.576E+01 999	0.000E+00 999	0.000E+00 999
34	7.581E+01 999	7.581E+01 999	0.000E+00 999	0.000E+00 999
35	7.585E+01 999	7.585E+01 999	0.000E+00 999	0.000E+00 999
36	7.590E+01 999	7.590E+01 999	0.000E+00 999	0.000E+00 999
37	7.594E+01 999	7.594E+01 999	0.000E+00 999	0.000E+00 999
38	7.599E+01 999	7.599E+01 999	0.000E+00 999	0.000E+00 999
39	7.603E+01 999	7.603E+01 999	0.000E+00 999	0.000E+00 999
40	7.608E+01 999	7.608E+01 999	0.000E+00 999	0.000E+00 999
41	7.612E+01 999	7.612E+01 999	0.000E+00 999	0.000E+00 999
42	7.617E+01 999	7.617E+01 999	0.000E+00 999	0.000E+00 999
43	7.621E+01 999	7.621E+01 999	0.000E+00 999	0.000E+00 999
44	7.626E+01 999	7.626E+01 999	0.000E+00 999	0.000E+00 999
45	7.630E+01 999	7.630E+01 999	0.000E+00 999	0.000E+00 999
46	7.635E+01 999	7.635E+01 999	0.000E+00 999	0.000E+00 999
47	7.639E+01 999	7.639E+01 999	0.000E+00 999	0.000E+00 999
48	7.644E+01 999	7.644E+01 999	0.000E+00 999	0.000E+00 999
49	7.648E+01 999	7.648E+01 999	0.000E+00 999	0.000E+00 999
50	-2.467E+03 999	-2.467E+03 999	-7.655E+01 999	-7.655E+01 999
51	-2.543E+03 999	-2.543E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED





TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	3.580E+01	0.000E+00	9.669E+02	0.000E+00	-2.429E+03	
0	50	0	8.496E+06	1.110E-01	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
9            Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	9.408E-01		0.000E+00		0.000E+00
0	0.000E+00	9.160E-01	-2.478E-02	4.835E+02	4.835E+02	0.000E+00
1	1.000E+00	8.914E-01	-2.466E-02	1.063E+03	5.193E+02	0.000E+00
2	2.000E+00	8.668E-01	-2.454E-02	1.158E+03	3.597E+01	0.000E+00
3	3.000E+00	8.424E-01	-2.440E-02	1.254E+03	3.608E+01	0.000E+00
4	4.000E+00	8.182E-01	-2.425E-02	1.349E+03	3.619E+01	0.000E+00
5	5.000E+00	7.941E-01	-2.410E-02	1.443E+03	3.630E+01	0.000E+00
6	6.000E+00	7.702E-01	-2.393E-02	1.538E+03	3.641E+01	0.000E+00
7	7.000E+00	7.464E-01	-2.374E-02	1.632E+03	3.652E+01	0.000E+00
8	8.000E+00	7.229E-01	-2.355E-02	1.632E+03	3.663E+01	0.000E+00
9	9.000E+00	6.995E-01	-2.335E-02	1.726E+03	3.674E+01	0.000E+00
10	1.000E+01	6.764E-01	-2.314E-02	1.819E+03	3.685E+01	0.000E+00
11	1.100E+01	6.535E-01	-2.291E-02	1.913E+03	3.697E+01	0.000E+00
12	1.200E+01	6.308E-01	-2.267E-02	2.005E+03	3.708E+01	0.000E+00
13	1.300E+01	6.084E-01	-2.243E-02	2.097E+03	3.719E+01	0.000E+00
14	1.400E+01	5.862E-01	-2.217E-02	2.189E+03	3.730E+01	0.000E+00
15	1.500E+01	5.643E-01	-2.190E-02	2.280E+03	3.741E+01	0.000E+00
16	1.600E+01	5.427E-01	-2.162E-02	2.371E+03	3.752E+01	0.000E+00
17	1.700E+01	5.213E-01	-2.133E-02	2.461E+03	3.763E+01	0.000E+00
18	1.800E+01	5.003E-01	-2.103E-02	2.550E+03	3.774E+01	0.000E+00
19	1.900E+01	4.796E-01	-2.072E-02	2.639E+03	3.785E+01	0.000E+00
20	2.000E+01	4.592E-01	-2.040E-02	2.727E+03	3.796E+01	0.000E+00
21	2.100E+01	4.391E-01	-2.007E-02	2.815E+03	3.808E+01	0.000E+00
				2.901E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	4.194E-01	-1.973E-02	2.988E+03	3.819E+01	0.000E+00
23	2.300E+01	4.000E-01	-1.938E-02	3.073E+03	3.830E+01	0.000E+00
24	2.400E+01	3.810E-01	-1.901E-02	3.158E+03	3.841E+01	0.000E+00
25	2.500E+01	3.624E-01	-1.864E-02	3.241E+03	3.852E+01	0.000E+00
26	2.600E+01	3.441E-01	-1.826E-02	3.324E+03	3.863E+01	0.000E+00
27	2.700E+01	3.262E-01	-1.787E-02	3.406E+03	3.874E+01	0.000E+00
28	2.800E+01	3.088E-01	-1.747E-02	3.488E+03	3.885E+01	0.000E+00
29	2.900E+01	2.917E-01	-1.706E-02	3.568E+03	3.896E+01	0.000E+00
30	3.000E+01	2.751E-01	-1.664E-02	3.648E+03	3.907E+01	0.000E+00
31	3.100E+01	2.589E-01	-1.621E-02	3.726E+03	3.919E+01	0.000E+00
32	3.200E+01	2.431E-01	-1.577E-02	3.804E+03	3.930E+01	0.000E+00
33	3.300E+01	2.278E-01	-1.532E-02	3.880E+03	3.941E+01	0.000E+00
34	3.400E+01	2.129E-01	-1.487E-02	3.956E+03	3.952E+01	0.000E+00
35	3.500E+01	1.985E-01	-1.440E-02	4.031E+03	3.963E+01	0.000E+00
36	3.600E+01	1.846E-01	-1.393E-02	4.104E+03	3.974E+01	0.000E+00
37	3.700E+01	1.711E-01	-1.344E-02	4.177E+03	3.985E+01	0.000E+00
38	3.800E+01	1.582E-01	-1.295E-02	4.248E+03	3.996E+01	0.000E+00
39	3.900E+01	1.457E-01	-1.245E-02	4.318E+03	4.007E+01	0.000E+00
40	4.000E+01	1.338E-01	-1.194E-02	4.388E+03	4.018E+01	0.000E+00
41	4.100E+01	1.223E-01	-1.143E-02	4.456E+03	4.030E+01	0.000E+00
42	4.200E+01	1.114E-01	-1.090E-02	4.523E+03	4.041E+01	0.000E+00
43	4.300E+01	1.011E-01	-1.037E-02	4.588E+03	4.052E+01	0.000E+00
44	4.400E+01	9.125E-02	-9.830E-03	4.653E+03	4.063E+01	0.000E+00
45	4.500E+01	8.196E-02	-9.282E-03	4.716E+03	4.074E+01	0.000E+00
46	4.600E+01	7.324E-02	-8.727E-03	4.778E+03	4.085E+01	0.000E+00
47	4.700E+01	6.507E-02	-8.165E-03	4.839E+03	4.096E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	5.748E-02	-7.595E-03	4.898E+03	4.107E+01	0.000E+00
49	4.900E+01	5.046E-02	-7.019E-03	4.957E+03	4.118E+01	0.000E+00
50	5.000E+01	4.402E-02	-6.435E-03	5.014E+03	4.129E+01	0.000E+00
51	5.100E+01	3.807E-02	-5.951E-03	5.069E+03	4.135E+01	0.000E+00
52	5.200E+01	3.253E-02	-5.537E-03	5.124E+03	4.135E+01	0.000E+00
53	5.300E+01	2.742E-02	-5.117E-03	5.178E+03	4.135E+01	0.000E+00
54	5.400E+01	2.272E-02	-4.694E-03	5.231E+03	4.135E+01	0.000E+00
55	5.500E+01	1.846E-02	-4.265E-03	5.282E+03	4.135E+01	0.000E+00
56	5.600E+01	1.462E-02	-3.833E-03	5.333E+03	4.135E+01	0.000E+00
57	5.700E+01	1.123E-02	-3.397E-03	5.383E+03	4.135E+01	0.000E+00
58	5.800E+01	8.272E-03	-2.956E-03	5.431E+03	4.135E+01	0.000E+00
59	5.900E+01	5.760E-03	-2.512E-03	5.479E+03	4.135E+01	0.000E+00
60	6.000E+01	3.696E-03	-2.064E-03	5.525E+03	4.135E+01	0.000E+00
61	6.100E+01	2.085E-03	-1.611E-03	5.570E+03	4.135E+01	0.000E+00
62	6.200E+01	9.294E-04	-1.156E-03	5.614E+03	4.135E+01	0.000E+00
63	6.300E+01	2.332E-04	-6.962E-04	5.657E+03	4.135E+01	0.000E+00
64	6.400E+01	0.000E+00	-2.332E-04	2.850E+03	-2.808E+03	-4.135E+01
65	6.500E+01	2.332E-04	2.332E-04	0.000E+00	-2.850E+03	0.000E+00

PROB (CONTD)

9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	9.408E-01	999		9.408E-01	0		0.000E+00	999		0.000E+00	999	
0	9.160E-01	999		9.160E-01	0		4.835E+02	999		4.835E+02	999	
1	8.914E-01	0		8.914E-01	999		1.063E+03	999		1.063E+03	999	
2	8.668E-01	0		8.668E-01	999		1.158E+03	999		1.158E+03	999	
3	8.424E-01	0		8.424E-01	999		1.254E+03	999		1.254E+03	999	
4	8.182E-01	999		8.182E-01	0		1.349E+03	999		1.349E+03	999	
5	7.941E-01	0		7.941E-01	999		1.443E+03	999		1.443E+03	999	
6	7.702E-01	999		7.702E-01	0		1.538E+03	999		1.538E+03	999	
7	7.464E-01	999		7.464E-01	0		1.632E+03	999		1.632E+03	999	
8	7.229E-01	0		7.229E-01	999		1.726E+03	999		1.726E+03	999	
9	6.995E-01	999		6.995E-01	0		1.819E+03	999		1.819E+03	999	
10	6.764E-01	999		6.764E-01	0		1.913E+03	999		1.913E+03	999	
11	6.535E-01	0		6.535E-01	999		2.005E+03	999		2.005E+03	999	
12	6.308E-01	999		6.308E-01	0		2.097E+03	999		2.097E+03	999	
13	6.084E-01	0		6.084E-01	999		2.189E+03	999		2.189E+03	999	
14	5.862E-01	0		5.862E-01	999		2.280E+03	999		2.280E+03	999	
15	5.643E-01	999		5.643E-01	0		2.371E+03	999		2.371E+03	999	
16	5.427E-01	0		5.427E-01	999		2.461E+03	999		2.461E+03	999	
17	5.213E-01	0		5.213E-01	999		2.550E+03	999		2.550E+03	999	
18	5.003E-01	999		5.003E-01	0		2.639E+03	999		2.639E+03	999	
19	4.796E-01	999		4.796E-01	0		2.727E+03	999		2.727E+03	999	
20	4.592E-01	0		4.592E-01	999		2.815E+03	999		2.815E+03	999	
21	4.391E-01	0		4.391E-01	999		2.901E+03	999		2.901E+03	999	
22	4.194E-01	0		4.194E-01	999		2.988E+03	999		2.988E+03	999	
23	4.000E-01	0		4.000E-01	999		3.073E+03	999		3.073E+03	999	
24	3.810E-01	999		3.810E-01	0		3.158E+03	999		3.158E+03	999	
25	3.624E-01	999		3.624E-01	0		3.241E+03	999		3.241E+03	999	
26	3.441E-01	999		3.441E-01	0		3.324E+03	999		3.324E+03	999	
27	3.262E-01	0		3.262E-01	999		3.406E+03	999		3.406E+03	999	
28	3.088E-01	0		3.088E-01	999		3.488E+03	999		3.488E+03	999	
29	2.917E-01	0		2.917E-01	999		3.568E+03	999		3.568E+03	999	
30	2.751E-01	999		2.751E-01	0		3.648E+03	999		3.648E+03	999	
31	2.589E-01	0		2.589E-01	999		3.726E+03	999		3.726E+03	999	
32	2.431E-01	0		2.431E-01	999		3.804E+03	999		3.804E+03	999	
33	2.278E-01	0		2.278E-01	999		3.880E+03	999		3.880E+03	999	
34	2.129E-01	0		2.129E-01	999		3.956E+03	999		3.956E+03	999	
35	1.985E-01	999		1.985E-01	0		4.031E+03	999		4.031E+03	999	
36	1.846E-01	999		1.846E-01	0		4.104E+03	999		4.104E+03	999	
37	1.711E-01	999		1.711E-01	0		4.177E+03	999		4.177E+03	999	
38	1.582E-01	999		1.582E-01	0		4.248E+03	999		4.248E+03	999	
39	1.457E-01	999		1.457E-01	0		4.318E+03	999		4.318E+03	999	
40	1.338E-01	0		1.338E-01	999		4.388E+03	999		4.388E+03	999	
41	1.223E-01	0		1.223E-01	999		4.456E+03	999		4.456E+03	999	
42	1.114E-01	0		1.114E-01	999		4.523E+03	999		4.523E+03	999	
43	1.011E-01	999		1.011E-01	0		4.588E+03	999		4.588E+03	999	
44	9.125E-02	999		9.125E-02	0		4.653E+03	999		4.653E+03	999	
45	8.196E-02	0		8.196E-02	999		4.716E+03	999		4.716E+03	999	
46	7.324E-02	0		7.324E-02	999		4.778E+03	999		4.778E+03	999	



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.507E-02		999	6.507E-02		0	4.839E+03		999	4.839E+03		999
48	5.748E-02		999	5.748E-02		0	4.898E+03		999	4.898E+03		999
49	5.046E-02		0	5.046E-02		999	4.957E+03		999	4.957E+03		999
50	4.402E-02		0	4.402E-02		999	5.014E+03		999	5.014E+03		999
51	3.807E-02		0	3.807E-02		999	5.069E+03		999	5.069E+03		999
52	3.253E-02		0	3.253E-02		999	5.124E+03		999	5.124E+03		999
53	2.742E-02		0	2.742E-02		999	5.178E+03		999	5.178E+03		999
54	2.272E-02		0	2.272E-02		999	5.231E+03		999	5.231E+03		999
55	1.846E-02		0	1.846E-02		999	5.282E+03		999	5.282E+03		999
56	1.462E-02		0	1.462E-02		999	5.333E+03		999	5.333E+03		999
57	1.123E-02		999	1.123E-02		0	5.383E+03		999	5.383E+03		999
58	8.272E-03		0	8.272E-03		999	5.431E+03		999	5.431E+03		999
59	5.760E-03		0	5.760E-03		999	5.479E+03		999	5.479E+03		999
60	3.696E-03		0	3.696E-03		999	5.525E+03		999	5.525E+03		999
61	2.085E-03		999	2.085E-03		0	5.570E+03		999	5.570E+03		999
62	9.294E-04		0	9.294E-04		999	5.614E+03		999	5.614E+03		999
63	2.332E-04		999	2.332E-04		0	5.657E+03		999	5.657E+03		999
64	0.000E+00		999	0.000E+00		999	2.850E+03		999	2.850E+03		999
65	2.332E-04		999	2.332E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	4.835E+02 999	4.835E+02 999	0.000E+00 999	0.000E+00 999
0	5.193E+02 999	5.193E+02 999	0.000E+00 999	0.000E+00 999
1	3.597E+01 999	3.597E+01 999	0.000E+00 999	0.000E+00 999
2	3.608E+01 999	3.608E+01 999	0.000E+00 999	0.000E+00 999
3	3.619E+01 999	3.619E+01 999	0.000E+00 999	0.000E+00 999
4	3.630E+01 999	3.630E+01 999	0.000E+00 999	0.000E+00 999
5	3.641E+01 999	3.641E+01 999	0.000E+00 999	0.000E+00 999
6	3.652E+01 999	3.652E+01 999	0.000E+00 999	0.000E+00 999
7	3.663E+01 999	3.663E+01 999	0.000E+00 999	0.000E+00 999
8	3.674E+01 999	3.674E+01 999	0.000E+00 999	0.000E+00 999
9	3.685E+01 999	3.685E+01 999	0.000E+00 999	0.000E+00 999
10	3.697E+01 999	3.697E+01 999	0.000E+00 999	0.000E+00 999
11	3.708E+01 999	3.708E+01 999	0.000E+00 999	0.000E+00 999
12	3.719E+01 999	3.719E+01 999	0.000E+00 999	0.000E+00 999
13	3.730E+01 999	3.730E+01 999	0.000E+00 999	0.000E+00 999
14	3.741E+01 999	3.741E+01 999	0.000E+00 999	0.000E+00 999
15	3.752E+01 999	3.752E+01 999	0.000E+00 999	0.000E+00 999
16	3.763E+01 999	3.763E+01 999	0.000E+00 999	0.000E+00 999
17	3.774E+01 999	3.774E+01 999	0.000E+00 999	0.000E+00 999
18	3.785E+01 999	3.785E+01 999	0.000E+00 999	0.000E+00 999
19	3.796E+01 999	3.796E+01 999	0.000E+00 999	0.000E+00 999
20	3.808E+01 999	3.808E+01 999	0.000E+00 999	0.000E+00 999
21	3.819E+01 999	3.819E+01 999	0.000E+00 999	0.000E+00 999
22	3.830E+01 999	3.830E+01 999	0.000E+00 999	0.000E+00 999
23	3.841E+01 999	3.841E+01 999	0.000E+00 999	0.000E+00 999
24	3.852E+01 999	3.852E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.863E+01 999	3.863E+01 999	0.000E+00 999	0.000E+00 999
27	3.874E+01 999	3.874E+01 999	0.000E+00 999	0.000E+00 999
28	3.885E+01 999	3.885E+01 999	0.000E+00 999	0.000E+00 999
29	3.896E+01 999	3.896E+01 999	0.000E+00 999	0.000E+00 999
30	3.907E+01 999	3.907E+01 999	0.000E+00 999	0.000E+00 999
31	3.919E+01 999	3.919E+01 999	0.000E+00 999	0.000E+00 999
32	3.930E+01 999	3.930E+01 999	0.000E+00 999	0.000E+00 999
33	3.941E+01 999	3.941E+01 999	0.000E+00 999	0.000E+00 999
34	3.952E+01 999	3.952E+01 999	0.000E+00 999	0.000E+00 999
35	3.963E+01 999	3.963E+01 999	0.000E+00 999	0.000E+00 999
36	3.974E+01 999	3.974E+01 999	0.000E+00 999	0.000E+00 999
37	3.985E+01 999	3.985E+01 999	0.000E+00 999	0.000E+00 999
38	3.996E+01 999	3.996E+01 999	0.000E+00 999	0.000E+00 999
39	4.007E+01 999	4.007E+01 999	0.000E+00 999	0.000E+00 999
40	4.018E+01 999	4.018E+01 999	0.000E+00 999	0.000E+00 999
41	4.030E+01 999	4.030E+01 999	0.000E+00 999	0.000E+00 999
42	4.041E+01 999	4.041E+01 999	0.000E+00 999	0.000E+00 999
43	4.052E+01 999	4.052E+01 999	0.000E+00 999	0.000E+00 999
44	4.063E+01 999	4.063E+01 999	0.000E+00 999	0.000E+00 999
45	4.074E+01 999	4.074E+01 999	0.000E+00 999	0.000E+00 999
46	4.085E+01 999	4.085E+01 999	0.000E+00 999	0.000E+00 999
47	4.096E+01 999	4.096E+01 999	0.000E+00 999	0.000E+00 999
48	4.107E+01 999	4.107E+01 999	0.000E+00 999	0.000E+00 999
49	4.118E+01 999	4.118E+01 999	0.000E+00 999	0.000E+00 999
50	4.129E+01 999	4.129E+01 999	0.000E+00 999	0.000E+00 999
51	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
53	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
54	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
55	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
56	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
57	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
58	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
59	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
60	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
61	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
62	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
63	4.135E+01 999	4.135E+01 999	0.000E+00 999	0.000E+00 999
64	-2.808E+03 999	-2.808E+03 999	-4.135E+01 999	-4.135E+01 999
65	-2.850E+03 999	-2.850E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	6.520E+01	0.000E+00	8.921E+02	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	3.200E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM

NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
10                    Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.264E-01		0.000E+00		0.000E+00
0	0.000E+00	1.224E-01	-4.022E-03	4.460E+02	4.460E+02	0.000E+00
1	1.000E+00	1.184E-01	-3.996E-03	9.670E+02	5.113E+02	0.000E+00
2	2.000E+00	1.144E-01	-3.968E-03	1.042E+03	6.525E+01	0.000E+00
3	3.000E+00	1.105E-01	-3.937E-03	1.117E+03	6.528E+01	0.000E+00
4	4.000E+00	1.066E-01	-3.904E-03	1.192E+03	6.531E+01	0.000E+00
5	5.000E+00	1.027E-01	-3.869E-03	1.266E+03	6.534E+01	0.000E+00
6	6.000E+00	9.886E-02	-3.832E-03	1.341E+03	6.538E+01	0.000E+00
7	7.000E+00	9.507E-02	-3.792E-03	1.416E+03	6.541E+01	0.000E+00
8	8.000E+00	9.132E-02	-3.751E-03	1.490E+03	6.544E+01	0.000E+00
9	9.000E+00	8.761E-02	-3.707E-03	1.565E+03	6.547E+01	0.000E+00
10	1.000E+01	8.395E-02	-3.661E-03	1.639E+03	6.550E+01	0.000E+00
11	1.100E+01	8.034E-02	-3.613E-03	1.713E+03	6.554E+01	0.000E+00
12	1.200E+01	7.678E-02	-3.562E-03	1.788E+03	6.557E+01	0.000E+00
13	1.300E+01	7.327E-02	-3.510E-03	1.862E+03	6.560E+01	0.000E+00
14	1.400E+01	6.981E-02	-3.455E-03	1.936E+03	6.563E+01	0.000E+00
15	1.500E+01	6.642E-02	-3.398E-03	2.010E+03	6.566E+01	0.000E+00
16	1.600E+01	6.308E-02	-3.339E-03	2.083E+03	6.570E+01	0.000E+00
17	1.700E+01	5.980E-02	-3.277E-03	2.157E+03	6.573E+01	0.000E+00
18	1.800E+01	5.659E-02	-3.214E-03	2.231E+03	6.576E+01	0.000E+00
19	1.900E+01	5.344E-02	-3.148E-03	2.304E+03	6.579E+01	0.000E+00
20	2.000E+01	5.036E-02	-3.080E-03	2.377E+03	6.582E+01	0.000E+00
21	2.100E+01	4.735E-02	-3.010E-03	2.451E+03	6.586E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	4.441E-02	-2.938E-03	2.524E+03	6.589E+01	0.000E+00
23	2.300E+01	4.155E-02	-2.864E-03	2.596E+03	6.592E+01	0.000E+00
24	2.400E+01	3.876E-02	-2.788E-03	2.669E+03	6.595E+01	0.000E+00
25	2.500E+01	3.605E-02	-2.709E-03	2.742E+03	6.598E+01	0.000E+00
26	2.600E+01	3.342E-02	-2.628E-03	2.814E+03	6.602E+01	0.000E+00
27	2.700E+01	3.087E-02	-2.546E-03	2.886E+03	6.605E+01	0.000E+00
28	2.800E+01	2.841E-02	-2.461E-03	2.958E+03	6.608E+01	0.000E+00
29	2.900E+01	2.604E-02	-2.374E-03	3.030E+03	6.611E+01	0.000E+00
30	3.000E+01	2.376E-02	-2.284E-03	3.102E+03	6.614E+01	0.000E+00
31	3.100E+01	2.156E-02	-2.193E-03	3.174E+03	6.618E+01	0.000E+00
32	3.200E+01	1.946E-02	-2.100E-03	3.245E+03	6.621E+01	0.000E+00
33	3.300E+01	1.746E-02	-2.004E-03	3.316E+03	6.624E+01	0.000E+00
34	3.400E+01	1.555E-02	-1.907E-03	3.387E+03	6.627E+01	0.000E+00
35	3.500E+01	1.375E-02	-1.807E-03	3.458E+03	6.630E+01	0.000E+00
36	3.600E+01	1.204E-02	-1.705E-03	3.528E+03	6.634E+01	0.000E+00
37	3.700E+01	1.044E-02	-1.601E-03	3.598E+03	6.637E+01	0.000E+00
38	3.800E+01	8.943E-03	-1.495E-03	3.668E+03	6.640E+01	0.000E+00
39	3.900E+01	7.556E-03	-1.388E-03	3.738E+03	6.643E+01	0.000E+00
40	4.000E+01	6.278E-03	-1.278E-03	3.808E+03	6.646E+01	0.000E+00
41	4.100E+01	5.113E-03	-1.165E-03	3.877E+03	6.650E+01	0.000E+00
42	4.200E+01	4.061E-03	-1.051E-03	3.946E+03	6.653E+01	0.000E+00
43	4.300E+01	3.126E-03	-9.352E-04	4.015E+03	6.656E+01	0.000E+00
44	4.400E+01	2.309E-03	-8.171E-04	4.083E+03	6.659E+01	0.000E+00
45	4.500E+01	1.612E-03	-6.969E-04	4.152E+03	6.662E+01	0.000E+00
46	4.600E+01	1.037E-03	-5.747E-04	4.220E+03	6.666E+01	0.000E+00
47	4.700E+01	5.866E-04	-4.506E-04	4.288E+03	6.669E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.623E-04	-3.244E-04	4.355E+03	6.672E+01	0.000E+00
49	4.900E+01	6.606E-05	-1.962E-04	4.422E+03	6.675E+01	0.000E+00
50	5.000E+01	0.000E+00	-6.606E-05	2.245E+03	-2.178E+03	-6.680E+01
51	5.100E+01	6.606E-05	6.606E-05	0.000E+00	-2.245E+03	0.000E+00

PROB (CONTD)

10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.264E-01	999		1.264E-01	0		0.000E+00	999		0.000E+00	999	
0	1.224E-01	0		1.224E-01	999		4.460E+02	999		4.460E+02	999	
1	1.184E-01	0		1.184E-01	999		9.670E+02	999		9.670E+02	999	
2	1.144E-01	0		1.144E-01	999		1.042E+03	999		1.042E+03	999	
3	1.105E-01	0		1.105E-01	999		1.117E+03	999		1.117E+03	999	
4	1.066E-01	0		1.066E-01	999		1.192E+03	999		1.192E+03	999	
5	1.027E-01	0		1.027E-01	999		1.266E+03	999		1.266E+03	999	
6	9.886E-02	999		9.886E-02	0		1.341E+03	999		1.341E+03	999	
7	9.507E-02	999		9.507E-02	0		1.416E+03	999		1.416E+03	999	
8	9.132E-02	0		9.132E-02	999		1.490E+03	999		1.490E+03	999	
9	8.761E-02	0		8.761E-02	999		1.565E+03	999		1.565E+03	999	
10	8.395E-02	999		8.395E-02	0		1.639E+03	999		1.639E+03	999	
11	8.034E-02	0		8.034E-02	999		1.713E+03	999		1.713E+03	999	
12	7.678E-02	999		7.678E-02	0		1.788E+03	999		1.788E+03	999	
13	7.327E-02	0		7.327E-02	999		1.862E+03	999		1.862E+03	999	
14	6.981E-02	999		6.981E-02	0		1.936E+03	999		1.936E+03	999	
15	6.642E-02	0		6.642E-02	999		2.010E+03	999		2.010E+03	999	
16	6.308E-02	0		6.308E-02	999		2.083E+03	999		2.083E+03	999	
17	5.980E-02	0		5.980E-02	999		2.157E+03	999		2.157E+03	999	
18	5.659E-02	999		5.659E-02	0		2.231E+03	999		2.231E+03	999	
19	5.344E-02	0		5.344E-02	999		2.304E+03	999		2.304E+03	999	
20	5.036E-02	0		5.036E-02	999		2.377E+03	999		2.377E+03	999	
21	4.735E-02	0		4.735E-02	999		2.451E+03	999		2.451E+03	999	
22	4.441E-02	999		4.441E-02	0		2.524E+03	999		2.524E+03	999	
23	4.155E-02	0		4.155E-02	999		2.596E+03	999		2.596E+03	999	
24	3.876E-02	0		3.876E-02	999		2.669E+03	999		2.669E+03	999	
25	3.605E-02	999		3.605E-02	0		2.742E+03	999		2.742E+03	999	
26	3.342E-02	0		3.342E-02	999		2.814E+03	999		2.814E+03	999	
27	3.087E-02	0		3.087E-02	999		2.886E+03	999		2.886E+03	999	
28	2.841E-02	0		2.841E-02	999		2.958E+03	999		2.958E+03	999	
29	2.604E-02	999		2.604E-02	0		3.030E+03	999		3.030E+03	999	
30	2.376E-02	999		2.376E-02	0		3.102E+03	999		3.102E+03	999	
31	2.156E-02	999		2.156E-02	0		3.174E+03	999		3.174E+03	999	
32	1.946E-02	0		1.946E-02	999		3.245E+03	999		3.245E+03	999	
33	1.746E-02	999		1.746E-02	0		3.316E+03	999		3.316E+03	999	
34	1.555E-02	999		1.555E-02	0		3.387E+03	999		3.387E+03	999	
35	1.375E-02	999		1.375E-02	0		3.458E+03	999		3.458E+03	999	
36	1.204E-02	999		1.204E-02	0		3.528E+03	999		3.528E+03	999	
37	1.044E-02	999		1.044E-02	0		3.598E+03	999		3.598E+03	999	
38	8.943E-03	0		8.943E-03	999		3.668E+03	999		3.668E+03	999	
39	7.556E-03	0		7.556E-03	999		3.738E+03	999		3.738E+03	999	
40	6.278E-03	0		6.278E-03	999		3.808E+03	999		3.808E+03	999	
41	5.113E-03	0		5.113E-03	999		3.877E+03	999		3.877E+03	999	
42	4.061E-03	999		4.061E-03	0		3.946E+03	999		3.946E+03	999	
43	3.126E-03	0		3.126E-03	999		4.015E+03	999		4.015E+03	999	
44	2.309E-03	999		2.309E-03	0		4.083E+03	999		4.083E+03	999	
45	1.612E-03	999		1.612E-03	0		4.152E+03	999		4.152E+03	999	
46	1.037E-03	0		1.037E-03	999		4.220E+03	999		4.220E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	5.866E-04	999		5.866E-04	0		4.288E+03	999		4.288E+03	999	
48	2.623E-04	0		2.623E-04	999		4.355E+03	999		4.355E+03	999	
49	6.606E-05	999		6.606E-05	0		4.422E+03	999		4.422E+03	999	
50	0.000E+00	999		0.000E+00	999		2.245E+03	999		2.245E+03	999	
51	6.606E-05	999		6.606E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	4.460E+02 999	4.460E+02 999	0.000E+00 999	0.000E+00 999
0	5.113E+02 999	5.113E+02 999	0.000E+00 999	0.000E+00 999
1	6.525E+01 999	6.525E+01 999	0.000E+00 999	0.000E+00 999
2	6.528E+01 999	6.528E+01 999	0.000E+00 999	0.000E+00 999
3	6.531E+01 999	6.531E+01 999	0.000E+00 999	0.000E+00 999
4	6.534E+01 999	6.534E+01 999	0.000E+00 999	0.000E+00 999
5	6.538E+01 999	6.538E+01 999	0.000E+00 999	0.000E+00 999
6	6.541E+01 999	6.541E+01 999	0.000E+00 999	0.000E+00 999
7	6.544E+01 999	6.544E+01 999	0.000E+00 999	0.000E+00 999
8	6.547E+01 999	6.547E+01 999	0.000E+00 999	0.000E+00 999
9	6.550E+01 999	6.550E+01 999	0.000E+00 999	0.000E+00 999
10	6.554E+01 999	6.554E+01 999	0.000E+00 999	0.000E+00 999
11	6.557E+01 999	6.557E+01 999	0.000E+00 999	0.000E+00 999
12	6.560E+01 999	6.560E+01 999	0.000E+00 999	0.000E+00 999
13	6.563E+01 999	6.563E+01 999	0.000E+00 999	0.000E+00 999
14	6.566E+01 999	6.566E+01 999	0.000E+00 999	0.000E+00 999
15	6.570E+01 999	6.570E+01 999	0.000E+00 999	0.000E+00 999
16	6.573E+01 999	6.573E+01 999	0.000E+00 999	0.000E+00 999
17	6.576E+01 999	6.576E+01 999	0.000E+00 999	0.000E+00 999
18	6.579E+01 999	6.579E+01 999	0.000E+00 999	0.000E+00 999
19	6.582E+01 999	6.582E+01 999	0.000E+00 999	0.000E+00 999
20	6.586E+01 999	6.586E+01 999	0.000E+00 999	0.000E+00 999
21	6.589E+01 999	6.589E+01 999	0.000E+00 999	0.000E+00 999
22	6.592E+01 999	6.592E+01 999	0.000E+00 999	0.000E+00 999
23	6.595E+01 999	6.595E+01 999	0.000E+00 999	0.000E+00 999
24	6.598E+01 999	6.598E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.602E+01 999	6.602E+01 999	0.000E+00 999	0.000E+00 999
27	6.605E+01 999	6.605E+01 999	0.000E+00 999	0.000E+00 999
28	6.608E+01 999	6.608E+01 999	0.000E+00 999	0.000E+00 999
29	6.611E+01 999	6.611E+01 999	0.000E+00 999	0.000E+00 999
30	6.614E+01 999	6.614E+01 999	0.000E+00 999	0.000E+00 999
31	6.618E+01 999	6.618E+01 999	0.000E+00 999	0.000E+00 999
32	6.621E+01 999	6.621E+01 999	0.000E+00 999	0.000E+00 999
33	6.624E+01 999	6.624E+01 999	0.000E+00 999	0.000E+00 999
34	6.627E+01 999	6.627E+01 999	0.000E+00 999	0.000E+00 999
35	6.630E+01 999	6.630E+01 999	0.000E+00 999	0.000E+00 999
36	6.634E+01 999	6.634E+01 999	0.000E+00 999	0.000E+00 999
37	6.637E+01 999	6.637E+01 999	0.000E+00 999	0.000E+00 999
38	6.640E+01 999	6.640E+01 999	0.000E+00 999	0.000E+00 999
39	6.643E+01 999	6.643E+01 999	0.000E+00 999	0.000E+00 999
40	6.646E+01 999	6.646E+01 999	0.000E+00 999	0.000E+00 999
41	6.650E+01 999	6.650E+01 999	0.000E+00 999	0.000E+00 999
42	6.653E+01 999	6.653E+01 999	0.000E+00 999	0.000E+00 999
43	6.656E+01 999	6.656E+01 999	0.000E+00 999	0.000E+00 999
44	6.659E+01 999	6.659E+01 999	0.000E+00 999	0.000E+00 999
45	6.662E+01 999	6.662E+01 999	0.000E+00 999	0.000E+00 999
46	6.666E+01 999	6.666E+01 999	0.000E+00 999	0.000E+00 999
47	6.669E+01 999	6.669E+01 999	0.000E+00 999	0.000E+00 999
48	6.672E+01 999	6.672E+01 999	0.000E+00 999	0.000E+00 999
49	6.675E+01 999	6.675E+01 999	0.000E+00 999	0.000E+00 999
50	-2.178E+03 999	-2.178E+03 999	-6.680E+01 999	-6.680E+01 999
51	-2.245E+03 999	-2.245E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.130E+01	0.000E+00	4.454E+02	0.000E+00	-1.577E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
11        Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.708E-01		0.000E+00		0.000E+00
0	0.000E+00	2.634E-01	-7.408E-03	2.227E+02	2.227E+02	0.000E+00
1	1.000E+00	2.560E-01	-7.355E-03	4.683E+02	2.340E+02	0.000E+00
2	2.000E+00	2.487E-01	-7.300E-03	4.911E+02	1.130E+01	0.000E+00
3	3.000E+00	2.415E-01	-7.243E-03	5.138E+02	1.130E+01	0.000E+00
4	4.000E+00	2.343E-01	-7.182E-03	5.365E+02	1.130E+01	0.000E+00
5	5.000E+00	2.272E-01	-7.119E-03	5.590E+02	1.130E+01	0.000E+00
6	6.000E+00	2.201E-01	-7.053E-03	5.814E+02	1.130E+01	0.000E+00
7	7.000E+00	2.131E-01	-6.985E-03	6.037E+02	1.130E+01	0.000E+00
8	8.000E+00	2.062E-01	-6.914E-03	6.259E+02	1.130E+01	0.000E+00
9	9.000E+00	1.994E-01	-6.840E-03	6.480E+02	1.130E+01	0.000E+00
10	1.000E+01	1.926E-01	-6.764E-03	6.700E+02	1.130E+01	0.000E+00
11	1.100E+01	1.859E-01	-6.685E-03	6.918E+02	1.130E+01	0.000E+00
12	1.200E+01	1.793E-01	-6.603E-03	7.135E+02	1.130E+01	0.000E+00
13	1.300E+01	1.728E-01	-6.519E-03	7.351E+02	1.130E+01	0.000E+00
14	1.400E+01	1.664E-01	-6.433E-03	7.565E+02	1.130E+01	0.000E+00
15	1.500E+01	1.600E-01	-6.344E-03	7.778E+02	1.130E+01	0.000E+00
16	1.600E+01	1.538E-01	-6.252E-03	7.990E+02	1.130E+01	0.000E+00
17	1.700E+01	1.476E-01	-6.158E-03	8.200E+02	1.130E+01	0.000E+00
18	1.800E+01	1.416E-01	-6.062E-03	8.409E+02	1.130E+01	0.000E+00
19	1.900E+01	1.356E-01	-5.963E-03	8.616E+02	1.130E+01	0.000E+00
20	2.000E+01	1.297E-01	-5.861E-03	8.821E+02	1.130E+01	0.000E+00
21	2.100E+01	1.240E-01	-5.758E-03	9.025E+02	1.130E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.183E-01	-5.651E-03	9.227E+02	1.130E+01	0.000E+00
23	2.300E+01	1.128E-01	-5.543E-03	9.427E+02	1.130E+01	0.000E+00
24	2.400E+01	1.073E-01	-5.432E-03	9.626E+02	1.130E+01	0.000E+00
25	2.500E+01	1.020E-01	-5.318E-03	9.823E+02	1.130E+01	0.000E+00
26	2.600E+01	9.682E-02	-5.203E-03	1.002E+03	1.130E+01	0.000E+00
27	2.700E+01	9.174E-02	-5.085E-03	1.021E+03	1.130E+01	0.000E+00
28	2.800E+01	8.677E-02	-4.965E-03	1.040E+03	1.130E+01	0.000E+00
29	2.900E+01	8.193E-02	-4.842E-03	1.059E+03	1.130E+01	0.000E+00
30	3.000E+01	7.721E-02	-4.718E-03	1.078E+03	1.130E+01	0.000E+00
31	3.100E+01	7.262E-02	-4.591E-03	1.096E+03	1.130E+01	0.000E+00
32	3.200E+01	6.816E-02	-4.462E-03	1.115E+03	1.130E+01	0.000E+00
33	3.300E+01	6.383E-02	-4.330E-03	1.133E+03	1.130E+01	0.000E+00
34	3.400E+01	5.963E-02	-4.197E-03	1.151E+03	1.130E+01	0.000E+00
35	3.500E+01	5.557E-02	-4.062E-03	1.169E+03	1.130E+01	0.000E+00
36	3.600E+01	5.165E-02	-3.924E-03	1.186E+03	1.130E+01	0.000E+00
37	3.700E+01	4.786E-02	-3.785E-03	1.203E+03	1.130E+01	0.000E+00
38	3.800E+01	4.422E-02	-3.643E-03	1.220E+03	1.130E+01	0.000E+00
39	3.900E+01	4.072E-02	-3.499E-03	1.237E+03	1.130E+01	0.000E+00
40	4.000E+01	3.737E-02	-3.354E-03	1.254E+03	1.130E+01	0.000E+00
41	4.100E+01	3.416E-02	-3.206E-03	1.270E+03	1.130E+01	0.000E+00
42	4.200E+01	3.110E-02	-3.057E-03	1.286E+03	1.130E+01	0.000E+00
43	4.300E+01	2.820E-02	-2.905E-03	1.302E+03	1.130E+01	0.000E+00
44	4.400E+01	2.545E-02	-2.752E-03	1.318E+03	1.130E+01	0.000E+00
45	4.500E+01	2.285E-02	-2.597E-03	1.333E+03	1.130E+01	0.000E+00
46	4.600E+01	2.041E-02	-2.440E-03	1.348E+03	1.130E+01	0.000E+00
47	4.700E+01	1.813E-02	-2.281E-03	1.363E+03	1.130E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.601E-02	-2.121E-03	1.378E+03	1.130E+01	0.000E+00
49	4.900E+01	1.405E-02	-1.959E-03	1.392E+03	1.130E+01	0.000E+00
50	5.000E+01	1.226E-02	-1.795E-03	1.406E+03	1.130E+01	0.000E+00
51	5.100E+01	1.060E-02	-1.659E-03	1.420E+03	1.130E+01	0.000E+00
52	5.200E+01	9.054E-03	-1.543E-03	1.434E+03	1.130E+01	0.000E+00
53	5.300E+01	7.628E-03	-1.425E-03	1.448E+03	1.130E+01	0.000E+00
54	5.400E+01	6.321E-03	-1.307E-03	1.461E+03	1.130E+01	0.000E+00
55	5.500E+01	5.134E-03	-1.187E-03	1.474E+03	1.130E+01	0.000E+00
56	5.600E+01	4.067E-03	-1.067E-03	1.487E+03	1.130E+01	0.000E+00
57	5.700E+01	3.122E-03	-9.451E-04	1.500E+03	1.130E+01	0.000E+00
58	5.800E+01	2.300E-03	-8.223E-04	1.512E+03	1.130E+01	0.000E+00
59	5.900E+01	1.601E-03	-6.985E-04	1.525E+03	1.130E+01	0.000E+00
60	6.000E+01	1.027E-03	-5.738E-04	1.537E+03	1.130E+01	0.000E+00
61	6.100E+01	5.795E-04	-4.480E-04	1.549E+03	1.130E+01	0.000E+00
62	6.200E+01	2.583E-04	-3.212E-04	1.561E+03	1.130E+01	0.000E+00
63	6.300E+01	6.481E-05	-1.935E-04	1.572E+03	1.130E+01	0.000E+00
64	6.400E+01	0.000E+00	-6.481E-05	7.919E+02	-7.806E+02	-1.130E+01
65	6.500E+01	6.481E-05	6.481E-05	0.000E+00	-7.919E+02	0.000E+00

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11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.708E-01		0	2.708E-01		999	0.000E+00		999	0.000E+00		999
0	2.634E-01		0	2.634E-01		999	2.227E+02		999	2.227E+02		999
1	2.560E-01		0	2.560E-01		999	4.683E+02		999	4.683E+02		999
2	2.487E-01		0	2.487E-01		999	4.911E+02		999	4.911E+02		999
3	2.415E-01		999	2.415E-01		0	5.138E+02		999	5.138E+02		999
4	2.343E-01		999	2.343E-01		0	5.365E+02		999	5.365E+02		999
5	2.272E-01		0	2.272E-01		999	5.590E+02		999	5.590E+02		999
6	2.201E-01		0	2.201E-01		999	5.814E+02		999	5.814E+02		999
7	2.131E-01		999	2.131E-01		0	6.037E+02		999	6.037E+02		999
8	2.062E-01		999	2.062E-01		0	6.259E+02		999	6.259E+02		999
9	1.994E-01		999	1.994E-01		0	6.480E+02		999	6.480E+02		999
10	1.926E-01		0	1.926E-01		999	6.700E+02		999	6.700E+02		999
11	1.859E-01		999	1.859E-01		0	6.918E+02		999	6.918E+02		999
12	1.793E-01		999	1.793E-01		0	7.135E+02		999	7.135E+02		999
13	1.728E-01		999	1.728E-01		0	7.351E+02		999	7.351E+02		999
14	1.664E-01		999	1.664E-01		0	7.565E+02		999	7.565E+02		999
15	1.600E-01		0	1.600E-01		999	7.778E+02		999	7.778E+02		999
16	1.538E-01		999	1.538E-01		0	7.990E+02		999	7.990E+02		999
17	1.476E-01		0	1.476E-01		999	8.200E+02		999	8.200E+02		999
18	1.416E-01		999	1.416E-01		0	8.409E+02		999	8.409E+02		999
19	1.356E-01		999	1.356E-01		0	8.616E+02		999	8.616E+02		999
20	1.297E-01		999	1.297E-01		0	8.821E+02		999	8.821E+02		999
21	1.240E-01		999	1.240E-01		0	9.025E+02		999	9.025E+02		999
22	1.183E-01		999	1.183E-01		0	9.227E+02		999	9.227E+02		999
23	1.128E-01		999	1.128E-01		0	9.427E+02		999	9.427E+02		999
24	1.073E-01		999	1.073E-01		0	9.626E+02		999	9.626E+02		999
25	1.020E-01		0	1.020E-01		999	9.823E+02		999	9.823E+02		999
26	9.682E-02		999	9.682E-02		0	1.002E+03		999	1.002E+03		999
27	9.174E-02		0	9.174E-02		999	1.021E+03		999	1.021E+03		999
28	8.677E-02		0	8.677E-02		999	1.040E+03		999	1.040E+03		999
29	8.193E-02		999	8.193E-02		0	1.059E+03		999	1.059E+03		999
30	7.721E-02		999	7.721E-02		0	1.078E+03		999	1.078E+03		999
31	7.262E-02		999	7.262E-02		0	1.096E+03		999	1.096E+03		999
32	6.816E-02		0	6.816E-02		999	1.115E+03		999	1.115E+03		999
33	6.383E-02		999	6.383E-02		0	1.133E+03		999	1.133E+03		999
34	5.963E-02		999	5.963E-02		0	1.151E+03		999	1.151E+03		999
35	5.557E-02		999	5.557E-02		0	1.169E+03		999	1.169E+03		999
36	5.165E-02		999	5.165E-02		0	1.186E+03		999	1.186E+03		999
37	4.786E-02		0	4.786E-02		999	1.203E+03		999	1.203E+03		999
38	4.422E-02		999	4.422E-02		0	1.220E+03		999	1.220E+03		999
39	4.072E-02		0	4.072E-02		999	1.237E+03		999	1.237E+03		999
40	3.737E-02		999	3.737E-02		0	1.254E+03		999	1.254E+03		999
41	3.416E-02		999	3.416E-02		0	1.270E+03		999	1.270E+03		999
42	3.110E-02		999	3.110E-02		0	1.286E+03		999	1.286E+03		999
43	2.820E-02		0	2.820E-02		999	1.302E+03		999	1.302E+03		999
44	2.545E-02		0	2.545E-02		999	1.318E+03		999	1.318E+03		999
45	2.285E-02		0	2.285E-02		999	1.333E+03		999	1.333E+03		999
46	2.041E-02		999	2.041E-02		0	1.348E+03		999	1.348E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	1.813E-02		0	1.813E-02		999	1.363E+03		999	1.363E+03		999
48	1.601E-02		0	1.601E-02		999	1.378E+03		999	1.378E+03		999
49	1.405E-02		0	1.405E-02		999	1.392E+03		999	1.392E+03		999
50	1.226E-02		0	1.226E-02		999	1.406E+03		999	1.406E+03		999
51	1.060E-02		0	1.060E-02		999	1.420E+03		999	1.420E+03		999
52	9.054E-03		0	9.054E-03		999	1.434E+03		999	1.434E+03		999
53	7.628E-03		0	7.628E-03		999	1.448E+03		999	1.448E+03		999
54	6.321E-03		999	6.321E-03		0	1.461E+03		999	1.461E+03		999
55	5.134E-03		999	5.134E-03		0	1.474E+03		999	1.474E+03		999
56	4.067E-03		0	4.067E-03		999	1.487E+03		999	1.487E+03		999
57	3.122E-03		0	3.122E-03		999	1.500E+03		999	1.500E+03		999
58	2.300E-03		0	2.300E-03		999	1.512E+03		999	1.512E+03		999
59	1.601E-03		999	1.601E-03		0	1.525E+03		999	1.525E+03		999
60	1.027E-03		0	1.027E-03		999	1.537E+03		999	1.537E+03		999
61	5.795E-04		999	5.795E-04		0	1.549E+03		999	1.549E+03		999
62	2.583E-04		0	2.583E-04		999	1.561E+03		999	1.561E+03		999
63	6.481E-05		999	6.481E-05		0	1.572E+03		999	1.572E+03		999
64	0.000E+00		999	0.000E+00		999	7.919E+02		999	7.919E+02		999
65	6.481E-05		999	6.481E-05		0	0.000E+00		999	0.000E+00		999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	2.227E+02 999	2.227E+02 999	0.000E+00 999	0.000E+00 999
0	2.340E+02 999	2.340E+02 999	0.000E+00 999	0.000E+00 999
1	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
2	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
3	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
4	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
5	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
6	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
7	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
8	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
9	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
10	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
11	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
12	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
13	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
14	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
15	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
16	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
17	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
18	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
19	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
20	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
21	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
22	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
23	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
24	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
25	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
27	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
28	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
29	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
30	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
31	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
32	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
33	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
34	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
35	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
36	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
37	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
38	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
39	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
40	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
41	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
42	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
43	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
44	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
45	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
46	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
47	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
48	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
49	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
50	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
51	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
53	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
54	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
55	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
56	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
57	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
58	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
59	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
60	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
61	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
62	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
63	1.130E+01 999	1.130E+01 999	0.000E+00 999	0.000E+00 999
64	-7.806E+02 999	-7.806E+02 999	-1.130E+01 999	-1.130E+01 999
65	-7.919E+02 999	-7.919E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.450E+01	0.000E+00	3.935E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	6.400E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
 NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
                          Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 12                    Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.320E-01		0.000E+00		0.000E+00
0	0.000E+00	2.237E-01	-8.231E-03	1.968E+03	1.968E+03	0.000E+00
1	1.000E+00	2.156E-01	-8.115E-03	4.002E+03	2.022E+03	0.000E+00
2	2.000E+00	2.076E-01	-7.997E-03	4.070E+03	5.460E+01	0.000E+00
3	3.000E+00	1.998E-01	-7.878E-03	4.137E+03	5.466E+01	0.000E+00
4	4.000E+00	1.920E-01	-7.756E-03	4.204E+03	5.472E+01	0.000E+00
5	5.000E+00	1.844E-01	-7.632E-03	4.270E+03	5.479E+01	0.000E+00
6	6.000E+00	1.769E-01	-7.506E-03	4.337E+03	5.485E+01	0.000E+00
7	7.000E+00	1.695E-01	-7.379E-03	4.404E+03	5.492E+01	0.000E+00
8	8.000E+00	1.622E-01	-7.249E-03	4.470E+03	5.498E+01	0.000E+00
9	9.000E+00	1.551E-01	-7.118E-03	4.536E+03	5.504E+01	0.000E+00
10	1.000E+01	1.481E-01	-6.984E-03	4.603E+03	5.511E+01	0.000E+00
11	1.100E+01	1.413E-01	-6.849E-03	4.669E+03	5.517E+01	0.000E+00
12	1.200E+01	1.346E-01	-6.711E-03	4.734E+03	5.524E+01	0.000E+00
13	1.300E+01	1.280E-01	-6.572E-03	4.800E+03	5.530E+01	0.000E+00
14	1.400E+01	1.216E-01	-6.431E-03	4.865E+03	5.536E+01	0.000E+00
15	1.500E+01	1.153E-01	-6.288E-03	4.931E+03	5.543E+01	0.000E+00
16	1.600E+01	1.091E-01	-6.142E-03	4.996E+03	5.549E+01	0.000E+00
17	1.700E+01	1.031E-01	-5.995E-03	5.061E+03	5.556E+01	0.000E+00
18	1.800E+01	9.729E-02	-5.847E-03	5.126E+03	5.562E+01	0.000E+00
19	1.900E+01	9.160E-02	-5.696E-03	5.191E+03	5.568E+01	0.000E+00
20	2.000E+01	8.605E-02	-5.543E-03	5.255E+03	5.575E+01	0.000E+00
21	2.100E+01	8.066E-02	-5.388E-03	5.319E+03	5.581E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	7.543E-02	-5.232E-03	5.383E+03	5.588E+01	0.000E+00
23	2.300E+01	7.036E-02	-5.073E-03	5.447E+03	5.594E+01	0.000E+00
24	2.400E+01	6.545E-02	-4.913E-03	5.511E+03	5.600E+01	0.000E+00
25	2.500E+01	6.070E-02	-4.751E-03	5.575E+03	5.607E+01	0.000E+00
26	2.600E+01	5.611E-02	-4.587E-03	5.638E+03	5.613E+01	0.000E+00
27	2.700E+01	5.169E-02	-4.421E-03	5.701E+03	5.620E+01	0.000E+00
28	2.800E+01	4.743E-02	-4.253E-03	5.764E+03	5.626E+01	0.000E+00
29	2.900E+01	4.335E-02	-4.083E-03	5.827E+03	5.632E+01	0.000E+00
30	3.000E+01	3.944E-02	-3.912E-03	5.890E+03	5.639E+01	0.000E+00
31	3.100E+01	3.570E-02	-3.739E-03	5.952E+03	5.645E+01	0.000E+00
32	3.200E+01	3.214E-02	-3.563E-03	6.014E+03	5.652E+01	0.000E+00
33	3.300E+01	2.875E-02	-3.386E-03	6.076E+03	5.658E+01	0.000E+00
34	3.400E+01	2.554E-02	-3.208E-03	6.138E+03	5.664E+01	0.000E+00
35	3.500E+01	2.252E-02	-3.027E-03	6.199E+03	5.671E+01	0.000E+00
36	3.600E+01	1.967E-02	-2.845E-03	6.260E+03	5.677E+01	0.000E+00
37	3.700E+01	1.701E-02	-2.660E-03	6.321E+03	5.684E+01	0.000E+00
38	3.800E+01	1.454E-02	-2.474E-03	6.382E+03	5.690E+01	0.000E+00
39	3.900E+01	1.225E-02	-2.286E-03	6.443E+03	5.696E+01	0.000E+00
40	4.000E+01	1.015E-02	-2.097E-03	6.503E+03	5.703E+01	0.000E+00
41	4.100E+01	8.248E-03	-1.906E-03	6.563E+03	5.709E+01	0.000E+00
42	4.200E+01	6.536E-03	-1.712E-03	6.623E+03	5.716E+01	0.000E+00
43	4.300E+01	5.018E-03	-1.517E-03	6.683E+03	5.722E+01	0.000E+00
44	4.400E+01	3.697E-03	-1.321E-03	6.742E+03	5.728E+01	0.000E+00
45	4.500E+01	2.575E-03	-1.122E-03	6.801E+03	5.735E+01	0.000E+00
46	4.600E+01	1.653E-03	-9.222E-04	6.860E+03	5.741E+01	0.000E+00
47	4.700E+01	9.325E-04	-7.203E-04	6.919E+03	5.748E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	4.158E-04	-5.167E-04	6.977E+03	5.754E+01	0.000E+00
49	4.900E+01	1.044E-04	-3.114E-04	7.035E+03	5.760E+01	0.000E+00
50	5.000E+01	0.000E+00	-1.044E-04	3.546E+03	-3.489E+03	-5.770E+01
51	5.100E+01	1.044E-04	1.044E-04	0.000E+00	-3.546E+03	0.000E+00

PROB (CONTD)

12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.320E-01		0	2.320E-01		999	0.000E+00		999	0.000E+00		999
0	2.237E-01		999	2.237E-01		0	1.968E+03		999	1.968E+03		999
1	2.156E-01		0	2.156E-01		999	4.002E+03		999	4.002E+03		999
2	2.076E-01		999	2.076E-01		0	4.070E+03		999	4.070E+03		999
3	1.998E-01		999	1.998E-01		0	4.137E+03		999	4.137E+03		999
4	1.920E-01		0	1.920E-01		999	4.204E+03		999	4.204E+03		999
5	1.844E-01		0	1.844E-01		999	4.270E+03		999	4.270E+03		999
6	1.769E-01		999	1.769E-01		0	4.337E+03		999	4.337E+03		999
7	1.695E-01		0	1.695E-01		999	4.404E+03		999	4.404E+03		999
8	1.622E-01		999	1.622E-01		0	4.470E+03		999	4.470E+03		999
9	1.551E-01		999	1.551E-01		0	4.536E+03		999	4.536E+03		999
10	1.481E-01		999	1.481E-01		0	4.603E+03		999	4.603E+03		999
11	1.413E-01		999	1.413E-01		0	4.669E+03		999	4.669E+03		999
12	1.346E-01		999	1.346E-01		0	4.734E+03		999	4.734E+03		999
13	1.280E-01		999	1.280E-01		0	4.800E+03		999	4.800E+03		999
14	1.216E-01		0	1.216E-01		999	4.865E+03		999	4.865E+03		999
15	1.153E-01		0	1.153E-01		999	4.931E+03		999	4.931E+03		999
16	1.091E-01		999	1.091E-01		0	4.996E+03		999	4.996E+03		999
17	1.031E-01		999	1.031E-01		0	5.061E+03		999	5.061E+03		999
18	9.729E-02		999	9.729E-02		0	5.126E+03		999	5.126E+03		999
19	9.160E-02		999	9.160E-02		0	5.191E+03		999	5.191E+03		999
20	8.605E-02		0	8.605E-02		999	5.255E+03		999	5.255E+03		999
21	8.066E-02		0	8.066E-02		999	5.319E+03		999	5.319E+03		999
22	7.543E-02		0	7.543E-02		999	5.383E+03		999	5.383E+03		999
23	7.036E-02		999	7.036E-02		0	5.447E+03		999	5.447E+03		999
24	6.545E-02		0	6.545E-02		999	5.511E+03		999	5.511E+03		999
25	6.070E-02		0	6.070E-02		999	5.575E+03		999	5.575E+03		999
26	5.611E-02		0	5.611E-02		999	5.638E+03		999	5.638E+03		999
27	5.169E-02		999	5.169E-02		0	5.701E+03		999	5.701E+03		999
28	4.743E-02		999	4.743E-02		0	5.764E+03		999	5.764E+03		999
29	4.335E-02		0	4.335E-02		999	5.827E+03		999	5.827E+03		999
30	3.944E-02		999	3.944E-02		0	5.890E+03		999	5.890E+03		999
31	3.570E-02		999	3.570E-02		0	5.952E+03		999	5.952E+03		999
32	3.214E-02		0	3.214E-02		999	6.014E+03		999	6.014E+03		999
33	2.875E-02		999	2.875E-02		0	6.076E+03		999	6.076E+03		999
34	2.554E-02		0	2.554E-02		999	6.138E+03		999	6.138E+03		999
35	2.252E-02		0	2.252E-02		999	6.199E+03		999	6.199E+03		999
36	1.967E-02		999	1.967E-02		0	6.260E+03		999	6.260E+03		999
37	1.701E-02		0	1.701E-02		999	6.321E+03		999	6.321E+03		999
38	1.454E-02		999	1.454E-02		0	6.382E+03		999	6.382E+03		999
39	1.225E-02		999	1.225E-02		0	6.443E+03		999	6.443E+03		999
40	1.015E-02		0	1.015E-02		999	6.503E+03		999	6.503E+03		999
41	8.248E-03		999	8.248E-03		0	6.563E+03		999	6.563E+03		999
42	6.536E-03		999	6.536E-03		0	6.623E+03		999	6.623E+03		999
43	5.018E-03		999	5.018E-03		0	6.683E+03		999	6.683E+03		999
44	3.697E-03		0	3.697E-03		999	6.742E+03		999	6.742E+03		999
45	2.575E-03		999	2.575E-03		0	6.801E+03		999	6.801E+03		999
46	1.653E-03		999	1.653E-03		0	6.860E+03		999	6.860E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	9.325E-04		999	9.325E-04		0	6.919E+03		999	6.919E+03		999
48	4.158E-04		0	4.158E-04		999	6.977E+03		999	6.977E+03		999
49	1.044E-04		0	1.044E-04		999	7.035E+03		999	7.035E+03		999
50	0.000E+00		999	0.000E+00		999	3.546E+03		999	3.546E+03		999
51	1.044E-04		0	1.044E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.968E+03 999	1.968E+03 999	0.000E+00 999	0.000E+00 999
0	2.022E+03 999	2.022E+03 999	0.000E+00 999	0.000E+00 999
1	5.460E+01 999	5.460E+01 999	0.000E+00 999	0.000E+00 999
2	5.466E+01 999	5.466E+01 999	0.000E+00 999	0.000E+00 999
3	5.472E+01 999	5.472E+01 999	0.000E+00 999	0.000E+00 999
4	5.479E+01 999	5.479E+01 999	0.000E+00 999	0.000E+00 999
5	5.485E+01 999	5.485E+01 999	0.000E+00 999	0.000E+00 999
6	5.492E+01 999	5.492E+01 999	0.000E+00 999	0.000E+00 999
7	5.498E+01 999	5.498E+01 999	0.000E+00 999	0.000E+00 999
8	5.504E+01 999	5.504E+01 999	0.000E+00 999	0.000E+00 999
9	5.511E+01 999	5.511E+01 999	0.000E+00 999	0.000E+00 999
10	5.517E+01 999	5.517E+01 999	0.000E+00 999	0.000E+00 999
11	5.524E+01 999	5.524E+01 999	0.000E+00 999	0.000E+00 999
12	5.530E+01 999	5.530E+01 999	0.000E+00 999	0.000E+00 999
13	5.536E+01 999	5.536E+01 999	0.000E+00 999	0.000E+00 999
14	5.543E+01 999	5.543E+01 999	0.000E+00 999	0.000E+00 999
15	5.549E+01 999	5.549E+01 999	0.000E+00 999	0.000E+00 999
16	5.556E+01 999	5.556E+01 999	0.000E+00 999	0.000E+00 999
17	5.562E+01 999	5.562E+01 999	0.000E+00 999	0.000E+00 999
18	5.568E+01 999	5.568E+01 999	0.000E+00 999	0.000E+00 999
19	5.575E+01 999	5.575E+01 999	0.000E+00 999	0.000E+00 999
20	5.581E+01 999	5.581E+01 999	0.000E+00 999	0.000E+00 999
21	5.588E+01 999	5.588E+01 999	0.000E+00 999	0.000E+00 999
22	5.594E+01 999	5.594E+01 999	0.000E+00 999	0.000E+00 999
23	5.600E+01 999	5.600E+01 999	0.000E+00 999	0.000E+00 999
24	5.607E+01 999	5.607E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.613E+01 999	5.613E+01 999	0.000E+00 999	0.000E+00 999
27	5.620E+01 999	5.620E+01 999	0.000E+00 999	0.000E+00 999
28	5.626E+01 999	5.626E+01 999	0.000E+00 999	0.000E+00 999
29	5.632E+01 999	5.632E+01 999	0.000E+00 999	0.000E+00 999
30	5.639E+01 999	5.639E+01 999	0.000E+00 999	0.000E+00 999
31	5.645E+01 999	5.645E+01 999	0.000E+00 999	0.000E+00 999
32	5.652E+01 999	5.652E+01 999	0.000E+00 999	0.000E+00 999
33	5.658E+01 999	5.658E+01 999	0.000E+00 999	0.000E+00 999
34	5.664E+01 999	5.664E+01 999	0.000E+00 999	0.000E+00 999
35	5.671E+01 999	5.671E+01 999	0.000E+00 999	0.000E+00 999
36	5.677E+01 999	5.677E+01 999	0.000E+00 999	0.000E+00 999
37	5.684E+01 999	5.684E+01 999	0.000E+00 999	0.000E+00 999
38	5.690E+01 999	5.690E+01 999	0.000E+00 999	0.000E+00 999
39	5.696E+01 999	5.696E+01 999	0.000E+00 999	0.000E+00 999
40	5.703E+01 999	5.703E+01 999	0.000E+00 999	0.000E+00 999
41	5.709E+01 999	5.709E+01 999	0.000E+00 999	0.000E+00 999
42	5.716E+01 999	5.716E+01 999	0.000E+00 999	0.000E+00 999
43	5.722E+01 999	5.722E+01 999	0.000E+00 999	0.000E+00 999
44	5.728E+01 999	5.728E+01 999	0.000E+00 999	0.000E+00 999
45	5.735E+01 999	5.735E+01 999	0.000E+00 999	0.000E+00 999
46	5.741E+01 999	5.741E+01 999	0.000E+00 999	0.000E+00 999
47	5.748E+01 999	5.748E+01 999	0.000E+00 999	0.000E+00 999
48	5.754E+01 999	5.754E+01 999	0.000E+00 999	0.000E+00 999
49	5.760E+01 999	5.760E+01 999	0.000E+00 999	0.000E+00 999
50	-3.489E+03 999	-3.489E+03 999	-5.770E+01 999	-5.770E+01 999
51	-3.546E+03 999	-3.546E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.500E+01	0.000E+00	4.785E+02	0.000E+00	-1.577E+03
0	50	0	8.496E+06	3.300E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
13                    Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.344E-01		0.000E+00		0.000E+00
0	0.000E+00	3.254E-01	-8.995E-03	2.393E+02	2.393E+02	0.000E+00
1	1.000E+00	3.164E-01	-8.939E-03	5.076E+02	2.543E+02	0.000E+00
2	2.000E+00	3.076E-01	-8.879E-03	5.367E+02	1.505E+01	0.000E+00
3	3.000E+00	2.987E-01	-8.816E-03	5.656E+02	1.508E+01	0.000E+00
4	4.000E+00	2.900E-01	-8.750E-03	5.946E+02	1.512E+01	0.000E+00
5	5.000E+00	2.813E-01	-8.680E-03	6.234E+02	1.515E+01	0.000E+00
6	6.000E+00	2.727E-01	-8.606E-03	6.521E+02	1.518E+01	0.000E+00
7	7.000E+00	2.642E-01	-8.529E-03	6.808E+02	1.521E+01	0.000E+00
8	8.000E+00	2.557E-01	-8.449E-03	7.094E+02	1.525E+01	0.000E+00
9	9.000E+00	2.474E-01	-8.366E-03	7.379E+02	1.528E+01	0.000E+00
10	1.000E+01	2.391E-01	-8.279E-03	7.662E+02	1.531E+01	0.000E+00
11	1.100E+01	2.309E-01	-8.189E-03	7.945E+02	1.535E+01	0.000E+00
12	1.200E+01	2.228E-01	-8.095E-03	8.226E+02	1.538E+01	0.000E+00
13	1.300E+01	2.148E-01	-7.998E-03	8.506E+02	1.541E+01	0.000E+00
14	1.400E+01	2.069E-01	-7.898E-03	8.785E+02	1.545E+01	0.000E+00
15	1.500E+01	1.991E-01	-7.795E-03	9.063E+02	1.548E+01	0.000E+00
16	1.600E+01	1.914E-01	-7.688E-03	9.339E+02	1.551E+01	0.000E+00
17	1.700E+01	1.838E-01	-7.578E-03	9.614E+02	1.554E+01	0.000E+00
18	1.800E+01	1.764E-01	-7.465E-03	9.888E+02	1.558E+01	0.000E+00
19	1.900E+01	1.690E-01	-7.349E-03	1.016E+03	1.561E+01	0.000E+00
20	2.000E+01	1.618E-01	-7.229E-03	1.043E+03	1.564E+01	0.000E+00
21	2.100E+01	1.547E-01	-7.106E-03	1.070E+03	1.568E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.477E-01	-6.981E-03	1.097E+03	1.571E+01	0.000E+00
23	2.300E+01	1.409E-01	-6.851E-03	1.123E+03	1.574E+01	0.000E+00
24	2.400E+01	1.341E-01	-6.719E-03	1.150E+03	1.578E+01	0.000E+00
25	2.500E+01	1.275E-01	-6.584E-03	1.176E+03	1.581E+01	0.000E+00
26	2.600E+01	1.211E-01	-6.446E-03	1.202E+03	1.584E+01	0.000E+00
27	2.700E+01	1.148E-01	-6.304E-03	1.228E+03	1.587E+01	0.000E+00
28	2.800E+01	1.086E-01	-6.160E-03	1.253E+03	1.591E+01	0.000E+00
29	2.900E+01	1.026E-01	-6.012E-03	1.279E+03	1.594E+01	0.000E+00
30	3.000E+01	9.677E-02	-5.862E-03	1.304E+03	1.597E+01	0.000E+00
31	3.100E+01	9.106E-02	-5.708E-03	1.329E+03	1.601E+01	0.000E+00
32	3.200E+01	8.551E-02	-5.552E-03	1.354E+03	1.604E+01	0.000E+00
33	3.300E+01	8.011E-02	-5.392E-03	1.378E+03	1.607E+01	0.000E+00
34	3.400E+01	7.488E-02	-5.230E-03	1.403E+03	1.611E+01	0.000E+00
35	3.500E+01	6.982E-02	-5.065E-03	1.427E+03	1.614E+01	0.000E+00
36	3.600E+01	6.492E-02	-4.897E-03	1.451E+03	1.617E+01	0.000E+00
37	3.700E+01	6.019E-02	-4.726E-03	1.474E+03	1.620E+01	0.000E+00
38	3.800E+01	5.564E-02	-4.553E-03	1.498E+03	1.624E+01	0.000E+00
39	3.900E+01	5.126E-02	-4.377E-03	1.521E+03	1.627E+01	0.000E+00
40	4.000E+01	4.707E-02	-4.198E-03	1.544E+03	1.630E+01	0.000E+00
41	4.100E+01	4.305E-02	-4.016E-03	1.566E+03	1.634E+01	0.000E+00
42	4.200E+01	3.922E-02	-3.832E-03	1.589E+03	1.637E+01	0.000E+00
43	4.300E+01	3.557E-02	-3.645E-03	1.611E+03	1.640E+01	0.000E+00
44	4.400E+01	3.212E-02	-3.455E-03	1.633E+03	1.644E+01	0.000E+00
45	4.500E+01	2.886E-02	-3.263E-03	1.654E+03	1.647E+01	0.000E+00
46	4.600E+01	2.579E-02	-3.068E-03	1.676E+03	1.650E+01	0.000E+00
47	4.700E+01	2.292E-02	-2.871E-03	1.697E+03	1.653E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.025E-02	-2.671E-03	1.718E+03	1.657E+01	0.000E+00
49	4.900E+01	1.778E-02	-2.469E-03	1.738E+03	1.660E+01	0.000E+00
50	5.000E+01	1.551E-02	-2.264E-03	1.758E+03	1.663E+01	0.000E+00
51	5.100E+01	1.342E-02	-2.095E-03	1.778E+03	1.665E+01	0.000E+00
52	5.200E+01	1.147E-02	-1.949E-03	1.798E+03	1.665E+01	0.000E+00
53	5.300E+01	9.668E-03	-1.802E-03	1.817E+03	1.665E+01	0.000E+00
54	5.400E+01	8.015E-03	-1.653E-03	1.837E+03	1.665E+01	0.000E+00
55	5.500E+01	6.512E-03	-1.503E-03	1.856E+03	1.665E+01	0.000E+00
56	5.600E+01	5.161E-03	-1.351E-03	1.875E+03	1.665E+01	0.000E+00
57	5.700E+01	3.963E-03	-1.198E-03	1.893E+03	1.665E+01	0.000E+00
58	5.800E+01	2.921E-03	-1.043E-03	1.911E+03	1.665E+01	0.000E+00
59	5.900E+01	2.034E-03	-8.863E-04	1.929E+03	1.665E+01	0.000E+00
60	6.000E+01	1.306E-03	-7.284E-04	1.947E+03	1.665E+01	0.000E+00
61	6.100E+01	7.368E-04	-5.691E-04	1.965E+03	1.665E+01	0.000E+00
62	6.200E+01	3.286E-04	-4.083E-04	1.982E+03	1.665E+01	0.000E+00
63	6.300E+01	8.248E-05	-2.461E-04	1.999E+03	1.665E+01	0.000E+00
64	6.400E+01	0.000E+00	-8.248E-05	1.008E+03	-9.913E+02	-1.665E+01
65	6.500E+01	8.248E-05	8.248E-05	0.000E+00	-1.008E+03	0.000E+00

PROB (CONTD)

13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.344E-01	999		3.344E-01	0		0.000E+00	999		0.000E+00	999	
0	3.254E-01	999		3.254E-01	0		2.393E+02	999		2.393E+02	999	
1	3.164E-01	0		3.164E-01	999		5.076E+02	999		5.076E+02	999	
2	3.076E-01	999		3.076E-01	0		5.367E+02	999		5.367E+02	999	
3	2.987E-01	999		2.987E-01	0		5.656E+02	999		5.656E+02	999	
4	2.900E-01	0		2.900E-01	999		5.946E+02	999		5.946E+02	999	
5	2.813E-01	0		2.813E-01	999		6.234E+02	999		6.234E+02	999	
6	2.727E-01	999		2.727E-01	0		6.521E+02	999		6.521E+02	999	
7	2.642E-01	999		2.642E-01	0		6.808E+02	999		6.808E+02	999	
8	2.557E-01	0		2.557E-01	999		7.094E+02	999		7.094E+02	999	
9	2.474E-01	0		2.474E-01	999		7.379E+02	999		7.379E+02	999	
10	2.391E-01	0		2.391E-01	999		7.662E+02	999		7.662E+02	999	
11	2.309E-01	0		2.309E-01	999		7.945E+02	999		7.945E+02	999	
12	2.228E-01	999		2.228E-01	0		8.226E+02	999		8.226E+02	999	
13	2.148E-01	0		2.148E-01	999		8.506E+02	999		8.506E+02	999	
14	2.069E-01	999		2.069E-01	0		8.785E+02	999		8.785E+02	999	
15	1.991E-01	0		1.991E-01	999		9.063E+02	999		9.063E+02	999	
16	1.914E-01	0		1.914E-01	999		9.339E+02	999		9.339E+02	999	
17	1.838E-01	0		1.838E-01	999		9.614E+02	999		9.614E+02	999	
18	1.764E-01	999		1.764E-01	0		9.888E+02	999		9.888E+02	999	
19	1.690E-01	0		1.690E-01	999		1.016E+03	999		1.016E+03	999	
20	1.618E-01	0		1.618E-01	999		1.043E+03	999		1.043E+03	999	
21	1.547E-01	0		1.547E-01	999		1.070E+03	999		1.070E+03	999	
22	1.477E-01	999		1.477E-01	0		1.097E+03	999		1.097E+03	999	
23	1.409E-01	999		1.409E-01	0		1.123E+03	999		1.123E+03	999	
24	1.341E-01	999		1.341E-01	0		1.150E+03	999		1.150E+03	999	
25	1.275E-01	999		1.275E-01	0		1.176E+03	999		1.176E+03	999	
26	1.211E-01	999		1.211E-01	0		1.202E+03	999		1.202E+03	999	
27	1.148E-01	0		1.148E-01	999		1.228E+03	999		1.228E+03	999	
28	1.086E-01	999		1.086E-01	0		1.253E+03	999		1.253E+03	999	
29	1.026E-01	999		1.026E-01	0		1.279E+03	999		1.279E+03	999	
30	9.677E-02	0		9.677E-02	999		1.304E+03	999		1.304E+03	999	
31	9.106E-02	0		9.106E-02	999		1.329E+03	999		1.329E+03	999	
32	8.551E-02	999		8.551E-02	0		1.354E+03	999		1.354E+03	999	
33	8.011E-02	0		8.011E-02	999		1.378E+03	999		1.378E+03	999	
34	7.488E-02	0		7.488E-02	999		1.403E+03	999		1.403E+03	999	
35	6.982E-02	0		6.982E-02	999		1.427E+03	999		1.427E+03	999	
36	6.492E-02	0		6.492E-02	999		1.451E+03	999		1.451E+03	999	
37	6.019E-02	0		6.019E-02	999		1.474E+03	999		1.474E+03	999	
38	5.564E-02	0		5.564E-02	999		1.498E+03	999		1.498E+03	999	
39	5.126E-02	999		5.126E-02	0		1.521E+03	999		1.521E+03	999	
40	4.707E-02	0		4.707E-02	999		1.544E+03	999		1.544E+03	999	
41	4.305E-02	0		4.305E-02	999		1.566E+03	999		1.566E+03	999	
42	3.922E-02	0		3.922E-02	999		1.589E+03	999		1.589E+03	999	
43	3.557E-02	0		3.557E-02	999		1.611E+03	999		1.611E+03	999	
44	3.212E-02	999		3.212E-02	0		1.633E+03	999		1.633E+03	999	
45	2.886E-02	0		2.886E-02	999		1.654E+03	999		1.654E+03	999	
46	2.579E-02	0		2.579E-02	999		1.676E+03	999		1.676E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.292E-02		0	2.292E-02		999	1.697E+03		999	1.697E+03		999
48	2.025E-02		0	2.025E-02		999	1.718E+03		999	1.718E+03		999
49	1.778E-02		0	1.778E-02		999	1.738E+03		999	1.738E+03		999
50	1.551E-02		0	1.551E-02		999	1.758E+03		999	1.758E+03		999
51	1.342E-02		0	1.342E-02		999	1.778E+03		999	1.778E+03		999
52	1.147E-02		999	1.147E-02		0	1.798E+03		999	1.798E+03		999
53	9.668E-03		0	9.668E-03		999	1.817E+03		999	1.817E+03		999
54	8.015E-03		999	8.015E-03		0	1.837E+03		999	1.837E+03		999
55	6.512E-03		999	6.512E-03		0	1.856E+03		999	1.856E+03		999
56	5.161E-03		0	5.161E-03		999	1.875E+03		999	1.875E+03		999
57	3.963E-03		0	3.963E-03		999	1.893E+03		999	1.893E+03		999
58	2.921E-03		0	2.921E-03		999	1.911E+03		999	1.911E+03		999
59	2.034E-03		999	2.034E-03		0	1.929E+03		999	1.929E+03		999
60	1.306E-03		0	1.306E-03		999	1.947E+03		999	1.947E+03		999
61	7.368E-04		999	7.368E-04		0	1.965E+03		999	1.965E+03		999
62	3.286E-04		999	3.286E-04		0	1.982E+03		999	1.982E+03		999
63	8.248E-05		0	8.248E-05		999	1.999E+03		999	1.999E+03		999
64	0.000E+00		999	0.000E+00		999	1.008E+03		999	1.008E+03		999
65	8.248E-05		0	8.248E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	2.393E+02 999	2.393E+02 999	0.000E+00 999	0.000E+00 999
1	2.543E+02 999	2.543E+02 999	0.000E+00 999	0.000E+00 999
2	1.505E+01 999	1.505E+01 999	0.000E+00 999	0.000E+00 999
3	1.508E+01 999	1.508E+01 999	0.000E+00 999	0.000E+00 999
4	1.512E+01 999	1.512E+01 999	0.000E+00 999	0.000E+00 999
5	1.515E+01 999	1.515E+01 999	0.000E+00 999	0.000E+00 999
6	1.518E+01 999	1.518E+01 999	0.000E+00 999	0.000E+00 999
7	1.521E+01 999	1.521E+01 999	0.000E+00 999	0.000E+00 999
8	1.525E+01 999	1.525E+01 999	0.000E+00 999	0.000E+00 999
9	1.528E+01 999	1.528E+01 999	0.000E+00 999	0.000E+00 999
10	1.531E+01 999	1.531E+01 999	0.000E+00 999	0.000E+00 999
11	1.535E+01 999	1.535E+01 999	0.000E+00 999	0.000E+00 999
12	1.538E+01 999	1.538E+01 999	0.000E+00 999	0.000E+00 999
13	1.541E+01 999	1.541E+01 999	0.000E+00 999	0.000E+00 999
14	1.545E+01 999	1.545E+01 999	0.000E+00 999	0.000E+00 999
15	1.548E+01 999	1.548E+01 999	0.000E+00 999	0.000E+00 999
16	1.551E+01 999	1.551E+01 999	0.000E+00 999	0.000E+00 999
17	1.554E+01 999	1.554E+01 999	0.000E+00 999	0.000E+00 999
18	1.558E+01 999	1.558E+01 999	0.000E+00 999	0.000E+00 999
19	1.561E+01 999	1.561E+01 999	0.000E+00 999	0.000E+00 999
20	1.564E+01 999	1.564E+01 999	0.000E+00 999	0.000E+00 999
21	1.568E+01 999	1.568E+01 999	0.000E+00 999	0.000E+00 999
22	1.571E+01 999	1.571E+01 999	0.000E+00 999	0.000E+00 999
23	1.574E+01 999	1.574E+01 999	0.000E+00 999	0.000E+00 999
24	1.578E+01 999	1.578E+01 999	0.000E+00 999	0.000E+00 999
25	1.581E+01 999	1.581E+01 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	1.584E+01 999	1.584E+01 999	0.000E+00 999	0.000E+00 999
27	1.587E+01 999	1.587E+01 999	0.000E+00 999	0.000E+00 999
28	1.591E+01 999	1.591E+01 999	0.000E+00 999	0.000E+00 999
29	1.594E+01 999	1.594E+01 999	0.000E+00 999	0.000E+00 999
30	1.597E+01 999	1.597E+01 999	0.000E+00 999	0.000E+00 999
31	1.601E+01 999	1.601E+01 999	0.000E+00 999	0.000E+00 999
32	1.604E+01 999	1.604E+01 999	0.000E+00 999	0.000E+00 999
33	1.607E+01 999	1.607E+01 999	0.000E+00 999	0.000E+00 999
34	1.611E+01 999	1.611E+01 999	0.000E+00 999	0.000E+00 999
35	1.614E+01 999	1.614E+01 999	0.000E+00 999	0.000E+00 999
36	1.617E+01 999	1.617E+01 999	0.000E+00 999	0.000E+00 999
37	1.620E+01 999	1.620E+01 999	0.000E+00 999	0.000E+00 999
38	1.624E+01 999	1.624E+01 999	0.000E+00 999	0.000E+00 999
39	1.627E+01 999	1.627E+01 999	0.000E+00 999	0.000E+00 999
40	1.630E+01 999	1.630E+01 999	0.000E+00 999	0.000E+00 999
41	1.634E+01 999	1.634E+01 999	0.000E+00 999	0.000E+00 999
42	1.637E+01 999	1.637E+01 999	0.000E+00 999	0.000E+00 999
43	1.640E+01 999	1.640E+01 999	0.000E+00 999	0.000E+00 999
44	1.644E+01 999	1.644E+01 999	0.000E+00 999	0.000E+00 999
45	1.647E+01 999	1.647E+01 999	0.000E+00 999	0.000E+00 999
46	1.650E+01 999	1.650E+01 999	0.000E+00 999	0.000E+00 999
47	1.653E+01 999	1.653E+01 999	0.000E+00 999	0.000E+00 999
48	1.657E+01 999	1.657E+01 999	0.000E+00 999	0.000E+00 999
49	1.660E+01 999	1.660E+01 999	0.000E+00 999	0.000E+00 999
50	1.663E+01 999	1.663E+01 999	0.000E+00 999	0.000E+00 999
51	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
53	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
54	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
55	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
56	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
57	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
58	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
59	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
60	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
61	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
62	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
63	1.665E+01 999	1.665E+01 999	0.000E+00 999	0.000E+00 999
64	-9.913E+02 999	-9.913E+02 999	-1.665E+01 999	-1.665E+01 999
65	-1.008E+03 999	-1.008E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.120E+01	0.000E+00	3.903E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	6.200E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
14        Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.262E-01		0.000E+00		0.000E+00
0	0.000E+00	2.182E-01	-8.052E-03	1.951E+03	1.951E+03	0.000E+00
1	1.000E+00	2.103E-01	-7.937E-03	3.966E+03	2.002E+03	0.000E+00
2	2.000E+00	2.024E-01	-7.820E-03	4.030E+03	5.129E+01	0.000E+00
3	3.000E+00	1.947E-01	-7.702E-03	4.093E+03	5.136E+01	0.000E+00
4	4.000E+00	1.871E-01	-7.581E-03	4.093E+03	5.142E+01	0.000E+00
5	4.000E+00	1.871E-01	-7.459E-03	4.157E+03	5.148E+01	0.000E+00
5	5.000E+00	1.797E-01	-7.335E-03	4.220E+03	5.154E+01	0.000E+00
6	6.000E+00	1.724E-01	-7.209E-03	4.283E+03	5.160E+01	0.000E+00
7	7.000E+00	1.651E-01	-7.081E-03	4.346E+03	5.166E+01	0.000E+00
8	8.000E+00	1.581E-01	-7.081E-03	4.409E+03	5.166E+01	0.000E+00
8	8.000E+00	1.581E-01	-6.951E-03	4.409E+03	5.173E+01	0.000E+00
9	9.000E+00	1.511E-01	-6.819E-03	4.472E+03	5.179E+01	0.000E+00
10	1.000E+01	1.443E-01	-6.819E-03	4.534E+03	5.179E+01	0.000E+00
10	1.000E+01	1.443E-01	-6.686E-03	4.534E+03	5.185E+01	0.000E+00
11	1.100E+01	1.376E-01	-6.551E-03	4.597E+03	5.185E+01	0.000E+00
11	1.100E+01	1.376E-01	-6.551E-03	4.597E+03	5.191E+01	0.000E+00
12	1.200E+01	1.311E-01	-6.413E-03	4.659E+03	5.191E+01	0.000E+00
12	1.200E+01	1.311E-01	-6.413E-03	4.659E+03	5.198E+01	0.000E+00
13	1.300E+01	1.246E-01	-6.275E-03	4.721E+03	5.198E+01	0.000E+00
13	1.300E+01	1.246E-01	-6.275E-03	4.721E+03	5.204E+01	0.000E+00
14	1.400E+01	1.184E-01	-6.134E-03	4.783E+03	5.204E+01	0.000E+00
14	1.400E+01	1.184E-01	-6.134E-03	4.783E+03	5.210E+01	0.000E+00
15	1.500E+01	1.122E-01	-5.991E-03	4.845E+03	5.210E+01	0.000E+00
15	1.500E+01	1.122E-01	-5.991E-03	4.845E+03	5.216E+01	0.000E+00
16	1.600E+01	1.062E-01	-5.847E-03	4.906E+03	5.216E+01	0.000E+00
16	1.600E+01	1.062E-01	-5.847E-03	4.906E+03	5.222E+01	0.000E+00
17	1.700E+01	1.004E-01	-5.701E-03	4.968E+03	5.222E+01	0.000E+00
17	1.700E+01	1.004E-01	-5.701E-03	4.968E+03	5.229E+01	0.000E+00
18	1.800E+01	9.470E-02	-5.553E-03	5.029E+03	5.229E+01	0.000E+00
18	1.800E+01	9.470E-02	-5.553E-03	5.029E+03	5.235E+01	0.000E+00
19	1.900E+01	8.915E-02	-5.403E-03	5.090E+03	5.235E+01	0.000E+00
19	1.900E+01	8.915E-02	-5.403E-03	5.090E+03	5.241E+01	0.000E+00
20	2.000E+01	8.374E-02	-5.251E-03	5.151E+03	5.241E+01	0.000E+00
20	2.000E+01	8.374E-02	-5.251E-03	5.151E+03	5.247E+01	0.000E+00
21	2.100E+01	7.849E-02		5.212E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	7.339E-02	-5.098E-03	5.272E+03	5.253E+01	0.000E+00
23	2.300E+01	6.845E-02	-4.943E-03	5.333E+03	5.259E+01	0.000E+00
24	2.400E+01	6.366E-02	-4.786E-03	5.393E+03	5.266E+01	0.000E+00
25	2.500E+01	5.904E-02	-4.627E-03	5.453E+03	5.272E+01	0.000E+00
26	2.600E+01	5.457E-02	-4.467E-03	5.513E+03	5.278E+01	0.000E+00
27	2.700E+01	5.027E-02	-4.304E-03	5.572E+03	5.284E+01	0.000E+00
28	2.800E+01	4.613E-02	-4.140E-03	5.572E+03	5.290E+01	0.000E+00
29	2.900E+01	4.215E-02	-3.975E-03	5.632E+03	5.297E+01	0.000E+00
30	2.900E+01	4.215E-02	-3.807E-03	5.691E+03	5.303E+01	0.000E+00
31	3.000E+01	3.834E-02	-3.638E-03	5.750E+03	5.309E+01	0.000E+00
32	3.100E+01	3.471E-02	-3.467E-03	5.809E+03	5.315E+01	0.000E+00
33	3.200E+01	3.124E-02	-3.294E-03	5.867E+03	5.322E+01	0.000E+00
34	3.300E+01	2.795E-02	-3.120E-03	5.926E+03	5.328E+01	0.000E+00
35	3.400E+01	2.483E-02	-2.944E-03	5.984E+03	5.334E+01	0.000E+00
36	3.500E+01	2.188E-02	-2.766E-03	6.042E+03	5.340E+01	0.000E+00
37	3.600E+01	1.912E-02	-2.587E-03	6.100E+03	5.346E+01	0.000E+00
38	3.700E+01	1.653E-02	-2.405E-03	6.157E+03	5.353E+01	0.000E+00
39	3.800E+01	1.412E-02	-2.222E-03	6.215E+03	5.359E+01	0.000E+00
40	3.900E+01	1.190E-02	-2.038E-03	6.272E+03	5.365E+01	0.000E+00
41	4.000E+01	9.863E-03	-1.852E-03	6.329E+03	5.371E+01	0.000E+00
42	4.100E+01	8.011E-03	-1.664E-03	6.385E+03	5.377E+01	0.000E+00
43	4.200E+01	6.347E-03	-1.474E-03	6.442E+03	5.383E+01	0.000E+00
44	4.300E+01	4.873E-03	-1.283E-03	6.498E+03	5.390E+01	0.000E+00
45	4.400E+01	3.590E-03	-1.090E-03	6.554E+03	5.396E+01	0.000E+00
46	4.500E+01	2.500E-03	-8.956E-04	6.609E+03	5.402E+01	0.000E+00
47	4.600E+01	1.605E-03	-6.994E-04	6.665E+03	5.408E+01	0.000E+00
48	4.700E+01	9.052E-04		6.720E+03		0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	4.036E-04	-5.017E-04	6.775E+03	5.415E+01	0.000E+00
49	4.900E+01	1.013E-04	-3.023E-04	6.830E+03	5.421E+01	0.000E+00
50	5.000E+01	0.000E+00	-1.013E-04	3.442E+03	-3.388E+03	-5.430E+01
51	5.100E+01	1.013E-04	1.013E-04	0.000E+00	-3.442E+03	0.000E+00

PROB (CONTD)

14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.262E-01	999		2.262E-01	0		0.000E+00	999		0.000E+00	999	
0	2.182E-01	999		2.182E-01	0		1.951E+03	999		1.951E+03	999	
1	2.103E-01	999		2.103E-01	0		3.966E+03	999		3.966E+03	999	
2	2.024E-01	0		2.024E-01	999		4.030E+03	999		4.030E+03	999	
3	1.947E-01	0		1.947E-01	999		4.093E+03	999		4.093E+03	999	
4	1.871E-01	999		1.871E-01	0		4.157E+03	999		4.157E+03	999	
5	1.797E-01	0		1.797E-01	999		4.220E+03	999		4.220E+03	999	
6	1.724E-01	0		1.724E-01	999		4.283E+03	999		4.283E+03	999	
7	1.651E-01	0		1.651E-01	999		4.346E+03	999		4.346E+03	999	
8	1.581E-01	0		1.581E-01	999		4.409E+03	999		4.409E+03	999	
9	1.511E-01	999		1.511E-01	0		4.472E+03	999		4.472E+03	999	
10	1.443E-01	0		1.443E-01	999		4.534E+03	999		4.534E+03	999	
11	1.376E-01	999		1.376E-01	0		4.597E+03	999		4.597E+03	999	
12	1.311E-01	999		1.311E-01	0		4.659E+03	999		4.659E+03	999	
13	1.246E-01	0		1.246E-01	999		4.721E+03	999		4.721E+03	999	
14	1.184E-01	999		1.184E-01	0		4.783E+03	999		4.783E+03	999	
15	1.122E-01	0		1.122E-01	999		4.845E+03	999		4.845E+03	999	
16	1.062E-01	999		1.062E-01	0		4.906E+03	999		4.906E+03	999	
17	1.004E-01	0		1.004E-01	999		4.968E+03	999		4.968E+03	999	
18	9.470E-02	0		9.470E-02	999		5.029E+03	999		5.029E+03	999	
19	8.915E-02	999		8.915E-02	0		5.090E+03	999		5.090E+03	999	
20	8.374E-02	0		8.374E-02	999		5.151E+03	999		5.151E+03	999	
21	7.849E-02	999		7.849E-02	0		5.212E+03	999		5.212E+03	999	
22	7.339E-02	0		7.339E-02	999		5.272E+03	999		5.272E+03	999	
23	6.845E-02	0		6.845E-02	999		5.333E+03	999		5.333E+03	999	
24	6.366E-02	999		6.366E-02	0		5.393E+03	999		5.393E+03	999	
25	5.904E-02	0		5.904E-02	999		5.453E+03	999		5.453E+03	999	
26	5.457E-02	999		5.457E-02	0		5.513E+03	999		5.513E+03	999	
27	5.027E-02	999		5.027E-02	0		5.572E+03	999		5.572E+03	999	
28	4.613E-02	0		4.613E-02	999		5.632E+03	999		5.632E+03	999	
29	4.215E-02	999		4.215E-02	0		5.691E+03	999		5.691E+03	999	
30	3.834E-02	999		3.834E-02	0		5.750E+03	999		5.750E+03	999	
31	3.471E-02	0		3.471E-02	999		5.809E+03	999		5.809E+03	999	
32	3.124E-02	999		3.124E-02	0		5.867E+03	999		5.867E+03	999	
33	2.795E-02	999		2.795E-02	0		5.926E+03	999		5.926E+03	999	
34	2.483E-02	0		2.483E-02	999		5.984E+03	999		5.984E+03	999	
35	2.188E-02	0		2.188E-02	999		6.042E+03	999		6.042E+03	999	
36	1.912E-02	999		1.912E-02	0		6.100E+03	999		6.100E+03	999	
37	1.653E-02	0		1.653E-02	999		6.157E+03	999		6.157E+03	999	
38	1.412E-02	0		1.412E-02	999		6.215E+03	999		6.215E+03	999	
39	1.190E-02	999		1.190E-02	0		6.272E+03	999		6.272E+03	999	
40	9.863E-03	999		9.863E-03	0		6.329E+03	999		6.329E+03	999	
41	8.011E-03	0		8.011E-03	999		6.385E+03	999		6.385E+03	999	
42	6.347E-03	999		6.347E-03	0		6.442E+03	999		6.442E+03	999	
43	4.873E-03	999		4.873E-03	0		6.498E+03	999		6.498E+03	999	
44	3.590E-03	0		3.590E-03	999		6.554E+03	999		6.554E+03	999	
45	2.500E-03	0		2.500E-03	999		6.609E+03	999		6.609E+03	999	
46	1.605E-03	999		1.605E-03	0		6.665E+03	999		6.665E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	9.052E-04		0	9.052E-04		999	6.720E+03		999	6.720E+03		999
48	4.036E-04		999	4.036E-04		0	6.775E+03		999	6.775E+03		999
49	1.013E-04		999	1.013E-04		0	6.830E+03		999	6.830E+03		999
50	0.000E+00		999	0.000E+00		999	3.442E+03		999	3.442E+03		999
51	1.013E-04		999	1.013E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.951E+03 999	1.951E+03 999	0.000E+00 999	0.000E+00 999
0	2.002E+03 999	2.002E+03 999	0.000E+00 999	0.000E+00 999
1	5.129E+01 999	5.129E+01 999	0.000E+00 999	0.000E+00 999
2	5.136E+01 999	5.136E+01 999	0.000E+00 999	0.000E+00 999
3	5.142E+01 999	5.142E+01 999	0.000E+00 999	0.000E+00 999
4	5.148E+01 999	5.148E+01 999	0.000E+00 999	0.000E+00 999
5	5.154E+01 999	5.154E+01 999	0.000E+00 999	0.000E+00 999
6	5.160E+01 999	5.160E+01 999	0.000E+00 999	0.000E+00 999
7	5.166E+01 999	5.166E+01 999	0.000E+00 999	0.000E+00 999
8	5.173E+01 999	5.173E+01 999	0.000E+00 999	0.000E+00 999
9	5.179E+01 999	5.179E+01 999	0.000E+00 999	0.000E+00 999
10	5.185E+01 999	5.185E+01 999	0.000E+00 999	0.000E+00 999
11	5.191E+01 999	5.191E+01 999	0.000E+00 999	0.000E+00 999
12	5.198E+01 999	5.198E+01 999	0.000E+00 999	0.000E+00 999
13	5.204E+01 999	5.204E+01 999	0.000E+00 999	0.000E+00 999
14	5.210E+01 999	5.210E+01 999	0.000E+00 999	0.000E+00 999
15	5.216E+01 999	5.216E+01 999	0.000E+00 999	0.000E+00 999
16	5.222E+01 999	5.222E+01 999	0.000E+00 999	0.000E+00 999
17	5.229E+01 999	5.229E+01 999	0.000E+00 999	0.000E+00 999
18	5.235E+01 999	5.235E+01 999	0.000E+00 999	0.000E+00 999
19	5.241E+01 999	5.241E+01 999	0.000E+00 999	0.000E+00 999
20	5.247E+01 999	5.247E+01 999	0.000E+00 999	0.000E+00 999
21	5.253E+01 999	5.253E+01 999	0.000E+00 999	0.000E+00 999
22	5.259E+01 999	5.259E+01 999	0.000E+00 999	0.000E+00 999
23	5.266E+01 999	5.266E+01 999	0.000E+00 999	0.000E+00 999
24	5.272E+01 999	5.272E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.278E+01 999	5.278E+01 999	0.000E+00 999	0.000E+00 999
27	5.284E+01 999	5.284E+01 999	0.000E+00 999	0.000E+00 999
28	5.290E+01 999	5.290E+01 999	0.000E+00 999	0.000E+00 999
29	5.297E+01 999	5.297E+01 999	0.000E+00 999	0.000E+00 999
30	5.303E+01 999	5.303E+01 999	0.000E+00 999	0.000E+00 999
31	5.309E+01 999	5.309E+01 999	0.000E+00 999	0.000E+00 999
32	5.315E+01 999	5.315E+01 999	0.000E+00 999	0.000E+00 999
33	5.322E+01 999	5.322E+01 999	0.000E+00 999	0.000E+00 999
34	5.328E+01 999	5.328E+01 999	0.000E+00 999	0.000E+00 999
35	5.334E+01 999	5.334E+01 999	0.000E+00 999	0.000E+00 999
36	5.340E+01 999	5.340E+01 999	0.000E+00 999	0.000E+00 999
37	5.346E+01 999	5.346E+01 999	0.000E+00 999	0.000E+00 999
38	5.353E+01 999	5.353E+01 999	0.000E+00 999	0.000E+00 999
39	5.359E+01 999	5.359E+01 999	0.000E+00 999	0.000E+00 999
40	5.365E+01 999	5.365E+01 999	0.000E+00 999	0.000E+00 999
41	5.371E+01 999	5.371E+01 999	0.000E+00 999	0.000E+00 999
42	5.377E+01 999	5.377E+01 999	0.000E+00 999	0.000E+00 999
43	5.383E+01 999	5.383E+01 999	0.000E+00 999	0.000E+00 999
44	5.390E+01 999	5.390E+01 999	0.000E+00 999	0.000E+00 999
45	5.396E+01 999	5.396E+01 999	0.000E+00 999	0.000E+00 999
46	5.402E+01 999	5.402E+01 999	0.000E+00 999	0.000E+00 999
47	5.408E+01 999	5.408E+01 999	0.000E+00 999	0.000E+00 999
48	5.415E+01 999	5.415E+01 999	0.000E+00 999	0.000E+00 999
49	5.421E+01 999	5.421E+01 999	0.000E+00 999	0.000E+00 999
50	-3.388E+03 999	-3.388E+03 999	-5.430E+01 999	-5.430E+01 999
51	-3.442E+03 999	-3.442E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 15 Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.870E+01	0.000E+00	5.115E+02	0.000E+00	-1.577E+03
0	50	0	8.496E+06	6.400E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
15            Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.974E-01		0.000E+00		0.000E+00
0	0.000E+00	3.868E-01	-1.057E-02	2.558E+02	2.558E+02	0.000E+00
1	1.000E+00	3.763E-01	-1.051E-02	5.468E+02	2.745E+02	0.000E+00
2	2.000E+00	3.659E-01	-1.045E-02	5.821E+02	1.880E+01	0.000E+00
3	3.000E+00	3.555E-01	-1.038E-02	6.173E+02	1.886E+01	0.000E+00
4	4.000E+00	3.452E-01	-1.030E-02	6.525E+02	1.892E+01	0.000E+00
5	5.000E+00	3.350E-01	-1.023E-02	6.876E+02	1.899E+01	0.000E+00
6	6.000E+00	3.248E-01	-1.015E-02	7.226E+02	1.905E+01	0.000E+00
7	7.000E+00	3.147E-01	-1.006E-02	7.576E+02	1.912E+01	0.000E+00
8	8.000E+00	3.048E-01	-9.972E-03	7.925E+02	1.918E+01	0.000E+00
9	9.000E+00	2.949E-01	-9.879E-03	8.273E+02	1.924E+01	0.000E+00
10	1.000E+01	2.851E-01	-9.782E-03	8.621E+02	1.931E+01	0.000E+00
11	1.100E+01	2.754E-01	-9.680E-03	8.967E+02	1.937E+01	0.000E+00
12	1.200E+01	2.659E-01	-9.575E-03	9.312E+02	1.944E+01	0.000E+00
13	1.300E+01	2.564E-01	-9.465E-03	9.657E+02	1.950E+01	0.000E+00
14	1.400E+01	2.470E-01	-9.351E-03	1.000E+03	1.956E+01	0.000E+00
15	1.500E+01	2.378E-01	-9.234E-03	1.034E+03	1.963E+01	0.000E+00
16	1.600E+01	2.287E-01	-9.112E-03	1.068E+03	1.969E+01	0.000E+00
17	1.700E+01	2.197E-01	-8.986E-03	1.102E+03	1.976E+01	0.000E+00
18	1.800E+01	2.109E-01	-8.856E-03	1.136E+03	1.982E+01	0.000E+00
19	1.900E+01	2.021E-01	-8.723E-03	1.170E+03	1.988E+01	0.000E+00
20	2.000E+01	1.935E-01	-8.585E-03	1.203E+03	1.995E+01	0.000E+00
21	2.100E+01	1.851E-01	-8.443E-03	1.236E+03	2.001E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.768E-01	-8.298E-03	1.270E+03	2.008E+01	0.000E+00
23	2.300E+01	1.687E-01	-8.148E-03	1.303E+03	2.014E+01	0.000E+00
24	2.400E+01	1.607E-01	-7.995E-03	1.335E+03	2.020E+01	0.000E+00
25	2.500E+01	1.528E-01	-7.838E-03	1.368E+03	2.027E+01	0.000E+00
26	2.600E+01	1.451E-01	-7.677E-03	1.400E+03	2.033E+01	0.000E+00
27	2.700E+01	1.376E-01	-7.512E-03	1.433E+03	2.040E+01	0.000E+00
28	2.800E+01	1.303E-01	-7.344E-03	1.465E+03	2.046E+01	0.000E+00
29	2.900E+01	1.231E-01	-7.171E-03	1.497E+03	2.052E+01	0.000E+00
30	3.000E+01	1.161E-01	-6.995E-03	1.528E+03	2.059E+01	0.000E+00
31	3.100E+01	1.093E-01	-6.815E-03	1.560E+03	2.065E+01	0.000E+00
32	3.200E+01	1.027E-01	-6.632E-03	1.591E+03	2.072E+01	0.000E+00
33	3.300E+01	9.623E-02	-6.444E-03	1.622E+03	2.078E+01	0.000E+00
34	3.400E+01	8.998E-02	-6.253E-03	1.652E+03	2.084E+01	0.000E+00
35	3.500E+01	8.392E-02	-6.059E-03	1.683E+03	2.091E+01	0.000E+00
36	3.600E+01	7.806E-02	-5.861E-03	1.713E+03	2.097E+01	0.000E+00
37	3.700E+01	7.240E-02	-5.659E-03	1.743E+03	2.104E+01	0.000E+00
38	3.800E+01	6.694E-02	-5.454E-03	1.773E+03	2.110E+01	0.000E+00
39	3.900E+01	6.170E-02	-5.245E-03	1.773E+03	2.116E+01	0.000E+00
40	4.000E+01	5.667E-02	-5.033E-03	1.802E+03	2.123E+01	0.000E+00
41	4.100E+01	5.185E-02	-4.818E-03	1.831E+03	2.129E+01	0.000E+00
42	4.200E+01	4.725E-02	-4.599E-03	1.860E+03	2.136E+01	0.000E+00
43	4.300E+01	4.287E-02	-4.377E-03	1.889E+03	2.142E+01	0.000E+00
44	4.400E+01	3.872E-02	-4.151E-03	1.917E+03	2.148E+01	0.000E+00
45	4.500E+01	3.480E-02	-3.922E-03	1.945E+03	2.155E+01	0.000E+00
46	4.600E+01	3.111E-02	-3.690E-03	1.973E+03	2.161E+01	0.000E+00
47	4.700E+01	2.766E-02	-3.454E-03	2.000E+03	2.168E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.444E-02	-3.216E-03	2.054E+03	2.174E+01	0.000E+00
49	4.900E+01	2.147E-02	-2.974E-03	2.081E+03	2.180E+01	0.000E+00
50	5.000E+01	1.874E-02	-2.729E-03	2.107E+03	2.187E+01	0.000E+00
51	5.100E+01	1.621E-02	-2.526E-03	2.133E+03	2.190E+01	0.000E+00
52	5.200E+01	1.386E-02	-2.351E-03	2.158E+03	2.190E+01	0.000E+00
53	5.300E+01	1.169E-02	-2.174E-03	2.184E+03	2.190E+01	0.000E+00
54	5.400E+01	9.690E-03	-1.996E-03	2.209E+03	2.190E+01	0.000E+00
55	5.500E+01	7.875E-03	-1.815E-03	2.234E+03	2.190E+01	0.000E+00
56	5.600E+01	6.243E-03	-1.632E-03	2.258E+03	2.190E+01	0.000E+00
57	5.700E+01	4.795E-03	-1.447E-03	2.282E+03	2.190E+01	0.000E+00
58	5.800E+01	3.535E-03	-1.261E-03	2.306E+03	2.190E+01	0.000E+00
59	5.900E+01	2.463E-03	-1.072E-03	2.330E+03	2.190E+01	0.000E+00
60	6.000E+01	1.581E-03	-8.813E-04	2.353E+03	2.190E+01	0.000E+00
61	6.100E+01	8.924E-04	-6.888E-04	2.376E+03	2.190E+01	0.000E+00
62	6.200E+01	3.980E-04	-4.944E-04	2.399E+03	2.190E+01	0.000E+00
63	6.300E+01	9.996E-05	-2.981E-04	2.421E+03	2.190E+01	0.000E+00
64	6.400E+01	0.000E+00	-9.996E-05	1.222E+03	-1.200E+03	-2.190E+01
65	6.500E+01	9.996E-05	9.996E-05	0.000E+00	-1.222E+03	0.000E+00

PROB (CONTD)

15 Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.974E-01		0	3.974E-01		999	0.000E+00		999	0.000E+00		999
0	3.868E-01		999	3.868E-01		0	2.558E+02		999	2.558E+02		999
1	3.763E-01		0	3.763E-01		999	5.468E+02		999	5.468E+02		999
2	3.659E-01		0	3.659E-01		999	5.821E+02		999	5.821E+02		999
3	3.555E-01		0	3.555E-01		999	6.173E+02		999	6.173E+02		999
4	3.452E-01		999	3.452E-01		0	6.525E+02		999	6.525E+02		999
5	3.350E-01		999	3.350E-01		0	6.876E+02		999	6.876E+02		999
6	3.248E-01		999	3.248E-01		0	7.226E+02		999	7.226E+02		999
7	3.147E-01		0	3.147E-01		999	7.576E+02		999	7.576E+02		999
8	3.048E-01		999	3.048E-01		0	7.925E+02		999	7.925E+02		999
9	2.949E-01		999	2.949E-01		0	8.273E+02		999	8.273E+02		999
10	2.851E-01		999	2.851E-01		0	8.621E+02		999	8.621E+02		999
11	2.754E-01		0	2.754E-01		999	8.967E+02		999	8.967E+02		999
12	2.659E-01		0	2.659E-01		999	9.312E+02		999	9.312E+02		999
13	2.564E-01		0	2.564E-01		999	9.657E+02		999	9.657E+02		999
14	2.470E-01		999	2.470E-01		0	1.000E+03		999	1.000E+03		999
15	2.378E-01		999	2.378E-01		0	1.034E+03		999	1.034E+03		999
16	2.287E-01		999	2.287E-01		0	1.068E+03		999	1.068E+03		999
17	2.197E-01		0	2.197E-01		999	1.102E+03		999	1.102E+03		999
18	2.109E-01		0	2.109E-01		999	1.136E+03		999	1.136E+03		999
19	2.021E-01		999	2.021E-01		0	1.170E+03		999	1.170E+03		999
20	1.935E-01		999	1.935E-01		0	1.203E+03		999	1.203E+03		999
21	1.851E-01		0	1.851E-01		999	1.236E+03		999	1.236E+03		999
22	1.768E-01		0	1.768E-01		999	1.270E+03		999	1.270E+03		999
23	1.687E-01		999	1.687E-01		0	1.303E+03		999	1.303E+03		999
24	1.607E-01		999	1.607E-01		0	1.335E+03		999	1.335E+03		999
25	1.528E-01		0	1.528E-01		999	1.368E+03		999	1.368E+03		999
26	1.451E-01		0	1.451E-01		999	1.400E+03		999	1.400E+03		999
27	1.376E-01		999	1.376E-01		0	1.433E+03		999	1.433E+03		999
28	1.303E-01		999	1.303E-01		0	1.465E+03		999	1.465E+03		999
29	1.231E-01		999	1.231E-01		0	1.497E+03		999	1.497E+03		999
30	1.161E-01		0	1.161E-01		999	1.528E+03		999	1.528E+03		999
31	1.093E-01		0	1.093E-01		999	1.560E+03		999	1.560E+03		999
32	1.027E-01		0	1.027E-01		999	1.591E+03		999	1.591E+03		999
33	9.623E-02		0	9.623E-02		999	1.622E+03		999	1.622E+03		999
34	8.998E-02		999	8.998E-02		0	1.652E+03		999	1.652E+03		999
35	8.392E-02		999	8.392E-02		0	1.683E+03		999	1.683E+03		999
36	7.806E-02		0	7.806E-02		999	1.713E+03		999	1.713E+03		999
37	7.240E-02		999	7.240E-02		0	1.743E+03		999	1.743E+03		999
38	6.694E-02		0	6.694E-02		999	1.773E+03		999	1.773E+03		999
39	6.170E-02		999	6.170E-02		0	1.802E+03		999	1.802E+03		999
40	5.667E-02		0	5.667E-02		999	1.831E+03		999	1.831E+03		999
41	5.185E-02		999	5.185E-02		0	1.860E+03		999	1.860E+03		999
42	4.725E-02		999	4.725E-02		0	1.889E+03		999	1.889E+03		999
43	4.287E-02		0	4.287E-02		999	1.917E+03		999	1.917E+03		999
44	3.872E-02		999	3.872E-02		0	1.945E+03		999	1.945E+03		999
45	3.480E-02		0	3.480E-02		999	1.973E+03		999	1.973E+03		999
46	3.111E-02		999	3.111E-02		0	2.000E+03		999	2.000E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.766E-02		0	2.766E-02		999	2.027E+03		999	2.027E+03		999
48	2.444E-02		999	2.444E-02		0	2.054E+03		999	2.054E+03		999
49	2.147E-02		999	2.147E-02		0	2.081E+03		999	2.081E+03		999
50	1.874E-02		0	1.874E-02		999	2.107E+03		999	2.107E+03		999
51	1.621E-02		999	1.621E-02		0	2.133E+03		999	2.133E+03		999
52	1.386E-02		999	1.386E-02		0	2.158E+03		999	2.158E+03		999
53	1.169E-02		0	1.169E-02		999	2.184E+03		999	2.184E+03		999
54	9.690E-03		999	9.690E-03		0	2.209E+03		999	2.209E+03		999
55	7.875E-03		0	7.875E-03		999	2.234E+03		999	2.234E+03		999
56	6.243E-03		999	6.243E-03		0	2.258E+03		999	2.258E+03		999
57	4.795E-03		999	4.795E-03		0	2.282E+03		999	2.282E+03		999
58	3.535E-03		0	3.535E-03		999	2.306E+03		999	2.306E+03		999
59	2.463E-03		0	2.463E-03		999	2.330E+03		999	2.330E+03		999
60	1.581E-03		0	1.581E-03		999	2.353E+03		999	2.353E+03		999
61	8.924E-04		0	8.924E-04		999	2.376E+03		999	2.376E+03		999
62	3.980E-04		999	3.980E-04		0	2.399E+03		999	2.399E+03		999
63	9.996E-05		0	9.996E-05		999	2.421E+03		999	2.421E+03		999
64	0.000E+00		999	0.000E+00		999	1.222E+03		999	1.222E+03		999
65	9.996E-05		0	9.996E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	2.558E+02 999	2.558E+02 999	0.000E+00 999	0.000E+00 999
0	2.745E+02 999	2.745E+02 999	0.000E+00 999	0.000E+00 999
1	1.880E+01 999	1.880E+01 999	0.000E+00 999	0.000E+00 999
2	1.886E+01 999	1.886E+01 999	0.000E+00 999	0.000E+00 999
3	1.892E+01 999	1.892E+01 999	0.000E+00 999	0.000E+00 999
4	1.899E+01 999	1.899E+01 999	0.000E+00 999	0.000E+00 999
5	1.905E+01 999	1.905E+01 999	0.000E+00 999	0.000E+00 999
6	1.912E+01 999	1.912E+01 999	0.000E+00 999	0.000E+00 999
7	1.918E+01 999	1.918E+01 999	0.000E+00 999	0.000E+00 999
8	1.924E+01 999	1.924E+01 999	0.000E+00 999	0.000E+00 999
9	1.931E+01 999	1.931E+01 999	0.000E+00 999	0.000E+00 999
10	1.937E+01 999	1.937E+01 999	0.000E+00 999	0.000E+00 999
11	1.944E+01 999	1.944E+01 999	0.000E+00 999	0.000E+00 999
12	1.950E+01 999	1.950E+01 999	0.000E+00 999	0.000E+00 999
13	1.956E+01 999	1.956E+01 999	0.000E+00 999	0.000E+00 999
14	1.963E+01 999	1.963E+01 999	0.000E+00 999	0.000E+00 999
15	1.969E+01 999	1.969E+01 999	0.000E+00 999	0.000E+00 999
16	1.976E+01 999	1.976E+01 999	0.000E+00 999	0.000E+00 999
17	1.982E+01 999	1.982E+01 999	0.000E+00 999	0.000E+00 999
18	1.988E+01 999	1.988E+01 999	0.000E+00 999	0.000E+00 999
19	1.995E+01 999	1.995E+01 999	0.000E+00 999	0.000E+00 999
20	2.001E+01 999	2.001E+01 999	0.000E+00 999	0.000E+00 999
21	2.008E+01 999	2.008E+01 999	0.000E+00 999	0.000E+00 999
22	2.014E+01 999	2.014E+01 999	0.000E+00 999	0.000E+00 999
23	2.020E+01 999	2.020E+01 999	0.000E+00 999	0.000E+00 999
24	2.027E+01 999	2.027E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.033E+01 999	2.033E+01 999	0.000E+00 999	0.000E+00 999
27	2.040E+01 999	2.040E+01 999	0.000E+00 999	0.000E+00 999
28	2.046E+01 999	2.046E+01 999	0.000E+00 999	0.000E+00 999
29	2.052E+01 999	2.052E+01 999	0.000E+00 999	0.000E+00 999
30	2.059E+01 999	2.059E+01 999	0.000E+00 999	0.000E+00 999
31	2.065E+01 999	2.065E+01 999	0.000E+00 999	0.000E+00 999
32	2.072E+01 999	2.072E+01 999	0.000E+00 999	0.000E+00 999
33	2.078E+01 999	2.078E+01 999	0.000E+00 999	0.000E+00 999
34	2.084E+01 999	2.084E+01 999	0.000E+00 999	0.000E+00 999
35	2.091E+01 999	2.091E+01 999	0.000E+00 999	0.000E+00 999
36	2.097E+01 999	2.097E+01 999	0.000E+00 999	0.000E+00 999
37	2.104E+01 999	2.104E+01 999	0.000E+00 999	0.000E+00 999
38	2.110E+01 999	2.110E+01 999	0.000E+00 999	0.000E+00 999
39	2.116E+01 999	2.116E+01 999	0.000E+00 999	0.000E+00 999
40	2.123E+01 999	2.123E+01 999	0.000E+00 999	0.000E+00 999
41	2.129E+01 999	2.129E+01 999	0.000E+00 999	0.000E+00 999
42	2.136E+01 999	2.136E+01 999	0.000E+00 999	0.000E+00 999
43	2.142E+01 999	2.142E+01 999	0.000E+00 999	0.000E+00 999
44	2.148E+01 999	2.148E+01 999	0.000E+00 999	0.000E+00 999
45	2.155E+01 999	2.155E+01 999	0.000E+00 999	0.000E+00 999
46	2.161E+01 999	2.161E+01 999	0.000E+00 999	0.000E+00 999
47	2.168E+01 999	2.168E+01 999	0.000E+00 999	0.000E+00 999
48	2.174E+01 999	2.174E+01 999	0.000E+00 999	0.000E+00 999
49	2.180E+01 999	2.180E+01 999	0.000E+00 999	0.000E+00 999
50	2.187E+01 999	2.187E+01 999	0.000E+00 999	0.000E+00 999
51	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
53	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
54	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
55	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
56	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
57	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
58	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
59	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
60	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
61	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
62	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
63	2.190E+01 999	2.190E+01 999	0.000E+00 999	0.000E+00 999
64	-1.200E+03 999	-1.200E+03 999	-2.190E+01 999	-2.190E+01 999
65	-1.222E+03 999	-1.222E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	4.940E+01	0.000E+00	3.886E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	5.500E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO            COUNTY       NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010       (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
16            Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.230E-01		0.000E+00		0.000E+00
0	0.000E+00	2.151E-01	-7.952E-03	1.943E+03	1.943E+03	0.000E+00
1	1.000E+00	2.072E-01	-7.838E-03	3.948E+03	1.992E+03	0.000E+00
2	2.000E+00	1.995E-01	-7.722E-03	4.010E+03	4.948E+01	0.000E+00
3	3.000E+00	1.919E-01	-7.604E-03	4.010E+03	4.954E+01	0.000E+00
4	4.000E+00	1.844E-01	-7.484E-03	4.071E+03	4.959E+01	0.000E+00
5	4.000E+00	1.844E-01	-7.362E-03	4.132E+03	4.965E+01	0.000E+00
6	5.000E+00	1.771E-01	-7.239E-03	4.194E+03	4.970E+01	0.000E+00
7	6.000E+00	1.698E-01	-7.114E-03	4.255E+03	4.976E+01	0.000E+00
8	7.000E+00	1.627E-01	-6.987E-03	4.316E+03	4.976E+01	0.000E+00
9	8.000E+00	1.557E-01	-6.987E-03	4.377E+03	4.981E+01	0.000E+00
10	9.000E+00	1.489E-01	-6.858E-03	4.437E+03	4.987E+01	0.000E+00
11	1.000E+01	1.421E-01	-6.727E-03	4.498E+03	4.992E+01	0.000E+00
12	1.100E+01	1.355E-01	-6.595E-03	4.558E+03	4.998E+01	0.000E+00
13	1.200E+01	1.291E-01	-6.461E-03	4.618E+03	5.003E+01	0.000E+00
14	1.300E+01	1.228E-01	-6.325E-03	4.679E+03	5.009E+01	0.000E+00
15	1.400E+01	1.166E-01	-6.187E-03	4.738E+03	5.014E+01	0.000E+00
16	1.500E+01	1.105E-01	-6.048E-03	4.798E+03	5.020E+01	0.000E+00
17	1.600E+01	1.046E-01	-5.907E-03	4.858E+03	5.025E+01	0.000E+00
18	1.700E+01	9.885E-02	-5.764E-03	4.917E+03	5.031E+01	0.000E+00
19	1.800E+01	9.323E-02	-5.619E-03	4.976E+03	5.036E+01	0.000E+00
20	1.900E+01	8.776E-02	-5.472E-03	5.035E+03	5.042E+01	0.000E+00
21	2.000E+01	8.244E-02	-5.324E-03	5.094E+03	5.047E+01	0.000E+00
22	2.100E+01	7.726E-02	-5.174E-03	5.153E+03	5.053E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	7.224E-02	-5.023E-03	5.211E+03	5.058E+01	0.000E+00
23	2.300E+01	6.737E-02	-4.869E-03	5.270E+03	5.064E+01	0.000E+00
24	2.400E+01	6.265E-02	-4.714E-03	5.328E+03	5.069E+01	0.000E+00
25	2.500E+01	5.810E-02	-4.557E-03	5.386E+03	5.075E+01	0.000E+00
26	2.600E+01	5.370E-02	-4.399E-03	5.444E+03	5.080E+01	0.000E+00
27	2.700E+01	4.946E-02	-4.239E-03	5.501E+03	5.086E+01	0.000E+00
28	2.800E+01	4.538E-02	-4.077E-03	5.558E+03	5.091E+01	0.000E+00
29	2.900E+01	4.147E-02	-3.913E-03	5.616E+03	5.097E+01	0.000E+00
30	3.000E+01	3.772E-02	-3.748E-03	5.672E+03	5.102E+01	0.000E+00
31	3.100E+01	3.414E-02	-3.581E-03	5.729E+03	5.108E+01	0.000E+00
32	3.200E+01	3.073E-02	-3.412E-03	5.786E+03	5.113E+01	0.000E+00
33	3.300E+01	2.749E-02	-3.242E-03	5.842E+03	5.119E+01	0.000E+00
34	3.400E+01	2.442E-02	-3.070E-03	5.898E+03	5.124E+01	0.000E+00
35	3.500E+01	2.152E-02	-2.897E-03	5.954E+03	5.130E+01	0.000E+00
36	3.600E+01	1.880E-02	-2.721E-03	6.010E+03	5.135E+01	0.000E+00
37	3.700E+01	1.625E-02	-2.545E-03	6.065E+03	5.141E+01	0.000E+00
38	3.800E+01	1.389E-02	-2.366E-03	6.120E+03	5.146E+01	0.000E+00
39	3.900E+01	1.170E-02	-2.186E-03	6.175E+03	5.152E+01	0.000E+00
40	4.000E+01	9.697E-03	-2.004E-03	6.230E+03	5.157E+01	0.000E+00
41	4.100E+01	7.876E-03	-1.821E-03	6.284E+03	5.163E+01	0.000E+00
42	4.200E+01	6.240E-03	-1.636E-03	6.339E+03	5.168E+01	0.000E+00
43	4.300E+01	4.790E-03	-1.449E-03	6.393E+03	5.174E+01	0.000E+00
44	4.400E+01	3.529E-03	-1.261E-03	6.446E+03	5.179E+01	0.000E+00
45	4.500E+01	2.457E-03	-1.072E-03	6.500E+03	5.185E+01	0.000E+00
46	4.600E+01	1.577E-03	-8.803E-04	6.553E+03	5.190E+01	0.000E+00
47	4.700E+01	8.896E-04	-6.874E-04	6.606E+03	5.196E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.966E-04	-4.930E-04	6.659E+03	5.201E+01	0.000E+00
49	4.900E+01	9.953E-05	-2.970E-04	6.712E+03	5.207E+01	0.000E+00
50	5.000E+01	0.000E+00	-9.953E-05	3.382E+03	-3.330E+03	-5.215E+01
51	5.100E+01	9.953E-05	9.953E-05	0.000E+00	-3.382E+03	0.000E+00



PROB (CONTD)

16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.230E-01	999		2.230E-01	0		0.000E+00	999		0.000E+00	999	
0	2.151E-01	999		2.151E-01	0		1.943E+03	999		1.943E+03	999	
1	2.072E-01	0		2.072E-01	999		3.948E+03	999		3.948E+03	999	
2	1.995E-01	0		1.995E-01	999		4.010E+03	999		4.010E+03	999	
3	1.919E-01	999		1.919E-01	0		4.071E+03	999		4.071E+03	999	
4	1.844E-01	0		1.844E-01	999		4.132E+03	999		4.132E+03	999	
5	1.771E-01	999		1.771E-01	0		4.194E+03	999		4.194E+03	999	
6	1.698E-01	0		1.698E-01	999		4.255E+03	999		4.255E+03	999	
7	1.627E-01	0		1.627E-01	999		4.316E+03	999		4.316E+03	999	
8	1.557E-01	0		1.557E-01	999		4.377E+03	999		4.377E+03	999	
9	1.489E-01	0		1.489E-01	999		4.437E+03	999		4.437E+03	999	
10	1.421E-01	999		1.421E-01	0		4.498E+03	999		4.498E+03	999	
11	1.355E-01	999		1.355E-01	0		4.558E+03	999		4.558E+03	999	
12	1.291E-01	999		1.291E-01	0		4.618E+03	999		4.618E+03	999	
13	1.228E-01	0		1.228E-01	999		4.679E+03	999		4.679E+03	999	
14	1.166E-01	999		1.166E-01	0		4.738E+03	999		4.738E+03	999	
15	1.105E-01	999		1.105E-01	0		4.798E+03	999		4.798E+03	999	
16	1.046E-01	999		1.046E-01	0		4.858E+03	999		4.858E+03	999	
17	9.885E-02	999		9.885E-02	0		4.917E+03	999		4.917E+03	999	
18	9.323E-02	0		9.323E-02	999		4.976E+03	999		4.976E+03	999	
19	8.776E-02	0		8.776E-02	999		5.035E+03	999		5.035E+03	999	
20	8.244E-02	999		8.244E-02	0		5.094E+03	999		5.094E+03	999	
21	7.726E-02	0		7.726E-02	999		5.153E+03	999		5.153E+03	999	
22	7.224E-02	0		7.224E-02	999		5.211E+03	999		5.211E+03	999	
23	6.737E-02	0		6.737E-02	999		5.270E+03	999		5.270E+03	999	
24	6.265E-02	999		6.265E-02	0		5.328E+03	999		5.328E+03	999	
25	5.810E-02	0		5.810E-02	999		5.386E+03	999		5.386E+03	999	
26	5.370E-02	999		5.370E-02	0		5.444E+03	999		5.444E+03	999	
27	4.946E-02	999		4.946E-02	0		5.501E+03	999		5.501E+03	999	
28	4.538E-02	999		4.538E-02	0		5.558E+03	999		5.558E+03	999	
29	4.147E-02	999		4.147E-02	0		5.616E+03	999		5.616E+03	999	
30	3.772E-02	999		3.772E-02	0		5.672E+03	999		5.672E+03	999	
31	3.414E-02	999		3.414E-02	0		5.729E+03	999		5.729E+03	999	
32	3.073E-02	0		3.073E-02	999		5.786E+03	999		5.786E+03	999	
33	2.749E-02	0		2.749E-02	999		5.842E+03	999		5.842E+03	999	
34	2.442E-02	0		2.442E-02	999		5.898E+03	999		5.898E+03	999	
35	2.152E-02	0		2.152E-02	999		5.954E+03	999		5.954E+03	999	
36	1.880E-02	999		1.880E-02	0		6.010E+03	999		6.010E+03	999	
37	1.625E-02	999		1.625E-02	0		6.065E+03	999		6.065E+03	999	
38	1.389E-02	999		1.389E-02	0		6.120E+03	999		6.120E+03	999	
39	1.170E-02	0		1.170E-02	999		6.175E+03	999		6.175E+03	999	
40	9.697E-03	999		9.697E-03	0		6.230E+03	999		6.230E+03	999	
41	7.876E-03	0		7.876E-03	999		6.284E+03	999		6.284E+03	999	
42	6.240E-03	0		6.240E-03	999		6.339E+03	999		6.339E+03	999	
43	4.790E-03	999		4.790E-03	0		6.393E+03	999		6.393E+03	999	
44	3.529E-03	0		3.529E-03	999		6.446E+03	999		6.446E+03	999	
45	2.457E-03	0		2.457E-03	999		6.500E+03	999		6.500E+03	999	
46	1.577E-03	999		1.577E-03	0		6.553E+03	999		6.553E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	8.896E-04	999		8.896E-04	0		6.606E+03	999		6.606E+03	999	
48	3.966E-04	999		3.966E-04	0		6.659E+03	999		6.659E+03	999	
49	9.953E-05	0		9.953E-05	999		6.712E+03	999		6.712E+03	999	
50	0.000E+00	999		0.000E+00	999		3.382E+03	999		3.382E+03	999	
51	9.953E-05	0		9.953E-05	999		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.943E+03 999	1.943E+03 999	0.000E+00 999	0.000E+00 999
0	1.992E+03 999	1.992E+03 999	0.000E+00 999	0.000E+00 999
1	4.948E+01 999	4.948E+01 999	0.000E+00 999	0.000E+00 999
2	4.954E+01 999	4.954E+01 999	0.000E+00 999	0.000E+00 999
3	4.959E+01 999	4.959E+01 999	0.000E+00 999	0.000E+00 999
4	4.965E+01 999	4.965E+01 999	0.000E+00 999	0.000E+00 999
5	4.970E+01 999	4.970E+01 999	0.000E+00 999	0.000E+00 999
6	4.976E+01 999	4.976E+01 999	0.000E+00 999	0.000E+00 999
7	4.981E+01 999	4.981E+01 999	0.000E+00 999	0.000E+00 999
8	4.987E+01 999	4.987E+01 999	0.000E+00 999	0.000E+00 999
9	4.992E+01 999	4.992E+01 999	0.000E+00 999	0.000E+00 999
10	4.998E+01 999	4.998E+01 999	0.000E+00 999	0.000E+00 999
11	5.003E+01 999	5.003E+01 999	0.000E+00 999	0.000E+00 999
12	5.009E+01 999	5.009E+01 999	0.000E+00 999	0.000E+00 999
13	5.014E+01 999	5.014E+01 999	0.000E+00 999	0.000E+00 999
14	5.020E+01 999	5.020E+01 999	0.000E+00 999	0.000E+00 999
15	5.025E+01 999	5.025E+01 999	0.000E+00 999	0.000E+00 999
16	5.031E+01 999	5.031E+01 999	0.000E+00 999	0.000E+00 999
17	5.036E+01 999	5.036E+01 999	0.000E+00 999	0.000E+00 999
18	5.042E+01 999	5.042E+01 999	0.000E+00 999	0.000E+00 999
19	5.047E+01 999	5.047E+01 999	0.000E+00 999	0.000E+00 999
20	5.053E+01 999	5.053E+01 999	0.000E+00 999	0.000E+00 999
21	5.058E+01 999	5.058E+01 999	0.000E+00 999	0.000E+00 999
22	5.064E+01 999	5.064E+01 999	0.000E+00 999	0.000E+00 999
23	5.069E+01 999	5.069E+01 999	0.000E+00 999	0.000E+00 999
24	5.075E+01 999	5.075E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.080E+01 999	5.080E+01 999	0.000E+00 999	0.000E+00 999
27	5.086E+01 999	5.086E+01 999	0.000E+00 999	0.000E+00 999
28	5.091E+01 999	5.091E+01 999	0.000E+00 999	0.000E+00 999
29	5.097E+01 999	5.097E+01 999	0.000E+00 999	0.000E+00 999
30	5.102E+01 999	5.102E+01 999	0.000E+00 999	0.000E+00 999
31	5.108E+01 999	5.108E+01 999	0.000E+00 999	0.000E+00 999
32	5.113E+01 999	5.113E+01 999	0.000E+00 999	0.000E+00 999
33	5.119E+01 999	5.119E+01 999	0.000E+00 999	0.000E+00 999
34	5.124E+01 999	5.124E+01 999	0.000E+00 999	0.000E+00 999
35	5.130E+01 999	5.130E+01 999	0.000E+00 999	0.000E+00 999
36	5.135E+01 999	5.135E+01 999	0.000E+00 999	0.000E+00 999
37	5.141E+01 999	5.141E+01 999	0.000E+00 999	0.000E+00 999
38	5.146E+01 999	5.146E+01 999	0.000E+00 999	0.000E+00 999
39	5.152E+01 999	5.152E+01 999	0.000E+00 999	0.000E+00 999
40	5.157E+01 999	5.157E+01 999	0.000E+00 999	0.000E+00 999
41	5.163E+01 999	5.163E+01 999	0.000E+00 999	0.000E+00 999
42	5.168E+01 999	5.168E+01 999	0.000E+00 999	0.000E+00 999
43	5.174E+01 999	5.174E+01 999	0.000E+00 999	0.000E+00 999
44	5.179E+01 999	5.179E+01 999	0.000E+00 999	0.000E+00 999
45	5.185E+01 999	5.185E+01 999	0.000E+00 999	0.000E+00 999
46	5.190E+01 999	5.190E+01 999	0.000E+00 999	0.000E+00 999
47	5.196E+01 999	5.196E+01 999	0.000E+00 999	0.000E+00 999
48	5.201E+01 999	5.201E+01 999	0.000E+00 999	0.000E+00 999
49	5.207E+01 999	5.207E+01 999	0.000E+00 999	0.000E+00 999
50	-3.330E+03 999	-3.330E+03 999	-5.215E+01 999	-5.215E+01 999
51	-3.382E+03 999	-3.382E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	2.120E+01	0.000E+00	5.336E+02	0.000E+00	-1.577E+03	
0	50	0	8.496E+06	9.100E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
17                    Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	4.416E-01		0.000E+00		0.000E+00
0	0.000E+00	4.299E-01	-1.167E-02	2.668E+02	2.668E+02	0.000E+00
1	1.000E+00	4.183E-01	-1.161E-02	5.731E+02	2.880E+02	0.000E+00
2	2.000E+00	4.067E-01	-1.154E-02	6.127E+02	2.134E+01	0.000E+00
3	3.000E+00	3.953E-01	-1.147E-02	6.522E+02	2.143E+01	0.000E+00
4	4.000E+00	3.839E-01	-1.139E-02	6.917E+02	2.152E+01	0.000E+00
5	5.000E+00	3.726E-01	-1.131E-02	7.311E+02	2.161E+01	0.000E+00
6	6.000E+00	3.614E-01	-1.122E-02	7.705E+02	2.170E+01	0.000E+00
7	7.000E+00	3.502E-01	-1.113E-02	8.098E+02	2.179E+01	0.000E+00
8	8.000E+00	3.392E-01	-1.104E-02	8.491E+02	2.188E+01	0.000E+00
9	9.000E+00	3.283E-01	-1.094E-02	8.883E+02	2.197E+01	0.000E+00
10	1.000E+01	3.174E-01	-1.083E-02	9.275E+02	2.206E+01	0.000E+00
11	1.100E+01	3.067E-01	-1.072E-02	9.665E+02	2.216E+01	0.000E+00
12	1.200E+01	2.961E-01	-1.061E-02	1.006E+03	2.225E+01	0.000E+00
13	1.300E+01	2.856E-01	-1.049E-02	1.044E+03	2.234E+01	0.000E+00
14	1.400E+01	2.752E-01	-1.037E-02	1.083E+03	2.243E+01	0.000E+00
15	1.500E+01	2.650E-01	-1.024E-02	1.122E+03	2.252E+01	0.000E+00
16	1.600E+01	2.549E-01	-1.011E-02	1.160E+03	2.261E+01	0.000E+00
17	1.700E+01	2.449E-01	-9.971E-03	1.199E+03	2.270E+01	0.000E+00
18	1.800E+01	2.351E-01	-9.830E-03	1.237E+03	2.279E+01	0.000E+00
19	1.900E+01	2.254E-01	-9.684E-03	1.275E+03	2.288E+01	0.000E+00
20	2.000E+01	2.159E-01	-9.534E-03	1.313E+03	2.297E+01	0.000E+00
21	2.100E+01	2.065E-01	-9.380E-03	1.351E+03	2.307E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.973E-01	-9.221E-03	1.389E+03	2.316E+01	0.000E+00
23	2.300E+01	1.882E-01	-9.057E-03	1.426E+03	2.325E+01	0.000E+00
24	2.400E+01	1.793E-01	-8.889E-03	1.464E+03	2.334E+01	0.000E+00
25	2.500E+01	1.706E-01	-8.717E-03	1.501E+03	2.343E+01	0.000E+00
26	2.600E+01	1.621E-01	-8.540E-03	1.538E+03	2.352E+01	0.000E+00
27	2.700E+01	1.537E-01	-8.359E-03	1.575E+03	2.361E+01	0.000E+00
28	2.800E+01	1.455E-01	-8.174E-03	1.611E+03	2.370E+01	0.000E+00
29	2.900E+01	1.375E-01	-7.984E-03	1.648E+03	2.379E+01	0.000E+00
30	3.000E+01	1.298E-01	-7.790E-03	1.684E+03	2.388E+01	0.000E+00
31	3.100E+01	1.222E-01	-7.592E-03	1.720E+03	2.398E+01	0.000E+00
32	3.200E+01	1.148E-01	-7.390E-03	1.755E+03	2.407E+01	0.000E+00
33	3.300E+01	1.076E-01	-7.183E-03	1.791E+03	2.416E+01	0.000E+00
34	3.400E+01	1.006E-01	-6.972E-03	1.826E+03	2.425E+01	0.000E+00
35	3.500E+01	9.386E-02	-6.757E-03	1.861E+03	2.434E+01	0.000E+00
36	3.600E+01	8.732E-02	-6.538E-03	1.896E+03	2.443E+01	0.000E+00
37	3.700E+01	8.101E-02	-6.315E-03	1.930E+03	2.452E+01	0.000E+00
38	3.800E+01	7.492E-02	-6.088E-03	1.965E+03	2.461E+01	0.000E+00
39	3.900E+01	6.906E-02	-5.857E-03	1.999E+03	2.470E+01	0.000E+00
40	4.000E+01	6.344E-02	-5.622E-03	2.032E+03	2.479E+01	0.000E+00
41	4.100E+01	5.806E-02	-5.382E-03	2.066E+03	2.489E+01	0.000E+00
42	4.200E+01	5.292E-02	-5.139E-03	2.099E+03	2.498E+01	0.000E+00
43	4.300E+01	4.803E-02	-4.892E-03	2.131E+03	2.507E+01	0.000E+00
44	4.400E+01	4.338E-02	-4.641E-03	2.164E+03	2.516E+01	0.000E+00
45	4.500E+01	3.900E-02	-4.387E-03	2.196E+03	2.525E+01	0.000E+00
46	4.600E+01	3.487E-02	-4.128E-03	2.228E+03	2.534E+01	0.000E+00
47	4.700E+01	3.100E-02	-3.866E-03	2.259E+03	2.543E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.740E-02	-3.600E-03	2.291E+03	2.552E+01	0.000E+00
49	4.900E+01	2.407E-02	-3.330E-03	2.322E+03	2.561E+01	0.000E+00
50	5.000E+01	2.102E-02	-3.057E-03	2.352E+03	2.570E+01	0.000E+00
51	5.100E+01	1.819E-02	-2.830E-03	2.382E+03	2.575E+01	0.000E+00
52	5.200E+01	1.555E-02	-2.635E-03	2.412E+03	2.575E+01	0.000E+00
53	5.300E+01	1.311E-02	-2.438E-03	2.442E+03	2.575E+01	0.000E+00
54	5.400E+01	1.088E-02	-2.238E-03	2.471E+03	2.575E+01	0.000E+00
55	5.500E+01	8.839E-03	-2.036E-03	2.500E+03	2.575E+01	0.000E+00
56	5.600E+01	7.008E-03	-1.831E-03	2.529E+03	2.575E+01	0.000E+00
57	5.700E+01	5.384E-03	-1.624E-03	2.557E+03	2.575E+01	0.000E+00
58	5.800E+01	3.969E-03	-1.415E-03	2.585E+03	2.575E+01	0.000E+00
59	5.900E+01	2.766E-03	-1.203E-03	2.613E+03	2.575E+01	0.000E+00
60	6.000E+01	1.776E-03	-9.896E-04	2.640E+03	2.575E+01	0.000E+00
61	6.100E+01	1.003E-03	-7.736E-04	2.667E+03	2.575E+01	0.000E+00
62	6.200E+01	4.473E-04	-5.553E-04	2.693E+03	2.575E+01	0.000E+00
63	6.300E+01	1.123E-04	-3.349E-04	2.720E+03	2.575E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.123E-04	1.373E+03	-1.347E+03	-2.575E+01
65	6.500E+01	1.123E-04	1.123E-04	0.000E+00	-1.373E+03	0.000E+00

PROB (CONTD)

17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	4.416E-01		0	4.416E-01		999	0.000E+00		999	0.000E+00		999
0	4.299E-01		999	4.299E-01		0	2.668E+02		999	2.668E+02		999
1	4.183E-01		999	4.183E-01		0	5.731E+02		999	5.731E+02		999
2	4.067E-01		0	4.067E-01		999	6.127E+02		999	6.127E+02		999
3	3.953E-01		999	3.953E-01		0	6.522E+02		999	6.522E+02		999
4	3.839E-01		999	3.839E-01		0	6.917E+02		999	6.917E+02		999
5	3.726E-01		999	3.726E-01		0	7.311E+02		999	7.311E+02		999
6	3.614E-01		999	3.614E-01		0	7.705E+02		999	7.705E+02		999
7	3.502E-01		0	3.502E-01		999	8.098E+02		999	8.098E+02		999
8	3.392E-01		999	3.392E-01		0	8.491E+02		999	8.491E+02		999
9	3.283E-01		999	3.283E-01		0	8.883E+02		999	8.883E+02		999
10	3.174E-01		999	3.174E-01		0	9.275E+02		999	9.275E+02		999
11	3.067E-01		0	3.067E-01		999	9.665E+02		999	9.665E+02		999
12	2.961E-01		0	2.961E-01		999	1.006E+03		999	1.006E+03		999
13	2.856E-01		0	2.856E-01		999	1.044E+03		999	1.044E+03		999
14	2.752E-01		999	2.752E-01		0	1.083E+03		999	1.083E+03		999
15	2.650E-01		0	2.650E-01		999	1.122E+03		999	1.122E+03		999
16	2.549E-01		0	2.549E-01		999	1.160E+03		999	1.160E+03		999
17	2.449E-01		0	2.449E-01		999	1.199E+03		999	1.199E+03		999
18	2.351E-01		0	2.351E-01		999	1.237E+03		999	1.237E+03		999
19	2.254E-01		0	2.254E-01		999	1.275E+03		999	1.275E+03		999
20	2.159E-01		0	2.159E-01		999	1.313E+03		999	1.313E+03		999
21	2.065E-01		999	2.065E-01		0	1.351E+03		999	1.351E+03		999
22	1.973E-01		0	1.973E-01		999	1.389E+03		999	1.389E+03		999
23	1.882E-01		999	1.882E-01		0	1.426E+03		999	1.426E+03		999
24	1.793E-01		0	1.793E-01		999	1.464E+03		999	1.464E+03		999
25	1.706E-01		0	1.706E-01		999	1.501E+03		999	1.501E+03		999
26	1.621E-01		0	1.621E-01		999	1.538E+03		999	1.538E+03		999
27	1.537E-01		999	1.537E-01		0	1.575E+03		999	1.575E+03		999
28	1.455E-01		0	1.455E-01		999	1.611E+03		999	1.611E+03		999
29	1.375E-01		0	1.375E-01		999	1.648E+03		999	1.648E+03		999
30	1.298E-01		0	1.298E-01		999	1.684E+03		999	1.684E+03		999
31	1.222E-01		0	1.222E-01		999	1.720E+03		999	1.720E+03		999
32	1.148E-01		999	1.148E-01		0	1.755E+03		999	1.755E+03		999
33	1.076E-01		0	1.076E-01		999	1.791E+03		999	1.791E+03		999
34	1.006E-01		0	1.006E-01		999	1.826E+03		999	1.826E+03		999
35	9.386E-02		0	9.386E-02		999	1.861E+03		999	1.861E+03		999
36	8.732E-02		0	8.732E-02		999	1.896E+03		999	1.896E+03		999
37	8.101E-02		999	8.101E-02		0	1.930E+03		999	1.930E+03		999
38	7.492E-02		0	7.492E-02		999	1.965E+03		999	1.965E+03		999
39	6.906E-02		0	6.906E-02		999	1.999E+03		999	1.999E+03		999
40	6.344E-02		999	6.344E-02		0	2.032E+03		999	2.032E+03		999
41	5.806E-02		999	5.806E-02		0	2.066E+03		999	2.066E+03		999
42	5.292E-02		999	5.292E-02		0	2.099E+03		999	2.099E+03		999
43	4.803E-02		999	4.803E-02		0	2.131E+03		999	2.131E+03		999
44	4.338E-02		999	4.338E-02		0	2.164E+03		999	2.164E+03		999
45	3.900E-02		0	3.900E-02		999	2.196E+03		999	2.196E+03		999
46	3.487E-02		0	3.487E-02		999	2.228E+03		999	2.228E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.100E-02		0	3.100E-02		999	2.259E+03		999	2.259E+03		999
48	2.740E-02		0	2.740E-02		999	2.291E+03		999	2.291E+03		999
49	2.407E-02		999	2.407E-02		0	2.322E+03		999	2.322E+03		999
50	2.102E-02		999	2.102E-02		0	2.352E+03		999	2.352E+03		999
51	1.819E-02		0	1.819E-02		999	2.382E+03		999	2.382E+03		999
52	1.555E-02		0	1.555E-02		999	2.412E+03		999	2.412E+03		999
53	1.311E-02		999	1.311E-02		0	2.442E+03		999	2.442E+03		999
54	1.088E-02		0	1.088E-02		999	2.471E+03		999	2.471E+03		999
55	8.839E-03		999	8.839E-03		0	2.500E+03		999	2.500E+03		999
56	7.008E-03		999	7.008E-03		0	2.529E+03		999	2.529E+03		999
57	5.384E-03		999	5.384E-03		0	2.557E+03		999	2.557E+03		999
58	3.969E-03		0	3.969E-03		999	2.585E+03		999	2.585E+03		999
59	2.766E-03		0	2.766E-03		999	2.613E+03		999	2.613E+03		999
60	1.776E-03		999	1.776E-03		0	2.640E+03		999	2.640E+03		999
61	1.003E-03		0	1.003E-03		999	2.667E+03		999	2.667E+03		999
62	4.473E-04		0	4.473E-04		999	2.693E+03		999	2.693E+03		999
63	1.123E-04		0	1.123E-04		999	2.720E+03		999	2.720E+03		999
64	0.000E+00		999	0.000E+00		999	1.373E+03		999	1.373E+03		999
65	1.123E-04		0	1.123E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	2.668E+02 999	2.668E+02 999	0.000E+00 999	0.000E+00 999
1	2.880E+02 999	2.880E+02 999	0.000E+00 999	0.000E+00 999
2	2.134E+01 999	2.134E+01 999	0.000E+00 999	0.000E+00 999
3	2.143E+01 999	2.143E+01 999	0.000E+00 999	0.000E+00 999
4	2.152E+01 999	2.152E+01 999	0.000E+00 999	0.000E+00 999
5	2.161E+01 999	2.161E+01 999	0.000E+00 999	0.000E+00 999
6	2.170E+01 999	2.170E+01 999	0.000E+00 999	0.000E+00 999
7	2.179E+01 999	2.179E+01 999	0.000E+00 999	0.000E+00 999
8	2.188E+01 999	2.188E+01 999	0.000E+00 999	0.000E+00 999
9	2.197E+01 999	2.197E+01 999	0.000E+00 999	0.000E+00 999
10	2.206E+01 999	2.206E+01 999	0.000E+00 999	0.000E+00 999
11	2.216E+01 999	2.216E+01 999	0.000E+00 999	0.000E+00 999
12	2.225E+01 999	2.225E+01 999	0.000E+00 999	0.000E+00 999
13	2.234E+01 999	2.234E+01 999	0.000E+00 999	0.000E+00 999
14	2.243E+01 999	2.243E+01 999	0.000E+00 999	0.000E+00 999
15	2.252E+01 999	2.252E+01 999	0.000E+00 999	0.000E+00 999
16	2.261E+01 999	2.261E+01 999	0.000E+00 999	0.000E+00 999
17	2.270E+01 999	2.270E+01 999	0.000E+00 999	0.000E+00 999
18	2.279E+01 999	2.279E+01 999	0.000E+00 999	0.000E+00 999
19	2.288E+01 999	2.288E+01 999	0.000E+00 999	0.000E+00 999
20	2.297E+01 999	2.297E+01 999	0.000E+00 999	0.000E+00 999
21	2.307E+01 999	2.307E+01 999	0.000E+00 999	0.000E+00 999
22	2.316E+01 999	2.316E+01 999	0.000E+00 999	0.000E+00 999
23	2.325E+01 999	2.325E+01 999	0.000E+00 999	0.000E+00 999
24	2.334E+01 999	2.334E+01 999	0.000E+00 999	0.000E+00 999
25	2.343E+01 999	2.343E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.352E+01 999	2.352E+01 999	0.000E+00 999	0.000E+00 999
27	2.361E+01 999	2.361E+01 999	0.000E+00 999	0.000E+00 999
28	2.370E+01 999	2.370E+01 999	0.000E+00 999	0.000E+00 999
29	2.379E+01 999	2.379E+01 999	0.000E+00 999	0.000E+00 999
30	2.388E+01 999	2.388E+01 999	0.000E+00 999	0.000E+00 999
31	2.398E+01 999	2.398E+01 999	0.000E+00 999	0.000E+00 999
32	2.407E+01 999	2.407E+01 999	0.000E+00 999	0.000E+00 999
33	2.416E+01 999	2.416E+01 999	0.000E+00 999	0.000E+00 999
34	2.425E+01 999	2.425E+01 999	0.000E+00 999	0.000E+00 999
35	2.434E+01 999	2.434E+01 999	0.000E+00 999	0.000E+00 999
36	2.443E+01 999	2.443E+01 999	0.000E+00 999	0.000E+00 999
37	2.452E+01 999	2.452E+01 999	0.000E+00 999	0.000E+00 999
38	2.461E+01 999	2.461E+01 999	0.000E+00 999	0.000E+00 999
39	2.470E+01 999	2.470E+01 999	0.000E+00 999	0.000E+00 999
40	2.479E+01 999	2.479E+01 999	0.000E+00 999	0.000E+00 999
41	2.489E+01 999	2.489E+01 999	0.000E+00 999	0.000E+00 999
42	2.498E+01 999	2.498E+01 999	0.000E+00 999	0.000E+00 999
43	2.507E+01 999	2.507E+01 999	0.000E+00 999	0.000E+00 999
44	2.516E+01 999	2.516E+01 999	0.000E+00 999	0.000E+00 999
45	2.525E+01 999	2.525E+01 999	0.000E+00 999	0.000E+00 999
46	2.534E+01 999	2.534E+01 999	0.000E+00 999	0.000E+00 999
47	2.543E+01 999	2.543E+01 999	0.000E+00 999	0.000E+00 999
48	2.552E+01 999	2.552E+01 999	0.000E+00 999	0.000E+00 999
49	2.561E+01 999	2.561E+01 999	0.000E+00 999	0.000E+00 999
50	2.570E+01 999	2.570E+01 999	0.000E+00 999	0.000E+00 999
51	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
53	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
54	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
55	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
56	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
57	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
58	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
59	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
60	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
61	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
62	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
63	2.575E+01 999	2.575E+01 999	0.000E+00 999	0.000E+00 999
64	-1.347E+03 999	-1.347E+03 999	-2.575E+01 999	-2.575E+01 999
65	-1.373E+03 999	-1.373E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
18 Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	4.490E+01	0.000E+00	3.843E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	4.500E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
18            Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.151E-01		0.000E+00		0.000E+00
0	0.000E+00	2.074E-01	-7.704E-03	1.921E+03	1.921E+03	0.000E+00
1	1.000E+00	1.998E-01	-7.591E-03	3.899E+03	1.966E+03	0.000E+00
2	2.000E+00	1.923E-01	-7.477E-03	3.956E+03	4.497E+01	0.000E+00
3	3.000E+00	1.849E-01	-7.360E-03	4.013E+03	4.501E+01	0.000E+00
4	4.000E+00	1.777E-01	-7.242E-03	4.069E+03	4.506E+01	0.000E+00
5	5.000E+00	1.706E-01	-7.122E-03	4.126E+03	4.510E+01	0.000E+00
6	6.000E+00	1.636E-01	-7.001E-03	4.182E+03	4.515E+01	0.000E+00
7	7.000E+00	1.567E-01	-6.878E-03	4.182E+03	4.519E+01	0.000E+00
8	8.000E+00	1.499E-01	-6.753E-03	4.238E+03	4.524E+01	0.000E+00
9	9.000E+00	1.433E-01	-6.627E-03	4.294E+03	4.528E+01	0.000E+00
10	1.000E+01	1.368E-01	-6.499E-03	4.349E+03	4.533E+01	0.000E+00
11	1.100E+01	1.304E-01	-6.369E-03	4.405E+03	4.537E+01	0.000E+00
12	1.200E+01	1.242E-01	-6.238E-03	4.460E+03	4.537E+01	0.000E+00
13	1.300E+01	1.181E-01	-6.105E-03	4.516E+03	4.542E+01	0.000E+00
14	1.400E+01	1.121E-01	-5.971E-03	4.571E+03	4.546E+01	0.000E+00
15	1.500E+01	1.063E-01	-5.834E-03	4.571E+03	4.551E+01	0.000E+00
16	1.600E+01	1.006E-01	-5.697E-03	4.626E+03	4.555E+01	0.000E+00
17	1.700E+01	9.503E-02	-5.557E-03	4.680E+03	4.560E+01	0.000E+00
18	1.800E+01	8.962E-02	-5.416E-03	4.735E+03	4.564E+01	0.000E+00
19	1.900E+01	8.434E-02	-5.274E-03	4.789E+03	4.569E+01	0.000E+00
20	2.000E+01	7.922E-02	-5.130E-03	4.844E+03	4.573E+01	0.000E+00
21	2.100E+01	7.423E-02	-4.984E-03	4.898E+03	4.578E+01	0.000E+00
				4.952E+03	4.582E+01	0.000E+00
				5.005E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	6.939E-02	-4.837E-03	5.059E+03	4.587E+01	0.000E+00
23	2.300E+01	6.471E-02	-4.688E-03	5.112E+03	4.591E+01	0.000E+00
24	2.400E+01	6.017E-02	-4.537E-03	5.165E+03	4.596E+01	0.000E+00
25	2.500E+01	5.578E-02	-4.385E-03	5.218E+03	4.600E+01	0.000E+00
26	2.600E+01	5.155E-02	-4.232E-03	5.271E+03	4.605E+01	0.000E+00
27	2.700E+01	4.748E-02	-4.077E-03	5.323E+03	4.609E+01	0.000E+00
28	2.800E+01	4.356E-02	-3.920E-03	5.376E+03	4.614E+01	0.000E+00
29	2.900E+01	3.979E-02	-3.762E-03	5.428E+03	4.618E+01	0.000E+00
30	3.000E+01	3.619E-02	-3.602E-03	5.480E+03	4.623E+01	0.000E+00
31	3.100E+01	3.275E-02	-3.441E-03	5.531E+03	4.627E+01	0.000E+00
32	3.200E+01	2.947E-02	-3.278E-03	5.583E+03	4.632E+01	0.000E+00
33	3.300E+01	2.636E-02	-3.114E-03	5.634E+03	4.636E+01	0.000E+00
34	3.400E+01	2.341E-02	-2.948E-03	5.685E+03	4.641E+01	0.000E+00
35	3.500E+01	2.063E-02	-2.781E-03	5.736E+03	4.645E+01	0.000E+00
36	3.600E+01	1.802E-02	-2.612E-03	5.787E+03	4.650E+01	0.000E+00
37	3.700E+01	1.558E-02	-2.442E-03	5.837E+03	4.654E+01	0.000E+00
38	3.800E+01	1.331E-02	-2.270E-03	5.887E+03	4.659E+01	0.000E+00
39	3.900E+01	1.121E-02	-2.096E-03	5.937E+03	4.663E+01	0.000E+00
40	4.000E+01	9.289E-03	-1.922E-03	5.987E+03	4.668E+01	0.000E+00
41	4.100E+01	7.544E-03	-1.746E-03	6.036E+03	4.672E+01	0.000E+00
42	4.200E+01	5.976E-03	-1.568E-03	6.086E+03	4.677E+01	0.000E+00
43	4.300E+01	4.587E-03	-1.389E-03	6.135E+03	4.681E+01	0.000E+00
44	4.400E+01	3.379E-03	-1.208E-03	6.183E+03	4.686E+01	0.000E+00
45	4.500E+01	2.352E-03	-1.026E-03	6.232E+03	4.690E+01	0.000E+00
46	4.600E+01	1.509E-03	-8.429E-04	6.280E+03	4.695E+01	0.000E+00
47	4.700E+01	8.513E-04	-6.581E-04	6.328E+03	4.699E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.795E-04	-4.719E-04	6.376E+03	4.704E+01	0.000E+00
49	4.900E+01	9.521E-05	-2.842E-04	6.423E+03	4.708E+01	0.000E+00
50	5.000E+01	0.000E+00	-9.521E-05	3.235E+03	-3.188E+03	-4.715E+01
51	5.100E+01	9.521E-05	9.521E-05	0.000E+00	-3.235E+03	0.000E+00

PROB (CONTD)

18 Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.151E-01	999		2.151E-01	0		0.000E+00	999		0.000E+00	999	
0	2.074E-01	999		2.074E-01	0		1.921E+03	999		1.921E+03	999	
1	1.998E-01	0		1.998E-01	999		3.899E+03	999		3.899E+03	999	
2	1.923E-01	0		1.923E-01	999		3.956E+03	999		3.956E+03	999	
3	1.849E-01	999		1.849E-01	0		4.013E+03	999		4.013E+03	999	
4	1.777E-01	999		1.777E-01	0		4.069E+03	999		4.069E+03	999	
5	1.706E-01	0		1.706E-01	999		4.126E+03	999		4.126E+03	999	
6	1.636E-01	999		1.636E-01	0		4.182E+03	999		4.182E+03	999	
7	1.567E-01	0		1.567E-01	999		4.238E+03	999		4.238E+03	999	
8	1.499E-01	0		1.499E-01	999		4.294E+03	999		4.294E+03	999	
9	1.433E-01	999		1.433E-01	0		4.349E+03	999		4.349E+03	999	
10	1.368E-01	0		1.368E-01	999		4.405E+03	999		4.405E+03	999	
11	1.304E-01	0		1.304E-01	999		4.460E+03	999		4.460E+03	999	
12	1.242E-01	0		1.242E-01	999		4.516E+03	999		4.516E+03	999	
13	1.181E-01	0		1.181E-01	999		4.571E+03	999		4.571E+03	999	
14	1.121E-01	999		1.121E-01	0		4.626E+03	999		4.626E+03	999	
15	1.063E-01	999		1.063E-01	0		4.680E+03	999		4.680E+03	999	
16	1.006E-01	0		1.006E-01	999		4.735E+03	999		4.735E+03	999	
17	9.503E-02	999		9.503E-02	0		4.789E+03	999		4.789E+03	999	
18	8.962E-02	999		8.962E-02	0		4.844E+03	999		4.844E+03	999	
19	8.434E-02	0		8.434E-02	999		4.898E+03	999		4.898E+03	999	
20	7.922E-02	0		7.922E-02	999		4.952E+03	999		4.952E+03	999	
21	7.423E-02	0		7.423E-02	999		5.005E+03	999		5.005E+03	999	
22	6.939E-02	999		6.939E-02	0		5.059E+03	999		5.059E+03	999	
23	6.471E-02	0		6.471E-02	999		5.112E+03	999		5.112E+03	999	
24	6.017E-02	999		6.017E-02	0		5.165E+03	999		5.165E+03	999	
25	5.578E-02	0		5.578E-02	999		5.218E+03	999		5.218E+03	999	
26	5.155E-02	0		5.155E-02	999		5.271E+03	999		5.271E+03	999	
27	4.748E-02	0		4.748E-02	999		5.323E+03	999		5.323E+03	999	
28	4.356E-02	0		4.356E-02	999		5.376E+03	999		5.376E+03	999	
29	3.979E-02	0		3.979E-02	999		5.428E+03	999		5.428E+03	999	
30	3.619E-02	999		3.619E-02	0		5.480E+03	999		5.480E+03	999	
31	3.275E-02	999		3.275E-02	0		5.531E+03	999		5.531E+03	999	
32	2.947E-02	999		2.947E-02	0		5.583E+03	999		5.583E+03	999	
33	2.636E-02	0		2.636E-02	999		5.634E+03	999		5.634E+03	999	
34	2.341E-02	999		2.341E-02	0		5.685E+03	999		5.685E+03	999	
35	2.063E-02	999		2.063E-02	0		5.736E+03	999		5.736E+03	999	
36	1.802E-02	0		1.802E-02	999		5.787E+03	999		5.787E+03	999	
37	1.558E-02	999		1.558E-02	0		5.837E+03	999		5.837E+03	999	
38	1.331E-02	999		1.331E-02	0		5.887E+03	999		5.887E+03	999	
39	1.121E-02	999		1.121E-02	0		5.937E+03	999		5.937E+03	999	
40	9.289E-03	0		9.289E-03	999		5.987E+03	999		5.987E+03	999	
41	7.544E-03	999		7.544E-03	0		6.036E+03	999		6.036E+03	999	
42	5.976E-03	999		5.976E-03	0		6.086E+03	999		6.086E+03	999	
43	4.587E-03	999		4.587E-03	0		6.135E+03	999		6.135E+03	999	
44	3.379E-03	0		3.379E-03	999		6.183E+03	999		6.183E+03	999	
45	2.352E-03	999		2.352E-03	0		6.232E+03	999		6.232E+03	999	
46	1.509E-03	0		1.509E-03	999		6.280E+03	999		6.280E+03	999	



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	8.513E-04		0	8.513E-04		999	6.328E+03		999	6.328E+03		999
48	3.795E-04		999	3.795E-04		0	6.376E+03		999	6.376E+03		999
49	9.521E-05		999	9.521E-05		0	6.423E+03		999	6.423E+03		999
50	0.000E+00		999	0.000E+00		999	3.235E+03		999	3.235E+03		999
51	9.521E-05		999	9.521E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.921E+03 999	1.921E+03 999	0.000E+00 999	0.000E+00 999
0	1.966E+03 999	1.966E+03 999	0.000E+00 999	0.000E+00 999
1	4.497E+01 999	4.497E+01 999	0.000E+00 999	0.000E+00 999
2	4.501E+01 999	4.501E+01 999	0.000E+00 999	0.000E+00 999
3	4.506E+01 999	4.506E+01 999	0.000E+00 999	0.000E+00 999
4	4.510E+01 999	4.510E+01 999	0.000E+00 999	0.000E+00 999
5	4.515E+01 999	4.515E+01 999	0.000E+00 999	0.000E+00 999
6	4.519E+01 999	4.519E+01 999	0.000E+00 999	0.000E+00 999
7	4.524E+01 999	4.524E+01 999	0.000E+00 999	0.000E+00 999
8	4.528E+01 999	4.528E+01 999	0.000E+00 999	0.000E+00 999
9	4.533E+01 999	4.533E+01 999	0.000E+00 999	0.000E+00 999
10	4.537E+01 999	4.537E+01 999	0.000E+00 999	0.000E+00 999
11	4.542E+01 999	4.542E+01 999	0.000E+00 999	0.000E+00 999
12	4.546E+01 999	4.546E+01 999	0.000E+00 999	0.000E+00 999
13	4.551E+01 999	4.551E+01 999	0.000E+00 999	0.000E+00 999
14	4.555E+01 999	4.555E+01 999	0.000E+00 999	0.000E+00 999
15	4.560E+01 999	4.560E+01 999	0.000E+00 999	0.000E+00 999
16	4.564E+01 999	4.564E+01 999	0.000E+00 999	0.000E+00 999
17	4.569E+01 999	4.569E+01 999	0.000E+00 999	0.000E+00 999
18	4.573E+01 999	4.573E+01 999	0.000E+00 999	0.000E+00 999
19	4.578E+01 999	4.578E+01 999	0.000E+00 999	0.000E+00 999
20	4.582E+01 999	4.582E+01 999	0.000E+00 999	0.000E+00 999
21	4.587E+01 999	4.587E+01 999	0.000E+00 999	0.000E+00 999
22	4.591E+01 999	4.591E+01 999	0.000E+00 999	0.000E+00 999
23	4.596E+01 999	4.596E+01 999	0.000E+00 999	0.000E+00 999
24	4.600E+01 999	4.600E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	4.605E+01 999	4.605E+01 999	0.000E+00 999	0.000E+00 999
27	4.609E+01 999	4.609E+01 999	0.000E+00 999	0.000E+00 999
28	4.614E+01 999	4.614E+01 999	0.000E+00 999	0.000E+00 999
29	4.618E+01 999	4.618E+01 999	0.000E+00 999	0.000E+00 999
30	4.623E+01 999	4.623E+01 999	0.000E+00 999	0.000E+00 999
31	4.627E+01 999	4.627E+01 999	0.000E+00 999	0.000E+00 999
32	4.632E+01 999	4.632E+01 999	0.000E+00 999	0.000E+00 999
33	4.636E+01 999	4.636E+01 999	0.000E+00 999	0.000E+00 999
34	4.641E+01 999	4.641E+01 999	0.000E+00 999	0.000E+00 999
35	4.645E+01 999	4.645E+01 999	0.000E+00 999	0.000E+00 999
36	4.650E+01 999	4.650E+01 999	0.000E+00 999	0.000E+00 999
37	4.654E+01 999	4.654E+01 999	0.000E+00 999	0.000E+00 999
38	4.659E+01 999	4.659E+01 999	0.000E+00 999	0.000E+00 999
39	4.663E+01 999	4.663E+01 999	0.000E+00 999	0.000E+00 999
40	4.668E+01 999	4.668E+01 999	0.000E+00 999	0.000E+00 999
41	4.672E+01 999	4.672E+01 999	0.000E+00 999	0.000E+00 999
42	4.677E+01 999	4.677E+01 999	0.000E+00 999	0.000E+00 999
43	4.681E+01 999	4.681E+01 999	0.000E+00 999	0.000E+00 999
44	4.686E+01 999	4.686E+01 999	0.000E+00 999	0.000E+00 999
45	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
46	4.695E+01 999	4.695E+01 999	0.000E+00 999	0.000E+00 999
47	4.699E+01 999	4.699E+01 999	0.000E+00 999	0.000E+00 999
48	4.704E+01 999	4.704E+01 999	0.000E+00 999	0.000E+00 999
49	4.708E+01 999	4.708E+01 999	0.000E+00 999	0.000E+00 999
50	-3.188E+03 999	-3.188E+03 999	-4.715E+01 999	-4.715E+01 999
51	-3.235E+03 999	-3.235E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
 19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	2.310E+01	0.000E+00	5.502E+02	0.000E+00	-1.577E+03	
0	50	0	8.496E+06	1.110E-01	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-            CONTROL-            CODED  
NO            COUNTY            NO            IPE   SECTION-JOB            BY            DATE  
Any                            Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010            (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
19            Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	4.749E-01		0.000E+00		0.000E+00
0	0.000E+00	4.624E-01	-1.250E-02	2.751E+02	2.751E+02	0.000E+00
1	1.000E+00	4.500E-01	-1.243E-02	5.930E+02	2.983E+02	0.000E+00
2	2.000E+00	4.376E-01	-1.236E-02	6.357E+02	2.327E+01	0.000E+00
3	3.000E+00	4.253E-01	-1.229E-02	6.785E+02	2.338E+01	0.000E+00
4	4.000E+00	4.131E-01	-1.221E-02	7.212E+02	2.349E+01	0.000E+00
5	5.000E+00	4.010E-01	-1.212E-02	7.639E+02	2.360E+01	0.000E+00
6	6.000E+00	3.890E-01	-1.203E-02	8.066E+02	2.371E+01	0.000E+00
7	7.000E+00	3.770E-01	-1.194E-02	8.493E+02	2.382E+01	0.000E+00
8	8.000E+00	3.652E-01	-1.184E-02	8.919E+02	2.393E+01	0.000E+00
9	9.000E+00	3.535E-01	-1.173E-02	9.344E+02	2.404E+01	0.000E+00
10	1.000E+01	3.418E-01	-1.162E-02	9.769E+02	2.415E+01	0.000E+00
11	1.100E+01	3.303E-01	-1.151E-02	1.019E+03	2.427E+01	0.000E+00
12	1.200E+01	3.189E-01	-1.139E-02	1.062E+03	2.438E+01	0.000E+00
13	1.300E+01	3.077E-01	-1.126E-02	1.104E+03	2.449E+01	0.000E+00
14	1.400E+01	2.965E-01	-1.113E-02	1.146E+03	2.460E+01	0.000E+00
15	1.500E+01	2.855E-01	-1.100E-02	1.188E+03	2.471E+01	0.000E+00
16	1.600E+01	2.747E-01	-1.086E-02	1.230E+03	2.482E+01	0.000E+00
17	1.700E+01	2.640E-01	-1.072E-02	1.272E+03	2.493E+01	0.000E+00
18	1.800E+01	2.534E-01	-1.057E-02	1.314E+03	2.504E+01	0.000E+00
19	1.900E+01	2.430E-01	-1.041E-02	1.355E+03	2.515E+01	0.000E+00
20	2.000E+01	2.327E-01	-1.025E-02	1.397E+03	2.526E+01	0.000E+00
21	2.100E+01	2.226E-01	-1.009E-02	1.438E+03	2.538E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.127E-01	-9.918E-03	1.479E+03	2.549E+01	0.000E+00
23	2.300E+01	2.030E-01	-9.744E-03	1.520E+03	2.560E+01	0.000E+00
24	2.400E+01	1.934E-01	-9.565E-03	1.561E+03	2.571E+01	0.000E+00
25	2.500E+01	1.840E-01	-9.381E-03	1.601E+03	2.582E+01	0.000E+00
26	2.600E+01	1.748E-01	-9.193E-03	1.642E+03	2.593E+01	0.000E+00
27	2.700E+01	1.658E-01	-8.999E-03	1.682E+03	2.604E+01	0.000E+00
28	2.800E+01	1.570E-01	-8.801E-03	1.722E+03	2.615E+01	0.000E+00
29	2.900E+01	1.484E-01	-8.599E-03	1.762E+03	2.626E+01	0.000E+00
30	3.000E+01	1.401E-01	-8.391E-03	1.801E+03	2.637E+01	0.000E+00
31	3.100E+01	1.319E-01	-8.179E-03	1.841E+03	2.649E+01	0.000E+00
32	3.200E+01	1.239E-01	-7.963E-03	1.880E+03	2.660E+01	0.000E+00
33	3.300E+01	1.162E-01	-7.741E-03	1.919E+03	2.671E+01	0.000E+00
34	3.400E+01	1.087E-01	-7.516E-03	1.958E+03	2.682E+01	0.000E+00
35	3.500E+01	1.014E-01	-7.285E-03	1.996E+03	2.693E+01	0.000E+00
36	3.600E+01	9.432E-02	-7.050E-03	2.034E+03	2.704E+01	0.000E+00
37	3.700E+01	8.751E-02	-6.811E-03	2.072E+03	2.715E+01	0.000E+00
38	3.800E+01	8.094E-02	-6.567E-03	2.110E+03	2.726E+01	0.000E+00
39	3.900E+01	7.462E-02	-6.319E-03	2.147E+03	2.737E+01	0.000E+00
40	4.000E+01	6.855E-02	-6.066E-03	2.184E+03	2.748E+01	0.000E+00
41	4.100E+01	6.275E-02	-5.809E-03	2.221E+03	2.760E+01	0.000E+00
42	4.200E+01	5.720E-02	-5.547E-03	2.257E+03	2.771E+01	0.000E+00
43	4.300E+01	5.192E-02	-5.282E-03	2.293E+03	2.782E+01	0.000E+00
44	4.400E+01	4.690E-02	-5.012E-03	2.329E+03	2.793E+01	0.000E+00
45	4.500E+01	4.217E-02	-4.738E-03	2.365E+03	2.804E+01	0.000E+00
46	4.600E+01	3.771E-02	-4.459E-03	2.400E+03	2.815E+01	0.000E+00
47	4.700E+01	3.353E-02	-4.177E-03	2.435E+03	2.826E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.964E-02	-3.890E-03	2.469E+03	2.837E+01	0.000E+00
49	4.900E+01	2.604E-02	-3.600E-03	2.503E+03	2.848E+01	0.000E+00
50	5.000E+01	2.274E-02	-3.305E-03	2.537E+03	2.859E+01	0.000E+00
51	5.100E+01	1.968E-02	-3.060E-03	2.571E+03	2.865E+01	0.000E+00
52	5.200E+01	1.683E-02	-2.850E-03	2.604E+03	2.865E+01	0.000E+00
53	5.300E+01	1.419E-02	-2.637E-03	2.637E+03	2.865E+01	0.000E+00
54	5.400E+01	1.177E-02	-2.421E-03	2.669E+03	2.865E+01	0.000E+00
55	5.500E+01	9.568E-03	-2.202E-03	2.701E+03	2.865E+01	0.000E+00
56	5.600E+01	7.586E-03	-1.981E-03	2.733E+03	2.865E+01	0.000E+00
57	5.700E+01	5.829E-03	-1.758E-03	2.764E+03	2.865E+01	0.000E+00
58	5.800E+01	4.297E-03	-1.531E-03	2.796E+03	2.865E+01	0.000E+00
59	5.900E+01	2.995E-03	-1.303E-03	2.826E+03	2.865E+01	0.000E+00
60	6.000E+01	1.923E-03	-1.071E-03	2.857E+03	2.865E+01	0.000E+00
61	6.100E+01	1.086E-03	-8.376E-04	2.887E+03	2.865E+01	0.000E+00
62	6.200E+01	4.844E-04	-6.014E-04	2.916E+03	2.865E+01	0.000E+00
63	6.300E+01	1.217E-04	-3.627E-04	2.945E+03	2.865E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.217E-04	1.487E+03	-1.458E+03	-2.865E+01
65	6.500E+01	1.217E-04	1.217E-04	0.000E+00	-1.487E+03	0.000E+00

PROB (CONTD)

19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	4.749E-01	999		4.749E-01	0		0.000E+00	999		0.000E+00	999	
0	4.624E-01	0		4.624E-01	999		2.751E+02	999		2.751E+02	999	
1	4.500E-01	0		4.500E-01	999		5.930E+02	999		5.930E+02	999	
2	4.376E-01	0		4.376E-01	999		6.357E+02	999		6.357E+02	999	
3	4.253E-01	999		4.253E-01	0		6.785E+02	999		6.785E+02	999	
4	4.131E-01	0		4.131E-01	999		7.212E+02	999		7.212E+02	999	
5	4.010E-01	999		4.010E-01	0		7.639E+02	999		7.639E+02	999	
6	3.890E-01	999		3.890E-01	0		8.066E+02	999		8.066E+02	999	
7	3.770E-01	0		3.770E-01	999		8.493E+02	999		8.493E+02	999	
8	3.652E-01	999		3.652E-01	0		8.919E+02	999		8.919E+02	999	
9	3.535E-01	0		3.535E-01	999		9.344E+02	999		9.344E+02	999	
10	3.418E-01	999		3.418E-01	0		9.769E+02	999		9.769E+02	999	
11	3.303E-01	0		3.303E-01	999		1.019E+03	999		1.019E+03	999	
12	3.189E-01	999		3.189E-01	0		1.062E+03	999		1.062E+03	999	
13	3.077E-01	0		3.077E-01	999		1.104E+03	999		1.104E+03	999	
14	2.965E-01	0		2.965E-01	999		1.146E+03	999		1.146E+03	999	
15	2.855E-01	999		2.855E-01	0		1.188E+03	999		1.188E+03	999	
16	2.747E-01	999		2.747E-01	0		1.230E+03	999		1.230E+03	999	
17	2.640E-01	0		2.640E-01	999		1.272E+03	999		1.272E+03	999	
18	2.534E-01	999		2.534E-01	0		1.314E+03	999		1.314E+03	999	
19	2.430E-01	0		2.430E-01	999		1.355E+03	999		1.355E+03	999	
20	2.327E-01	0		2.327E-01	999		1.397E+03	999		1.397E+03	999	
21	2.226E-01	999		2.226E-01	0		1.438E+03	999		1.438E+03	999	
22	2.127E-01	0		2.127E-01	999		1.479E+03	999		1.479E+03	999	
23	2.030E-01	999		2.030E-01	0		1.520E+03	999		1.520E+03	999	
24	1.934E-01	0		1.934E-01	999		1.561E+03	999		1.561E+03	999	
25	1.840E-01	999		1.840E-01	0		1.601E+03	999		1.601E+03	999	
26	1.748E-01	0		1.748E-01	999		1.642E+03	999		1.642E+03	999	
27	1.658E-01	999		1.658E-01	0		1.682E+03	999		1.682E+03	999	
28	1.570E-01	999		1.570E-01	0		1.722E+03	999		1.722E+03	999	
29	1.484E-01	999		1.484E-01	0		1.762E+03	999		1.762E+03	999	
30	1.401E-01	0		1.401E-01	999		1.801E+03	999		1.801E+03	999	
31	1.319E-01	0		1.319E-01	999		1.841E+03	999		1.841E+03	999	
32	1.239E-01	999		1.239E-01	0		1.880E+03	999		1.880E+03	999	
33	1.162E-01	0		1.162E-01	999		1.919E+03	999		1.919E+03	999	
34	1.087E-01	0		1.087E-01	999		1.958E+03	999		1.958E+03	999	
35	1.014E-01	0		1.014E-01	999		1.996E+03	999		1.996E+03	999	
36	9.432E-02	0		9.432E-02	999		2.034E+03	999		2.034E+03	999	
37	8.751E-02	999		8.751E-02	0		2.072E+03	999		2.072E+03	999	
38	8.094E-02	999		8.094E-02	0		2.110E+03	999		2.110E+03	999	
39	7.462E-02	999		7.462E-02	0		2.147E+03	999		2.147E+03	999	
40	6.855E-02	999		6.855E-02	0		2.184E+03	999		2.184E+03	999	
41	6.275E-02	999		6.275E-02	0		2.221E+03	999		2.221E+03	999	
42	5.720E-02	999		5.720E-02	0		2.257E+03	999		2.257E+03	999	
43	5.192E-02	0		5.192E-02	999		2.293E+03	999		2.293E+03	999	
44	4.690E-02	999		4.690E-02	0		2.329E+03	999		2.329E+03	999	
45	4.217E-02	0		4.217E-02	999		2.365E+03	999		2.365E+03	999	
46	3.771E-02	999		3.771E-02	0		2.400E+03	999		2.400E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.353E-02		999	3.353E-02		0	2.435E+03		999	2.435E+03		999
48	2.964E-02		999	2.964E-02		0	2.469E+03		999	2.469E+03		999
49	2.604E-02		0	2.604E-02		999	2.503E+03		999	2.503E+03		999
50	2.274E-02		0	2.274E-02		999	2.537E+03		999	2.537E+03		999
51	1.968E-02		999	1.968E-02		0	2.571E+03		999	2.571E+03		999
52	1.683E-02		999	1.683E-02		0	2.604E+03		999	2.604E+03		999
53	1.419E-02		0	1.419E-02		999	2.637E+03		999	2.637E+03		999
54	1.177E-02		0	1.177E-02		999	2.669E+03		999	2.669E+03		999
55	9.568E-03		999	9.568E-03		0	2.701E+03		999	2.701E+03		999
56	7.586E-03		999	7.586E-03		0	2.733E+03		999	2.733E+03		999
57	5.829E-03		999	5.829E-03		0	2.764E+03		999	2.764E+03		999
58	4.297E-03		0	4.297E-03		999	2.796E+03		999	2.796E+03		999
59	2.995E-03		0	2.995E-03		999	2.826E+03		999	2.826E+03		999
60	1.923E-03		0	1.923E-03		999	2.857E+03		999	2.857E+03		999
61	1.086E-03		999	1.086E-03		0	2.887E+03		999	2.887E+03		999
62	4.844E-04		999	4.844E-04		0	2.916E+03		999	2.916E+03		999
63	1.217E-04		999	1.217E-04		0	2.945E+03		999	2.945E+03		999
64	0.000E+00		999	0.000E+00		999	1.487E+03		999	1.487E+03		999
65	1.217E-04		999	1.217E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	2.751E+02 999	2.751E+02 999	0.000E+00 999	0.000E+00 999
1	2.983E+02 999	2.983E+02 999	0.000E+00 999	0.000E+00 999
2	2.327E+01 999	2.327E+01 999	0.000E+00 999	0.000E+00 999
3	2.338E+01 999	2.338E+01 999	0.000E+00 999	0.000E+00 999
4	2.349E+01 999	2.349E+01 999	0.000E+00 999	0.000E+00 999
5	2.360E+01 999	2.360E+01 999	0.000E+00 999	0.000E+00 999
6	2.371E+01 999	2.371E+01 999	0.000E+00 999	0.000E+00 999
7	2.382E+01 999	2.382E+01 999	0.000E+00 999	0.000E+00 999
8	2.393E+01 999	2.393E+01 999	0.000E+00 999	0.000E+00 999
9	2.404E+01 999	2.404E+01 999	0.000E+00 999	0.000E+00 999
10	2.415E+01 999	2.415E+01 999	0.000E+00 999	0.000E+00 999
11	2.427E+01 999	2.427E+01 999	0.000E+00 999	0.000E+00 999
12	2.438E+01 999	2.438E+01 999	0.000E+00 999	0.000E+00 999
13	2.449E+01 999	2.449E+01 999	0.000E+00 999	0.000E+00 999
14	2.460E+01 999	2.460E+01 999	0.000E+00 999	0.000E+00 999
15	2.471E+01 999	2.471E+01 999	0.000E+00 999	0.000E+00 999
16	2.482E+01 999	2.482E+01 999	0.000E+00 999	0.000E+00 999
17	2.493E+01 999	2.493E+01 999	0.000E+00 999	0.000E+00 999
18	2.504E+01 999	2.504E+01 999	0.000E+00 999	0.000E+00 999
19	2.515E+01 999	2.515E+01 999	0.000E+00 999	0.000E+00 999
20	2.526E+01 999	2.526E+01 999	0.000E+00 999	0.000E+00 999
21	2.538E+01 999	2.538E+01 999	0.000E+00 999	0.000E+00 999
22	2.549E+01 999	2.549E+01 999	0.000E+00 999	0.000E+00 999
23	2.560E+01 999	2.560E+01 999	0.000E+00 999	0.000E+00 999
24	2.571E+01 999	2.571E+01 999	0.000E+00 999	0.000E+00 999
25	2.582E+01 999	2.582E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.593E+01 999	2.593E+01 999	0.000E+00 999	0.000E+00 999
27	2.604E+01 999	2.604E+01 999	0.000E+00 999	0.000E+00 999
28	2.615E+01 999	2.615E+01 999	0.000E+00 999	0.000E+00 999
29	2.626E+01 999	2.626E+01 999	0.000E+00 999	0.000E+00 999
30	2.637E+01 999	2.637E+01 999	0.000E+00 999	0.000E+00 999
31	2.649E+01 999	2.649E+01 999	0.000E+00 999	0.000E+00 999
32	2.660E+01 999	2.660E+01 999	0.000E+00 999	0.000E+00 999
33	2.671E+01 999	2.671E+01 999	0.000E+00 999	0.000E+00 999
34	2.682E+01 999	2.682E+01 999	0.000E+00 999	0.000E+00 999
35	2.693E+01 999	2.693E+01 999	0.000E+00 999	0.000E+00 999
36	2.704E+01 999	2.704E+01 999	0.000E+00 999	0.000E+00 999
37	2.715E+01 999	2.715E+01 999	0.000E+00 999	0.000E+00 999
38	2.726E+01 999	2.726E+01 999	0.000E+00 999	0.000E+00 999
39	2.737E+01 999	2.737E+01 999	0.000E+00 999	0.000E+00 999
40	2.748E+01 999	2.748E+01 999	0.000E+00 999	0.000E+00 999
41	2.760E+01 999	2.760E+01 999	0.000E+00 999	0.000E+00 999
42	2.771E+01 999	2.771E+01 999	0.000E+00 999	0.000E+00 999
43	2.782E+01 999	2.782E+01 999	0.000E+00 999	0.000E+00 999
44	2.793E+01 999	2.793E+01 999	0.000E+00 999	0.000E+00 999
45	2.804E+01 999	2.804E+01 999	0.000E+00 999	0.000E+00 999
46	2.815E+01 999	2.815E+01 999	0.000E+00 999	0.000E+00 999
47	2.826E+01 999	2.826E+01 999	0.000E+00 999	0.000E+00 999
48	2.837E+01 999	2.837E+01 999	0.000E+00 999	0.000E+00 999
49	2.848E+01 999	2.848E+01 999	0.000E+00 999	0.000E+00 999
50	2.859E+01 999	2.859E+01 999	0.000E+00 999	0.000E+00 999
51	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
53	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
54	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
55	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
56	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
57	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
58	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
59	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
60	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
61	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
62	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
63	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
64	-1.458E+03 999	-1.458E+03 999	-2.865E+01 999	-2.865E+01 999
65	-1.487E+03 999	-1.487E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	3.580E+01	0.000E+00	3.755E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	3.200E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength V Load Cases w/ Impact ~ LRFD Column Design Example, Bent 2

PROB  
20        Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.992E-01		0.000E+00		0.000E+00
0	0.000E+00	1.920E-01	-7.210E-03	1.878E+03	1.878E+03	0.000E+00
1	1.000E+00	1.849E-01	-7.099E-03	3.802E+03	1.914E+03	0.000E+00
2	2.000E+00	1.779E-01	-6.987E-03	3.849E+03	3.585E+01	0.000E+00
3	3.000E+00	1.710E-01	-6.874E-03	3.896E+03	3.588E+01	0.000E+00
4	4.000E+00	1.643E-01	-6.759E-03	3.943E+03	3.591E+01	0.000E+00
5	5.000E+00	1.643E-01	-6.643E-03	3.943E+03	3.594E+01	0.000E+00
6	6.000E+00	1.576E-01	-6.526E-03	3.989E+03	3.598E+01	0.000E+00
7	7.000E+00	1.511E-01	-6.407E-03	4.035E+03	3.598E+01	0.000E+00
8	8.000E+00	1.447E-01	-6.407E-03	4.081E+03	3.601E+01	0.000E+00
9	9.000E+00	1.384E-01	-6.287E-03	4.127E+03	3.604E+01	0.000E+00
10	1.000E+01	1.322E-01	-6.166E-03	4.173E+03	3.607E+01	0.000E+00
11	1.100E+01	1.262E-01	-6.043E-03	4.219E+03	3.610E+01	0.000E+00
12	1.200E+01	1.203E-01	-5.919E-03	4.264E+03	3.614E+01	0.000E+00
13	1.300E+01	1.145E-01	-5.793E-03	4.310E+03	3.617E+01	0.000E+00
14	1.400E+01	1.088E-01	-5.666E-03	4.355E+03	3.620E+01	0.000E+00
15	1.500E+01	1.033E-01	-5.538E-03	4.400E+03	3.623E+01	0.000E+00
16	1.600E+01	9.786E-02	-5.409E-03	4.444E+03	3.626E+01	0.000E+00
17	1.700E+01	9.258E-02	-5.278E-03	4.489E+03	3.630E+01	0.000E+00
18	1.800E+01	8.743E-02	-5.146E-03	4.533E+03	3.633E+01	0.000E+00
19	1.900E+01	8.242E-02	-5.012E-03	4.578E+03	3.636E+01	0.000E+00
20	2.000E+01	7.754E-02	-4.878E-03	4.622E+03	3.639E+01	0.000E+00
21	2.100E+01	7.280E-02	-4.742E-03	4.666E+03	3.642E+01	0.000E+00
		6.820E-02	-4.604E-03	4.709E+03	3.646E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	6.373E-02	-4.466E-03	4.753E+03	3.649E+01	0.000E+00
23	2.300E+01	5.940E-02	-4.326E-03	4.796E+03	3.652E+01	0.000E+00
24	2.400E+01	5.522E-02	-4.185E-03	4.839E+03	3.655E+01	0.000E+00
25	2.500E+01	5.118E-02	-4.042E-03	4.882E+03	3.658E+01	0.000E+00
26	2.600E+01	4.728E-02	-3.899E-03	4.925E+03	3.662E+01	0.000E+00
27	2.700E+01	4.353E-02	-3.754E-03	4.968E+03	3.665E+01	0.000E+00
28	2.800E+01	3.992E-02	-3.607E-03	5.010E+03	3.668E+01	0.000E+00
29	2.900E+01	3.646E-02	-3.460E-03	5.052E+03	3.671E+01	0.000E+00
30	3.000E+01	3.315E-02	-3.311E-03	5.094E+03	3.674E+01	0.000E+00
31	3.100E+01	2.999E-02	-3.161E-03	5.136E+03	3.678E+01	0.000E+00
32	3.200E+01	2.697E-02	-3.010E-03	5.178E+03	3.681E+01	0.000E+00
33	3.300E+01	2.412E-02	-2.858E-03	5.219E+03	3.684E+01	0.000E+00
34	3.400E+01	2.141E-02	-2.704E-03	5.260E+03	3.687E+01	0.000E+00
35	3.500E+01	1.886E-02	-2.550E-03	5.301E+03	3.690E+01	0.000E+00
36	3.600E+01	1.647E-02	-2.394E-03	5.342E+03	3.694E+01	0.000E+00
37	3.700E+01	1.423E-02	-2.236E-03	5.382E+03	3.697E+01	0.000E+00
38	3.800E+01	1.216E-02	-2.078E-03	5.422E+03	3.700E+01	0.000E+00
39	3.900E+01	1.024E-02	-1.918E-03	5.462E+03	3.703E+01	0.000E+00
40	4.000E+01	8.480E-03	-1.758E-03	5.502E+03	3.706E+01	0.000E+00
41	4.100E+01	6.884E-03	-1.596E-03	5.542E+03	3.710E+01	0.000E+00
42	4.200E+01	5.451E-03	-1.433E-03	5.581E+03	3.713E+01	0.000E+00
43	4.300E+01	4.183E-03	-1.268E-03	5.620E+03	3.716E+01	0.000E+00
44	4.400E+01	3.080E-03	-1.103E-03	5.659E+03	3.719E+01	0.000E+00
45	4.500E+01	2.144E-03	-9.363E-04	5.698E+03	3.722E+01	0.000E+00
46	4.600E+01	1.375E-03	-7.687E-04	5.737E+03	3.726E+01	0.000E+00
47	4.700E+01	7.753E-04	-5.998E-04	5.775E+03	3.729E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.455E-04	-4.299E-04	5.813E+03	3.732E+01	0.000E+00
49	4.900E+01	8.664E-05	-2.588E-04	5.851E+03	3.735E+01	0.000E+00
50	5.000E+01	0.000E+00	-8.664E-05	2.944E+03	-2.907E+03	-3.740E+01
51	5.100E+01	8.664E-05	8.664E-05	0.000E+00	-2.944E+03	0.000E+00

PROB (CONTD)

20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.992E-01	999		1.992E-01	0		0.000E+00	999		0.000E+00	999	
0	1.920E-01	999		1.920E-01	0		1.878E+03	999		1.878E+03	999	
1	1.849E-01	0		1.849E-01	999		3.802E+03	999		3.802E+03	999	
2	1.779E-01	999		1.779E-01	0		3.849E+03	999		3.849E+03	999	
3	1.710E-01	999		1.710E-01	0		3.896E+03	999		3.896E+03	999	
4	1.643E-01	999		1.643E-01	0		3.943E+03	999		3.943E+03	999	
5	1.576E-01	999		1.576E-01	0		3.989E+03	999		3.989E+03	999	
6	1.511E-01	999		1.511E-01	0		4.035E+03	999		4.035E+03	999	
7	1.447E-01	999		1.447E-01	0		4.081E+03	999		4.081E+03	999	
8	1.384E-01	999		1.384E-01	0		4.127E+03	999		4.127E+03	999	
9	1.322E-01	0		1.322E-01	999		4.173E+03	999		4.173E+03	999	
10	1.262E-01	0		1.262E-01	999		4.219E+03	999		4.219E+03	999	
11	1.203E-01	999		1.203E-01	0		4.264E+03	999		4.264E+03	999	
12	1.145E-01	999		1.145E-01	0		4.310E+03	999		4.310E+03	999	
13	1.088E-01	999		1.088E-01	0		4.355E+03	999		4.355E+03	999	
14	1.033E-01	0		1.033E-01	999		4.400E+03	999		4.400E+03	999	
15	9.786E-02	999		9.786E-02	0		4.444E+03	999		4.444E+03	999	
16	9.258E-02	0		9.258E-02	999		4.489E+03	999		4.489E+03	999	
17	8.743E-02	999		8.743E-02	0		4.533E+03	999		4.533E+03	999	
18	8.242E-02	0		8.242E-02	999		4.578E+03	999		4.578E+03	999	
19	7.754E-02	0		7.754E-02	999		4.622E+03	999		4.622E+03	999	
20	7.280E-02	999		7.280E-02	0		4.666E+03	999		4.666E+03	999	
21	6.820E-02	999		6.820E-02	0		4.709E+03	999		4.709E+03	999	
22	6.373E-02	0		6.373E-02	999		4.753E+03	999		4.753E+03	999	
23	5.940E-02	999		5.940E-02	0		4.796E+03	999		4.796E+03	999	
24	5.522E-02	0		5.522E-02	999		4.839E+03	999		4.839E+03	999	
25	5.118E-02	0		5.118E-02	999		4.882E+03	999		4.882E+03	999	
26	4.728E-02	999		4.728E-02	0		4.925E+03	999		4.925E+03	999	
27	4.353E-02	999		4.353E-02	0		4.968E+03	999		4.968E+03	999	
28	3.992E-02	999		3.992E-02	0		5.010E+03	999		5.010E+03	999	
29	3.646E-02	999		3.646E-02	0		5.052E+03	999		5.052E+03	999	
30	3.315E-02	999		3.315E-02	0		5.094E+03	999		5.094E+03	999	
31	2.999E-02	999		2.999E-02	0		5.136E+03	999		5.136E+03	999	
32	2.697E-02	0		2.697E-02	999		5.178E+03	999		5.178E+03	999	
33	2.412E-02	0		2.412E-02	999		5.219E+03	999		5.219E+03	999	
34	2.141E-02	0		2.141E-02	999		5.260E+03	999		5.260E+03	999	
35	1.886E-02	0		1.886E-02	999		5.301E+03	999		5.301E+03	999	
36	1.647E-02	999		1.647E-02	0		5.342E+03	999		5.342E+03	999	
37	1.423E-02	0		1.423E-02	999		5.382E+03	999		5.382E+03	999	
38	1.216E-02	999		1.216E-02	0		5.422E+03	999		5.422E+03	999	
39	1.024E-02	999		1.024E-02	0		5.462E+03	999		5.462E+03	999	
40	8.480E-03	999		8.480E-03	0		5.502E+03	999		5.502E+03	999	
41	6.884E-03	0		6.884E-03	999		5.542E+03	999		5.542E+03	999	
42	5.451E-03	0		5.451E-03	999		5.581E+03	999		5.581E+03	999	
43	4.183E-03	999		4.183E-03	0		5.620E+03	999		5.620E+03	999	
44	3.080E-03	999		3.080E-03	0		5.659E+03	999		5.659E+03	999	
45	2.144E-03	999		2.144E-03	0		5.698E+03	999		5.698E+03	999	
46	1.375E-03	999		1.375E-03	0		5.737E+03	999		5.737E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	7.753E-04	999		7.753E-04	0		5.775E+03	999		5.775E+03	999	
48	3.455E-04	999		3.455E-04	0		5.813E+03	999		5.813E+03	999	
49	8.664E-05	999		8.664E-05	0		5.851E+03	999		5.851E+03	999	
50	0.000E+00	999		0.000E+00	999		2.944E+03	999		2.944E+03	999	
51	8.664E-05	999		8.664E-05	0		0.000E+00	999		0.000E+00	999	



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.878E+03 999	1.878E+03 999	0.000E+00 999	0.000E+00 999
0	1.914E+03 999	1.914E+03 999	0.000E+00 999	0.000E+00 999
1	3.585E+01 999	3.585E+01 999	0.000E+00 999	0.000E+00 999
2	3.588E+01 999	3.588E+01 999	0.000E+00 999	0.000E+00 999
3	3.591E+01 999	3.591E+01 999	0.000E+00 999	0.000E+00 999
4	3.594E+01 999	3.594E+01 999	0.000E+00 999	0.000E+00 999
5	3.598E+01 999	3.598E+01 999	0.000E+00 999	0.000E+00 999
6	3.601E+01 999	3.601E+01 999	0.000E+00 999	0.000E+00 999
7	3.604E+01 999	3.604E+01 999	0.000E+00 999	0.000E+00 999
8	3.607E+01 999	3.607E+01 999	0.000E+00 999	0.000E+00 999
9	3.610E+01 999	3.610E+01 999	0.000E+00 999	0.000E+00 999
10	3.614E+01 999	3.614E+01 999	0.000E+00 999	0.000E+00 999
11	3.617E+01 999	3.617E+01 999	0.000E+00 999	0.000E+00 999
12	3.620E+01 999	3.620E+01 999	0.000E+00 999	0.000E+00 999
13	3.623E+01 999	3.623E+01 999	0.000E+00 999	0.000E+00 999
14	3.626E+01 999	3.626E+01 999	0.000E+00 999	0.000E+00 999
15	3.630E+01 999	3.630E+01 999	0.000E+00 999	0.000E+00 999
16	3.633E+01 999	3.633E+01 999	0.000E+00 999	0.000E+00 999
17	3.636E+01 999	3.636E+01 999	0.000E+00 999	0.000E+00 999
18	3.639E+01 999	3.639E+01 999	0.000E+00 999	0.000E+00 999
19	3.642E+01 999	3.642E+01 999	0.000E+00 999	0.000E+00 999
20	3.646E+01 999	3.646E+01 999	0.000E+00 999	0.000E+00 999
21	3.649E+01 999	3.649E+01 999	0.000E+00 999	0.000E+00 999
22	3.652E+01 999	3.652E+01 999	0.000E+00 999	0.000E+00 999
23	3.655E+01 999	3.655E+01 999	0.000E+00 999	0.000E+00 999
24	3.658E+01 999	3.658E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.662E+01 999	3.662E+01 999	0.000E+00 999	0.000E+00 999
27	3.665E+01 999	3.665E+01 999	0.000E+00 999	0.000E+00 999
28	3.668E+01 999	3.668E+01 999	0.000E+00 999	0.000E+00 999
29	3.671E+01 999	3.671E+01 999	0.000E+00 999	0.000E+00 999
30	3.674E+01 999	3.674E+01 999	0.000E+00 999	0.000E+00 999
31	3.678E+01 999	3.678E+01 999	0.000E+00 999	0.000E+00 999
32	3.681E+01 999	3.681E+01 999	0.000E+00 999	0.000E+00 999
33	3.684E+01 999	3.684E+01 999	0.000E+00 999	0.000E+00 999
34	3.687E+01 999	3.687E+01 999	0.000E+00 999	0.000E+00 999
35	3.690E+01 999	3.690E+01 999	0.000E+00 999	0.000E+00 999
36	3.694E+01 999	3.694E+01 999	0.000E+00 999	0.000E+00 999
37	3.697E+01 999	3.697E+01 999	0.000E+00 999	0.000E+00 999
38	3.700E+01 999	3.700E+01 999	0.000E+00 999	0.000E+00 999
39	3.703E+01 999	3.703E+01 999	0.000E+00 999	0.000E+00 999
40	3.706E+01 999	3.706E+01 999	0.000E+00 999	0.000E+00 999
41	3.710E+01 999	3.710E+01 999	0.000E+00 999	0.000E+00 999
42	3.713E+01 999	3.713E+01 999	0.000E+00 999	0.000E+00 999
43	3.716E+01 999	3.716E+01 999	0.000E+00 999	0.000E+00 999
44	3.719E+01 999	3.719E+01 999	0.000E+00 999	0.000E+00 999
45	3.722E+01 999	3.722E+01 999	0.000E+00 999	0.000E+00 999
46	3.726E+01 999	3.726E+01 999	0.000E+00 999	0.000E+00 999
47	3.729E+01 999	3.729E+01 999	0.000E+00 999	0.000E+00 999
48	3.732E+01 999	3.732E+01 999	0.000E+00 999	0.000E+00 999
49	3.735E+01 999	3.735E+01 999	0.000E+00 999	0.000E+00 999
50	-2.907E+03 999	-2.907E+03 999	-3.740E+01 999	-3.740E+01 999
51	-2.944E+03 999	-2.944E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

# BMCOL Model 2

## BMCOL51 Model 2 - Strength I Input File

Strength I	Any	Any	XXXX	XXXX-XX-XXX	Brg				(ft & kips)
1	Load Cases w/	Impact, fixed	long. def	~ LRFD	Column	Design	Example,	Bent	2
1	Live Load Case A, Water Case 1				- about	x-Axis			
				1	2	3		0	
64			1.0		0	0	0	1	
0	1		0.387						
64	3		0.0	0.0					
0	0			31.1			1063.8		-2587.9
0	50		8.496E+06	0.000					-2587.9
50	64		1.222E+07	0.000					-2587.9
2	Live Load Case A, Water Case 1				- about	y-Axis			
				1	1	2		0	
50			1.0		0	0	0	1	
50	3		0.0	0.0					
0	0			72.0			1036.3		-2587.9
0	50		3.398E+07	0.000					-2587.9
3	Live Load Case B, Water Case 1				- about	x-Axis			
				1	2	3		0	
64			1.0		0	0	0	1	
0	1		0.387						
64	3		0.0	0.0					
0	0			14.6			540.3	0	-1651.7
0	50		8.496E+06	0.000					-1651.7
50	64		1.222E+07	0.000					-1651.7
4	Live Load Case B, Water Case 1				- about	y-Axis			
				1	1	2		0	
50			1.0		0	0	0	1	
50	3		0.0	0.0					
0	0			33.9			4747.9	0	-1651.7
0	50		3.398E+07	0.000					-1651.7

CEASE



## BMCOL51 Model 2 - Strength I Output File

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength I Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 1 Live Load Case A, Water Case 1 - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0	
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	3.110E+01	0.000E+00	1.064E+03	0.000E+00	-2.588E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.588E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.588E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength I Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 1 Live Load Case A, Water Case 1 - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.988E-01		0.000E+00		0.000E+00
			-1.178E-02		5.319E+02	
0	0.000E+00	3.870E-01		5.319E+02		-3.260E+01
			-1.166E-02		5.304E+02	
1	1.000E+00	3.753E-01		1.092E+03		0.000E+00
			-1.153E-02		-1.501E+00	
2	2.000E+00	3.638E-01		1.121E+03		0.000E+00
			-1.140E-02		-1.501E+00	
3	3.000E+00	3.524E-01		1.149E+03		0.000E+00
			-1.126E-02		-1.501E+00	
4	4.000E+00	3.411E-01		1.176E+03		0.000E+00
			-1.112E-02		-1.501E+00	
5	5.000E+00	3.300E-01		1.204E+03		0.000E+00
			-1.098E-02		-1.501E+00	
6	6.000E+00	3.190E-01		1.231E+03		0.000E+00
			-1.084E-02		-1.501E+00	
7	7.000E+00	3.082E-01		1.257E+03		0.000E+00
			-1.069E-02		-1.501E+00	
8	8.000E+00	2.975E-01		1.283E+03		0.000E+00
			-1.054E-02		-1.501E+00	
9	9.000E+00	2.870E-01		1.309E+03		0.000E+00
			-1.039E-02		-1.501E+00	
10	1.000E+01	2.766E-01		1.335E+03		0.000E+00
			-1.023E-02		-1.501E+00	
11	1.100E+01	2.664E-01		1.359E+03		0.000E+00
			-1.007E-02		-1.501E+00	
12	1.200E+01	2.563E-01		1.384E+03		0.000E+00
			-9.905E-03		-1.501E+00	
13	1.300E+01	2.464E-01		1.408E+03		0.000E+00
			-9.739E-03		-1.501E+00	
14	1.400E+01	2.366E-01		1.432E+03		0.000E+00
			-9.571E-03		-1.501E+00	
15	1.500E+01	2.271E-01		1.455E+03		0.000E+00
			-9.400E-03		-1.501E+00	
16	1.600E+01	2.177E-01		1.478E+03		0.000E+00
			-9.226E-03		-1.501E+00	
17	1.700E+01	2.085E-01		1.500E+03		0.000E+00
			-9.049E-03		-1.501E+00	
18	1.800E+01	1.994E-01		1.522E+03		0.000E+00
			-8.870E-03		-1.501E+00	
19	1.900E+01	1.905E-01		1.544E+03		0.000E+00
			-8.688E-03		-1.501E+00	
20	2.000E+01	1.818E-01		1.565E+03		0.000E+00
			-8.504E-03		-1.501E+00	
21	2.100E+01	1.733E-01		1.585E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.650E-01	-8.317E-03	1.605E+03	-1.501E+00	0.000E+00
23	2.300E+01	1.569E-01	-8.128E-03	1.625E+03	-1.501E+00	0.000E+00
24	2.400E+01	1.490E-01	-7.937E-03	1.644E+03	-1.501E+00	0.000E+00
25	2.500E+01	1.412E-01	-7.744E-03	1.662E+03	-1.501E+00	0.000E+00
26	2.600E+01	1.337E-01	-7.548E-03	1.680E+03	-1.501E+00	0.000E+00
27	2.700E+01	1.263E-01	-7.350E-03	1.698E+03	-1.501E+00	0.000E+00
28	2.800E+01	1.192E-01	-7.150E-03	1.715E+03	-1.501E+00	0.000E+00
29	2.900E+01	1.122E-01	-6.949E-03	1.731E+03	-1.501E+00	0.000E+00
30	3.000E+01	1.055E-01	-6.745E-03	1.747E+03	-1.501E+00	0.000E+00
31	3.100E+01	9.893E-02	-6.539E-03	1.763E+03	-1.501E+00	0.000E+00
32	3.200E+01	9.260E-02	-6.332E-03	1.778E+03	-1.501E+00	0.000E+00
33	3.300E+01	8.648E-02	-6.122E-03	1.792E+03	-1.501E+00	0.000E+00
34	3.400E+01	8.057E-02	-5.911E-03	1.806E+03	-1.501E+00	0.000E+00
35	3.500E+01	7.487E-02	-5.699E-03	1.819E+03	-1.501E+00	0.000E+00
36	3.600E+01	6.939E-02	-5.485E-03	1.832E+03	-1.501E+00	0.000E+00
37	3.700E+01	6.412E-02	-5.269E-03	1.844E+03	-1.501E+00	0.000E+00
38	3.800E+01	5.906E-02	-5.052E-03	1.855E+03	-1.501E+00	0.000E+00
39	3.900E+01	5.423E-02	-4.834E-03	1.866E+03	-1.501E+00	0.000E+00
40	4.000E+01	4.962E-02	-4.614E-03	1.877E+03	-1.501E+00	0.000E+00
41	4.100E+01	4.522E-02	-4.393E-03	1.887E+03	-1.501E+00	0.000E+00
42	4.200E+01	4.105E-02	-4.171E-03	1.896E+03	-1.501E+00	0.000E+00
43	4.300E+01	3.710E-02	-3.948E-03	1.905E+03	-1.501E+00	0.000E+00
44	4.400E+01	3.338E-02	-3.724E-03	1.913E+03	-1.501E+00	0.000E+00
45	4.500E+01	2.988E-02	-3.499E-03	1.920E+03	-1.501E+00	0.000E+00
46	4.600E+01	2.661E-02	-3.273E-03	1.927E+03	-1.501E+00	0.000E+00
47	4.700E+01	2.356E-02	-3.046E-03	1.934E+03	-1.501E+00	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.074E-02	-2.818E-03	1.940E+03	-1.501E+00	0.000E+00
49	4.900E+01	1.816E-02	-2.590E-03	1.945E+03	-1.501E+00	0.000E+00
50	5.000E+01	1.579E-02	-2.361E-03	1.949E+03	-1.501E+00	0.000E+00
51	5.100E+01	1.362E-02	-2.173E-03	1.954E+03	-1.501E+00	0.000E+00
52	5.200E+01	1.161E-02	-2.013E-03	1.957E+03	-1.501E+00	0.000E+00
53	5.300E+01	9.756E-03	-1.853E-03	1.961E+03	-1.501E+00	0.000E+00
54	5.400E+01	8.064E-03	-1.692E-03	1.963E+03	-1.501E+00	0.000E+00
55	5.500E+01	6.532E-03	-1.532E-03	1.966E+03	-1.501E+00	0.000E+00
56	5.600E+01	5.161E-03	-1.371E-03	1.968E+03	-1.501E+00	0.000E+00
57	5.700E+01	3.952E-03	-1.210E-03	1.970E+03	-1.501E+00	0.000E+00
58	5.800E+01	2.903E-03	-1.048E-03	1.971E+03	-1.501E+00	0.000E+00
59	5.900E+01	2.016E-03	-8.872E-04	1.972E+03	-1.501E+00	0.000E+00
60	6.000E+01	1.290E-03	-7.259E-04	1.972E+03	-1.501E+00	0.000E+00
61	6.100E+01	7.256E-04	-5.645E-04	1.972E+03	-1.501E+00	0.000E+00
62	6.200E+01	3.224E-04	-4.032E-04	1.971E+03	-1.501E+00	0.000E+00
63	6.300E+01	8.057E-05	-2.418E-04	1.971E+03	-1.501E+00	0.000E+00
64	6.400E+01	0.000E+00	-8.057E-05	9.846E+02	-9.861E+02	1.501E+00
65	6.500E+01	8.057E-05	8.057E-05	0.000E+00	-9.846E+02	0.000E+00

PROB (CONTD)

1 Live Load Case A, Water Case 1 - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.988E-01	999		3.988E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		5.319E+02	999		5.319E+02	999	
1	3.753E-01	999		3.753E-01	0		1.092E+03	999		1.092E+03	999	
2	3.638E-01	0		3.638E-01	999		1.121E+03	999		1.121E+03	999	
3	3.524E-01	0		3.524E-01	999		1.149E+03	999		1.149E+03	999	
4	3.411E-01	0		3.411E-01	999		1.176E+03	999		1.176E+03	999	
5	3.300E-01	999		3.300E-01	0		1.204E+03	999		1.204E+03	999	
6	3.190E-01	0		3.190E-01	999		1.231E+03	999		1.231E+03	999	
7	3.082E-01	0		3.082E-01	999		1.257E+03	999		1.257E+03	999	
8	2.975E-01	0		2.975E-01	999		1.283E+03	999		1.283E+03	999	
9	2.870E-01	0		2.870E-01	999		1.309E+03	999		1.309E+03	999	
10	2.766E-01	0		2.766E-01	999		1.335E+03	999		1.335E+03	999	
11	2.664E-01	0		2.664E-01	999		1.359E+03	999		1.359E+03	999	
12	2.563E-01	0		2.563E-01	999		1.384E+03	999		1.384E+03	999	
13	2.464E-01	999		2.464E-01	0		1.408E+03	999		1.408E+03	999	
14	2.366E-01	0		2.366E-01	999		1.432E+03	999		1.432E+03	999	
15	2.271E-01	999		2.271E-01	0		1.455E+03	999		1.455E+03	999	
16	2.177E-01	999		2.177E-01	0		1.478E+03	999		1.478E+03	999	
17	2.085E-01	999		2.085E-01	0		1.500E+03	999		1.500E+03	999	
18	1.994E-01	999		1.994E-01	0		1.522E+03	999		1.522E+03	999	
19	1.905E-01	999		1.905E-01	0		1.544E+03	999		1.544E+03	999	
20	1.818E-01	999		1.818E-01	0		1.565E+03	999		1.565E+03	999	
21	1.733E-01	999		1.733E-01	0		1.585E+03	999		1.585E+03	999	
22	1.650E-01	0		1.650E-01	999		1.605E+03	999		1.605E+03	999	
23	1.569E-01	0		1.569E-01	999		1.625E+03	999		1.625E+03	999	
24	1.490E-01	999		1.490E-01	0		1.644E+03	999		1.644E+03	999	
25	1.412E-01	999		1.412E-01	0		1.662E+03	999		1.662E+03	999	
26	1.337E-01	0		1.337E-01	999		1.680E+03	999		1.680E+03	999	
27	1.263E-01	999		1.263E-01	0		1.698E+03	999		1.698E+03	999	
28	1.192E-01	999		1.192E-01	0		1.715E+03	999		1.715E+03	999	
29	1.122E-01	999		1.122E-01	0		1.731E+03	999		1.731E+03	999	
30	1.055E-01	999		1.055E-01	0		1.747E+03	999		1.747E+03	999	
31	9.893E-02	999		9.893E-02	0		1.763E+03	999		1.763E+03	999	
32	9.260E-02	999		9.260E-02	0		1.778E+03	999		1.778E+03	999	
33	8.648E-02	999		8.648E-02	0		1.792E+03	999		1.792E+03	999	
34	8.057E-02	999		8.057E-02	0		1.806E+03	999		1.806E+03	999	
35	7.487E-02	0		7.487E-02	999		1.819E+03	999		1.819E+03	999	
36	6.939E-02	999		6.939E-02	0		1.832E+03	999		1.832E+03	999	
37	6.412E-02	0		6.412E-02	999		1.844E+03	999		1.844E+03	999	
38	5.906E-02	0		5.906E-02	999		1.855E+03	999		1.855E+03	999	
39	5.423E-02	999		5.423E-02	0		1.866E+03	999		1.866E+03	999	
40	4.962E-02	0		4.962E-02	999		1.877E+03	999		1.877E+03	999	
41	4.522E-02	0		4.522E-02	999		1.887E+03	999		1.887E+03	999	
42	4.105E-02	999		4.105E-02	0		1.896E+03	999		1.896E+03	999	
43	3.710E-02	999		3.710E-02	0		1.905E+03	999		1.905E+03	999	
44	3.338E-02	999		3.338E-02	0		1.913E+03	999		1.913E+03	999	
45	2.988E-02	0		2.988E-02	999		1.920E+03	999		1.920E+03	999	
46	2.661E-02	999		2.661E-02	0		1.927E+03	999		1.927E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.356E-02		0	2.356E-02		999	1.934E+03		999	1.934E+03		999
48	2.074E-02		0	2.074E-02		999	1.940E+03		999	1.940E+03		999
49	1.816E-02		999	1.816E-02		0	1.945E+03		999	1.945E+03		999
50	1.579E-02		999	1.579E-02		0	1.949E+03		999	1.949E+03		999
51	1.362E-02		0	1.362E-02		999	1.954E+03		999	1.954E+03		999
52	1.161E-02		0	1.161E-02		999	1.957E+03		999	1.957E+03		999
53	9.756E-03		0	9.756E-03		999	1.961E+03		999	1.961E+03		999
54	8.064E-03		0	8.064E-03		999	1.963E+03		999	1.963E+03		999
55	6.532E-03		999	6.532E-03		0	1.966E+03		999	1.966E+03		999
56	5.161E-03		999	5.161E-03		0	1.968E+03		999	1.968E+03		999
57	3.952E-03		0	3.952E-03		999	1.970E+03		999	1.970E+03		999
58	2.903E-03		999	2.903E-03		0	1.971E+03		999	1.971E+03		999
59	2.016E-03		0	2.016E-03		999	1.972E+03		999	1.972E+03		999
60	1.290E-03		999	1.290E-03		0	1.972E+03		999	1.972E+03		999
61	7.256E-04		999	7.256E-04		0	1.972E+03		999	1.972E+03		999
62	3.224E-04		999	3.224E-04		0	1.971E+03		999	1.971E+03		999
63	8.057E-05		0	8.057E-05		999	1.971E+03		999	1.971E+03		999
64	0.000E+00		999	0.000E+00		999	9.846E+02		999	9.846E+02		999
65	8.057E-05		0	8.057E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	5.319E+02 999	5.319E+02 999	-3.260E+01 999	-3.260E+01 999
1	5.304E+02 999	5.304E+02 999	0.000E+00 999	0.000E+00 999
2	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
3	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
4	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
5	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
6	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
7	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
8	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
9	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
10	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
11	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
12	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
13	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
14	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
15	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
16	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
17	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
18	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
19	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
20	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
21	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
22	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
23	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
24	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
25	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
27	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
28	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
29	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
30	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
31	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
32	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
33	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
34	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
35	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
36	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
37	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
38	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
39	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
40	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
41	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
42	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
43	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
44	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
45	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
46	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
47	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
48	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
49	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
50	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
51	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
53	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
54	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
55	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
56	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
57	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
58	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
59	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
60	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
61	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
62	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
63	-1.501E+00 999	-1.501E+00 999	0.000E+00 999	0.000E+00 999
64	-9.861E+02 999	-9.861E+02 999	1.501E+00 999	1.501E+00 999
65	-9.846E+02 999	-9.846E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
2 Live Load Case A, Water Case 1 - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		DEFL	MOM	SHR	RCT	
		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	7.200E+01	0.000E+00	1.036E+03	0.000E+00	-2.588E+03	
0	50	0	3.398E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.588E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF  
 NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength I Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 2 Live Load Case A, Water Case 1 - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.415E-01		0.000E+00		0.000E+00
0	0.000E+00	1.370E-01	-4.521E-03	5.182E+02	5.182E+02	0.000E+00
1	1.000E+00	1.325E-01	-4.491E-03	1.120E+03	5.902E+02	0.000E+00
2	2.000E+00	1.280E-01	-4.458E-03	1.203E+03	7.200E+01	0.000E+00
3	3.000E+00	1.236E-01	-4.422E-03	1.287E+03	7.200E+01	0.000E+00
4	4.000E+00	1.192E-01	-4.385E-03	1.370E+03	7.200E+01	0.000E+00
5	5.000E+00	1.149E-01	-4.344E-03	1.453E+03	7.200E+01	0.000E+00
6	6.000E+00	1.106E-01	-4.301E-03	1.537E+03	7.200E+01	0.000E+00
7	7.000E+00	1.063E-01	-4.256E-03	1.620E+03	7.200E+01	0.000E+00
8	8.000E+00	1.021E-01	-4.209E-03	1.703E+03	7.200E+01	0.000E+00
9	9.000E+00	9.797E-02	-4.158E-03	1.785E+03	7.200E+01	0.000E+00
10	1.000E+01	9.386E-02	-4.106E-03	1.868E+03	7.200E+01	0.000E+00
11	1.100E+01	8.981E-02	-4.051E-03	1.950E+03	7.200E+01	0.000E+00
12	1.200E+01	8.582E-02	-3.994E-03	2.033E+03	7.200E+01	0.000E+00
13	1.300E+01	8.188E-02	-3.934E-03	2.115E+03	7.200E+01	0.000E+00
14	1.400E+01	7.801E-02	-3.871E-03	2.197E+03	7.200E+01	0.000E+00
15	1.500E+01	7.421E-02	-3.807E-03	2.279E+03	7.200E+01	0.000E+00
16	1.600E+01	7.047E-02	-3.740E-03	2.360E+03	7.200E+01	0.000E+00
17	1.700E+01	6.680E-02	-3.670E-03	2.442E+03	7.200E+01	0.000E+00
18	1.800E+01	6.320E-02	-3.598E-03	2.523E+03	7.200E+01	0.000E+00
19	1.900E+01	5.967E-02	-3.524E-03	2.604E+03	7.200E+01	0.000E+00
20	2.000E+01	5.623E-02	-3.448E-03	2.685E+03	7.200E+01	0.000E+00
21	2.100E+01	5.286E-02	-3.368E-03	2.766E+03	7.200E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	4.957E-02	-3.287E-03	2.847E+03	7.200E+01	0.000E+00
23	2.300E+01	4.637E-02	-3.203E-03	2.927E+03	7.200E+01	0.000E+00
24	2.400E+01	4.325E-02	-3.117E-03	3.007E+03	7.200E+01	0.000E+00
25	2.500E+01	4.022E-02	-3.029E-03	3.087E+03	7.200E+01	0.000E+00
26	2.600E+01	3.728E-02	-2.938E-03	3.166E+03	7.200E+01	0.000E+00
27	2.700E+01	3.444E-02	-2.845E-03	3.246E+03	7.200E+01	0.000E+00
28	2.800E+01	3.169E-02	-2.749E-03	3.325E+03	7.200E+01	0.000E+00
29	2.900E+01	2.904E-02	-2.651E-03	3.404E+03	7.200E+01	0.000E+00
30	3.000E+01	2.649E-02	-2.551E-03	3.482E+03	7.200E+01	0.000E+00
31	3.100E+01	2.404E-02	-2.449E-03	3.561E+03	7.200E+01	0.000E+00
32	3.200E+01	2.169E-02	-2.344E-03	3.639E+03	7.200E+01	0.000E+00
33	3.300E+01	1.946E-02	-2.237E-03	3.716E+03	7.200E+01	0.000E+00
34	3.400E+01	1.733E-02	-2.127E-03	3.794E+03	7.200E+01	0.000E+00
35	3.500E+01	1.531E-02	-2.016E-03	3.871E+03	7.200E+01	0.000E+00
36	3.600E+01	1.341E-02	-1.902E-03	3.948E+03	7.200E+01	0.000E+00
37	3.700E+01	1.163E-02	-1.786E-03	4.025E+03	7.200E+01	0.000E+00
38	3.800E+01	9.960E-03	-1.667E-03	4.101E+03	7.200E+01	0.000E+00
39	3.900E+01	8.413E-03	-1.547E-03	4.177E+03	7.200E+01	0.000E+00
40	4.000E+01	6.990E-03	-1.424E-03	4.253E+03	7.200E+01	0.000E+00
41	4.100E+01	5.691E-03	-1.298E-03	4.328E+03	7.200E+01	0.000E+00
42	4.200E+01	4.520E-03	-1.171E-03	4.403E+03	7.200E+01	0.000E+00
43	4.300E+01	3.479E-03	-1.041E-03	4.478E+03	7.200E+01	0.000E+00
44	4.400E+01	2.569E-03	-9.097E-04	4.552E+03	7.200E+01	0.000E+00
45	4.500E+01	1.793E-03	-7.757E-04	4.626E+03	7.200E+01	0.000E+00
46	4.600E+01	1.154E-03	-6.396E-04	4.700E+03	7.200E+01	0.000E+00
47	4.700E+01	6.524E-04	-5.013E-04	4.773E+03	7.200E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.916E-04	-3.608E-04	4.846E+03	7.200E+01	0.000E+00
49	4.900E+01	7.344E-05	-2.182E-04	4.919E+03	7.200E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.344E-05	2.495E+03	-2.423E+03	-7.200E+01
51	5.100E+01	7.344E-05	7.344E-05	0.000E+00	-2.495E+03	0.000E+00

PROB (CONTD)

2 Live Load Case A, Water Case 1 - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.415E-01		0	1.415E-01		999	0.000E+00		999	0.000E+00		999
0	1.370E-01		999	1.370E-01		0	5.182E+02		999	5.182E+02		999
1	1.325E-01		999	1.325E-01		0	1.120E+03		999	1.120E+03		999
2	1.280E-01		0	1.280E-01		999	1.203E+03		999	1.203E+03		999
3	1.236E-01		0	1.236E-01		999	1.287E+03		999	1.287E+03		999
4	1.192E-01		999	1.192E-01		0	1.370E+03		999	1.370E+03		999
5	1.149E-01		0	1.149E-01		999	1.453E+03		999	1.453E+03		999
6	1.106E-01		0	1.106E-01		999	1.537E+03		999	1.537E+03		999
7	1.063E-01		0	1.063E-01		999	1.620E+03		999	1.620E+03		999
8	1.021E-01		0	1.021E-01		999	1.703E+03		999	1.703E+03		999
9	9.797E-02		999	9.797E-02		0	1.785E+03		999	1.785E+03		999
10	9.386E-02		0	9.386E-02		999	1.868E+03		999	1.868E+03		999
11	8.981E-02		999	8.981E-02		0	1.950E+03		999	1.950E+03		999
12	8.582E-02		999	8.582E-02		0	2.033E+03		999	2.033E+03		999
13	8.188E-02		0	8.188E-02		999	2.115E+03		999	2.115E+03		999
14	7.801E-02		0	7.801E-02		999	2.197E+03		999	2.197E+03		999
15	7.421E-02		0	7.421E-02		999	2.279E+03		999	2.279E+03		999
16	7.047E-02		999	7.047E-02		0	2.360E+03		999	2.360E+03		999
17	6.680E-02		0	6.680E-02		999	2.442E+03		999	2.442E+03		999
18	6.320E-02		0	6.320E-02		999	2.523E+03		999	2.523E+03		999
19	5.967E-02		999	5.967E-02		0	2.604E+03		999	2.604E+03		999
20	5.623E-02		0	5.623E-02		999	2.685E+03		999	2.685E+03		999
21	5.286E-02		0	5.286E-02		999	2.766E+03		999	2.766E+03		999
22	4.957E-02		0	4.957E-02		999	2.847E+03		999	2.847E+03		999
23	4.637E-02		0	4.637E-02		999	2.927E+03		999	2.927E+03		999
24	4.325E-02		999	4.325E-02		0	3.007E+03		999	3.007E+03		999
25	4.022E-02		0	4.022E-02		999	3.087E+03		999	3.087E+03		999
26	3.728E-02		0	3.728E-02		999	3.166E+03		999	3.166E+03		999
27	3.444E-02		999	3.444E-02		0	3.246E+03		999	3.246E+03		999
28	3.169E-02		0	3.169E-02		999	3.325E+03		999	3.325E+03		999
29	2.904E-02		0	2.904E-02		999	3.404E+03		999	3.404E+03		999
30	2.649E-02		999	2.649E-02		0	3.482E+03		999	3.482E+03		999
31	2.404E-02		0	2.404E-02		999	3.561E+03		999	3.561E+03		999
32	2.169E-02		999	2.169E-02		0	3.639E+03		999	3.639E+03		999
33	1.946E-02		999	1.946E-02		0	3.716E+03		999	3.716E+03		999
34	1.733E-02		0	1.733E-02		999	3.794E+03		999	3.794E+03		999
35	1.531E-02		999	1.531E-02		0	3.871E+03		999	3.871E+03		999
36	1.341E-02		0	1.341E-02		999	3.948E+03		999	3.948E+03		999
37	1.163E-02		0	1.163E-02		999	4.025E+03		999	4.025E+03		999
38	9.960E-03		999	9.960E-03		0	4.101E+03		999	4.101E+03		999
39	8.413E-03		0	8.413E-03		999	4.177E+03		999	4.177E+03		999
40	6.990E-03		999	6.990E-03		0	4.253E+03		999	4.253E+03		999
41	5.691E-03		999	5.691E-03		0	4.328E+03		999	4.328E+03		999
42	4.520E-03		999	4.520E-03		0	4.403E+03		999	4.403E+03		999
43	3.479E-03		999	3.479E-03		0	4.478E+03		999	4.478E+03		999
44	2.569E-03		0	2.569E-03		999	4.552E+03		999	4.552E+03		999
45	1.793E-03		999	1.793E-03		0	4.626E+03		999	4.626E+03		999
46	1.154E-03		999	1.154E-03		0	4.700E+03		999	4.700E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.524E-04	999		6.524E-04	0		4.773E+03	999		4.773E+03	999	
48	2.916E-04	999		2.916E-04	0		4.846E+03	999		4.846E+03	999	
49	7.344E-05	999		7.344E-05	0		4.919E+03	999		4.919E+03	999	
50	0.000E+00	999		0.000E+00	999		2.495E+03	999		2.495E+03	999	
51	7.344E-05	999		7.344E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.182E+02 999	5.182E+02 999	0.000E+00 999	0.000E+00 999
0	5.902E+02 999	5.902E+02 999	0.000E+00 999	0.000E+00 999
1	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
2	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
3	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
4	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
5	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
6	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
7	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
8	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
9	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
10	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
11	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
12	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
13	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
14	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
15	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
16	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
17	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
18	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
19	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
20	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
21	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
22	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
23	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
24	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
25	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
27	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
28	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
29	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
30	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
31	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
32	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
33	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
34	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
35	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
36	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
37	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
38	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
39	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
40	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
41	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
42	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
43	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
44	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
45	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
46	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
47	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
48	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
49	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
50	-2.423E+03 999	-2.423E+03 999	-7.200E+01 999	-7.200E+01 999
51	-2.495E+03 999	-2.495E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
3 Live Load Case B, Water Case 1 - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0	0
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.460E+01	0.000E+00	5.403E+02	0.000E+00	-1.652E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.652E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.652E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF  
NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
3 Live Load Case B, Water Case 1 - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.977E-01		0.000E+00		0.000E+00
0	0.000E+00	3.870E-01	-1.067E-02	2.701E+02	2.701E+02	4.271E+00
1	1.000E+00	3.764E-01	-1.061E-02	5.767E+02	2.890E+02	0.000E+00
2	2.000E+00	3.658E-01	-1.054E-02	6.130E+02	1.887E+01	0.000E+00
3	3.000E+00	3.554E-01	-1.047E-02	6.491E+02	1.887E+01	0.000E+00
4	4.000E+00	3.450E-01	-1.039E-02	6.852E+02	1.887E+01	0.000E+00
5	5.000E+00	3.347E-01	-1.031E-02	7.211E+02	1.887E+01	0.000E+00
6	6.000E+00	3.244E-01	-1.023E-02	7.569E+02	1.887E+01	0.000E+00
7	7.000E+00	3.143E-01	-1.014E-02	7.925E+02	1.887E+01	0.000E+00
8	8.000E+00	3.043E-01	-1.005E-02	8.279E+02	1.887E+01	0.000E+00
9	9.000E+00	2.943E-01	-9.949E-03	8.632E+02	1.887E+01	0.000E+00
10	1.000E+01	2.845E-01	-9.847E-03	8.984E+02	1.887E+01	0.000E+00
11	1.100E+01	2.747E-01	-9.742E-03	9.333E+02	1.887E+01	0.000E+00
12	1.200E+01	2.651E-01	-9.632E-03	9.681E+02	1.887E+01	0.000E+00
13	1.300E+01	2.556E-01	-9.518E-03	1.003E+03	1.887E+01	0.000E+00
14	1.400E+01	2.462E-01	-9.400E-03	1.037E+03	1.887E+01	0.000E+00
15	1.500E+01	2.369E-01	-9.278E-03	1.071E+03	1.887E+01	0.000E+00
16	1.600E+01	2.277E-01	-9.152E-03	1.105E+03	1.887E+01	0.000E+00
17	1.700E+01	2.187E-01	-9.022E-03	1.139E+03	1.887E+01	0.000E+00
18	1.800E+01	2.098E-01	-8.887E-03	1.173E+03	1.887E+01	0.000E+00
19	1.900E+01	2.011E-01	-8.749E-03	1.206E+03	1.887E+01	0.000E+00
20	2.000E+01	1.925E-01	-8.607E-03	1.239E+03	1.887E+01	0.000E+00
21	2.100E+01	1.840E-01	-8.462E-03	1.272E+03	1.887E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.757E-01	-8.312E-03	1.304E+03	1.887E+01	0.000E+00
23	2.300E+01	1.675E-01	-8.158E-03	1.337E+03	1.887E+01	0.000E+00
24	2.400E+01	1.595E-01	-8.001E-03	1.369E+03	1.887E+01	0.000E+00
25	2.500E+01	1.517E-01	-7.840E-03	1.401E+03	1.887E+01	0.000E+00
26	2.600E+01	1.440E-01	-7.675E-03	1.432E+03	1.887E+01	0.000E+00
27	2.700E+01	1.365E-01	-7.506E-03	1.464E+03	1.887E+01	0.000E+00
28	2.800E+01	1.292E-01	-7.334E-03	1.495E+03	1.887E+01	0.000E+00
29	2.900E+01	1.220E-01	-7.158E-03	1.525E+03	1.887E+01	0.000E+00
30	3.000E+01	1.150E-01	-6.979E-03	1.556E+03	1.887E+01	0.000E+00
31	3.100E+01	1.082E-01	-6.796E-03	1.586E+03	1.887E+01	0.000E+00
32	3.200E+01	1.016E-01	-6.609E-03	1.615E+03	1.887E+01	0.000E+00
33	3.300E+01	9.522E-02	-6.419E-03	1.645E+03	1.887E+01	0.000E+00
34	3.400E+01	8.900E-02	-6.225E-03	1.674E+03	1.887E+01	0.000E+00
35	3.500E+01	8.297E-02	-6.028E-03	1.703E+03	1.887E+01	0.000E+00
36	3.600E+01	7.714E-02	-5.828E-03	1.731E+03	1.887E+01	0.000E+00
37	3.700E+01	7.152E-02	-5.624E-03	1.760E+03	1.887E+01	0.000E+00
38	3.800E+01	6.610E-02	-5.417E-03	1.787E+03	1.887E+01	0.000E+00
39	3.900E+01	6.089E-02	-5.206E-03	1.815E+03	1.887E+01	0.000E+00
40	4.000E+01	5.590E-02	-4.993E-03	1.842E+03	1.887E+01	0.000E+00
41	4.100E+01	5.112E-02	-4.776E-03	1.869E+03	1.887E+01	0.000E+00
42	4.200E+01	4.657E-02	-4.556E-03	1.895E+03	1.887E+01	0.000E+00
43	4.300E+01	4.223E-02	-4.333E-03	1.921E+03	1.887E+01	0.000E+00
44	4.400E+01	3.813E-02	-4.107E-03	1.947E+03	1.887E+01	0.000E+00
45	4.500E+01	3.425E-02	-3.878E-03	1.972E+03	1.887E+01	0.000E+00
46	4.600E+01	3.060E-02	-3.646E-03	1.997E+03	1.887E+01	0.000E+00
47	4.700E+01	2.719E-02	-3.411E-03	2.022E+03	1.887E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.402E-02	-3.173E-03	2.046E+03	1.887E+01	0.000E+00
49	4.900E+01	2.109E-02	-2.932E-03	2.069E+03	1.887E+01	0.000E+00
50	5.000E+01	1.840E-02	-2.688E-03	2.093E+03	1.887E+01	0.000E+00
51	5.100E+01	1.591E-02	-2.486E-03	2.116E+03	1.887E+01	0.000E+00
52	5.200E+01	1.360E-02	-2.313E-03	2.138E+03	1.887E+01	0.000E+00
53	5.300E+01	1.146E-02	-2.138E-03	2.161E+03	1.887E+01	0.000E+00
54	5.400E+01	9.502E-03	-1.961E-03	2.183E+03	1.887E+01	0.000E+00
55	5.500E+01	7.720E-03	-1.783E-03	2.205E+03	1.887E+01	0.000E+00
56	5.600E+01	6.117E-03	-1.602E-03	2.226E+03	1.887E+01	0.000E+00
57	5.700E+01	4.697E-03	-1.420E-03	2.247E+03	1.887E+01	0.000E+00
58	5.800E+01	3.461E-03	-1.236E-03	2.268E+03	1.887E+01	0.000E+00
59	5.900E+01	2.410E-03	-1.051E-03	2.289E+03	1.887E+01	0.000E+00
60	6.000E+01	1.547E-03	-8.633E-04	2.309E+03	1.887E+01	0.000E+00
61	6.100E+01	8.728E-04	-6.743E-04	2.329E+03	1.887E+01	0.000E+00
62	6.200E+01	3.892E-04	-4.837E-04	2.349E+03	1.887E+01	0.000E+00
63	6.300E+01	9.768E-05	-2.915E-04	2.368E+03	1.887E+01	0.000E+00
64	6.400E+01	0.000E+00	-9.768E-05	1.194E+03	-1.175E+03	-1.887E+01
65	6.500E+01	9.768E-05	9.768E-05	0.000E+00	-1.194E+03	0.000E+00

PROB (CONTD)

3 Live Load Case B, Water Case 1 - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.977E-01		0	3.977E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	2.701E+02		999	2.701E+02		999
1	3.764E-01		999	3.764E-01		0	5.767E+02		999	5.767E+02		999
2	3.658E-01		0	3.658E-01		999	6.130E+02		999	6.130E+02		999
3	3.554E-01		999	3.554E-01		0	6.491E+02		999	6.491E+02		999
4	3.450E-01		999	3.450E-01		0	6.852E+02		999	6.852E+02		999
5	3.347E-01		0	3.347E-01		999	7.211E+02		999	7.211E+02		999
6	3.244E-01		0	3.244E-01		999	7.569E+02		999	7.569E+02		999
7	3.143E-01		0	3.143E-01		999	7.925E+02		999	7.925E+02		999
8	3.043E-01		999	3.043E-01		0	8.279E+02		999	8.279E+02		999
9	2.943E-01		999	2.943E-01		0	8.632E+02		999	8.632E+02		999
10	2.845E-01		0	2.845E-01		999	8.984E+02		999	8.984E+02		999
11	2.747E-01		0	2.747E-01		999	9.333E+02		999	9.333E+02		999
12	2.651E-01		0	2.651E-01		999	9.681E+02		999	9.681E+02		999
13	2.556E-01		0	2.556E-01		999	1.003E+03		999	1.003E+03		999
14	2.462E-01		0	2.462E-01		999	1.037E+03		999	1.037E+03		999
15	2.369E-01		999	2.369E-01		0	1.071E+03		999	1.071E+03		999
16	2.277E-01		999	2.277E-01		0	1.105E+03		999	1.105E+03		999
17	2.187E-01		0	2.187E-01		999	1.139E+03		999	1.139E+03		999
18	2.098E-01		999	2.098E-01		0	1.173E+03		999	1.173E+03		999
19	2.011E-01		999	2.011E-01		0	1.206E+03		999	1.206E+03		999
20	1.925E-01		0	1.925E-01		999	1.239E+03		999	1.239E+03		999
21	1.840E-01		0	1.840E-01		999	1.272E+03		999	1.272E+03		999
22	1.757E-01		0	1.757E-01		999	1.304E+03		999	1.304E+03		999
23	1.675E-01		999	1.675E-01		0	1.337E+03		999	1.337E+03		999
24	1.595E-01		999	1.595E-01		0	1.369E+03		999	1.369E+03		999
25	1.517E-01		0	1.517E-01		999	1.401E+03		999	1.401E+03		999
26	1.440E-01		0	1.440E-01		999	1.432E+03		999	1.432E+03		999
27	1.365E-01		0	1.365E-01		999	1.464E+03		999	1.464E+03		999
28	1.292E-01		999	1.292E-01		0	1.495E+03		999	1.495E+03		999
29	1.220E-01		999	1.220E-01		0	1.525E+03		999	1.525E+03		999
30	1.150E-01		0	1.150E-01		999	1.556E+03		999	1.556E+03		999
31	1.082E-01		0	1.082E-01		999	1.586E+03		999	1.586E+03		999
32	1.016E-01		999	1.016E-01		0	1.615E+03		999	1.615E+03		999
33	9.522E-02		999	9.522E-02		0	1.645E+03		999	1.645E+03		999
34	8.900E-02		0	8.900E-02		999	1.674E+03		999	1.674E+03		999
35	8.297E-02		999	8.297E-02		0	1.703E+03		999	1.703E+03		999
36	7.714E-02		0	7.714E-02		999	1.731E+03		999	1.731E+03		999
37	7.152E-02		999	7.152E-02		0	1.760E+03		999	1.760E+03		999
38	6.610E-02		0	6.610E-02		999	1.787E+03		999	1.787E+03		999
39	6.089E-02		999	6.089E-02		0	1.815E+03		999	1.815E+03		999
40	5.590E-02		999	5.590E-02		0	1.842E+03		999	1.842E+03		999
41	5.112E-02		0	5.112E-02		999	1.869E+03		999	1.869E+03		999
42	4.657E-02		999	4.657E-02		0	1.895E+03		999	1.895E+03		999
43	4.223E-02		0	4.223E-02		999	1.921E+03		999	1.921E+03		999
44	3.813E-02		999	3.813E-02		0	1.947E+03		999	1.947E+03		999
45	3.425E-02		999	3.425E-02		0	1.972E+03		999	1.972E+03		999
46	3.060E-02		0	3.060E-02		999	1.997E+03		999	1.997E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.719E-02		0	2.719E-02		999	2.022E+03		999	2.022E+03		999
48	2.402E-02		0	2.402E-02		999	2.046E+03		999	2.046E+03		999
49	2.109E-02		999	2.109E-02		0	2.069E+03		999	2.069E+03		999
50	1.840E-02		0	1.840E-02		999	2.093E+03		999	2.093E+03		999
51	1.591E-02		999	1.591E-02		0	2.116E+03		999	2.116E+03		999
52	1.360E-02		999	1.360E-02		0	2.138E+03		999	2.138E+03		999
53	1.146E-02		0	1.146E-02		999	2.161E+03		999	2.161E+03		999
54	9.502E-03		0	9.502E-03		999	2.183E+03		999	2.183E+03		999
55	7.720E-03		999	7.720E-03		0	2.205E+03		999	2.205E+03		999
56	6.117E-03		0	6.117E-03		999	2.226E+03		999	2.226E+03		999
57	4.697E-03		0	4.697E-03		999	2.247E+03		999	2.247E+03		999
58	3.461E-03		999	3.461E-03		0	2.268E+03		999	2.268E+03		999
59	2.410E-03		0	2.410E-03		999	2.289E+03		999	2.289E+03		999
60	1.547E-03		0	1.547E-03		999	2.309E+03		999	2.309E+03		999
61	8.728E-04		0	8.728E-04		999	2.329E+03		999	2.329E+03		999
62	3.892E-04		0	3.892E-04		999	2.349E+03		999	2.349E+03		999
63	9.768E-05		0	9.768E-05		999	2.368E+03		999	2.368E+03		999
64	0.000E+00		999	0.000E+00		999	1.194E+03		999	1.194E+03		999
65	9.768E-05		0	9.768E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	2.701E+02 999	2.701E+02 999	4.271E+00 999	4.271E+00 999
1	2.890E+02 999	2.890E+02 999	0.000E+00 999	0.000E+00 999
2	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
3	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
4	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
5	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
6	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
7	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
8	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
9	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
10	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
11	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
12	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
13	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
14	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
15	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
16	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
17	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
18	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
19	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
20	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
21	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
22	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
23	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
24	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
25	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
27	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
28	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
29	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
30	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
31	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
32	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
33	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
34	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
35	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
36	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
37	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
38	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
39	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
40	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
41	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
42	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
43	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
44	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
45	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
46	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
47	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
48	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
49	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
50	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
51	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
53	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
54	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
55	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
56	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
57	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
58	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
59	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
60	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
61	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
62	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
63	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
64	-1.175E+03 999	-1.175E+03 999	-1.887E+01 999	-1.887E+01 999
65	-1.194E+03 999	-1.194E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS			
		STA	STA	STA	STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
4 Live Load Case B, Water Case 1 - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		DEFL	MOM	SHR	RCT	
		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	3.390E+01	0.000E+00	4.748E+03	0.000E+00	-1.652E+03	
0	50	0	3.398E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.652E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF  
NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength I Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
4 Live Load Case B, Water Case 1 - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.363E-01		0.000E+00		0.000E+00
			-8.667E-03		2.374E+03	
0	0.000E+00	2.277E-01		2.374E+03		0.000E+00
			-8.527E-03		2.408E+03	
1	1.000E+00	2.191E-01		4.796E+03		0.000E+00
			-8.386E-03		3.390E+01	
2	2.000E+00	2.108E-01		4.844E+03		0.000E+00
			-8.244E-03		3.390E+01	
3	3.000E+00	2.025E-01		4.891E+03		0.000E+00
			-8.100E-03		3.390E+01	
4	4.000E+00	1.944E-01		4.938E+03		0.000E+00
			-7.954E-03		3.390E+01	
5	5.000E+00	1.865E-01		4.985E+03		0.000E+00
			-7.808E-03		3.390E+01	
6	6.000E+00	1.786E-01		5.032E+03		0.000E+00
			-7.660E-03		3.390E+01	
7	7.000E+00	1.710E-01		5.079E+03		0.000E+00
			-7.510E-03		3.390E+01	
8	8.000E+00	1.635E-01		5.125E+03		0.000E+00
			-7.359E-03		3.390E+01	
9	9.000E+00	1.561E-01		5.171E+03		0.000E+00
			-7.207E-03		3.390E+01	
10	1.000E+01	1.489E-01		5.217E+03		0.000E+00
			-7.054E-03		3.390E+01	
11	1.100E+01	1.419E-01		5.263E+03		0.000E+00
			-6.899E-03		3.390E+01	
12	1.200E+01	1.350E-01		5.308E+03		0.000E+00
			-6.743E-03		3.390E+01	
13	1.300E+01	1.282E-01		5.353E+03		0.000E+00
			-6.585E-03		3.390E+01	
14	1.400E+01	1.216E-01		5.398E+03		0.000E+00
			-6.426E-03		3.390E+01	
15	1.500E+01	1.152E-01		5.442E+03		0.000E+00
			-6.266E-03		3.390E+01	
16	1.600E+01	1.089E-01		5.486E+03		0.000E+00
			-6.105E-03		3.390E+01	
17	1.700E+01	1.028E-01		5.530E+03		0.000E+00
			-5.942E-03		3.390E+01	
18	1.800E+01	9.689E-02		5.574E+03		0.000E+00
			-5.778E-03		3.390E+01	
19	1.900E+01	9.111E-02		5.618E+03		0.000E+00
			-5.612E-03		3.390E+01	
20	2.000E+01	8.550E-02		5.661E+03		0.000E+00
			-5.446E-03		3.390E+01	
21	2.100E+01	8.005E-02		5.704E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	7.478E-02	-5.278E-03	5.746E+03	3.390E+01	0.000E+00
23	2.300E+01	6.967E-02	-5.109E-03	5.789E+03	3.390E+01	0.000E+00
24	2.400E+01	6.473E-02	-4.939E-03	5.831E+03	3.390E+01	0.000E+00
25	2.500E+01	5.996E-02	-4.767E-03	5.872E+03	3.390E+01	0.000E+00
26	2.600E+01	5.537E-02	-4.594E-03	5.914E+03	3.390E+01	0.000E+00
27	2.700E+01	5.095E-02	-4.420E-03	5.955E+03	3.390E+01	0.000E+00
28	2.800E+01	4.670E-02	-4.245E-03	5.996E+03	3.390E+01	0.000E+00
29	2.900E+01	4.264E-02	-4.068E-03	6.037E+03	3.390E+01	0.000E+00
30	3.000E+01	3.874E-02	-3.891E-03	6.077E+03	3.390E+01	0.000E+00
31	3.100E+01	3.503E-02	-3.712E-03	6.117E+03	3.390E+01	0.000E+00
32	3.200E+01	3.150E-02	-3.532E-03	6.157E+03	3.390E+01	0.000E+00
33	3.300E+01	2.815E-02	-3.351E-03	6.196E+03	3.390E+01	0.000E+00
34	3.400E+01	2.498E-02	-3.168E-03	6.235E+03	3.390E+01	0.000E+00
35	3.500E+01	2.200E-02	-2.985E-03	6.274E+03	3.390E+01	0.000E+00
36	3.600E+01	1.920E-02	-2.800E-03	6.313E+03	3.390E+01	0.000E+00
37	3.700E+01	1.658E-02	-2.614E-03	6.351E+03	3.390E+01	0.000E+00
38	3.800E+01	1.415E-02	-2.427E-03	6.389E+03	3.390E+01	0.000E+00
39	3.900E+01	1.192E-02	-2.239E-03	6.426E+03	3.390E+01	0.000E+00
40	4.000E+01	9.865E-03	-2.050E-03	6.464E+03	3.390E+01	0.000E+00
41	4.100E+01	8.005E-03	-1.860E-03	6.501E+03	3.390E+01	0.000E+00
42	4.200E+01	6.336E-03	-1.669E-03	6.537E+03	3.390E+01	0.000E+00
43	4.300E+01	4.860E-03	-1.476E-03	6.574E+03	3.390E+01	0.000E+00
44	4.400E+01	3.577E-03	-1.283E-03	6.610E+03	3.390E+01	0.000E+00
45	4.500E+01	2.488E-03	-1.088E-03	6.645E+03	3.390E+01	0.000E+00
46	4.600E+01	1.595E-03	-8.929E-04	6.681E+03	3.390E+01	0.000E+00
47	4.700E+01	8.990E-04	-6.963E-04	6.716E+03	3.390E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	4.003E-04	-4.987E-04	6.750E+03	3.390E+01	0.000E+00
49	4.900E+01	1.003E-04	-3.000E-04	6.785E+03	3.390E+01	0.000E+00
50	5.000E+01	0.000E+00	-1.003E-04	3.409E+03	-3.376E+03	-3.390E+01
51	5.100E+01	1.003E-04	1.003E-04	0.000E+00	-3.409E+03	0.000E+00



PROB (CONTD)

4 Live Load Case B, Water Case 1 - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.363E-01		0	2.363E-01		999	0.000E+00		999	0.000E+00		999
0	2.277E-01		999	2.277E-01		0	2.374E+03		999	2.374E+03		999
1	2.191E-01		999	2.191E-01		0	4.796E+03		999	4.796E+03		999
2	2.108E-01		0	2.108E-01		999	4.844E+03		999	4.844E+03		999
3	2.025E-01		999	2.025E-01		0	4.891E+03		999	4.891E+03		999
4	1.944E-01		999	1.944E-01		0	4.938E+03		999	4.938E+03		999
5	1.865E-01		0	1.865E-01		999	4.985E+03		999	4.985E+03		999
6	1.786E-01		999	1.786E-01		0	5.032E+03		999	5.032E+03		999
7	1.710E-01		0	1.710E-01		999	5.079E+03		999	5.079E+03		999
8	1.635E-01		999	1.635E-01		0	5.125E+03		999	5.125E+03		999
9	1.561E-01		999	1.561E-01		0	5.171E+03		999	5.171E+03		999
10	1.489E-01		999	1.489E-01		0	5.217E+03		999	5.217E+03		999
11	1.419E-01		0	1.419E-01		999	5.263E+03		999	5.263E+03		999
12	1.350E-01		999	1.350E-01		0	5.308E+03		999	5.308E+03		999
13	1.282E-01		999	1.282E-01		0	5.353E+03		999	5.353E+03		999
14	1.216E-01		999	1.216E-01		0	5.398E+03		999	5.398E+03		999
15	1.152E-01		999	1.152E-01		0	5.442E+03		999	5.442E+03		999
16	1.089E-01		0	1.089E-01		999	5.486E+03		999	5.486E+03		999
17	1.028E-01		0	1.028E-01		999	5.530E+03		999	5.530E+03		999
18	9.689E-02		0	9.689E-02		999	5.574E+03		999	5.574E+03		999
19	9.111E-02		0	9.111E-02		999	5.618E+03		999	5.618E+03		999
20	8.550E-02		0	8.550E-02		999	5.661E+03		999	5.661E+03		999
21	8.005E-02		999	8.005E-02		0	5.704E+03		999	5.704E+03		999
22	7.478E-02		999	7.478E-02		0	5.746E+03		999	5.746E+03		999
23	6.967E-02		999	6.967E-02		0	5.789E+03		999	5.789E+03		999
24	6.473E-02		0	6.473E-02		999	5.831E+03		999	5.831E+03		999
25	5.996E-02		0	5.996E-02		999	5.872E+03		999	5.872E+03		999
26	5.537E-02		999	5.537E-02		0	5.914E+03		999	5.914E+03		999
27	5.095E-02		0	5.095E-02		999	5.955E+03		999	5.955E+03		999
28	4.670E-02		999	4.670E-02		0	5.996E+03		999	5.996E+03		999
29	4.264E-02		999	4.264E-02		0	6.037E+03		999	6.037E+03		999
30	3.874E-02		0	3.874E-02		999	6.077E+03		999	6.077E+03		999
31	3.503E-02		0	3.503E-02		999	6.117E+03		999	6.117E+03		999
32	3.150E-02		0	3.150E-02		999	6.157E+03		999	6.157E+03		999
33	2.815E-02		0	2.815E-02		999	6.196E+03		999	6.196E+03		999
34	2.498E-02		0	2.498E-02		999	6.235E+03		999	6.235E+03		999
35	2.200E-02		0	2.200E-02		999	6.274E+03		999	6.274E+03		999
36	1.920E-02		0	1.920E-02		999	6.313E+03		999	6.313E+03		999
37	1.658E-02		999	1.658E-02		0	6.351E+03		999	6.351E+03		999
38	1.415E-02		0	1.415E-02		999	6.389E+03		999	6.389E+03		999
39	1.192E-02		0	1.192E-02		999	6.426E+03		999	6.426E+03		999
40	9.865E-03		0	9.865E-03		999	6.464E+03		999	6.464E+03		999
41	8.005E-03		999	8.005E-03		0	6.501E+03		999	6.501E+03		999
42	6.336E-03		999	6.336E-03		0	6.537E+03		999	6.537E+03		999
43	4.860E-03		0	4.860E-03		999	6.574E+03		999	6.574E+03		999
44	3.577E-03		0	3.577E-03		999	6.610E+03		999	6.610E+03		999
45	2.488E-03		999	2.488E-03		0	6.645E+03		999	6.645E+03		999
46	1.595E-03		999	1.595E-03		0	6.681E+03		999	6.681E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	8.990E-04		0	8.990E-04		999	6.716E+03		999	6.716E+03		999
48	4.003E-04		999	4.003E-04		0	6.750E+03		999	6.750E+03		999
49	1.003E-04		0	1.003E-04		999	6.785E+03		999	6.785E+03		999
50	0.000E+00		999	0.000E+00		999	3.409E+03		999	3.409E+03		999
51	1.003E-04		0	1.003E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	2.374E+03 999	2.374E+03 999	0.000E+00 999	0.000E+00 999
0	2.408E+03 999	2.408E+03 999	0.000E+00 999	0.000E+00 999
1	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
2	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
3	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
4	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
5	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
6	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
7	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
8	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
9	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
10	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
11	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
12	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
13	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
14	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
15	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
16	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
17	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
18	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
19	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
20	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
21	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
22	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
23	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
24	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
25	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
27	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
28	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
29	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
30	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
31	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
32	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
33	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
34	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
35	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
36	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
37	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
38	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
39	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
40	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
41	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
42	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
43	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
44	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
45	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
46	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
47	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
48	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
49	3.390E+01 999	3.390E+01 999	0.000E+00 999	0.000E+00 999
50	-3.376E+03 999	-3.376E+03 999	-3.390E+01 999	-3.390E+01 999
51	-3.409E+03 999	-3.409E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

## BMCOL51 Model 2 - Strength III Input File



Any	Any	XXXX	XXXX-XX-XXX	Brg	(ft & kips)			
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2								
1	Live Load Case A, Water Case 1,	0	Wind Skew - about x-Axis					
		1		1	2	3	0	
64		1.0		0	0	0	1	
0	1	0.387						
64	3	0.0	0.0					
0	0		0.0				181.7	-1779.8
0	50	8.496E+06	0.000					-1779.8
50	64	1.222E+07	0.000					-1779.8
2	Live Load Case A, Water Case 1,	0	Wind Skew - about y-Axis					
		1		1	2		0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		62.7				1485.8	-1779.8
0	50	3.398E+07	0.224					-1779.8
3	Live Load Case A, Water Case 1,	15	Wind Skew - about x-Axis					
		1		2	3		0	
64		1.0		0	0	0	1	
0	1	0.387						
64	3	0.0	0.0					
0	0		8.6				233.9	-1891.5
0	50	8.496E+06	0.116					-1891.5
50	64	1.222E+07	0					-1891.5
4	Live Load Case A, Water Case 1,	15	Wind Skew - about y-Axis					
		1		1	2		0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		55.3				373.7	-1891.5
0	50	3.398E+07	0.216					-1891.5
5	Live Load Case A, Water Case 1,	30	Wind Skew - about x-Axis					
		1		2	3		0	
64		1.0		0	0	0	1	
0	1	0.387						
64	3	0.0	0.0					
0	0		17.1				286.0	-1891.5
0	50	8.496E+06	0.224					-1891.5
50	64	1.222E+07	0					-1891.5
6	Live Load Case A, Water Case 1,	30	Wind Skew - about y-Axis					
		1		1	2		0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		51.4				348.2	-1891.5
0	50	3.398E+07	0.194					-1891.5
7	Live Load Case A, Water Case 1,	45	Wind Skew - about x-Axis					
		1		2	3		0	
64		1.0		0	0	0	1	
0	1	0.387						
64	3	0.0	0.0					
0	0		23.0				321.0	-1891.5
0	50	8.496E+06	0.317					-1891.5
50	64	1.222E+07	0					-1891.5
8	Live Load Case A, Water Case 1,	45	Wind Skew - about y-Axis					
		1		1	2		0	
50		1.0		0	0	0	1	
50	3	0.0	0.0					
0	0		41.4				280.2	-1891.5
0	50	3.398E+07	0.158					-1891.5
9	Live Load Case A, Water Case 1,	60	Wind Skew - about x-Axis					
		1		2	3		0	
64		1.0		0	0	0	1	
0	1	0.387						
64	3	0.0	0.0					
0	0		27.5				347.3	-1891.5
0	50	8.496E+06	0.388					-1891.5
50	64	1.222E+07	0					-1891.5
10	Live Load Case A, Water Case 1,	60	Wind Skew - about y-Axis					
		1		1	2		0	

	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		21.5				144.5			-1891.5
	0	50	3.398E+07	0.112							-1891.5
11	Live Load Case B, Water Case 1,				0	Wind Skew - about x-Axis					
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		0.0				125.2	0		-1212.2
	0	50	8.496E+06	0.000							-1212.2
	50	64	1.222E+07	0.000							-1212.2
12	Live Load Case B, Water Case 1,				0	Wind Skew - about y-Axis					
				1	1	2		0			
	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		62.7				1485.8	0		-1212.2
	0	50	3.398E+07	0.224							-1212.2
13	Live Load Case B, Water Case 1,				15	Wind Skew - about x-Axis					
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		8.6				177.4	0		-1324.0
	0	50	8.496E+06	0.116							-1324.0
	50	64	1.222E+07	0							-1324.0
14	Live Load Case B, Water Case 1,				15	Wind Skew - about y-Axis					
				1	1	2		0			
	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		55.3				373.7	0		-1324.0
	0	50	3.398E+07	0.216							-1324.0
15	Live Load Case B, Water Case 1,				30	Wind Skew - about x-Axis					
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		17.1				229.5	0		-1324.0
	0	50	8.496E+06	0.224							-1324.0
	50	64	1.222E+07	0							-1324.0
16	Live Load Case B, Water Case 1,				30	Wind Skew - about y-Axis					
				1	1	2		0			
	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		51.4				348.2	0		-1324.0
	0	50	3.398E+07	0.194							-1324.0
17	Live Load Case B, Water Case 1,				45	Wind Skew - about x-Axis					
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		23.0				264.5	0		-1324.0
	0	50	8.496E+06	0.317							-1324.0
	50	64	1.222E+07	0							-1324.0
18	Live Load Case B, Water Case 1,				45	Wind Skew - about y-Axis					
				1	1	2		0			
	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		41.4				280.2	0		-1324.0
	0	50	3.398E+07	0.158							-1324.0
19	Live Load Case B, Water Case 1,				60	Wind Skew - about x-Axis					
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		27.5				290.7	0		-1324.0
	0	50	8.496E+06	0.388							-1324.0
	50	64	1.222E+07	0							-1324.0

20	Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis							
				1	1	2		0
50			1.0		0	0	0	1
50		3	0.0	0.0				
0	0			21.5			144.5	0
0	50		3.398E+07	0.112				
CEASE								
								-1324.0
								-1324.0

## BMCOL51 Model 2 - Strength III Output File

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
1 Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFLL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	0.000E+00	0.000E+00	1.817E+02	0.000E+00	-1.780E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.780E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.780E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 1        Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.970E-01		0.000E+00		0.000E+00
			-9.998E-03		9.085E+01	
0	0.000E+00	3.870E-01		9.085E+01		2.683E+01
			-9.977E-03		1.177E+02	
1	1.000E+00	3.770E-01		2.263E+02		0.000E+00
			-9.950E-03		2.683E+01	
2	2.000E+00	3.671E-01		2.708E+02		0.000E+00
			-9.919E-03		2.683E+01	
3	3.000E+00	3.572E-01		3.153E+02		0.000E+00
			-9.881E-03		2.683E+01	
4	4.000E+00	3.473E-01		3.597E+02		0.000E+00
			-9.839E-03		2.683E+01	
5	5.000E+00	3.374E-01		4.040E+02		0.000E+00
			-9.792E-03		2.683E+01	
6	6.000E+00	3.276E-01		4.483E+02		0.000E+00
			-9.739E-03		2.683E+01	
7	7.000E+00	3.179E-01		4.925E+02		0.000E+00
			-9.681E-03		2.683E+01	
8	8.000E+00	3.082E-01		5.365E+02		0.000E+00
			-9.618E-03		2.683E+01	
9	9.000E+00	2.986E-01		5.805E+02		0.000E+00
			-9.549E-03		2.683E+01	
10	1.000E+01	2.891E-01		6.243E+02		0.000E+00
			-9.476E-03		2.683E+01	
11	1.100E+01	2.796E-01		6.680E+02		0.000E+00
			-9.397E-03		2.683E+01	
12	1.200E+01	2.702E-01		7.115E+02		0.000E+00
			-9.313E-03		2.683E+01	
13	1.300E+01	2.609E-01		7.549E+02		0.000E+00
			-9.225E-03		2.683E+01	
14	1.400E+01	2.516E-01		7.982E+02		0.000E+00
			-9.131E-03		2.683E+01	
15	1.500E+01	2.425E-01		8.412E+02		0.000E+00
			-9.032E-03		2.683E+01	
16	1.600E+01	2.335E-01		8.841E+02		0.000E+00
			-8.928E-03		2.683E+01	
17	1.700E+01	2.246E-01		9.269E+02		0.000E+00
			-8.819E-03		2.683E+01	
18	1.800E+01	2.157E-01		9.694E+02		0.000E+00
			-8.704E-03		2.683E+01	
19	1.900E+01	2.070E-01		1.012E+03		0.000E+00
			-8.585E-03		2.683E+01	
20	2.000E+01	1.984E-01		1.054E+03		0.000E+00
			-8.461E-03		2.683E+01	
21	2.100E+01	1.900E-01		1.096E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.817E-01	-8.332E-03	1.137E+03	2.683E+01	0.000E+00
23	2.300E+01	1.735E-01	-8.198E-03	1.179E+03	2.683E+01	0.000E+00
24	2.400E+01	1.654E-01	-8.060E-03	1.220E+03	2.683E+01	0.000E+00
25	2.500E+01	1.575E-01	-7.916E-03	1.261E+03	2.683E+01	0.000E+00
26	2.600E+01	1.497E-01	-7.768E-03	1.302E+03	2.683E+01	0.000E+00
27	2.700E+01	1.421E-01	-7.615E-03	1.342E+03	2.683E+01	0.000E+00
28	2.800E+01	1.346E-01	-7.457E-03	1.382E+03	2.683E+01	0.000E+00
29	2.900E+01	1.273E-01	-7.294E-03	1.422E+03	2.683E+01	0.000E+00
30	3.000E+01	1.202E-01	-7.127E-03	1.461E+03	2.683E+01	0.000E+00
31	3.100E+01	1.133E-01	-6.955E-03	1.501E+03	2.683E+01	0.000E+00
32	3.200E+01	1.065E-01	-6.778E-03	1.539E+03	2.683E+01	0.000E+00
33	3.300E+01	9.989E-02	-6.597E-03	1.578E+03	2.683E+01	0.000E+00
34	3.400E+01	9.348E-02	-6.411E-03	1.616E+03	2.683E+01	0.000E+00
35	3.500E+01	8.726E-02	-6.221E-03	1.654E+03	2.683E+01	0.000E+00
36	3.600E+01	8.123E-02	-6.026E-03	1.692E+03	2.683E+01	0.000E+00
37	3.700E+01	7.540E-02	-5.827E-03	1.729E+03	2.683E+01	0.000E+00
38	3.800E+01	6.978E-02	-5.624E-03	1.766E+03	2.683E+01	0.000E+00
39	3.900E+01	6.436E-02	-5.416E-03	1.802E+03	2.683E+01	0.000E+00
40	4.000E+01	5.916E-02	-5.204E-03	1.838E+03	2.683E+01	0.000E+00
41	4.100E+01	5.417E-02	-4.987E-03	1.874E+03	2.683E+01	0.000E+00
42	4.200E+01	4.941E-02	-4.767E-03	1.909E+03	2.683E+01	0.000E+00
43	4.300E+01	4.487E-02	-4.542E-03	1.944E+03	2.683E+01	0.000E+00
44	4.400E+01	4.055E-02	-4.313E-03	1.979E+03	2.683E+01	0.000E+00
45	4.500E+01	3.647E-02	-4.080E-03	2.013E+03	2.683E+01	0.000E+00
46	4.600E+01	3.263E-02	-3.843E-03	2.046E+03	2.683E+01	0.000E+00
47	4.700E+01	2.903E-02	-3.602E-03	2.080E+03	2.683E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.567E-02	-3.358E-03	2.112E+03	2.683E+01	0.000E+00
49	4.900E+01	2.256E-02	-3.109E-03	2.145E+03	2.683E+01	0.000E+00
50	5.000E+01	1.970E-02	-2.857E-03	2.177E+03	2.683E+01	0.000E+00
51	5.100E+01	1.706E-02	-2.646E-03	2.208E+03	2.683E+01	0.000E+00
52	5.200E+01	1.459E-02	-2.466E-03	2.239E+03	2.683E+01	0.000E+00
53	5.300E+01	1.231E-02	-2.282E-03	2.270E+03	2.683E+01	0.000E+00
54	5.400E+01	1.021E-02	-2.097E-03	2.301E+03	2.683E+01	0.000E+00
55	5.500E+01	8.303E-03	-1.908E-03	2.331E+03	2.683E+01	0.000E+00
56	5.600E+01	6.586E-03	-1.718E-03	2.361E+03	2.683E+01	0.000E+00
57	5.700E+01	5.061E-03	-1.524E-03	2.391E+03	2.683E+01	0.000E+00
58	5.800E+01	3.733E-03	-1.329E-03	2.420E+03	2.683E+01	0.000E+00
59	5.900E+01	2.602E-03	-1.131E-03	2.449E+03	2.683E+01	0.000E+00
60	6.000E+01	1.672E-03	-9.304E-04	2.477E+03	2.683E+01	0.000E+00
61	6.100E+01	9.439E-04	-7.277E-04	2.505E+03	2.683E+01	0.000E+00
62	6.200E+01	4.213E-04	-5.227E-04	2.533E+03	2.683E+01	0.000E+00
63	6.300E+01	1.059E-04	-3.154E-04	2.560E+03	2.683E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.059E-04	1.294E+03	-1.267E+03	-2.683E+01
65	6.500E+01	1.059E-04	1.059E-04	0.000E+00	-1.294E+03	0.000E+00



PROB (CONTD)

1 Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.970E-01		0	3.970E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	9.085E+01		999	9.085E+01		999
1	3.770E-01		0	3.770E-01		999	2.263E+02		999	2.263E+02		999
2	3.671E-01		0	3.671E-01		999	2.708E+02		999	2.708E+02		999
3	3.572E-01		999	3.572E-01		0	3.153E+02		999	3.153E+02		999
4	3.473E-01		0	3.473E-01		999	3.597E+02		999	3.597E+02		999
5	3.374E-01		999	3.374E-01		0	4.040E+02		999	4.040E+02		999
6	3.276E-01		999	3.276E-01		0	4.483E+02		999	4.483E+02		999
7	3.179E-01		999	3.179E-01		0	4.925E+02		999	4.925E+02		999
8	3.082E-01		0	3.082E-01		999	5.365E+02		999	5.365E+02		999
9	2.986E-01		999	2.986E-01		0	5.805E+02		999	5.805E+02		999
10	2.891E-01		999	2.891E-01		0	6.243E+02		999	6.243E+02		999
11	2.796E-01		999	2.796E-01		0	6.680E+02		999	6.680E+02		999
12	2.702E-01		0	2.702E-01		999	7.115E+02		999	7.115E+02		999
13	2.609E-01		0	2.609E-01		999	7.549E+02		999	7.549E+02		999
14	2.516E-01		999	2.516E-01		0	7.982E+02		999	7.982E+02		999
15	2.425E-01		999	2.425E-01		0	8.412E+02		999	8.412E+02		999
16	2.335E-01		0	2.335E-01		999	8.841E+02		999	8.841E+02		999
17	2.246E-01		0	2.246E-01		999	9.269E+02		999	9.269E+02		999
18	2.157E-01		999	2.157E-01		0	9.694E+02		999	9.694E+02		999
19	2.070E-01		0	2.070E-01		999	1.012E+03		999	1.012E+03		999
20	1.984E-01		0	1.984E-01		999	1.054E+03		999	1.054E+03		999
21	1.900E-01		999	1.900E-01		0	1.096E+03		999	1.096E+03		999
22	1.817E-01		0	1.817E-01		999	1.137E+03		999	1.137E+03		999
23	1.735E-01		999	1.735E-01		0	1.179E+03		999	1.179E+03		999
24	1.654E-01		999	1.654E-01		0	1.220E+03		999	1.220E+03		999
25	1.575E-01		0	1.575E-01		999	1.261E+03		999	1.261E+03		999
26	1.497E-01		0	1.497E-01		999	1.302E+03		999	1.302E+03		999
27	1.421E-01		0	1.421E-01		999	1.342E+03		999	1.342E+03		999
28	1.346E-01		999	1.346E-01		0	1.382E+03		999	1.382E+03		999
29	1.273E-01		0	1.273E-01		999	1.422E+03		999	1.422E+03		999
30	1.202E-01		0	1.202E-01		999	1.461E+03		999	1.461E+03		999
31	1.133E-01		999	1.133E-01		0	1.501E+03		999	1.501E+03		999
32	1.065E-01		0	1.065E-01		999	1.539E+03		999	1.539E+03		999
33	9.989E-02		0	9.989E-02		999	1.578E+03		999	1.578E+03		999
34	9.348E-02		999	9.348E-02		0	1.616E+03		999	1.616E+03		999
35	8.726E-02		0	8.726E-02		999	1.654E+03		999	1.654E+03		999
36	8.123E-02		0	8.123E-02		999	1.692E+03		999	1.692E+03		999
37	7.540E-02		999	7.540E-02		0	1.729E+03		999	1.729E+03		999
38	6.978E-02		999	6.978E-02		0	1.766E+03		999	1.766E+03		999
39	6.436E-02		0	6.436E-02		999	1.802E+03		999	1.802E+03		999
40	5.916E-02		999	5.916E-02		0	1.838E+03		999	1.838E+03		999
41	5.417E-02		999	5.417E-02		0	1.874E+03		999	1.874E+03		999
42	4.941E-02		0	4.941E-02		999	1.909E+03		999	1.909E+03		999
43	4.487E-02		999	4.487E-02		0	1.944E+03		999	1.944E+03		999
44	4.055E-02		999	4.055E-02		0	1.979E+03		999	1.979E+03		999
45	3.647E-02		0	3.647E-02		999	2.013E+03		999	2.013E+03		999
46	3.263E-02		999	3.263E-02		0	2.046E+03		999	2.046E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.903E-02	999		2.903E-02	0		2.080E+03	999		2.080E+03	999	
48	2.567E-02	999		2.567E-02	0		2.112E+03	999		2.112E+03	999	
49	2.256E-02	999		2.256E-02	0		2.145E+03	999		2.145E+03	999	
50	1.970E-02	0		1.970E-02	999		2.177E+03	999		2.177E+03	999	
51	1.706E-02	999		1.706E-02	0		2.208E+03	999		2.208E+03	999	
52	1.459E-02	0		1.459E-02	999		2.239E+03	999		2.239E+03	999	
53	1.231E-02	0		1.231E-02	999		2.270E+03	999		2.270E+03	999	
54	1.021E-02	999		1.021E-02	0		2.301E+03	999		2.301E+03	999	
55	8.303E-03	0		8.303E-03	999		2.331E+03	999		2.331E+03	999	
56	6.586E-03	999		6.586E-03	0		2.361E+03	999		2.361E+03	999	
57	5.061E-03	999		5.061E-03	0		2.391E+03	999		2.391E+03	999	
58	3.733E-03	0		3.733E-03	999		2.420E+03	999		2.420E+03	999	
59	2.602E-03	0		2.602E-03	999		2.449E+03	999		2.449E+03	999	
60	1.672E-03	999		1.672E-03	0		2.477E+03	999		2.477E+03	999	
61	9.439E-04	0		9.439E-04	999		2.505E+03	999		2.505E+03	999	
62	4.213E-04	0		4.213E-04	999		2.533E+03	999		2.533E+03	999	
63	1.059E-04	999		1.059E-04	0		2.560E+03	999		2.560E+03	999	
64	0.000E+00	999		0.000E+00	999		1.294E+03	999		1.294E+03	999	
65	1.059E-04	999		1.059E-04	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	9.085E+01 999	9.085E+01 999	0.000E+00 999	0.000E+00 999
0	1.177E+02 999	1.177E+02 999	2.683E+01 999	2.683E+01 999
1	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
2	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
3	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
4	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
5	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
6	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
7	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
8	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
9	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
10	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
11	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
12	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
13	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
14	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
15	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
16	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
17	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
18	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
19	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
20	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
21	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
22	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
23	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
24	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
25	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
27	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
28	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
29	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
30	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
31	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
32	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
33	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
34	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
35	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
36	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
37	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
38	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
39	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
40	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
41	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
42	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
43	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
44	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
45	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
46	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
47	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
48	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
49	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
50	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
51	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
53	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
54	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
55	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
56	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
57	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
58	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
59	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
60	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
61	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
62	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
63	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
64	-1.267E+03 999	-1.267E+03 999	-2.683E+01 999	-2.683E+01 999
65	-1.294E+03 999	-1.294E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFLL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	6.270E+01	0.000E+00	1.486E+03	0.000E+00	-1.780E+03	
0	50	0	3.398E+07	2.240E-01	0.000E+00	0.000E+00	0.000E+00	-1.780E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 2        Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.493E-01		0.000E+00		0.000E+00
			-4.894E-03		7.429E+02	
0	0.000E+00	1.444E-01		7.429E+02		0.000E+00
			-4.850E-03		8.057E+02	
1	1.000E+00	1.395E-01		1.557E+03		0.000E+00
			-4.805E-03		6.304E+01	
2	2.000E+00	1.347E-01		1.629E+03		0.000E+00
			-4.757E-03		6.326E+01	
3	3.000E+00	1.300E-01		1.701E+03		0.000E+00
			-4.707E-03		6.348E+01	
4	4.000E+00	1.253E-01		1.772E+03		0.000E+00
			-4.655E-03		6.371E+01	
5	5.000E+00	1.206E-01		1.844E+03		0.000E+00
			-4.600E-03		6.393E+01	
6	6.000E+00	1.160E-01		1.917E+03		0.000E+00
			-4.544E-03		6.416E+01	
7	7.000E+00	1.115E-01		1.989E+03		0.000E+00
			-4.485E-03		6.438E+01	
8	8.000E+00	1.070E-01		2.061E+03		0.000E+00
			-4.425E-03		6.460E+01	
9	9.000E+00	1.026E-01		2.134E+03		0.000E+00
			-4.362E-03		6.483E+01	
10	1.000E+01	9.820E-02		2.206E+03		0.000E+00
			-4.297E-03		6.505E+01	
11	1.100E+01	9.390E-02		2.279E+03		0.000E+00
			-4.230E-03		6.528E+01	
12	1.200E+01	8.967E-02		2.352E+03		0.000E+00
			-4.161E-03		6.550E+01	
13	1.300E+01	8.551E-02		2.425E+03		0.000E+00
			-4.089E-03		6.572E+01	
14	1.400E+01	8.142E-02		2.498E+03		0.000E+00
			-4.016E-03		6.595E+01	
15	1.500E+01	7.741E-02		2.571E+03		0.000E+00
			-3.940E-03		6.617E+01	
16	1.600E+01	7.347E-02		2.644E+03		0.000E+00
			-3.862E-03		6.640E+01	
17	1.700E+01	6.960E-02		2.717E+03		0.000E+00
			-3.782E-03		6.662E+01	
18	1.800E+01	6.582E-02		2.791E+03		0.000E+00
			-3.700E-03		6.684E+01	
19	1.900E+01	6.212E-02		2.864E+03		0.000E+00
			-3.616E-03		6.707E+01	
20	2.000E+01	5.851E-02		2.937E+03		0.000E+00
			-3.530E-03		6.729E+01	
21	2.100E+01	5.498E-02		3.011E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.154E-02	-3.441E-03	3.085E+03	6.752E+01	0.000E+00
23	2.300E+01	4.819E-02	-3.350E-03	3.158E+03	6.774E+01	0.000E+00
24	2.400E+01	4.493E-02	-3.257E-03	3.232E+03	6.796E+01	0.000E+00
25	2.500E+01	4.177E-02	-3.162E-03	3.306E+03	6.819E+01	0.000E+00
26	2.600E+01	3.870E-02	-3.065E-03	3.380E+03	6.841E+01	0.000E+00
27	2.700E+01	3.574E-02	-2.965E-03	3.454E+03	6.864E+01	0.000E+00
28	2.800E+01	3.287E-02	-2.864E-03	3.528E+03	6.886E+01	0.000E+00
29	2.900E+01	3.011E-02	-2.760E-03	3.602E+03	6.908E+01	0.000E+00
30	3.000E+01	2.746E-02	-2.654E-03	3.676E+03	6.931E+01	0.000E+00
31	3.100E+01	2.491E-02	-2.546E-03	3.750E+03	6.953E+01	0.000E+00
32	3.200E+01	2.248E-02	-2.435E-03	3.824E+03	6.976E+01	0.000E+00
33	3.300E+01	2.016E-02	-2.323E-03	3.898E+03	6.998E+01	0.000E+00
34	3.400E+01	1.795E-02	-2.208E-03	3.972E+03	7.020E+01	0.000E+00
35	3.500E+01	1.586E-02	-2.091E-03	4.046E+03	7.043E+01	0.000E+00
36	3.600E+01	1.388E-02	-1.972E-03	4.120E+03	7.065E+01	0.000E+00
37	3.700E+01	1.203E-02	-1.851E-03	4.195E+03	7.088E+01	0.000E+00
38	3.800E+01	1.031E-02	-1.727E-03	4.269E+03	7.110E+01	0.000E+00
39	3.900E+01	8.704E-03	-1.602E-03	4.343E+03	7.132E+01	0.000E+00
40	4.000E+01	7.230E-03	-1.474E-03	4.417E+03	7.155E+01	0.000E+00
41	4.100E+01	5.886E-03	-1.344E-03	4.491E+03	7.177E+01	0.000E+00
42	4.200E+01	4.674E-03	-1.212E-03	4.565E+03	7.200E+01	0.000E+00
43	4.300E+01	3.597E-03	-1.077E-03	4.640E+03	7.222E+01	0.000E+00
44	4.400E+01	2.656E-03	-9.409E-04	4.714E+03	7.244E+01	0.000E+00
45	4.500E+01	1.854E-03	-8.022E-04	4.788E+03	7.267E+01	0.000E+00
46	4.600E+01	1.193E-03	-6.613E-04	4.862E+03	7.289E+01	0.000E+00
47	4.700E+01	6.743E-04	-5.182E-04	4.936E+03	7.312E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.014E-04	-3.729E-04	5.010E+03	7.334E+01	0.000E+00
49	4.900E+01	7.589E-05	-2.255E-04	5.084E+03	7.356E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.589E-05	2.579E+03	-2.505E+03	-7.390E+01
51	5.100E+01	7.589E-05	7.589E-05	0.000E+00	-2.579E+03	0.000E+00

PROB (CONTD)

2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.493E-01		0	1.493E-01	999		0.000E+00	999		0.000E+00	999	
0	1.444E-01		0	1.444E-01	999		7.429E+02	999		7.429E+02	999	
1	1.395E-01	999		1.395E-01	0		1.557E+03	999		1.557E+03	999	
2	1.347E-01	999		1.347E-01	0		1.629E+03	999		1.629E+03	999	
3	1.300E-01		0	1.300E-01	999		1.701E+03	999		1.701E+03	999	
4	1.253E-01		0	1.253E-01	999		1.772E+03	999		1.772E+03	999	
5	1.206E-01		0	1.206E-01	999		1.844E+03	999		1.844E+03	999	
6	1.160E-01	999		1.160E-01	0		1.917E+03	999		1.917E+03	999	
7	1.115E-01	999		1.115E-01	0		1.989E+03	999		1.989E+03	999	
8	1.070E-01	999		1.070E-01	0		2.061E+03	999		2.061E+03	999	
9	1.026E-01		0	1.026E-01	999		2.134E+03	999		2.134E+03	999	
10	9.820E-02		0	9.820E-02	999		2.206E+03	999		2.206E+03	999	
11	9.390E-02	999		9.390E-02	0		2.279E+03	999		2.279E+03	999	
12	8.967E-02	999		8.967E-02	0		2.352E+03	999		2.352E+03	999	
13	8.551E-02		0	8.551E-02	999		2.425E+03	999		2.425E+03	999	
14	8.142E-02		0	8.142E-02	999		2.498E+03	999		2.498E+03	999	
15	7.741E-02	999		7.741E-02	0		2.571E+03	999		2.571E+03	999	
16	7.347E-02	999		7.347E-02	0		2.644E+03	999		2.644E+03	999	
17	6.960E-02		0	6.960E-02	999		2.717E+03	999		2.717E+03	999	
18	6.582E-02		0	6.582E-02	999		2.791E+03	999		2.791E+03	999	
19	6.212E-02	999		6.212E-02	0		2.864E+03	999		2.864E+03	999	
20	5.851E-02		0	5.851E-02	999		2.937E+03	999		2.937E+03	999	
21	5.498E-02	999		5.498E-02	0		3.011E+03	999		3.011E+03	999	
22	5.154E-02	999		5.154E-02	0		3.085E+03	999		3.085E+03	999	
23	4.819E-02	999		4.819E-02	0		3.158E+03	999		3.158E+03	999	
24	4.493E-02	999		4.493E-02	0		3.232E+03	999		3.232E+03	999	
25	4.177E-02	999		4.177E-02	0		3.306E+03	999		3.306E+03	999	
26	3.870E-02		0	3.870E-02	999		3.380E+03	999		3.380E+03	999	
27	3.574E-02		0	3.574E-02	999		3.454E+03	999		3.454E+03	999	
28	3.287E-02		0	3.287E-02	999		3.528E+03	999		3.528E+03	999	
29	3.011E-02	999		3.011E-02	0		3.602E+03	999		3.602E+03	999	
30	2.746E-02		0	2.746E-02	999		3.676E+03	999		3.676E+03	999	
31	2.491E-02		0	2.491E-02	999		3.750E+03	999		3.750E+03	999	
32	2.248E-02		0	2.248E-02	999		3.824E+03	999		3.824E+03	999	
33	2.016E-02		0	2.016E-02	999		3.898E+03	999		3.898E+03	999	
34	1.795E-02		0	1.795E-02	999		3.972E+03	999		3.972E+03	999	
35	1.586E-02		0	1.586E-02	999		4.046E+03	999		4.046E+03	999	
36	1.388E-02		0	1.388E-02	999		4.120E+03	999		4.120E+03	999	
37	1.203E-02		0	1.203E-02	999		4.195E+03	999		4.195E+03	999	
38	1.031E-02		0	1.031E-02	999		4.269E+03	999		4.269E+03	999	
39	8.704E-03		0	8.704E-03	999		4.343E+03	999		4.343E+03	999	
40	7.230E-03	999		7.230E-03	0		4.417E+03	999		4.417E+03	999	
41	5.886E-03		0	5.886E-03	999		4.491E+03	999		4.491E+03	999	
42	4.674E-03		0	4.674E-03	999		4.565E+03	999		4.565E+03	999	
43	3.597E-03		0	3.597E-03	999		4.640E+03	999		4.640E+03	999	
44	2.656E-03		0	2.656E-03	999		4.714E+03	999		4.714E+03	999	
45	1.854E-03	999		1.854E-03	0		4.788E+03	999		4.788E+03	999	
46	1.193E-03	999		1.193E-03	0		4.862E+03	999		4.862E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.743E-04		0	6.743E-04		999	4.936E+03		999	4.936E+03		999
48	3.014E-04		0	3.014E-04		999	5.010E+03		999	5.010E+03		999
49	7.589E-05		0	7.589E-05		999	5.084E+03		999	5.084E+03		999
50	0.000E+00		999	0.000E+00		999	2.579E+03		999	2.579E+03		999
51	7.589E-05		0	7.589E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	7.429E+02 999	7.429E+02 999	0.000E+00 999	0.000E+00 999
0	8.057E+02 999	8.057E+02 999	0.000E+00 999	0.000E+00 999
1	6.304E+01 999	6.304E+01 999	0.000E+00 999	0.000E+00 999
2	6.326E+01 999	6.326E+01 999	0.000E+00 999	0.000E+00 999
3	6.348E+01 999	6.348E+01 999	0.000E+00 999	0.000E+00 999
4	6.371E+01 999	6.371E+01 999	0.000E+00 999	0.000E+00 999
5	6.393E+01 999	6.393E+01 999	0.000E+00 999	0.000E+00 999
6	6.416E+01 999	6.416E+01 999	0.000E+00 999	0.000E+00 999
7	6.438E+01 999	6.438E+01 999	0.000E+00 999	0.000E+00 999
8	6.460E+01 999	6.460E+01 999	0.000E+00 999	0.000E+00 999
9	6.483E+01 999	6.483E+01 999	0.000E+00 999	0.000E+00 999
10	6.505E+01 999	6.505E+01 999	0.000E+00 999	0.000E+00 999
11	6.528E+01 999	6.528E+01 999	0.000E+00 999	0.000E+00 999
12	6.550E+01 999	6.550E+01 999	0.000E+00 999	0.000E+00 999
13	6.572E+01 999	6.572E+01 999	0.000E+00 999	0.000E+00 999
14	6.595E+01 999	6.595E+01 999	0.000E+00 999	0.000E+00 999
15	6.617E+01 999	6.617E+01 999	0.000E+00 999	0.000E+00 999
16	6.640E+01 999	6.640E+01 999	0.000E+00 999	0.000E+00 999
17	6.662E+01 999	6.662E+01 999	0.000E+00 999	0.000E+00 999
18	6.684E+01 999	6.684E+01 999	0.000E+00 999	0.000E+00 999
19	6.707E+01 999	6.707E+01 999	0.000E+00 999	0.000E+00 999
20	6.729E+01 999	6.729E+01 999	0.000E+00 999	0.000E+00 999
21	6.752E+01 999	6.752E+01 999	0.000E+00 999	0.000E+00 999
22	6.774E+01 999	6.774E+01 999	0.000E+00 999	0.000E+00 999
23	6.796E+01 999	6.796E+01 999	0.000E+00 999	0.000E+00 999
24	6.819E+01 999	6.819E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.841E+01 999	6.841E+01 999	0.000E+00 999	0.000E+00 999
27	6.864E+01 999	6.864E+01 999	0.000E+00 999	0.000E+00 999
28	6.886E+01 999	6.886E+01 999	0.000E+00 999	0.000E+00 999
29	6.908E+01 999	6.908E+01 999	0.000E+00 999	0.000E+00 999
30	6.931E+01 999	6.931E+01 999	0.000E+00 999	0.000E+00 999
31	6.953E+01 999	6.953E+01 999	0.000E+00 999	0.000E+00 999
32	6.976E+01 999	6.976E+01 999	0.000E+00 999	0.000E+00 999
33	6.998E+01 999	6.998E+01 999	0.000E+00 999	0.000E+00 999
34	7.020E+01 999	7.020E+01 999	0.000E+00 999	0.000E+00 999
35	7.043E+01 999	7.043E+01 999	0.000E+00 999	0.000E+00 999
36	7.065E+01 999	7.065E+01 999	0.000E+00 999	0.000E+00 999
37	7.088E+01 999	7.088E+01 999	0.000E+00 999	0.000E+00 999
38	7.110E+01 999	7.110E+01 999	0.000E+00 999	0.000E+00 999
39	7.132E+01 999	7.132E+01 999	0.000E+00 999	0.000E+00 999
40	7.155E+01 999	7.155E+01 999	0.000E+00 999	0.000E+00 999
41	7.177E+01 999	7.177E+01 999	0.000E+00 999	0.000E+00 999
42	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
43	7.222E+01 999	7.222E+01 999	0.000E+00 999	0.000E+00 999
44	7.244E+01 999	7.244E+01 999	0.000E+00 999	0.000E+00 999
45	7.267E+01 999	7.267E+01 999	0.000E+00 999	0.000E+00 999
46	7.289E+01 999	7.289E+01 999	0.000E+00 999	0.000E+00 999
47	7.312E+01 999	7.312E+01 999	0.000E+00 999	0.000E+00 999
48	7.334E+01 999	7.334E+01 999	0.000E+00 999	0.000E+00 999
49	7.356E+01 999	7.356E+01 999	0.000E+00 999	0.000E+00 999
50	-2.505E+03 999	-2.505E+03 999	-7.390E+01 999	-7.390E+01 999
51	-2.579E+03 999	-2.579E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFLL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	8.600E+00	0.000E+00	2.339E+02	0.000E+00	-1.892E+03
0	50	0	8.496E+06	1.160E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.892E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF  
 NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.970E-01		0.000E+00		0.000E+00
			-1.004E-02		1.169E+02	
0	0.000E+00	3.870E-01		1.169E+02		1.345E+01
			-1.001E-02		1.391E+02	
1	1.000E+00	3.770E-01		2.749E+02		0.000E+00
			-9.980E-03		2.222E+01	
2	2.000E+00	3.670E-01		3.160E+02		0.000E+00
			-9.943E-03		2.234E+01	
3	3.000E+00	3.571E-01		3.572E+02		0.000E+00
			-9.901E-03		2.246E+01	
4	4.000E+00	3.472E-01		3.984E+02		0.000E+00
			-9.854E-03		2.257E+01	
5	5.000E+00	3.373E-01		4.396E+02		0.000E+00
			-9.802E-03		2.269E+01	
6	6.000E+00	3.275E-01		4.808E+02		0.000E+00
			-9.746E-03		2.280E+01	
7	7.000E+00	3.178E-01		5.221E+02		0.000E+00
			-9.684E-03		2.292E+01	
8	8.000E+00	3.081E-01		5.633E+02		0.000E+00
			-9.618E-03		2.304E+01	
9	9.000E+00	2.985E-01		6.045E+02		0.000E+00
			-9.547E-03		2.315E+01	
10	1.000E+01	2.889E-01		6.457E+02		0.000E+00
			-9.471E-03		2.327E+01	
11	1.100E+01	2.794E-01		6.869E+02		0.000E+00
			-9.390E-03		2.338E+01	
12	1.200E+01	2.700E-01		7.281E+02		0.000E+00
			-9.304E-03		2.350E+01	
13	1.300E+01	2.607E-01		7.692E+02		0.000E+00
			-9.214E-03		2.362E+01	
14	1.400E+01	2.515E-01		8.102E+02		0.000E+00
			-9.119E-03		2.373E+01	
15	1.500E+01	2.424E-01		8.512E+02		0.000E+00
			-9.018E-03		2.385E+01	
16	1.600E+01	2.334E-01		8.921E+02		0.000E+00
			-8.913E-03		2.396E+01	
17	1.700E+01	2.245E-01		9.329E+02		0.000E+00
			-8.804E-03		2.408E+01	
18	1.800E+01	2.157E-01		9.737E+02		0.000E+00
			-8.689E-03		2.420E+01	
19	1.900E+01	2.070E-01		1.014E+03		0.000E+00
			-8.570E-03		2.431E+01	
20	2.000E+01	1.984E-01		1.055E+03		0.000E+00
			-8.445E-03		2.443E+01	
21	2.100E+01	1.900E-01		1.095E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.817E-01	-8.316E-03	1.135E+03	2.454E+01	0.000E+00
23	2.300E+01	1.735E-01	-8.183E-03	1.176E+03	2.466E+01	0.000E+00
24	2.400E+01	1.654E-01	-8.044E-03	1.216E+03	2.478E+01	0.000E+00
25	2.500E+01	1.575E-01	-7.901E-03	1.255E+03	2.489E+01	0.000E+00
26	2.600E+01	1.498E-01	-7.754E-03	1.295E+03	2.501E+01	0.000E+00
27	2.700E+01	1.422E-01	-7.601E-03	1.335E+03	2.512E+01	0.000E+00
28	2.800E+01	1.347E-01	-7.444E-03	1.374E+03	2.524E+01	0.000E+00
29	2.900E+01	1.274E-01	-7.282E-03	1.413E+03	2.536E+01	0.000E+00
30	3.000E+01	1.203E-01	-7.116E-03	1.452E+03	2.547E+01	0.000E+00
31	3.100E+01	1.134E-01	-6.945E-03	1.491E+03	2.559E+01	0.000E+00
32	3.200E+01	1.066E-01	-6.770E-03	1.529E+03	2.570E+01	0.000E+00
33	3.300E+01	1.000E-01	-6.590E-03	1.568E+03	2.582E+01	0.000E+00
34	3.400E+01	9.362E-02	-6.405E-03	1.568E+03	2.594E+01	0.000E+00
35	3.500E+01	8.740E-02	-6.216E-03	1.606E+03	2.605E+01	0.000E+00
36	3.600E+01	8.138E-02	-6.023E-03	1.643E+03	2.617E+01	0.000E+00
37	3.700E+01	7.556E-02	-5.825E-03	1.681E+03	2.628E+01	0.000E+00
38	3.800E+01	6.993E-02	-5.623E-03	1.718E+03	2.640E+01	0.000E+00
39	3.900E+01	6.452E-02	-5.416E-03	1.755E+03	2.652E+01	0.000E+00
40	4.000E+01	5.931E-02	-5.205E-03	1.792E+03	2.663E+01	0.000E+00
41	4.100E+01	5.432E-02	-4.990E-03	1.829E+03	2.675E+01	0.000E+00
42	4.200E+01	4.955E-02	-4.770E-03	1.865E+03	2.686E+01	0.000E+00
43	4.300E+01	4.501E-02	-4.547E-03	1.901E+03	2.698E+01	0.000E+00
44	4.400E+01	4.069E-02	-4.319E-03	1.936E+03	2.710E+01	0.000E+00
45	4.500E+01	3.660E-02	-4.087E-03	1.971E+03	2.721E+01	0.000E+00
46	4.600E+01	3.275E-02	-3.851E-03	2.006E+03	2.733E+01	0.000E+00
47	4.700E+01	2.914E-02	-3.610E-03	2.041E+03	2.744E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.577E-02	-3.366E-03	2.109E+03	2.756E+01	0.000E+00
49	4.900E+01	2.266E-02	-3.118E-03	2.143E+03	2.768E+01	0.000E+00
50	5.000E+01	1.979E-02	-2.866E-03	2.176E+03	2.779E+01	0.000E+00
51	5.100E+01	1.713E-02	-2.656E-03	2.209E+03	2.785E+01	0.000E+00
52	5.200E+01	1.466E-02	-2.475E-03	2.241E+03	2.785E+01	0.000E+00
53	5.300E+01	1.237E-02	-2.291E-03	2.274E+03	2.785E+01	0.000E+00
54	5.400E+01	1.026E-02	-2.105E-03	2.305E+03	2.785E+01	0.000E+00
55	5.500E+01	8.346E-03	-1.917E-03	2.337E+03	2.785E+01	0.000E+00
56	5.600E+01	6.620E-03	-1.725E-03	2.368E+03	2.785E+01	0.000E+00
57	5.700E+01	5.089E-03	-1.532E-03	2.399E+03	2.785E+01	0.000E+00
58	5.800E+01	3.753E-03	-1.335E-03	2.429E+03	2.785E+01	0.000E+00
59	5.900E+01	2.617E-03	-1.137E-03	2.459E+03	2.785E+01	0.000E+00
60	6.000E+01	1.681E-03	-9.354E-04	2.489E+03	2.785E+01	0.000E+00
61	6.100E+01	9.495E-04	-7.317E-04	2.518E+03	2.785E+01	0.000E+00
62	6.200E+01	4.238E-04	-5.257E-04	2.547E+03	2.785E+01	0.000E+00
63	6.300E+01	1.065E-04	-3.173E-04	2.575E+03	2.785E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.065E-04	1.302E+03	-1.274E+03	-2.785E+01
65	6.500E+01	1.065E-04	1.065E-04	0.000E+00	-1.302E+03	0.000E+00

PROB (CONTD)

3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.970E-01	999		3.970E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		1.169E+02	999		1.169E+02	999	
1	3.770E-01	999		3.770E-01	0		2.749E+02	999		2.749E+02	999	
2	3.670E-01	999		3.670E-01	0		3.160E+02	999		3.160E+02	999	
3	3.571E-01	999		3.571E-01	0		3.572E+02	999		3.572E+02	999	
4	3.472E-01	999		3.472E-01	0		3.984E+02	999		3.984E+02	999	
5	3.373E-01	999		3.373E-01	0		4.396E+02	999		4.396E+02	999	
6	3.275E-01	0		3.275E-01	999		4.808E+02	999		4.808E+02	999	
7	3.178E-01	999		3.178E-01	0		5.221E+02	999		5.221E+02	999	
8	3.081E-01	999		3.081E-01	0		5.633E+02	999		5.633E+02	999	
9	2.985E-01	999		2.985E-01	0		6.045E+02	999		6.045E+02	999	
10	2.889E-01	0		2.889E-01	999		6.457E+02	999		6.457E+02	999	
11	2.794E-01	999		2.794E-01	0		6.869E+02	999		6.869E+02	999	
12	2.700E-01	0		2.700E-01	999		7.281E+02	999		7.281E+02	999	
13	2.607E-01	999		2.607E-01	0		7.692E+02	999		7.692E+02	999	
14	2.515E-01	0		2.515E-01	999		8.102E+02	999		8.102E+02	999	
15	2.424E-01	0		2.424E-01	999		8.512E+02	999		8.512E+02	999	
16	2.334E-01	0		2.334E-01	999		8.921E+02	999		8.921E+02	999	
17	2.245E-01	999		2.245E-01	0		9.329E+02	999		9.329E+02	999	
18	2.157E-01	0		2.157E-01	999		9.737E+02	999		9.737E+02	999	
19	2.070E-01	999		2.070E-01	0		1.014E+03	999		1.014E+03	999	
20	1.984E-01	999		1.984E-01	0		1.055E+03	999		1.055E+03	999	
21	1.900E-01	999		1.900E-01	0		1.095E+03	999		1.095E+03	999	
22	1.817E-01	0		1.817E-01	999		1.135E+03	999		1.135E+03	999	
23	1.735E-01	999		1.735E-01	0		1.176E+03	999		1.176E+03	999	
24	1.654E-01	999		1.654E-01	0		1.216E+03	999		1.216E+03	999	
25	1.575E-01	0		1.575E-01	999		1.255E+03	999		1.255E+03	999	
26	1.498E-01	999		1.498E-01	0		1.295E+03	999		1.295E+03	999	
27	1.422E-01	0		1.422E-01	999		1.335E+03	999		1.335E+03	999	
28	1.347E-01	999		1.347E-01	0		1.374E+03	999		1.374E+03	999	
29	1.274E-01	999		1.274E-01	0		1.413E+03	999		1.413E+03	999	
30	1.203E-01	999		1.203E-01	0		1.452E+03	999		1.452E+03	999	
31	1.134E-01	999		1.134E-01	0		1.491E+03	999		1.491E+03	999	
32	1.066E-01	0		1.066E-01	999		1.529E+03	999		1.529E+03	999	
33	1.000E-01	0		1.000E-01	999		1.568E+03	999		1.568E+03	999	
34	9.362E-02	999		9.362E-02	0		1.606E+03	999		1.606E+03	999	
35	8.740E-02	0		8.740E-02	999		1.643E+03	999		1.643E+03	999	
36	8.138E-02	0		8.138E-02	999		1.681E+03	999		1.681E+03	999	
37	7.556E-02	0		7.556E-02	999		1.718E+03	999		1.718E+03	999	
38	6.993E-02	999		6.993E-02	0		1.755E+03	999		1.755E+03	999	
39	6.452E-02	999		6.452E-02	0		1.792E+03	999		1.792E+03	999	
40	5.931E-02	999		5.931E-02	0		1.829E+03	999		1.829E+03	999	
41	5.432E-02	999		5.432E-02	0		1.865E+03	999		1.865E+03	999	
42	4.955E-02	0		4.955E-02	999		1.901E+03	999		1.901E+03	999	
43	4.501E-02	0		4.501E-02	999		1.936E+03	999		1.936E+03	999	
44	4.069E-02	999		4.069E-02	0		1.971E+03	999		1.971E+03	999	
45	3.660E-02	999		3.660E-02	0		2.006E+03	999		2.006E+03	999	
46	3.275E-02	999		3.275E-02	0		2.041E+03	999		2.041E+03	999	



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.914E-02		0	2.914E-02		999	2.075E+03		999	2.075E+03		999
48	2.577E-02		999	2.577E-02		0	2.109E+03		999	2.109E+03		999
49	2.266E-02		999	2.266E-02		0	2.143E+03		999	2.143E+03		999
50	1.979E-02		0	1.979E-02		999	2.176E+03		999	2.176E+03		999
51	1.713E-02		999	1.713E-02		0	2.209E+03		999	2.209E+03		999
52	1.466E-02		999	1.466E-02		0	2.241E+03		999	2.241E+03		999
53	1.237E-02		0	1.237E-02		999	2.274E+03		999	2.274E+03		999
54	1.026E-02		0	1.026E-02		999	2.305E+03		999	2.305E+03		999
55	8.346E-03		999	8.346E-03		0	2.337E+03		999	2.337E+03		999
56	6.620E-03		0	6.620E-03		999	2.368E+03		999	2.368E+03		999
57	5.089E-03		999	5.089E-03		0	2.399E+03		999	2.399E+03		999
58	3.753E-03		999	3.753E-03		0	2.429E+03		999	2.429E+03		999
59	2.617E-03		999	2.617E-03		0	2.459E+03		999	2.459E+03		999
60	1.681E-03		0	1.681E-03		999	2.489E+03		999	2.489E+03		999
61	9.495E-04		0	9.495E-04		999	2.518E+03		999	2.518E+03		999
62	4.238E-04		0	4.238E-04		999	2.547E+03		999	2.547E+03		999
63	1.065E-04		999	1.065E-04		0	2.575E+03		999	2.575E+03		999
64	0.000E+00		999	0.000E+00		999	1.302E+03		999	1.302E+03		999
65	1.065E-04		999	1.065E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.169E+02 999	1.169E+02 999	0.000E+00 999	0.000E+00 999
0	1.391E+02 999	1.391E+02 999	1.345E+01 999	1.345E+01 999
1	2.222E+01 999	2.222E+01 999	0.000E+00 999	0.000E+00 999
2	2.234E+01 999	2.234E+01 999	0.000E+00 999	0.000E+00 999
3	2.246E+01 999	2.246E+01 999	0.000E+00 999	0.000E+00 999
4	2.257E+01 999	2.257E+01 999	0.000E+00 999	0.000E+00 999
5	2.269E+01 999	2.269E+01 999	0.000E+00 999	0.000E+00 999
6	2.280E+01 999	2.280E+01 999	0.000E+00 999	0.000E+00 999
7	2.292E+01 999	2.292E+01 999	0.000E+00 999	0.000E+00 999
8	2.304E+01 999	2.304E+01 999	0.000E+00 999	0.000E+00 999
9	2.315E+01 999	2.315E+01 999	0.000E+00 999	0.000E+00 999
10	2.327E+01 999	2.327E+01 999	0.000E+00 999	0.000E+00 999
11	2.338E+01 999	2.338E+01 999	0.000E+00 999	0.000E+00 999
12	2.350E+01 999	2.350E+01 999	0.000E+00 999	0.000E+00 999
13	2.362E+01 999	2.362E+01 999	0.000E+00 999	0.000E+00 999
14	2.373E+01 999	2.373E+01 999	0.000E+00 999	0.000E+00 999
15	2.385E+01 999	2.385E+01 999	0.000E+00 999	0.000E+00 999
16	2.396E+01 999	2.396E+01 999	0.000E+00 999	0.000E+00 999
17	2.408E+01 999	2.408E+01 999	0.000E+00 999	0.000E+00 999
18	2.420E+01 999	2.420E+01 999	0.000E+00 999	0.000E+00 999
19	2.431E+01 999	2.431E+01 999	0.000E+00 999	0.000E+00 999
20	2.443E+01 999	2.443E+01 999	0.000E+00 999	0.000E+00 999
21	2.454E+01 999	2.454E+01 999	0.000E+00 999	0.000E+00 999
22	2.466E+01 999	2.466E+01 999	0.000E+00 999	0.000E+00 999
23	2.478E+01 999	2.478E+01 999	0.000E+00 999	0.000E+00 999
24	2.489E+01 999	2.489E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.501E+01 999	2.501E+01 999	0.000E+00 999	0.000E+00 999
27	2.512E+01 999	2.512E+01 999	0.000E+00 999	0.000E+00 999
28	2.524E+01 999	2.524E+01 999	0.000E+00 999	0.000E+00 999
29	2.536E+01 999	2.536E+01 999	0.000E+00 999	0.000E+00 999
30	2.547E+01 999	2.547E+01 999	0.000E+00 999	0.000E+00 999
31	2.559E+01 999	2.559E+01 999	0.000E+00 999	0.000E+00 999
32	2.570E+01 999	2.570E+01 999	0.000E+00 999	0.000E+00 999
33	2.582E+01 999	2.582E+01 999	0.000E+00 999	0.000E+00 999
34	2.594E+01 999	2.594E+01 999	0.000E+00 999	0.000E+00 999
35	2.605E+01 999	2.605E+01 999	0.000E+00 999	0.000E+00 999
36	2.617E+01 999	2.617E+01 999	0.000E+00 999	0.000E+00 999
37	2.628E+01 999	2.628E+01 999	0.000E+00 999	0.000E+00 999
38	2.640E+01 999	2.640E+01 999	0.000E+00 999	0.000E+00 999
39	2.652E+01 999	2.652E+01 999	0.000E+00 999	0.000E+00 999
40	2.663E+01 999	2.663E+01 999	0.000E+00 999	0.000E+00 999
41	2.675E+01 999	2.675E+01 999	0.000E+00 999	0.000E+00 999
42	2.686E+01 999	2.686E+01 999	0.000E+00 999	0.000E+00 999
43	2.698E+01 999	2.698E+01 999	0.000E+00 999	0.000E+00 999
44	2.710E+01 999	2.710E+01 999	0.000E+00 999	0.000E+00 999
45	2.721E+01 999	2.721E+01 999	0.000E+00 999	0.000E+00 999
46	2.733E+01 999	2.733E+01 999	0.000E+00 999	0.000E+00 999
47	2.744E+01 999	2.744E+01 999	0.000E+00 999	0.000E+00 999
48	2.756E+01 999	2.756E+01 999	0.000E+00 999	0.000E+00 999
49	2.768E+01 999	2.768E+01 999	0.000E+00 999	0.000E+00 999
50	2.779E+01 999	2.779E+01 999	0.000E+00 999	0.000E+00 999
51	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
53	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
54	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
55	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
56	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
57	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
58	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
59	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
60	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
61	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
62	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
63	2.785E+01 999	2.785E+01 999	0.000E+00 999	0.000E+00 999
64	-1.274E+03 999	-1.274E+03 999	-2.785E+01 999	-2.785E+01 999
65	-1.302E+03 999	-1.302E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.530E+01	0.000E+00	3.737E+02	0.000E+00	-1.892E+03	
0	50	0	3.398E+07	2.160E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF  
 NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	9.455E-02		0.000E+00		0.000E+00
			-2.883E-03		1.869E+02	
0	0.000E+00	9.167E-02		1.869E+02		0.000E+00
			-2.872E-03		2.423E+02	
1	1.000E+00	8.880E-02		4.345E+02		0.000E+00
			-2.859E-03		5.562E+01	
2	2.000E+00	8.594E-02		4.956E+02		0.000E+00
			-2.845E-03		5.584E+01	
3	3.000E+00	8.309E-02		5.568E+02		0.000E+00
			-2.828E-03		5.606E+01	
4	4.000E+00	8.027E-02		6.182E+02		0.000E+00
			-2.810E-03		5.627E+01	
5	5.000E+00	7.746E-02		6.798E+02		0.000E+00
			-2.790E-03		5.649E+01	
6	6.000E+00	7.467E-02		7.416E+02		0.000E+00
			-2.768E-03		5.670E+01	
7	7.000E+00	7.190E-02		8.035E+02		0.000E+00
			-2.745E-03		5.692E+01	
8	8.000E+00	6.915E-02		8.656E+02		0.000E+00
			-2.719E-03		5.714E+01	
9	9.000E+00	6.643E-02		9.279E+02		0.000E+00
			-2.692E-03		5.735E+01	
10	1.000E+01	6.374E-02		9.903E+02		0.000E+00
			-2.663E-03		5.757E+01	
11	1.100E+01	6.108E-02		1.053E+03		0.000E+00
			-2.632E-03		5.778E+01	
12	1.200E+01	5.845E-02		1.116E+03		0.000E+00
			-2.599E-03		5.800E+01	
13	1.300E+01	5.585E-02		1.179E+03		0.000E+00
			-2.564E-03		5.822E+01	
14	1.400E+01	5.328E-02		1.242E+03		0.000E+00
			-2.528E-03		5.843E+01	
15	1.500E+01	5.076E-02		1.305E+03		0.000E+00
			-2.489E-03		5.865E+01	
16	1.600E+01	4.827E-02		1.368E+03		0.000E+00
			-2.449E-03		5.886E+01	
17	1.700E+01	4.582E-02		1.432E+03		0.000E+00
			-2.407E-03		5.908E+01	
18	1.800E+01	4.341E-02		1.495E+03		0.000E+00
			-2.363E-03		5.930E+01	
19	1.900E+01	4.105E-02		1.559E+03		0.000E+00
			-2.317E-03		5.951E+01	
20	2.000E+01	3.873E-02		1.623E+03		0.000E+00
			-2.269E-03		5.973E+01	
21	2.100E+01	3.646E-02		1.687E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.424E-02	-2.219E-03	1.751E+03	5.994E+01	0.000E+00
23	2.300E+01	3.208E-02	-2.168E-03	1.815E+03	6.016E+01	0.000E+00
24	2.400E+01	2.996E-02	-2.115E-03	1.880E+03	6.038E+01	0.000E+00
25	2.500E+01	2.790E-02	-2.059E-03	1.944E+03	6.059E+01	0.000E+00
26	2.600E+01	2.590E-02	-2.002E-03	2.009E+03	6.081E+01	0.000E+00
27	2.700E+01	2.396E-02	-1.943E-03	2.074E+03	6.102E+01	0.000E+00
28	2.800E+01	2.208E-02	-1.882E-03	2.138E+03	6.124E+01	0.000E+00
29	2.900E+01	2.026E-02	-1.819E-03	2.203E+03	6.146E+01	0.000E+00
30	3.000E+01	1.850E-02	-1.754E-03	2.268E+03	6.167E+01	0.000E+00
31	3.100E+01	1.682E-02	-1.687E-03	2.333E+03	6.189E+01	0.000E+00
32	3.200E+01	1.520E-02	-1.619E-03	2.399E+03	6.210E+01	0.000E+00
33	3.300E+01	1.365E-02	-1.548E-03	2.464E+03	6.232E+01	0.000E+00
34	3.400E+01	1.217E-02	-1.476E-03	2.529E+03	6.254E+01	0.000E+00
35	3.500E+01	1.077E-02	-1.401E-03	2.595E+03	6.275E+01	0.000E+00
36	3.600E+01	9.447E-03	-1.325E-03	2.660E+03	6.297E+01	0.000E+00
37	3.700E+01	8.201E-03	-1.246E-03	2.726E+03	6.318E+01	0.000E+00
38	3.800E+01	7.034E-03	-1.166E-03	2.791E+03	6.340E+01	0.000E+00
39	3.900E+01	5.950E-03	-1.084E-03	2.857E+03	6.362E+01	0.000E+00
40	4.000E+01	4.950E-03	-1.000E-03	2.923E+03	6.383E+01	0.000E+00
41	4.100E+01	4.036E-03	-9.140E-04	2.988E+03	6.405E+01	0.000E+00
42	4.200E+01	3.210E-03	-8.261E-04	3.054E+03	6.426E+01	0.000E+00
43	4.300E+01	2.474E-03	-7.362E-04	3.120E+03	6.448E+01	0.000E+00
44	4.400E+01	1.829E-03	-6.444E-04	3.186E+03	6.470E+01	0.000E+00
45	4.500E+01	1.279E-03	-5.506E-04	3.252E+03	6.491E+01	0.000E+00
46	4.600E+01	8.239E-04	-4.549E-04	3.318E+03	6.513E+01	0.000E+00
47	4.700E+01	4.666E-04	-3.573E-04	3.384E+03	6.534E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.089E-04	-2.577E-04	3.450E+03	6.556E+01	0.000E+00
49	4.900E+01	5.271E-05	-1.562E-04	3.516E+03	6.578E+01	0.000E+00
50	5.000E+01	0.000E+00	-5.271E-05	1.791E+03	-1.725E+03	-6.610E+01
51	5.100E+01	5.271E-05	5.271E-05	0.000E+00	-1.791E+03	0.000E+00

PROB (CONTD)

4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	9.455E-02	999		9.455E-02	0		0.000E+00	999		0.000E+00	999	
0	9.167E-02	999		9.167E-02	0		1.869E+02	999		1.869E+02	999	
1	8.880E-02	999		8.880E-02	0		4.345E+02	999		4.345E+02	999	
2	8.594E-02	0		8.594E-02	999		4.956E+02	999		4.956E+02	999	
3	8.309E-02	0		8.309E-02	999		5.568E+02	999		5.568E+02	999	
4	8.027E-02	999		8.027E-02	0		6.182E+02	999		6.182E+02	999	
5	7.746E-02	999		7.746E-02	0		6.798E+02	999		6.798E+02	999	
6	7.467E-02	999		7.467E-02	0		7.416E+02	999		7.416E+02	999	
7	7.190E-02	0		7.190E-02	999		8.035E+02	999		8.035E+02	999	
8	6.915E-02	0		6.915E-02	999		8.656E+02	999		8.656E+02	999	
9	6.643E-02	0		6.643E-02	999		9.279E+02	999		9.279E+02	999	
10	6.374E-02	0		6.374E-02	999		9.903E+02	999		9.903E+02	999	
11	6.108E-02	999		6.108E-02	0		1.053E+03	999		1.053E+03	999	
12	5.845E-02	999		5.845E-02	0		1.116E+03	999		1.116E+03	999	
13	5.585E-02	999		5.585E-02	0		1.179E+03	999		1.179E+03	999	
14	5.328E-02	999		5.328E-02	0		1.242E+03	999		1.242E+03	999	
15	5.076E-02	999		5.076E-02	0		1.305E+03	999		1.305E+03	999	
16	4.827E-02	999		4.827E-02	0		1.368E+03	999		1.368E+03	999	
17	4.582E-02	999		4.582E-02	0		1.432E+03	999		1.432E+03	999	
18	4.341E-02	0		4.341E-02	999		1.495E+03	999		1.495E+03	999	
19	4.105E-02	0		4.105E-02	999		1.559E+03	999		1.559E+03	999	
20	3.873E-02	999		3.873E-02	0		1.623E+03	999		1.623E+03	999	
21	3.646E-02	999		3.646E-02	0		1.687E+03	999		1.687E+03	999	
22	3.424E-02	0		3.424E-02	999		1.751E+03	999		1.751E+03	999	
23	3.208E-02	999		3.208E-02	0		1.815E+03	999		1.815E+03	999	
24	2.996E-02	0		2.996E-02	999		1.880E+03	999		1.880E+03	999	
25	2.790E-02	0		2.790E-02	999		1.944E+03	999		1.944E+03	999	
26	2.590E-02	999		2.590E-02	0		2.009E+03	999		2.009E+03	999	
27	2.396E-02	0		2.396E-02	999		2.074E+03	999		2.074E+03	999	
28	2.208E-02	0		2.208E-02	999		2.138E+03	999		2.138E+03	999	
29	2.026E-02	0		2.026E-02	999		2.203E+03	999		2.203E+03	999	
30	1.850E-02	0		1.850E-02	999		2.268E+03	999		2.268E+03	999	
31	1.682E-02	999		1.682E-02	0		2.333E+03	999		2.333E+03	999	
32	1.520E-02	0		1.520E-02	999		2.399E+03	999		2.399E+03	999	
33	1.365E-02	999		1.365E-02	0		2.464E+03	999		2.464E+03	999	
34	1.217E-02	0		1.217E-02	999		2.529E+03	999		2.529E+03	999	
35	1.077E-02	999		1.077E-02	0		2.595E+03	999		2.595E+03	999	
36	9.447E-03	0		9.447E-03	999		2.660E+03	999		2.660E+03	999	
37	8.201E-03	0		8.201E-03	999		2.726E+03	999		2.726E+03	999	
38	7.034E-03	999		7.034E-03	0		2.791E+03	999		2.791E+03	999	
39	5.950E-03	999		5.950E-03	0		2.857E+03	999		2.857E+03	999	
40	4.950E-03	999		4.950E-03	0		2.923E+03	999		2.923E+03	999	
41	4.036E-03	999		4.036E-03	0		2.988E+03	999		2.988E+03	999	
42	3.210E-03	999		3.210E-03	0		3.054E+03	999		3.054E+03	999	
43	2.474E-03	0		2.474E-03	999		3.120E+03	999		3.120E+03	999	
44	1.829E-03	999		1.829E-03	0		3.186E+03	999		3.186E+03	999	
45	1.279E-03	999		1.279E-03	0		3.252E+03	999		3.252E+03	999	
46	8.239E-04	0		8.239E-04	999		3.318E+03	999		3.318E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.666E-04		0	4.666E-04		999	3.384E+03		999	3.384E+03		999
48	2.089E-04		999	2.089E-04		0	3.450E+03		999	3.450E+03		999
49	5.271E-05		0	5.271E-05		999	3.516E+03		999	3.516E+03		999
50	0.000E+00		999	0.000E+00		999	1.791E+03		999	1.791E+03		999
51	5.271E-05		0	5.271E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.869E+02 999	1.869E+02 999	0.000E+00 999	0.000E+00 999
1	2.423E+02 999	2.423E+02 999	0.000E+00 999	0.000E+00 999
2	5.562E+01 999	5.562E+01 999	0.000E+00 999	0.000E+00 999
3	5.584E+01 999	5.584E+01 999	0.000E+00 999	0.000E+00 999
4	5.606E+01 999	5.606E+01 999	0.000E+00 999	0.000E+00 999
5	5.627E+01 999	5.627E+01 999	0.000E+00 999	0.000E+00 999
6	5.649E+01 999	5.649E+01 999	0.000E+00 999	0.000E+00 999
7	5.670E+01 999	5.670E+01 999	0.000E+00 999	0.000E+00 999
8	5.692E+01 999	5.692E+01 999	0.000E+00 999	0.000E+00 999
9	5.714E+01 999	5.714E+01 999	0.000E+00 999	0.000E+00 999
10	5.735E+01 999	5.735E+01 999	0.000E+00 999	0.000E+00 999
11	5.757E+01 999	5.757E+01 999	0.000E+00 999	0.000E+00 999
12	5.778E+01 999	5.778E+01 999	0.000E+00 999	0.000E+00 999
13	5.800E+01 999	5.800E+01 999	0.000E+00 999	0.000E+00 999
14	5.822E+01 999	5.822E+01 999	0.000E+00 999	0.000E+00 999
15	5.843E+01 999	5.843E+01 999	0.000E+00 999	0.000E+00 999
16	5.865E+01 999	5.865E+01 999	0.000E+00 999	0.000E+00 999
17	5.886E+01 999	5.886E+01 999	0.000E+00 999	0.000E+00 999
18	5.908E+01 999	5.908E+01 999	0.000E+00 999	0.000E+00 999
19	5.930E+01 999	5.930E+01 999	0.000E+00 999	0.000E+00 999
20	5.951E+01 999	5.951E+01 999	0.000E+00 999	0.000E+00 999
21	5.973E+01 999	5.973E+01 999	0.000E+00 999	0.000E+00 999
22	5.994E+01 999	5.994E+01 999	0.000E+00 999	0.000E+00 999
23	6.016E+01 999	6.016E+01 999	0.000E+00 999	0.000E+00 999
24	6.038E+01 999	6.038E+01 999	0.000E+00 999	0.000E+00 999
25	6.059E+01 999	6.059E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.081E+01 999	6.081E+01 999	0.000E+00 999	0.000E+00 999
27	6.102E+01 999	6.102E+01 999	0.000E+00 999	0.000E+00 999
28	6.124E+01 999	6.124E+01 999	0.000E+00 999	0.000E+00 999
29	6.146E+01 999	6.146E+01 999	0.000E+00 999	0.000E+00 999
30	6.167E+01 999	6.167E+01 999	0.000E+00 999	0.000E+00 999
31	6.189E+01 999	6.189E+01 999	0.000E+00 999	0.000E+00 999
32	6.210E+01 999	6.210E+01 999	0.000E+00 999	0.000E+00 999
33	6.232E+01 999	6.232E+01 999	0.000E+00 999	0.000E+00 999
34	6.254E+01 999	6.254E+01 999	0.000E+00 999	0.000E+00 999
35	6.275E+01 999	6.275E+01 999	0.000E+00 999	0.000E+00 999
36	6.297E+01 999	6.297E+01 999	0.000E+00 999	0.000E+00 999
37	6.318E+01 999	6.318E+01 999	0.000E+00 999	0.000E+00 999
38	6.340E+01 999	6.340E+01 999	0.000E+00 999	0.000E+00 999
39	6.362E+01 999	6.362E+01 999	0.000E+00 999	0.000E+00 999
40	6.383E+01 999	6.383E+01 999	0.000E+00 999	0.000E+00 999
41	6.405E+01 999	6.405E+01 999	0.000E+00 999	0.000E+00 999
42	6.426E+01 999	6.426E+01 999	0.000E+00 999	0.000E+00 999
43	6.448E+01 999	6.448E+01 999	0.000E+00 999	0.000E+00 999
44	6.470E+01 999	6.470E+01 999	0.000E+00 999	0.000E+00 999
45	6.491E+01 999	6.491E+01 999	0.000E+00 999	0.000E+00 999
46	6.513E+01 999	6.513E+01 999	0.000E+00 999	0.000E+00 999
47	6.534E+01 999	6.534E+01 999	0.000E+00 999	0.000E+00 999
48	6.556E+01 999	6.556E+01 999	0.000E+00 999	0.000E+00 999
49	6.578E+01 999	6.578E+01 999	0.000E+00 999	0.000E+00 999
50	-1.725E+03 999	-1.725E+03 999	-6.610E+01 999	-6.610E+01 999
51	-1.791E+03 999	-1.791E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFLL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.710E+01	0.000E+00	2.860E+02	0.000E+00	-1.892E+03
0	50	0	8.496E+06	2.240E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.892E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF  
 NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.971E-01		0.000E+00		0.000E+00
			-1.008E-02		1.430E+02	
0	0.000E+00	3.870E-01		1.430E+02		1.210E+00
			-1.004E-02		1.614E+02	
1	1.000E+00	3.770E-01		3.234E+02		0.000E+00
			-1.001E-02		1.865E+01	
2	2.000E+00	3.670E-01		3.610E+02		0.000E+00
			-9.963E-03		1.887E+01	
3	3.000E+00	3.570E-01		3.987E+02		0.000E+00
			-9.916E-03		1.909E+01	
4	4.000E+00	3.471E-01		4.366E+02		0.000E+00
			-9.864E-03		1.932E+01	
5	5.000E+00	3.372E-01		4.745E+02		0.000E+00
			-9.808E-03		1.954E+01	
6	6.000E+00	3.274E-01		5.126E+02		0.000E+00
			-9.748E-03		1.977E+01	
7	7.000E+00	3.177E-01		5.508E+02		0.000E+00
			-9.683E-03		1.999E+01	
8	8.000E+00	3.080E-01		5.891E+02		0.000E+00
			-9.614E-03		2.021E+01	
9	9.000E+00	2.984E-01		6.275E+02		0.000E+00
			-9.540E-03		2.044E+01	
10	1.000E+01	2.888E-01		6.660E+02		0.000E+00
			-9.462E-03		2.066E+01	
11	1.100E+01	2.794E-01		7.046E+02		0.000E+00
			-9.379E-03		2.089E+01	
12	1.200E+01	2.700E-01		7.432E+02		0.000E+00
			-9.291E-03		2.111E+01	
13	1.300E+01	2.607E-01		7.819E+02		0.000E+00
			-9.199E-03		2.133E+01	
14	1.400E+01	2.515E-01		8.206E+02		0.000E+00
			-9.103E-03		2.156E+01	
15	1.500E+01	2.424E-01		8.594E+02		0.000E+00
			-9.001E-03		2.178E+01	
16	1.600E+01	2.334E-01		8.982E+02		0.000E+00
			-8.896E-03		2.201E+01	
17	1.700E+01	2.245E-01		9.370E+02		0.000E+00
			-8.785E-03		2.223E+01	
18	1.800E+01	2.157E-01		9.759E+02		0.000E+00
			-8.671E-03		2.245E+01	
19	1.900E+01	2.070E-01		1.015E+03		0.000E+00
			-8.551E-03		2.268E+01	
20	2.000E+01	1.985E-01		1.054E+03		0.000E+00
			-8.427E-03		2.290E+01	
21	2.100E+01	1.901E-01		1.092E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.818E-01	-8.299E-03	1.131E+03	2.313E+01	0.000E+00
23	2.300E+01	1.736E-01	-8.165E-03	1.170E+03	2.335E+01	0.000E+00
24	2.400E+01	1.656E-01	-8.028E-03	1.209E+03	2.357E+01	0.000E+00
25	2.500E+01	1.577E-01	-7.885E-03	1.248E+03	2.380E+01	0.000E+00
26	2.600E+01	1.499E-01	-7.739E-03	1.286E+03	2.402E+01	0.000E+00
27	2.700E+01	1.423E-01	-7.587E-03	1.325E+03	2.425E+01	0.000E+00
28	2.800E+01	1.349E-01	-7.431E-03	1.363E+03	2.447E+01	0.000E+00
29	2.900E+01	1.276E-01	-7.271E-03	1.402E+03	2.469E+01	0.000E+00
30	3.000E+01	1.205E-01	-7.106E-03	1.440E+03	2.492E+01	0.000E+00
31	3.100E+01	1.136E-01	-6.936E-03	1.478E+03	2.514E+01	0.000E+00
32	3.200E+01	1.068E-01	-6.762E-03	1.517E+03	2.537E+01	0.000E+00
33	3.300E+01	1.003E-01	-6.584E-03	1.555E+03	2.559E+01	0.000E+00
34	3.400E+01	9.386E-02	-6.401E-03	1.592E+03	2.581E+01	0.000E+00
35	3.500E+01	8.764E-02	-6.213E-03	1.630E+03	2.604E+01	0.000E+00
36	3.600E+01	8.162E-02	-6.022E-03	1.668E+03	2.626E+01	0.000E+00
37	3.700E+01	7.580E-02	-5.825E-03	1.705E+03	2.649E+01	0.000E+00
38	3.800E+01	7.017E-02	-5.624E-03	1.743E+03	2.671E+01	0.000E+00
39	3.900E+01	6.475E-02	-5.419E-03	1.780E+03	2.693E+01	0.000E+00
40	4.000E+01	5.954E-02	-5.210E-03	1.817E+03	2.716E+01	0.000E+00
41	4.100E+01	5.455E-02	-4.996E-03	1.854E+03	2.738E+01	0.000E+00
42	4.200E+01	4.977E-02	-4.778E-03	1.890E+03	2.761E+01	0.000E+00
43	4.300E+01	4.521E-02	-4.555E-03	1.927E+03	2.783E+01	0.000E+00
44	4.400E+01	4.089E-02	-4.328E-03	1.963E+03	2.805E+01	0.000E+00
45	4.500E+01	3.679E-02	-4.097E-03	1.999E+03	2.828E+01	0.000E+00
46	4.600E+01	3.293E-02	-3.862E-03	2.035E+03	2.850E+01	0.000E+00
47	4.700E+01	2.930E-02	-3.623E-03	2.071E+03	2.873E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.592E-02	-3.379E-03	2.106E+03	2.895E+01	0.000E+00
49	4.900E+01	2.279E-02	-3.131E-03	2.141E+03	2.917E+01	0.000E+00
50	5.000E+01	1.991E-02	-2.879E-03	2.176E+03	2.940E+01	0.000E+00
51	5.100E+01	1.725E-02	-2.669E-03	2.210E+03	2.951E+01	0.000E+00
52	5.200E+01	1.476E-02	-2.488E-03	2.245E+03	2.951E+01	0.000E+00
53	5.300E+01	1.245E-02	-2.304E-03	2.278E+03	2.951E+01	0.000E+00
54	5.400E+01	1.034E-02	-2.118E-03	2.312E+03	2.951E+01	0.000E+00
55	5.500E+01	8.407E-03	-1.929E-03	2.345E+03	2.951E+01	0.000E+00
56	5.600E+01	6.670E-03	-1.737E-03	2.378E+03	2.951E+01	0.000E+00
57	5.700E+01	5.128E-03	-1.542E-03	2.410E+03	2.951E+01	0.000E+00
58	5.800E+01	3.783E-03	-1.345E-03	2.442E+03	2.951E+01	0.000E+00
59	5.900E+01	2.638E-03	-1.145E-03	2.474E+03	2.951E+01	0.000E+00
60	6.000E+01	1.695E-03	-9.426E-04	2.505E+03	2.951E+01	0.000E+00
61	6.100E+01	9.575E-04	-7.376E-04	2.536E+03	2.951E+01	0.000E+00
62	6.200E+01	4.275E-04	-5.300E-04	2.567E+03	2.951E+01	0.000E+00
63	6.300E+01	1.075E-04	-3.200E-04	2.597E+03	2.951E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.075E-04	1.313E+03	-1.284E+03	-2.951E+01
65	6.500E+01	1.075E-04	1.075E-04	0.000E+00	-1.313E+03	0.000E+00

PROB (CONTD)

5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.971E-01		0	3.971E-01	999		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		1.430E+02	999		1.430E+02	999	
1	3.770E-01		0	3.770E-01	999		3.234E+02	999		3.234E+02	999	
2	3.670E-01		0	3.670E-01	999		3.610E+02	999		3.610E+02	999	
3	3.570E-01		0	3.570E-01	999		3.987E+02	999		3.987E+02	999	
4	3.471E-01		0	3.471E-01	999		4.366E+02	999		4.366E+02	999	
5	3.372E-01	999		3.372E-01	0		4.745E+02	999		4.745E+02	999	
6	3.274E-01	999		3.274E-01	0		5.126E+02	999		5.126E+02	999	
7	3.177E-01	999		3.177E-01	0		5.508E+02	999		5.508E+02	999	
8	3.080E-01	999		3.080E-01	0		5.891E+02	999		5.891E+02	999	
9	2.984E-01	999		2.984E-01	0		6.275E+02	999		6.275E+02	999	
10	2.888E-01		0	2.888E-01	999		6.660E+02	999		6.660E+02	999	
11	2.794E-01		0	2.794E-01	999		7.046E+02	999		7.046E+02	999	
12	2.700E-01	999		2.700E-01	0		7.432E+02	999		7.432E+02	999	
13	2.607E-01		0	2.607E-01	999		7.819E+02	999		7.819E+02	999	
14	2.515E-01		0	2.515E-01	999		8.206E+02	999		8.206E+02	999	
15	2.424E-01		0	2.424E-01	999		8.594E+02	999		8.594E+02	999	
16	2.334E-01		0	2.334E-01	999		8.982E+02	999		8.982E+02	999	
17	2.245E-01		0	2.245E-01	999		9.370E+02	999		9.370E+02	999	
18	2.157E-01		0	2.157E-01	999		9.759E+02	999		9.759E+02	999	
19	2.070E-01		0	2.070E-01	999		1.015E+03	999		1.015E+03	999	
20	1.985E-01	999		1.985E-01	0		1.054E+03	999		1.054E+03	999	
21	1.901E-01		0	1.901E-01	999		1.092E+03	999		1.092E+03	999	
22	1.818E-01	999		1.818E-01	0		1.131E+03	999		1.131E+03	999	
23	1.736E-01	999		1.736E-01	0		1.170E+03	999		1.170E+03	999	
24	1.656E-01	999		1.656E-01	0		1.209E+03	999		1.209E+03	999	
25	1.577E-01		0	1.577E-01	999		1.248E+03	999		1.248E+03	999	
26	1.499E-01		0	1.499E-01	999		1.286E+03	999		1.286E+03	999	
27	1.423E-01	999		1.423E-01	0		1.325E+03	999		1.325E+03	999	
28	1.349E-01	999		1.349E-01	0		1.363E+03	999		1.363E+03	999	
29	1.276E-01	999		1.276E-01	0		1.402E+03	999		1.402E+03	999	
30	1.205E-01	999		1.205E-01	0		1.440E+03	999		1.440E+03	999	
31	1.136E-01		0	1.136E-01	999		1.478E+03	999		1.478E+03	999	
32	1.068E-01		0	1.068E-01	999		1.517E+03	999		1.517E+03	999	
33	1.003E-01		0	1.003E-01	999		1.555E+03	999		1.555E+03	999	
34	9.386E-02	999		9.386E-02	0		1.592E+03	999		1.592E+03	999	
35	8.764E-02	999		8.764E-02	0		1.630E+03	999		1.630E+03	999	
36	8.162E-02	999		8.162E-02	0		1.668E+03	999		1.668E+03	999	
37	7.580E-02		0	7.580E-02	999		1.705E+03	999		1.705E+03	999	
38	7.017E-02		0	7.017E-02	999		1.743E+03	999		1.743E+03	999	
39	6.475E-02	999		6.475E-02	0		1.780E+03	999		1.780E+03	999	
40	5.954E-02	999		5.954E-02	0		1.817E+03	999		1.817E+03	999	
41	5.455E-02		0	5.455E-02	999		1.854E+03	999		1.854E+03	999	
42	4.977E-02		0	4.977E-02	999		1.890E+03	999		1.890E+03	999	
43	4.521E-02	999		4.521E-02	0		1.927E+03	999		1.927E+03	999	
44	4.089E-02		0	4.089E-02	999		1.963E+03	999		1.963E+03	999	
45	3.679E-02		0	3.679E-02	999		1.999E+03	999		1.999E+03	999	
46	3.293E-02		0	3.293E-02	999		2.035E+03	999		2.035E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.930E-02		0	2.930E-02		999	2.071E+03		999	2.071E+03		999
48	2.592E-02		999	2.592E-02		0	2.106E+03		999	2.106E+03		999
49	2.279E-02		999	2.279E-02		0	2.141E+03		999	2.141E+03		999
50	1.991E-02		0	1.991E-02		999	2.176E+03		999	2.176E+03		999
51	1.725E-02		0	1.725E-02		999	2.210E+03		999	2.210E+03		999
52	1.476E-02		999	1.476E-02		0	2.245E+03		999	2.245E+03		999
53	1.245E-02		999	1.245E-02		0	2.278E+03		999	2.278E+03		999
54	1.034E-02		0	1.034E-02		999	2.312E+03		999	2.312E+03		999
55	8.407E-03		0	8.407E-03		999	2.345E+03		999	2.345E+03		999
56	6.670E-03		0	6.670E-03		999	2.378E+03		999	2.378E+03		999
57	5.128E-03		0	5.128E-03		999	2.410E+03		999	2.410E+03		999
58	3.783E-03		999	3.783E-03		0	2.442E+03		999	2.442E+03		999
59	2.638E-03		999	2.638E-03		0	2.474E+03		999	2.474E+03		999
60	1.695E-03		999	1.695E-03		0	2.505E+03		999	2.505E+03		999
61	9.575E-04		999	9.575E-04		0	2.536E+03		999	2.536E+03		999
62	4.275E-04		0	4.275E-04		999	2.567E+03		999	2.567E+03		999
63	1.075E-04		0	1.075E-04		999	2.597E+03		999	2.597E+03		999
64	0.000E+00		999	0.000E+00		999	1.313E+03		999	1.313E+03		999
65	1.075E-04		0	1.075E-04		999	0.000E+00		999	0.000E+00		999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.430E+02 999	1.430E+02 999	1.210E+00 999	1.210E+00 999
1	1.614E+02 999	1.614E+02 999	0.000E+00 999	0.000E+00 999
2	1.865E+01 999	1.865E+01 999	0.000E+00 999	0.000E+00 999
3	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
4	1.909E+01 999	1.909E+01 999	0.000E+00 999	0.000E+00 999
5	1.932E+01 999	1.932E+01 999	0.000E+00 999	0.000E+00 999
6	1.954E+01 999	1.954E+01 999	0.000E+00 999	0.000E+00 999
7	1.977E+01 999	1.977E+01 999	0.000E+00 999	0.000E+00 999
8	1.999E+01 999	1.999E+01 999	0.000E+00 999	0.000E+00 999
9	2.021E+01 999	2.021E+01 999	0.000E+00 999	0.000E+00 999
10	2.044E+01 999	2.044E+01 999	0.000E+00 999	0.000E+00 999
11	2.066E+01 999	2.066E+01 999	0.000E+00 999	0.000E+00 999
12	2.089E+01 999	2.089E+01 999	0.000E+00 999	0.000E+00 999
13	2.111E+01 999	2.111E+01 999	0.000E+00 999	0.000E+00 999
14	2.133E+01 999	2.133E+01 999	0.000E+00 999	0.000E+00 999
15	2.156E+01 999	2.156E+01 999	0.000E+00 999	0.000E+00 999
16	2.178E+01 999	2.178E+01 999	0.000E+00 999	0.000E+00 999
17	2.201E+01 999	2.201E+01 999	0.000E+00 999	0.000E+00 999
18	2.223E+01 999	2.223E+01 999	0.000E+00 999	0.000E+00 999
19	2.245E+01 999	2.245E+01 999	0.000E+00 999	0.000E+00 999
20	2.268E+01 999	2.268E+01 999	0.000E+00 999	0.000E+00 999
21	2.290E+01 999	2.290E+01 999	0.000E+00 999	0.000E+00 999
22	2.313E+01 999	2.313E+01 999	0.000E+00 999	0.000E+00 999
23	2.335E+01 999	2.335E+01 999	0.000E+00 999	0.000E+00 999
24	2.357E+01 999	2.357E+01 999	0.000E+00 999	0.000E+00 999
25	2.380E+01 999	2.380E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.402E+01 999	2.402E+01 999	0.000E+00 999	0.000E+00 999
27	2.425E+01 999	2.425E+01 999	0.000E+00 999	0.000E+00 999
28	2.447E+01 999	2.447E+01 999	0.000E+00 999	0.000E+00 999
29	2.469E+01 999	2.469E+01 999	0.000E+00 999	0.000E+00 999
30	2.492E+01 999	2.492E+01 999	0.000E+00 999	0.000E+00 999
31	2.514E+01 999	2.514E+01 999	0.000E+00 999	0.000E+00 999
32	2.537E+01 999	2.537E+01 999	0.000E+00 999	0.000E+00 999
33	2.559E+01 999	2.559E+01 999	0.000E+00 999	0.000E+00 999
34	2.581E+01 999	2.581E+01 999	0.000E+00 999	0.000E+00 999
35	2.604E+01 999	2.604E+01 999	0.000E+00 999	0.000E+00 999
36	2.626E+01 999	2.626E+01 999	0.000E+00 999	0.000E+00 999
37	2.649E+01 999	2.649E+01 999	0.000E+00 999	0.000E+00 999
38	2.671E+01 999	2.671E+01 999	0.000E+00 999	0.000E+00 999
39	2.693E+01 999	2.693E+01 999	0.000E+00 999	0.000E+00 999
40	2.716E+01 999	2.716E+01 999	0.000E+00 999	0.000E+00 999
41	2.738E+01 999	2.738E+01 999	0.000E+00 999	0.000E+00 999
42	2.761E+01 999	2.761E+01 999	0.000E+00 999	0.000E+00 999
43	2.783E+01 999	2.783E+01 999	0.000E+00 999	0.000E+00 999
44	2.805E+01 999	2.805E+01 999	0.000E+00 999	0.000E+00 999
45	2.828E+01 999	2.828E+01 999	0.000E+00 999	0.000E+00 999
46	2.850E+01 999	2.850E+01 999	0.000E+00 999	0.000E+00 999
47	2.873E+01 999	2.873E+01 999	0.000E+00 999	0.000E+00 999
48	2.895E+01 999	2.895E+01 999	0.000E+00 999	0.000E+00 999
49	2.917E+01 999	2.917E+01 999	0.000E+00 999	0.000E+00 999
50	2.940E+01 999	2.940E+01 999	0.000E+00 999	0.000E+00 999
51	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
53	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
54	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
55	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
56	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
57	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
58	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
59	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
60	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
61	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
62	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
63	2.951E+01 999	2.951E+01 999	0.000E+00 999	0.000E+00 999
64	-1.284E+03 999	-1.284E+03 999	-2.951E+01 999	-2.951E+01 999
65	-1.313E+03 999	-1.313E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.140E+01	0.000E+00	3.482E+02	0.000E+00	-1.892E+03	
0	50	0	3.398E+07	1.940E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 6        Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	8.775E-02		0.000E+00		0.000E+00
			-2.677E-03		1.741E+02	
0	0.000E+00	8.507E-02		1.741E+02		0.000E+00
			-2.666E-03		2.256E+02	
1	1.000E+00	8.241E-02		4.047E+02		0.000E+00
			-2.654E-03		5.169E+01	
2	2.000E+00	7.975E-02		4.615E+02		0.000E+00
			-2.641E-03		5.189E+01	
3	3.000E+00	7.711E-02		5.183E+02		0.000E+00
			-2.626E-03		5.208E+01	
4	4.000E+00	7.449E-02		5.754E+02		0.000E+00
			-2.609E-03		5.227E+01	
5	5.000E+00	7.188E-02		6.326E+02		0.000E+00
			-2.590E-03		5.247E+01	
6	6.000E+00	6.929E-02		6.900E+02		0.000E+00
			-2.570E-03		5.266E+01	
7	7.000E+00	6.672E-02		7.475E+02		0.000E+00
			-2.548E-03		5.286E+01	
8	8.000E+00	6.417E-02		8.051E+02		0.000E+00
			-2.524E-03		5.305E+01	
9	9.000E+00	6.165E-02		8.630E+02		0.000E+00
			-2.499E-03		5.324E+01	
10	1.000E+01	5.915E-02		9.209E+02		0.000E+00
			-2.472E-03		5.344E+01	
11	1.100E+01	5.668E-02		9.791E+02		0.000E+00
			-2.443E-03		5.363E+01	
12	1.200E+01	5.423E-02		1.037E+03		0.000E+00
			-2.412E-03		5.383E+01	
13	1.300E+01	5.182E-02		1.096E+03		0.000E+00
			-2.380E-03		5.402E+01	
14	1.400E+01	4.944E-02		1.154E+03		0.000E+00
			-2.346E-03		5.421E+01	
15	1.500E+01	4.709E-02		1.213E+03		0.000E+00
			-2.310E-03		5.441E+01	
16	1.600E+01	4.478E-02		1.272E+03		0.000E+00
			-2.273E-03		5.460E+01	
17	1.700E+01	4.251E-02		1.331E+03		0.000E+00
			-2.234E-03		5.479E+01	
18	1.800E+01	4.028E-02		1.390E+03		0.000E+00
			-2.193E-03		5.499E+01	
19	1.900E+01	3.809E-02		1.449E+03		0.000E+00
			-2.150E-03		5.518E+01	
20	2.000E+01	3.594E-02		1.508E+03		0.000E+00
			-2.106E-03		5.538E+01	
21	2.100E+01	3.383E-02		1.567E+03		0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.177E-02	-2.060E-03	1.627E+03	5.557E+01	0.000E+00
23	2.300E+01	2.976E-02	-2.012E-03	1.686E+03	5.577E+01	0.000E+00
24	2.400E+01	2.780E-02	-1.962E-03	1.746E+03	5.596E+01	0.000E+00
25	2.500E+01	2.588E-02	-1.911E-03	1.806E+03	5.615E+01	0.000E+00
26	2.600E+01	2.403E-02	-1.858E-03	1.866E+03	5.635E+01	0.000E+00
27	2.700E+01	2.222E-02	-1.803E-03	1.926E+03	5.654E+01	0.000E+00
28	2.800E+01	2.048E-02	-1.746E-03	1.986E+03	5.674E+01	0.000E+00
29	2.900E+01	2.048E-02	-1.688E-03	2.046E+03	5.693E+01	0.000E+00
30	3.000E+01	1.879E-02	-1.627E-03	2.106E+03	5.712E+01	0.000E+00
31	3.100E+01	1.716E-02	-1.565E-03	2.166E+03	5.732E+01	0.000E+00
32	3.200E+01	1.560E-02	-1.502E-03	2.227E+03	5.751E+01	0.000E+00
33	3.300E+01	1.410E-02	-1.436E-03	2.287E+03	5.770E+01	0.000E+00
34	3.400E+01	1.266E-02	-1.369E-03	2.347E+03	5.790E+01	0.000E+00
35	3.500E+01	1.129E-02	-1.300E-03	2.408E+03	5.809E+01	0.000E+00
36	3.600E+01	9.991E-03	-1.229E-03	2.469E+03	5.829E+01	0.000E+00
37	3.700E+01	8.762E-03	-1.156E-03	2.529E+03	5.848E+01	0.000E+00
38	3.800E+01	7.606E-03	-1.082E-03	2.590E+03	5.868E+01	0.000E+00
39	3.900E+01	6.524E-03	-1.006E-03	2.651E+03	5.887E+01	0.000E+00
40	4.000E+01	5.519E-03	-9.276E-04	2.712E+03	5.906E+01	0.000E+00
41	4.100E+01	4.591E-03	-8.478E-04	2.772E+03	5.926E+01	0.000E+00
42	4.200E+01	3.743E-03	-7.662E-04	2.833E+03	5.945E+01	0.000E+00
43	4.300E+01	2.977E-03	-6.828E-04	2.894E+03	5.964E+01	0.000E+00
44	4.400E+01	2.294E-03	-5.976E-04	2.955E+03	5.984E+01	0.000E+00
45	4.500E+01	1.697E-03	-5.107E-04	3.016E+03	6.003E+01	0.000E+00
46	4.600E+01	1.186E-03	-4.219E-04	3.077E+03	6.023E+01	0.000E+00
47	4.700E+01	7.640E-04	-3.313E-04	3.138E+03	6.042E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.937E-04	-2.390E-04	3.199E+03	6.061E+01	0.000E+00
49	4.900E+01	4.888E-05	-1.448E-04	3.261E+03	6.081E+01	0.000E+00
50	5.000E+01	0.000E+00	-4.888E-05	1.661E+03	-1.600E+03	-6.110E+01
51	5.100E+01	4.888E-05	4.888E-05	0.000E+00	-1.661E+03	0.000E+00

PROB (CONTD)

6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	8.775E-02		0	8.775E-02		999	0.000E+00		999	0.000E+00		999
0	8.507E-02		999	8.507E-02		0	1.741E+02		999	1.741E+02		999
1	8.241E-02		0	8.241E-02		999	4.047E+02		999	4.047E+02		999
2	7.975E-02		999	7.975E-02		0	4.615E+02		999	4.615E+02		999
3	7.711E-02		999	7.711E-02		0	5.183E+02		999	5.183E+02		999
4	7.449E-02		999	7.449E-02		0	5.754E+02		999	5.754E+02		999
5	7.188E-02		999	7.188E-02		0	6.326E+02		999	6.326E+02		999
6	6.929E-02		999	6.929E-02		0	6.900E+02		999	6.900E+02		999
7	6.672E-02		999	6.672E-02		0	7.475E+02		999	7.475E+02		999
8	6.417E-02		999	6.417E-02		0	8.051E+02		999	8.051E+02		999
9	6.165E-02		999	6.165E-02		0	8.630E+02		999	8.630E+02		999
10	5.915E-02		0	5.915E-02		999	9.209E+02		999	9.209E+02		999
11	5.668E-02		0	5.668E-02		999	9.791E+02		999	9.791E+02		999
12	5.423E-02		0	5.423E-02		999	1.037E+03		999	1.037E+03		999
13	5.182E-02		999	5.182E-02		0	1.096E+03		999	1.096E+03		999
14	4.944E-02		0	4.944E-02		999	1.154E+03		999	1.154E+03		999
15	4.709E-02		0	4.709E-02		999	1.213E+03		999	1.213E+03		999
16	4.478E-02		0	4.478E-02		999	1.272E+03		999	1.272E+03		999
17	4.251E-02		0	4.251E-02		999	1.331E+03		999	1.331E+03		999
18	4.028E-02		999	4.028E-02		0	1.390E+03		999	1.390E+03		999
19	3.809E-02		0	3.809E-02		999	1.449E+03		999	1.449E+03		999
20	3.594E-02		0	3.594E-02		999	1.508E+03		999	1.508E+03		999
21	3.383E-02		999	3.383E-02		0	1.567E+03		999	1.567E+03		999
22	3.177E-02		999	3.177E-02		0	1.627E+03		999	1.627E+03		999
23	2.976E-02		999	2.976E-02		0	1.686E+03		999	1.686E+03		999
24	2.780E-02		999	2.780E-02		0	1.746E+03		999	1.746E+03		999
25	2.588E-02		999	2.588E-02		0	1.806E+03		999	1.806E+03		999
26	2.403E-02		0	2.403E-02		999	1.866E+03		999	1.866E+03		999
27	2.222E-02		0	2.222E-02		999	1.926E+03		999	1.926E+03		999
28	2.048E-02		999	2.048E-02		0	1.986E+03		999	1.986E+03		999
29	1.879E-02		999	1.879E-02		0	2.046E+03		999	2.046E+03		999
30	1.716E-02		999	1.716E-02		0	2.106E+03		999	2.106E+03		999
31	1.560E-02		0	1.560E-02		999	2.166E+03		999	2.166E+03		999
32	1.410E-02		999	1.410E-02		0	2.227E+03		999	2.227E+03		999
33	1.266E-02		0	1.266E-02		999	2.287E+03		999	2.287E+03		999
34	1.129E-02		0	1.129E-02		999	2.347E+03		999	2.347E+03		999
35	9.991E-03		0	9.991E-03		999	2.408E+03		999	2.408E+03		999
36	8.762E-03		999	8.762E-03		0	2.469E+03		999	2.469E+03		999
37	7.606E-03		999	7.606E-03		0	2.529E+03		999	2.529E+03		999
38	6.524E-03		0	6.524E-03		999	2.590E+03		999	2.590E+03		999
39	5.519E-03		999	5.519E-03		0	2.651E+03		999	2.651E+03		999
40	4.591E-03		999	4.591E-03		0	2.712E+03		999	2.712E+03		999
41	3.743E-03		0	3.743E-03		999	2.772E+03		999	2.772E+03		999
42	2.977E-03		999	2.977E-03		0	2.833E+03		999	2.833E+03		999
43	2.294E-03		999	2.294E-03		0	2.894E+03		999	2.894E+03		999
44	1.697E-03		999	1.697E-03		0	2.955E+03		999	2.955E+03		999
45	1.186E-03		0	1.186E-03		999	3.016E+03		999	3.016E+03		999
46	7.640E-04		999	7.640E-04		0	3.077E+03		999	3.077E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.327E-04		0	4.327E-04		999	3.138E+03		999	3.138E+03		999
48	1.937E-04		0	1.937E-04		999	3.199E+03		999	3.199E+03		999
49	4.888E-05		999	4.888E-05		0	3.261E+03		999	3.261E+03		999
50	0.000E+00		999	0.000E+00		999	1.661E+03		999	1.661E+03		999
51	4.888E-05		999	4.888E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.741E+02 999	1.741E+02 999	0.000E+00 999	0.000E+00 999
0	2.256E+02 999	2.256E+02 999	0.000E+00 999	0.000E+00 999
1	5.169E+01 999	5.169E+01 999	0.000E+00 999	0.000E+00 999
2	5.189E+01 999	5.189E+01 999	0.000E+00 999	0.000E+00 999
3	5.208E+01 999	5.208E+01 999	0.000E+00 999	0.000E+00 999
4	5.227E+01 999	5.227E+01 999	0.000E+00 999	0.000E+00 999
5	5.247E+01 999	5.247E+01 999	0.000E+00 999	0.000E+00 999
6	5.266E+01 999	5.266E+01 999	0.000E+00 999	0.000E+00 999
7	5.286E+01 999	5.286E+01 999	0.000E+00 999	0.000E+00 999
8	5.305E+01 999	5.305E+01 999	0.000E+00 999	0.000E+00 999
9	5.324E+01 999	5.324E+01 999	0.000E+00 999	0.000E+00 999
10	5.344E+01 999	5.344E+01 999	0.000E+00 999	0.000E+00 999
11	5.363E+01 999	5.363E+01 999	0.000E+00 999	0.000E+00 999
12	5.383E+01 999	5.383E+01 999	0.000E+00 999	0.000E+00 999
13	5.402E+01 999	5.402E+01 999	0.000E+00 999	0.000E+00 999
14	5.421E+01 999	5.421E+01 999	0.000E+00 999	0.000E+00 999
15	5.441E+01 999	5.441E+01 999	0.000E+00 999	0.000E+00 999
16	5.460E+01 999	5.460E+01 999	0.000E+00 999	0.000E+00 999
17	5.479E+01 999	5.479E+01 999	0.000E+00 999	0.000E+00 999
18	5.499E+01 999	5.499E+01 999	0.000E+00 999	0.000E+00 999
19	5.518E+01 999	5.518E+01 999	0.000E+00 999	0.000E+00 999
20	5.538E+01 999	5.538E+01 999	0.000E+00 999	0.000E+00 999
21	5.557E+01 999	5.557E+01 999	0.000E+00 999	0.000E+00 999
22	5.577E+01 999	5.577E+01 999	0.000E+00 999	0.000E+00 999
23	5.596E+01 999	5.596E+01 999	0.000E+00 999	0.000E+00 999
24	5.615E+01 999	5.615E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.635E+01 999	5.635E+01 999	0.000E+00 999	0.000E+00 999
27	5.654E+01 999	5.654E+01 999	0.000E+00 999	0.000E+00 999
28	5.674E+01 999	5.674E+01 999	0.000E+00 999	0.000E+00 999
29	5.693E+01 999	5.693E+01 999	0.000E+00 999	0.000E+00 999
30	5.712E+01 999	5.712E+01 999	0.000E+00 999	0.000E+00 999
31	5.732E+01 999	5.732E+01 999	0.000E+00 999	0.000E+00 999
32	5.751E+01 999	5.751E+01 999	0.000E+00 999	0.000E+00 999
33	5.770E+01 999	5.770E+01 999	0.000E+00 999	0.000E+00 999
34	5.790E+01 999	5.790E+01 999	0.000E+00 999	0.000E+00 999
35	5.809E+01 999	5.809E+01 999	0.000E+00 999	0.000E+00 999
36	5.829E+01 999	5.829E+01 999	0.000E+00 999	0.000E+00 999
37	5.848E+01 999	5.848E+01 999	0.000E+00 999	0.000E+00 999
38	5.868E+01 999	5.868E+01 999	0.000E+00 999	0.000E+00 999
39	5.887E+01 999	5.887E+01 999	0.000E+00 999	0.000E+00 999
40	5.906E+01 999	5.906E+01 999	0.000E+00 999	0.000E+00 999
41	5.926E+01 999	5.926E+01 999	0.000E+00 999	0.000E+00 999
42	5.945E+01 999	5.945E+01 999	0.000E+00 999	0.000E+00 999
43	5.964E+01 999	5.964E+01 999	0.000E+00 999	0.000E+00 999
44	5.984E+01 999	5.984E+01 999	0.000E+00 999	0.000E+00 999
45	6.003E+01 999	6.003E+01 999	0.000E+00 999	0.000E+00 999
46	6.023E+01 999	6.023E+01 999	0.000E+00 999	0.000E+00 999
47	6.042E+01 999	6.042E+01 999	0.000E+00 999	0.000E+00 999
48	6.061E+01 999	6.061E+01 999	0.000E+00 999	0.000E+00 999
49	6.081E+01 999	6.081E+01 999	0.000E+00 999	0.000E+00 999
50	-1.600E+03 999	-1.600E+03 999	-6.110E+01 999	-6.110E+01 999
51	-1.661E+03 999	-1.661E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
7 Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFLL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.300E+01	0.000E+00	3.210E+02	0.000E+00	-1.892E+03
0	50	0	8.496E+06	3.170E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.892E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 7        Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.971E-01		0.000E+00		0.000E+00
			-1.009E-02		1.605E+02	
0	0.000E+00	3.870E-01		1.605E+02		-7.665E+00
			-1.005E-02		1.760E+02	
1	1.000E+00	3.769E-01		3.555E+02		0.000E+00
			-1.001E-02		1.581E+01	
2	2.000E+00	3.669E-01		3.902E+02		0.000E+00
			-9.964E-03		1.613E+01	
3	3.000E+00	3.570E-01		4.252E+02		0.000E+00
			-9.914E-03		1.644E+01	
4	4.000E+00	3.471E-01		4.604E+02		0.000E+00
			-9.860E-03		1.676E+01	
5	5.000E+00	3.372E-01		4.958E+02		0.000E+00
			-9.801E-03		1.708E+01	
6	6.000E+00	3.274E-01		5.314E+02		0.000E+00
			-9.739E-03		1.740E+01	
7	7.000E+00	3.177E-01		5.673E+02		0.000E+00
			-9.672E-03		1.771E+01	
8	8.000E+00	3.080E-01		6.033E+02		0.000E+00
			-9.601E-03		1.803E+01	
9	9.000E+00	2.984E-01		6.395E+02		0.000E+00
			-9.526E-03		1.835E+01	
10	1.000E+01	2.889E-01		6.758E+02		0.000E+00
			-9.446E-03		1.866E+01	
11	1.100E+01	2.794E-01		7.124E+02		0.000E+00
			-9.362E-03		1.898E+01	
12	1.200E+01	2.701E-01		7.490E+02		0.000E+00
			-9.274E-03		1.930E+01	
13	1.300E+01	2.608E-01		7.859E+02		0.000E+00
			-9.181E-03		1.961E+01	
14	1.400E+01	2.516E-01		8.229E+02		0.000E+00
			-9.085E-03		1.993E+01	
15	1.500E+01	2.425E-01		8.600E+02		0.000E+00
			-8.983E-03		2.025E+01	
16	1.600E+01	2.335E-01		8.972E+02		0.000E+00
			-8.878E-03		2.057E+01	
17	1.700E+01	2.247E-01		9.346E+02		0.000E+00
			-8.768E-03		2.088E+01	
18	1.800E+01	2.159E-01		9.720E+02		0.000E+00
			-8.653E-03		2.120E+01	
19	1.900E+01	2.072E-01		1.010E+03		0.000E+00
			-8.535E-03		2.152E+01	
20	2.000E+01	1.987E-01		1.047E+03		0.000E+00
			-8.411E-03		2.183E+01	
21	2.100E+01	1.903E-01		1.085E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.820E-01	-8.284E-03	1.123E+03	2.215E+01	0.000E+00
23	2.300E+01	1.739E-01	-8.151E-03	1.161E+03	2.247E+01	0.000E+00
24	2.400E+01	1.658E-01	-8.015E-03	1.199E+03	2.278E+01	0.000E+00
25	2.500E+01	1.580E-01	-7.874E-03	1.237E+03	2.310E+01	0.000E+00
26	2.600E+01	1.502E-01	-7.728E-03	1.275E+03	2.342E+01	0.000E+00
27	2.700E+01	1.427E-01	-7.578E-03	1.313E+03	2.374E+01	0.000E+00
28	2.800E+01	1.352E-01	-7.424E-03	1.351E+03	2.405E+01	0.000E+00
29	2.900E+01	1.280E-01	-7.265E-03	1.389E+03	2.437E+01	0.000E+00
30	3.000E+01	1.209E-01	-7.101E-03	1.427E+03	2.469E+01	0.000E+00
31	3.100E+01	1.139E-01	-6.933E-03	1.465E+03	2.500E+01	0.000E+00
32	3.200E+01	1.072E-01	-6.761E-03	1.503E+03	2.532E+01	0.000E+00
33	3.300E+01	1.006E-01	-6.584E-03	1.541E+03	2.564E+01	0.000E+00
34	3.400E+01	9.419E-02	-6.402E-03	1.579E+03	2.595E+01	0.000E+00
35	3.500E+01	8.797E-02	-6.216E-03	1.618E+03	2.627E+01	0.000E+00
36	3.600E+01	8.195E-02	-6.026E-03	1.655E+03	2.659E+01	0.000E+00
37	3.700E+01	7.611E-02	-5.831E-03	1.693E+03	2.691E+01	0.000E+00
38	3.800E+01	7.048E-02	-5.632E-03	1.731E+03	2.722E+01	0.000E+00
39	3.900E+01	6.505E-02	-5.428E-03	1.769E+03	2.754E+01	0.000E+00
40	4.000E+01	5.983E-02	-5.220E-03	1.807E+03	2.786E+01	0.000E+00
41	4.100E+01	5.483E-02	-5.007E-03	1.844E+03	2.817E+01	0.000E+00
42	4.200E+01	5.004E-02	-4.790E-03	1.882E+03	2.849E+01	0.000E+00
43	4.300E+01	4.547E-02	-4.569E-03	1.919E+03	2.881E+01	0.000E+00
44	4.400E+01	4.113E-02	-4.343E-03	1.957E+03	2.912E+01	0.000E+00
45	4.500E+01	3.701E-02	-4.112E-03	1.994E+03	2.944E+01	0.000E+00
46	4.600E+01	3.314E-02	-3.878E-03	2.031E+03	2.976E+01	0.000E+00
47	4.700E+01	2.950E-02	-3.639E-03	2.068E+03	3.008E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.610E-02	-3.395E-03	2.105E+03	3.039E+01	0.000E+00
49	4.900E+01	2.296E-02	-3.147E-03	2.142E+03	3.071E+01	0.000E+00
50	5.000E+01	2.006E-02	-2.895E-03	2.178E+03	3.103E+01	0.000E+00
51	5.100E+01	1.738E-02	-2.685E-03	2.214E+03	3.118E+01	0.000E+00
52	5.200E+01	1.487E-02	-2.504E-03	2.250E+03	3.119E+01	0.000E+00
53	5.300E+01	1.255E-02	-2.320E-03	2.286E+03	3.119E+01	0.000E+00
54	5.400E+01	1.042E-02	-2.133E-03	2.321E+03	3.118E+01	0.000E+00
55	5.500E+01	8.476E-03	-1.943E-03	2.356E+03	3.119E+01	0.000E+00
56	5.600E+01	6.726E-03	-1.750E-03	2.390E+03	3.119E+01	0.000E+00
57	5.700E+01	5.172E-03	-1.554E-03	2.425E+03	3.119E+01	0.000E+00
58	5.800E+01	3.816E-03	-1.356E-03	2.458E+03	3.118E+01	0.000E+00
59	5.900E+01	2.662E-03	-1.155E-03	2.492E+03	3.119E+01	0.000E+00
60	6.000E+01	1.711E-03	-9.508E-04	2.525E+03	3.118E+01	0.000E+00
61	6.100E+01	9.665E-04	-7.442E-04	2.557E+03	3.119E+01	0.000E+00
62	6.200E+01	4.316E-04	-5.349E-04	2.589E+03	3.118E+01	0.000E+00
63	6.300E+01	1.085E-04	-3.230E-04	2.621E+03	3.119E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.085E-04	2.621E+03	-1.295E+03	-3.119E+01
65	6.500E+01	1.085E-04	1.085E-04	0.000E+00	-1.326E+03	0.000E+00

PROB (CONTD)

7 Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.971E-01	999		3.971E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		1.605E+02	999		1.605E+02	999	
1	3.769E-01	999		3.769E-01	0		3.555E+02	999		3.555E+02	999	
2	3.669E-01	999		3.669E-01	0		3.902E+02	999		3.902E+02	999	
3	3.570E-01	999		3.570E-01	0		4.252E+02	999		4.252E+02	999	
4	3.471E-01	0		3.471E-01	999		4.604E+02	999		4.604E+02	999	
5	3.372E-01	0		3.372E-01	999		4.958E+02	999		4.958E+02	999	
6	3.274E-01	999		3.274E-01	0		5.314E+02	999		5.314E+02	999	
7	3.177E-01	999		3.177E-01	0		5.673E+02	999		5.673E+02	999	
8	3.080E-01	0		3.080E-01	999		6.033E+02	999		6.033E+02	999	
9	2.984E-01	0		2.984E-01	999		6.395E+02	999		6.395E+02	999	
10	2.889E-01	999		2.889E-01	0		6.758E+02	999		6.758E+02	999	
11	2.794E-01	999		2.794E-01	0		7.124E+02	999		7.124E+02	999	
12	2.701E-01	999		2.701E-01	0		7.490E+02	999		7.490E+02	999	
13	2.608E-01	0		2.608E-01	999		7.859E+02	999		7.859E+02	999	
14	2.516E-01	0		2.516E-01	999		8.229E+02	999		8.229E+02	999	
15	2.425E-01	0		2.425E-01	999		8.600E+02	999		8.600E+02	999	
16	2.335E-01	0		2.335E-01	999		8.972E+02	999		8.972E+02	999	
17	2.247E-01	0		2.247E-01	999		9.346E+02	999		9.346E+02	999	
18	2.159E-01	0		2.159E-01	999		9.720E+02	999		9.720E+02	999	
19	2.072E-01	999		2.072E-01	0		1.010E+03	999		1.010E+03	999	
20	1.987E-01	999		1.987E-01	0		1.047E+03	999		1.047E+03	999	
21	1.903E-01	0		1.903E-01	999		1.085E+03	999		1.085E+03	999	
22	1.820E-01	0		1.820E-01	999		1.123E+03	999		1.123E+03	999	
23	1.739E-01	0		1.739E-01	999		1.161E+03	999		1.161E+03	999	
24	1.658E-01	0		1.658E-01	999		1.199E+03	999		1.199E+03	999	
25	1.580E-01	999		1.580E-01	0		1.237E+03	999		1.237E+03	999	
26	1.502E-01	999		1.502E-01	0		1.275E+03	999		1.275E+03	999	
27	1.427E-01	0		1.427E-01	999		1.313E+03	999		1.313E+03	999	
28	1.352E-01	999		1.352E-01	0		1.351E+03	999		1.351E+03	999	
29	1.280E-01	999		1.280E-01	0		1.389E+03	999		1.389E+03	999	
30	1.209E-01	0		1.209E-01	999		1.427E+03	999		1.427E+03	999	
31	1.139E-01	0		1.139E-01	999		1.465E+03	999		1.465E+03	999	
32	1.072E-01	999		1.072E-01	0		1.503E+03	999		1.503E+03	999	
33	1.006E-01	0		1.006E-01	999		1.541E+03	999		1.541E+03	999	
34	9.419E-02	999		9.419E-02	0		1.579E+03	999		1.579E+03	999	
35	8.797E-02	0		8.797E-02	999		1.618E+03	999		1.618E+03	999	
36	8.195E-02	0		8.195E-02	999		1.655E+03	999		1.655E+03	999	
37	7.611E-02	999		7.611E-02	0		1.693E+03	999		1.693E+03	999	
38	7.048E-02	0		7.048E-02	999		1.731E+03	999		1.731E+03	999	
39	6.505E-02	999		6.505E-02	0		1.769E+03	999		1.769E+03	999	
40	5.983E-02	999		5.983E-02	0		1.807E+03	999		1.807E+03	999	
41	5.483E-02	999		5.483E-02	0		1.844E+03	999		1.844E+03	999	
42	5.004E-02	0		5.004E-02	999		1.882E+03	999		1.882E+03	999	
43	4.547E-02	999		4.547E-02	0		1.919E+03	999		1.919E+03	999	
44	4.113E-02	999		4.113E-02	0		1.957E+03	999		1.957E+03	999	
45	3.701E-02	999		3.701E-02	0		1.994E+03	999		1.994E+03	999	
46	3.314E-02	0		3.314E-02	999		2.031E+03	999		2.031E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.950E-02	999		2.950E-02	0		2.068E+03	999		2.068E+03	999	
48	2.610E-02	999		2.610E-02	0		2.105E+03	999		2.105E+03	999	
49	2.296E-02	999		2.296E-02	0		2.142E+03	999		2.142E+03	999	
50	2.006E-02	999		2.006E-02	0		2.178E+03	999		2.178E+03	999	
51	1.738E-02	0		1.738E-02	999		2.214E+03	999		2.214E+03	999	
52	1.487E-02	999		1.487E-02	0		2.250E+03	999		2.250E+03	999	
53	1.255E-02	0		1.255E-02	999		2.286E+03	999		2.286E+03	999	
54	1.042E-02	0		1.042E-02	999		2.321E+03	999		2.321E+03	999	
55	8.476E-03	999		8.476E-03	0		2.356E+03	999		2.356E+03	999	
56	6.726E-03	999		6.726E-03	0		2.390E+03	999		2.390E+03	999	
57	5.172E-03	999		5.172E-03	0		2.425E+03	999		2.425E+03	999	
58	3.816E-03	999		3.816E-03	0		2.458E+03	999		2.458E+03	999	
59	2.662E-03	0		2.662E-03	999		2.492E+03	999		2.492E+03	999	
60	1.711E-03	0		1.711E-03	999		2.525E+03	999		2.525E+03	999	
61	9.665E-04	999		9.665E-04	0		2.557E+03	999		2.557E+03	999	
62	4.316E-04	0		4.316E-04	999		2.589E+03	999		2.589E+03	999	
63	1.085E-04	0		1.085E-04	999		2.621E+03	999		2.621E+03	999	
64	0.000E+00	999		0.000E+00	999		1.326E+03	999		1.326E+03	999	
65	1.085E-04	0		1.085E-04	999		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.605E+02 999	1.605E+02 999	-7.665E+00 999	-7.665E+00 999
1	1.760E+02 999	1.760E+02 999	0.000E+00 999	0.000E+00 999
2	1.581E+01 999	1.581E+01 999	0.000E+00 999	0.000E+00 999
3	1.613E+01 999	1.613E+01 999	0.000E+00 999	0.000E+00 999
4	1.644E+01 999	1.644E+01 999	0.000E+00 999	0.000E+00 999
5	1.676E+01 999	1.676E+01 999	0.000E+00 999	0.000E+00 999
6	1.708E+01 999	1.708E+01 999	0.000E+00 999	0.000E+00 999
7	1.740E+01 999	1.740E+01 999	0.000E+00 999	0.000E+00 999
8	1.771E+01 999	1.771E+01 999	0.000E+00 999	0.000E+00 999
9	1.803E+01 999	1.803E+01 999	0.000E+00 999	0.000E+00 999
10	1.835E+01 999	1.835E+01 999	0.000E+00 999	0.000E+00 999
11	1.866E+01 999	1.866E+01 999	0.000E+00 999	0.000E+00 999
12	1.898E+01 999	1.898E+01 999	0.000E+00 999	0.000E+00 999
13	1.930E+01 999	1.930E+01 999	0.000E+00 999	0.000E+00 999
14	1.961E+01 999	1.961E+01 999	0.000E+00 999	0.000E+00 999
15	1.993E+01 999	1.993E+01 999	0.000E+00 999	0.000E+00 999
16	2.025E+01 999	2.025E+01 999	0.000E+00 999	0.000E+00 999
17	2.057E+01 999	2.057E+01 999	0.000E+00 999	0.000E+00 999
18	2.088E+01 999	2.088E+01 999	0.000E+00 999	0.000E+00 999
19	2.120E+01 999	2.120E+01 999	0.000E+00 999	0.000E+00 999
20	2.152E+01 999	2.152E+01 999	0.000E+00 999	0.000E+00 999
21	2.183E+01 999	2.183E+01 999	0.000E+00 999	0.000E+00 999
22	2.215E+01 999	2.215E+01 999	0.000E+00 999	0.000E+00 999
23	2.247E+01 999	2.247E+01 999	0.000E+00 999	0.000E+00 999
24	2.278E+01 999	2.278E+01 999	0.000E+00 999	0.000E+00 999
25	2.310E+01 999	2.310E+01 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.342E+01 999	2.342E+01 999	0.000E+00 999	0.000E+00 999
27	2.374E+01 999	2.374E+01 999	0.000E+00 999	0.000E+00 999
28	2.405E+01 999	2.405E+01 999	0.000E+00 999	0.000E+00 999
29	2.437E+01 999	2.437E+01 999	0.000E+00 999	0.000E+00 999
30	2.469E+01 999	2.469E+01 999	0.000E+00 999	0.000E+00 999
31	2.500E+01 999	2.500E+01 999	0.000E+00 999	0.000E+00 999
32	2.532E+01 999	2.532E+01 999	0.000E+00 999	0.000E+00 999
33	2.564E+01 999	2.564E+01 999	0.000E+00 999	0.000E+00 999
34	2.595E+01 999	2.595E+01 999	0.000E+00 999	0.000E+00 999
35	2.627E+01 999	2.627E+01 999	0.000E+00 999	0.000E+00 999
36	2.659E+01 999	2.659E+01 999	0.000E+00 999	0.000E+00 999
37	2.691E+01 999	2.691E+01 999	0.000E+00 999	0.000E+00 999
38	2.722E+01 999	2.722E+01 999	0.000E+00 999	0.000E+00 999
39	2.754E+01 999	2.754E+01 999	0.000E+00 999	0.000E+00 999
40	2.786E+01 999	2.786E+01 999	0.000E+00 999	0.000E+00 999
41	2.817E+01 999	2.817E+01 999	0.000E+00 999	0.000E+00 999
42	2.849E+01 999	2.849E+01 999	0.000E+00 999	0.000E+00 999
43	2.881E+01 999	2.881E+01 999	0.000E+00 999	0.000E+00 999
44	2.912E+01 999	2.912E+01 999	0.000E+00 999	0.000E+00 999
45	2.944E+01 999	2.944E+01 999	0.000E+00 999	0.000E+00 999
46	2.976E+01 999	2.976E+01 999	0.000E+00 999	0.000E+00 999
47	3.008E+01 999	3.008E+01 999	0.000E+00 999	0.000E+00 999
48	3.039E+01 999	3.039E+01 999	0.000E+00 999	0.000E+00 999
49	3.071E+01 999	3.071E+01 999	0.000E+00 999	0.000E+00 999
50	3.103E+01 999	3.103E+01 999	0.000E+00 999	0.000E+00 999
51	3.118E+01 999	3.118E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
53	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
54	3.118E+01 999	3.118E+01 999	0.000E+00 999	0.000E+00 999
55	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
56	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
57	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
58	3.118E+01 999	3.118E+01 999	0.000E+00 999	0.000E+00 999
59	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
60	3.118E+01 999	3.118E+01 999	0.000E+00 999	0.000E+00 999
61	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
62	3.118E+01 999	3.118E+01 999	0.000E+00 999	0.000E+00 999
63	3.119E+01 999	3.119E+01 999	0.000E+00 999	0.000E+00 999
64	-1.295E+03 999	-1.295E+03 999	-3.119E+01 999	-3.119E+01 999
65	-1.326E+03 999	-1.326E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	4.140E+01	0.000E+00	2.802E+02	0.000E+00	-1.892E+03	
0	50	0	3.398E+07	1.580E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 8            Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	7.071E-02		0.000E+00		0.000E+00
			-2.157E-03		1.401E+02	
0	0.000E+00	6.855E-02		1.401E+02		0.000E+00
			-2.148E-03		1.816E+02	
1	1.000E+00	6.641E-02		3.257E+02		0.000E+00
			-2.139E-03		4.164E+01	
2	2.000E+00	6.427E-02		3.714E+02		0.000E+00
			-2.128E-03		4.180E+01	
3	3.000E+00	6.214E-02		4.172E+02		0.000E+00
			-2.116E-03		4.195E+01	
4	4.000E+00	6.002E-02		4.632E+02		0.000E+00
			-2.102E-03		4.211E+01	
5	5.000E+00	5.792E-02		5.093E+02		0.000E+00
			-2.087E-03		4.227E+01	
6	6.000E+00	5.584E-02		5.555E+02		0.000E+00
			-2.071E-03		4.243E+01	
7	7.000E+00	5.376E-02		6.018E+02		0.000E+00
			-2.053E-03		4.259E+01	
8	8.000E+00	5.171E-02		6.483E+02		0.000E+00
			-2.034E-03		4.274E+01	
9	9.000E+00	4.968E-02		6.949E+02		0.000E+00
			-2.013E-03		4.290E+01	
10	1.000E+01	4.766E-02		7.416E+02		0.000E+00
			-1.991E-03		4.306E+01	
11	1.100E+01	4.567E-02		7.884E+02		0.000E+00
			-1.968E-03		4.322E+01	
12	1.200E+01	4.370E-02		8.354E+02		0.000E+00
			-1.944E-03		4.337E+01	
13	1.300E+01	4.176E-02		8.824E+02		0.000E+00
			-1.918E-03		4.353E+01	
14	1.400E+01	3.984E-02		9.296E+02		0.000E+00
			-1.890E-03		4.369E+01	
15	1.500E+01	3.795E-02		9.769E+02		0.000E+00
			-1.862E-03		4.385E+01	
16	1.600E+01	3.609E-02		1.024E+03		0.000E+00
			-1.831E-03		4.401E+01	
17	1.700E+01	3.426E-02		1.072E+03		0.000E+00
			-1.800E-03		4.416E+01	
18	1.800E+01	3.246E-02		1.119E+03		0.000E+00
			-1.767E-03		4.432E+01	
19	1.900E+01	3.069E-02		1.167E+03		0.000E+00
			-1.733E-03		4.448E+01	
20	2.000E+01	2.896E-02		1.215E+03		0.000E+00
			-1.697E-03		4.464E+01	
21	2.100E+01	2.726E-02		1.263E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.560E-02	-1.660E-03	1.310E+03	4.480E+01	0.000E+00
23	2.300E+01	2.398E-02	-1.621E-03	1.358E+03	4.495E+01	0.000E+00
24	2.400E+01	2.240E-02	-1.581E-03	1.407E+03	4.511E+01	0.000E+00
25	2.500E+01	2.086E-02	-1.540E-03	1.455E+03	4.527E+01	0.000E+00
26	2.600E+01	1.936E-02	-1.497E-03	1.503E+03	4.543E+01	0.000E+00
27	2.700E+01	1.791E-02	-1.453E-03	1.551E+03	4.559E+01	0.000E+00
28	2.800E+01	1.650E-02	-1.407E-03	1.600E+03	4.575E+01	0.000E+00
29	2.900E+01	1.514E-02	-1.360E-03	1.648E+03	4.590E+01	0.000E+00
30	3.000E+01	1.383E-02	-1.312E-03	1.697E+03	4.606E+01	0.000E+00
31	3.100E+01	1.257E-02	-1.262E-03	1.745E+03	4.622E+01	0.000E+00
32	3.200E+01	1.136E-02	-1.210E-03	1.794E+03	4.638E+01	0.000E+00
33	3.300E+01	1.020E-02	-1.157E-03	1.843E+03	4.653E+01	0.000E+00
34	3.400E+01	9.100E-03	-1.103E-03	1.892E+03	4.669E+01	0.000E+00
35	3.500E+01	8.053E-03	-1.048E-03	1.940E+03	4.685E+01	0.000E+00
36	3.600E+01	7.062E-03	-9.904E-04	1.989E+03	4.701E+01	0.000E+00
37	3.700E+01	6.130E-03	-9.319E-04	2.038E+03	4.717E+01	0.000E+00
38	3.800E+01	5.259E-03	-8.719E-04	2.087E+03	4.733E+01	0.000E+00
39	3.900E+01	4.448E-03	-8.105E-04	2.136E+03	4.748E+01	0.000E+00
40	4.000E+01	3.700E-03	-7.476E-04	2.185E+03	4.764E+01	0.000E+00
41	4.100E+01	3.017E-03	-6.833E-04	2.234E+03	4.780E+01	0.000E+00
42	4.200E+01	2.400E-03	-6.175E-04	2.283E+03	4.796E+01	0.000E+00
43	4.300E+01	1.849E-03	-5.503E-04	2.333E+03	4.812E+01	0.000E+00
44	4.400E+01	1.368E-03	-4.817E-04	2.382E+03	4.827E+01	0.000E+00
45	4.500E+01	9.559E-04	-4.116E-04	2.431E+03	4.843E+01	0.000E+00
46	4.600E+01	6.158E-04	-3.401E-04	2.480E+03	4.859E+01	0.000E+00
47	4.700E+01	3.488E-04	-2.671E-04	2.530E+03	4.875E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.561E-04	-1.926E-04	2.579E+03	4.891E+01	0.000E+00
49	4.900E+01	3.940E-05	-1.167E-04	2.628E+03	4.906E+01	0.000E+00
50	5.000E+01	0.000E+00	-3.940E-05	1.339E+03	-1.289E+03	-4.930E+01
51	5.100E+01	3.940E-05	3.940E-05	0.000E+00	-1.339E+03	0.000E+00

PROB (CONTD)

8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	7.071E-02	999		7.071E-02	0		0.000E+00	999		0.000E+00	999	
0	6.855E-02	999		6.855E-02	0		1.401E+02	999		1.401E+02	999	
1	6.641E-02	0		6.641E-02	999		3.257E+02	999		3.257E+02	999	
2	6.427E-02	999		6.427E-02	0		3.714E+02	999		3.714E+02	999	
3	6.214E-02	0		6.214E-02	999		4.172E+02	999		4.172E+02	999	
4	6.002E-02	0		6.002E-02	999		4.632E+02	999		4.632E+02	999	
5	5.792E-02	0		5.792E-02	999		5.093E+02	999		5.093E+02	999	
6	5.584E-02	0		5.584E-02	999		5.555E+02	999		5.555E+02	999	
7	5.376E-02	0		5.376E-02	999		6.018E+02	999		6.018E+02	999	
8	5.171E-02	0		5.171E-02	999		6.483E+02	999		6.483E+02	999	
9	4.968E-02	999		4.968E-02	0		6.949E+02	999		6.949E+02	999	
10	4.766E-02	0		4.766E-02	999		7.416E+02	999		7.416E+02	999	
11	4.567E-02	0		4.567E-02	999		7.884E+02	999		7.884E+02	999	
12	4.370E-02	0		4.370E-02	999		8.354E+02	999		8.354E+02	999	
13	4.176E-02	0		4.176E-02	999		8.824E+02	999		8.824E+02	999	
14	3.984E-02	999		3.984E-02	0		9.296E+02	999		9.296E+02	999	
15	3.795E-02	0		3.795E-02	999		9.769E+02	999		9.769E+02	999	
16	3.609E-02	999		3.609E-02	0		1.024E+03	999		1.024E+03	999	
17	3.426E-02	0		3.426E-02	999		1.072E+03	999		1.072E+03	999	
18	3.246E-02	999		3.246E-02	0		1.119E+03	999		1.119E+03	999	
19	3.069E-02	0		3.069E-02	999		1.167E+03	999		1.167E+03	999	
20	2.896E-02	999		2.896E-02	0		1.215E+03	999		1.215E+03	999	
21	2.726E-02	999		2.726E-02	0		1.263E+03	999		1.263E+03	999	
22	2.560E-02	999		2.560E-02	0		1.310E+03	999		1.310E+03	999	
23	2.398E-02	999		2.398E-02	0		1.358E+03	999		1.358E+03	999	
24	2.240E-02	999		2.240E-02	0		1.407E+03	999		1.407E+03	999	
25	2.086E-02	0		2.086E-02	999		1.455E+03	999		1.455E+03	999	
26	1.936E-02	999		1.936E-02	0		1.503E+03	999		1.503E+03	999	
27	1.791E-02	999		1.791E-02	0		1.551E+03	999		1.551E+03	999	
28	1.650E-02	0		1.650E-02	999		1.600E+03	999		1.600E+03	999	
29	1.514E-02	0		1.514E-02	999		1.648E+03	999		1.648E+03	999	
30	1.383E-02	999		1.383E-02	0		1.697E+03	999		1.697E+03	999	
31	1.257E-02	0		1.257E-02	999		1.745E+03	999		1.745E+03	999	
32	1.136E-02	0		1.136E-02	999		1.794E+03	999		1.794E+03	999	
33	1.020E-02	999		1.020E-02	0		1.843E+03	999		1.843E+03	999	
34	9.100E-03	0		9.100E-03	999		1.892E+03	999		1.892E+03	999	
35	8.053E-03	999		8.053E-03	0		1.940E+03	999		1.940E+03	999	
36	7.062E-03	999		7.062E-03	0		1.989E+03	999		1.989E+03	999	
37	6.130E-03	0		6.130E-03	999		2.038E+03	999		2.038E+03	999	
38	5.259E-03	0		5.259E-03	999		2.087E+03	999		2.087E+03	999	
39	4.448E-03	999		4.448E-03	0		2.136E+03	999		2.136E+03	999	
40	3.700E-03	0		3.700E-03	999		2.185E+03	999		2.185E+03	999	
41	3.017E-03	999		3.017E-03	0		2.234E+03	999		2.234E+03	999	
42	2.400E-03	999		2.400E-03	0		2.283E+03	999		2.283E+03	999	
43	1.849E-03	999		1.849E-03	0		2.333E+03	999		2.333E+03	999	
44	1.368E-03	999		1.368E-03	0		2.382E+03	999		2.382E+03	999	
45	9.559E-04	0		9.559E-04	999		2.431E+03	999		2.431E+03	999	
46	6.158E-04	0		6.158E-04	999		2.480E+03	999		2.480E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.488E-04	999		3.488E-04	0		2.530E+03	999		2.530E+03	999	
48	1.561E-04	0		1.561E-04	999		2.579E+03	999		2.579E+03	999	
49	3.940E-05	0		3.940E-05	999		2.628E+03	999		2.628E+03	999	
50	0.000E+00	999		0.000E+00	999		1.339E+03	999		1.339E+03	999	
51	3.940E-05	0		3.940E-05	999		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.401E+02 999	1.401E+02 999	0.000E+00 999	0.000E+00 999
0	1.816E+02 999	1.816E+02 999	0.000E+00 999	0.000E+00 999
1	4.164E+01 999	4.164E+01 999	0.000E+00 999	0.000E+00 999
2	4.180E+01 999	4.180E+01 999	0.000E+00 999	0.000E+00 999
3	4.195E+01 999	4.195E+01 999	0.000E+00 999	0.000E+00 999
4	4.211E+01 999	4.211E+01 999	0.000E+00 999	0.000E+00 999
5	4.227E+01 999	4.227E+01 999	0.000E+00 999	0.000E+00 999
6	4.243E+01 999	4.243E+01 999	0.000E+00 999	0.000E+00 999
7	4.259E+01 999	4.259E+01 999	0.000E+00 999	0.000E+00 999
8	4.274E+01 999	4.274E+01 999	0.000E+00 999	0.000E+00 999
9	4.290E+01 999	4.290E+01 999	0.000E+00 999	0.000E+00 999
10	4.306E+01 999	4.306E+01 999	0.000E+00 999	0.000E+00 999
11	4.322E+01 999	4.322E+01 999	0.000E+00 999	0.000E+00 999
12	4.337E+01 999	4.337E+01 999	0.000E+00 999	0.000E+00 999
13	4.353E+01 999	4.353E+01 999	0.000E+00 999	0.000E+00 999
14	4.369E+01 999	4.369E+01 999	0.000E+00 999	0.000E+00 999
15	4.385E+01 999	4.385E+01 999	0.000E+00 999	0.000E+00 999
16	4.401E+01 999	4.401E+01 999	0.000E+00 999	0.000E+00 999
17	4.416E+01 999	4.416E+01 999	0.000E+00 999	0.000E+00 999
18	4.432E+01 999	4.432E+01 999	0.000E+00 999	0.000E+00 999
19	4.448E+01 999	4.448E+01 999	0.000E+00 999	0.000E+00 999
20	4.464E+01 999	4.464E+01 999	0.000E+00 999	0.000E+00 999
21	4.480E+01 999	4.480E+01 999	0.000E+00 999	0.000E+00 999
22	4.495E+01 999	4.495E+01 999	0.000E+00 999	0.000E+00 999
23	4.511E+01 999	4.511E+01 999	0.000E+00 999	0.000E+00 999
24	4.527E+01 999	4.527E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	4.543E+01 999	4.543E+01 999	0.000E+00 999	0.000E+00 999
27	4.559E+01 999	4.559E+01 999	0.000E+00 999	0.000E+00 999
28	4.575E+01 999	4.575E+01 999	0.000E+00 999	0.000E+00 999
29	4.590E+01 999	4.590E+01 999	0.000E+00 999	0.000E+00 999
30	4.606E+01 999	4.606E+01 999	0.000E+00 999	0.000E+00 999
31	4.622E+01 999	4.622E+01 999	0.000E+00 999	0.000E+00 999
32	4.638E+01 999	4.638E+01 999	0.000E+00 999	0.000E+00 999
33	4.653E+01 999	4.653E+01 999	0.000E+00 999	0.000E+00 999
34	4.669E+01 999	4.669E+01 999	0.000E+00 999	0.000E+00 999
35	4.685E+01 999	4.685E+01 999	0.000E+00 999	0.000E+00 999
36	4.701E+01 999	4.701E+01 999	0.000E+00 999	0.000E+00 999
37	4.717E+01 999	4.717E+01 999	0.000E+00 999	0.000E+00 999
38	4.733E+01 999	4.733E+01 999	0.000E+00 999	0.000E+00 999
39	4.748E+01 999	4.748E+01 999	0.000E+00 999	0.000E+00 999
40	4.764E+01 999	4.764E+01 999	0.000E+00 999	0.000E+00 999
41	4.780E+01 999	4.780E+01 999	0.000E+00 999	0.000E+00 999
42	4.796E+01 999	4.796E+01 999	0.000E+00 999	0.000E+00 999
43	4.812E+01 999	4.812E+01 999	0.000E+00 999	0.000E+00 999
44	4.827E+01 999	4.827E+01 999	0.000E+00 999	0.000E+00 999
45	4.843E+01 999	4.843E+01 999	0.000E+00 999	0.000E+00 999
46	4.859E+01 999	4.859E+01 999	0.000E+00 999	0.000E+00 999
47	4.875E+01 999	4.875E+01 999	0.000E+00 999	0.000E+00 999
48	4.891E+01 999	4.891E+01 999	0.000E+00 999	0.000E+00 999
49	4.906E+01 999	4.906E+01 999	0.000E+00 999	0.000E+00 999
50	-1.289E+03 999	-1.289E+03 999	-4.930E+01 999	-4.930E+01 999
51	-1.339E+03 999	-1.339E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		DEFL	MOM	SHR	RCT	
		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.750E+01	0.000E+00	3.473E+02	0.000E+00	-1.892E+03
0	50	0	8.496E+06	3.880E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.892E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-       CONTROL-       CODED  
NO                    COUNTY   NO       IPE   SECTION-JOB       BY       DATE  
Any                    Any   XXXX   XXXX-XX-XXX   Brg   06-18-2010       (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
9                    Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.971E-01		0.000E+00		0.000E+00
0	0.000E+00	3.870E-01	-1.010E-02	1.736E+02	1.736E+02	-1.443E+01
1	1.000E+00	3.769E-01	-1.006E-02	3.796E+02	1.869E+02	0.000E+00
2	2.000E+00	3.669E-01	-1.001E-02	4.122E+02	1.366E+01	0.000E+00
3	3.000E+00	3.570E-01	-9.964E-03	4.451E+02	1.404E+01	0.000E+00
4	4.000E+00	3.471E-01	-9.912E-03	4.783E+02	1.443E+01	0.000E+00
5	5.000E+00	3.372E-01	-9.855E-03	5.117E+02	1.482E+01	0.000E+00
6	6.000E+00	3.274E-01	-9.795E-03	5.455E+02	1.521E+01	0.000E+00
7	7.000E+00	3.177E-01	-9.731E-03	5.795E+02	1.560E+01	0.000E+00
8	8.000E+00	3.080E-01	-9.663E-03	5.795E+02	1.598E+01	0.000E+00
9	9.000E+00	2.984E-01	-9.590E-03	6.137E+02	1.637E+01	0.000E+00
10	1.000E+01	2.889E-01	-9.514E-03	6.482E+02	1.676E+01	0.000E+00
11	1.100E+01	2.795E-01	-9.434E-03	6.830E+02	1.715E+01	0.000E+00
12	1.200E+01	2.701E-01	-9.349E-03	7.180E+02	1.754E+01	0.000E+00
13	1.300E+01	2.609E-01	-9.261E-03	7.532E+02	1.792E+01	0.000E+00
14	1.400E+01	2.517E-01	-9.168E-03	7.886E+02	1.831E+01	0.000E+00
15	1.500E+01	2.426E-01	-9.071E-03	8.243E+02	1.870E+01	0.000E+00
16	1.600E+01	2.337E-01	-8.969E-03	8.602E+02	1.909E+01	0.000E+00
17	1.700E+01	2.248E-01	-8.864E-03	8.962E+02	1.948E+01	0.000E+00
18	1.800E+01	2.160E-01	-8.754E-03	9.325E+02	1.986E+01	0.000E+00
19	1.900E+01	2.074E-01	-8.640E-03	9.689E+02	2.025E+01	0.000E+00
20	2.000E+01	1.989E-01	-8.522E-03	1.005E+03	2.064E+01	0.000E+00
21	2.100E+01	1.905E-01	-8.399E-03	1.042E+03	2.103E+01	0.000E+00
21	2.100E+01	1.905E-01		1.079E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.822E-01	-8.272E-03	1.116E+03	2.142E+01	0.000E+00
23	2.300E+01	1.741E-01	-8.141E-03	1.153E+03	2.180E+01	0.000E+00
24	2.400E+01	1.661E-01	-8.005E-03	1.191E+03	2.219E+01	0.000E+00
25	2.500E+01	1.582E-01	-7.865E-03	1.228E+03	2.258E+01	0.000E+00
26	2.600E+01	1.505E-01	-7.720E-03	1.266E+03	2.297E+01	0.000E+00
27	2.700E+01	1.429E-01	-7.571E-03	1.303E+03	2.336E+01	0.000E+00
28	2.800E+01	1.355E-01	-7.418E-03	1.341E+03	2.374E+01	0.000E+00
29	2.900E+01	1.282E-01	-7.260E-03	1.379E+03	2.413E+01	0.000E+00
30	3.000E+01	1.211E-01	-7.098E-03	1.417E+03	2.452E+01	0.000E+00
31	3.100E+01	1.142E-01	-6.931E-03	1.455E+03	2.491E+01	0.000E+00
32	3.200E+01	1.074E-01	-6.760E-03	1.493E+03	2.530E+01	0.000E+00
33	3.300E+01	1.009E-01	-6.584E-03	1.531E+03	2.568E+01	0.000E+00
34	3.400E+01	9.445E-02	-6.404E-03	1.569E+03	2.607E+01	0.000E+00
35	3.500E+01	8.823E-02	-6.219E-03	1.608E+03	2.646E+01	0.000E+00
36	3.600E+01	8.220E-02	-6.030E-03	1.646E+03	2.685E+01	0.000E+00
37	3.700E+01	7.636E-02	-5.836E-03	1.684E+03	2.724E+01	0.000E+00
38	3.800E+01	7.072E-02	-5.638E-03	1.723E+03	2.762E+01	0.000E+00
39	3.900E+01	6.529E-02	-5.435E-03	1.761E+03	2.801E+01	0.000E+00
40	4.000E+01	6.006E-02	-5.228E-03	1.799E+03	2.840E+01	0.000E+00
41	4.100E+01	5.505E-02	-5.016E-03	1.837E+03	2.879E+01	0.000E+00
42	4.200E+01	5.025E-02	-4.800E-03	1.876E+03	2.918E+01	0.000E+00
43	4.300E+01	4.567E-02	-4.579E-03	1.914E+03	2.956E+01	0.000E+00
44	4.400E+01	4.131E-02	-4.354E-03	1.952E+03	2.995E+01	0.000E+00
45	4.500E+01	3.719E-02	-4.124E-03	1.990E+03	3.034E+01	0.000E+00
46	4.600E+01	3.330E-02	-3.890E-03	2.028E+03	3.073E+01	0.000E+00
47	4.700E+01	2.965E-02	-3.651E-03	2.066E+03	3.112E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.624E-02	-3.408E-03	2.104E+03	3.150E+01	0.000E+00
49	4.900E+01	2.308E-02	-3.160E-03	2.142E+03	3.189E+01	0.000E+00
50	5.000E+01	2.017E-02	-2.908E-03	2.180E+03	3.228E+01	0.000E+00
51	5.100E+01	1.748E-02	-2.698E-03	2.217E+03	3.247E+01	0.000E+00
52	5.200E+01	1.496E-02	-2.516E-03	2.255E+03	3.247E+01	0.000E+00
53	5.300E+01	1.263E-02	-2.332E-03	2.292E+03	3.247E+01	0.000E+00
54	5.400E+01	1.048E-02	-2.144E-03	2.328E+03	3.247E+01	0.000E+00
55	5.500E+01	8.530E-03	-1.954E-03	2.364E+03	3.247E+01	0.000E+00
56	5.600E+01	6.770E-03	-1.760E-03	2.400E+03	3.247E+01	0.000E+00
57	5.700E+01	5.206E-03	-1.564E-03	2.436E+03	3.247E+01	0.000E+00
58	5.800E+01	3.842E-03	-1.364E-03	2.471E+03	3.247E+01	0.000E+00
59	5.900E+01	2.680E-03	-1.162E-03	2.505E+03	3.247E+01	0.000E+00
60	6.000E+01	1.723E-03	-9.571E-04	2.540E+03	3.247E+01	0.000E+00
61	6.100E+01	9.735E-04	-7.493E-04	2.573E+03	3.247E+01	0.000E+00
62	6.200E+01	4.348E-04	-5.387E-04	2.607E+03	3.247E+01	0.000E+00
63	6.300E+01	1.094E-04	-3.254E-04	2.640E+03	3.247E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.094E-04	1.336E+03	-1.304E+03	-3.247E+01
65	6.500E+01	1.094E-04	1.094E-04	0.000E+00	-1.336E+03	0.000E+00

PROB (CONTD)

9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.971E-01		0	3.971E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	1.736E+02		999	1.736E+02		999
1	3.769E-01		0	3.769E-01		999	3.796E+02		999	3.796E+02		999
2	3.669E-01		999	3.669E-01		0	4.122E+02		999	4.122E+02		999
3	3.570E-01		0	3.570E-01		999	4.451E+02		999	4.451E+02		999
4	3.471E-01		999	3.471E-01		0	4.783E+02		999	4.783E+02		999
5	3.372E-01		999	3.372E-01		0	5.117E+02		999	5.117E+02		999
6	3.274E-01		999	3.274E-01		0	5.455E+02		999	5.455E+02		999
7	3.177E-01		0	3.177E-01		999	5.795E+02		999	5.795E+02		999
8	3.080E-01		0	3.080E-01		999	6.137E+02		999	6.137E+02		999
9	2.984E-01		0	2.984E-01		999	6.482E+02		999	6.482E+02		999
10	2.889E-01		999	2.889E-01		0	6.830E+02		999	6.830E+02		999
11	2.795E-01		0	2.795E-01		999	7.180E+02		999	7.180E+02		999
12	2.701E-01		0	2.701E-01		999	7.532E+02		999	7.532E+02		999
13	2.609E-01		999	2.609E-01		0	7.886E+02		999	7.886E+02		999
14	2.517E-01		0	2.517E-01		999	8.243E+02		999	8.243E+02		999
15	2.426E-01		999	2.426E-01		0	8.602E+02		999	8.602E+02		999
16	2.337E-01		999	2.337E-01		0	8.962E+02		999	8.962E+02		999
17	2.248E-01		999	2.248E-01		0	9.325E+02		999	9.325E+02		999
18	2.160E-01		0	2.160E-01		999	9.689E+02		999	9.689E+02		999
19	2.074E-01		999	2.074E-01		0	1.005E+03		999	1.005E+03		999
20	1.989E-01		0	1.989E-01		999	1.042E+03		999	1.042E+03		999
21	1.905E-01		0	1.905E-01		999	1.079E+03		999	1.079E+03		999
22	1.822E-01		0	1.822E-01		999	1.116E+03		999	1.116E+03		999
23	1.741E-01		0	1.741E-01		999	1.153E+03		999	1.153E+03		999
24	1.661E-01		999	1.661E-01		0	1.191E+03		999	1.191E+03		999
25	1.582E-01		999	1.582E-01		0	1.228E+03		999	1.228E+03		999
26	1.505E-01		0	1.505E-01		999	1.266E+03		999	1.266E+03		999
27	1.429E-01		999	1.429E-01		0	1.303E+03		999	1.303E+03		999
28	1.355E-01		0	1.355E-01		999	1.341E+03		999	1.341E+03		999
29	1.282E-01		0	1.282E-01		999	1.379E+03		999	1.379E+03		999
30	1.211E-01		0	1.211E-01		999	1.417E+03		999	1.417E+03		999
31	1.142E-01		0	1.142E-01		999	1.455E+03		999	1.455E+03		999
32	1.074E-01		999	1.074E-01		0	1.493E+03		999	1.493E+03		999
33	1.009E-01		999	1.009E-01		0	1.531E+03		999	1.531E+03		999
34	9.445E-02		0	9.445E-02		999	1.569E+03		999	1.569E+03		999
35	8.823E-02		0	8.823E-02		999	1.608E+03		999	1.608E+03		999
36	8.220E-02		999	8.220E-02		0	1.646E+03		999	1.646E+03		999
37	7.636E-02		0	7.636E-02		999	1.684E+03		999	1.684E+03		999
38	7.072E-02		999	7.072E-02		0	1.723E+03		999	1.723E+03		999
39	6.529E-02		999	6.529E-02		0	1.761E+03		999	1.761E+03		999
40	6.006E-02		999	6.006E-02		0	1.799E+03		999	1.799E+03		999
41	5.505E-02		0	5.505E-02		999	1.837E+03		999	1.837E+03		999
42	5.025E-02		0	5.025E-02		999	1.876E+03		999	1.876E+03		999
43	4.567E-02		0	4.567E-02		999	1.914E+03		999	1.914E+03		999
44	4.131E-02		0	4.131E-02		999	1.952E+03		999	1.952E+03		999
45	3.719E-02		0	3.719E-02		999	1.990E+03		999	1.990E+03		999
46	3.330E-02		0	3.330E-02		999	2.028E+03		999	2.028E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.965E-02		999	2.965E-02		0	2.066E+03		999	2.066E+03		999
48	2.624E-02		999	2.624E-02		0	2.104E+03		999	2.104E+03		999
49	2.308E-02		999	2.308E-02		0	2.142E+03		999	2.142E+03		999
50	2.017E-02		0	2.017E-02		999	2.180E+03		999	2.180E+03		999
51	1.748E-02		0	1.748E-02		999	2.217E+03		999	2.217E+03		999
52	1.496E-02		999	1.496E-02		0	2.255E+03		999	2.255E+03		999
53	1.263E-02		0	1.263E-02		999	2.292E+03		999	2.292E+03		999
54	1.048E-02		0	1.048E-02		999	2.328E+03		999	2.328E+03		999
55	8.530E-03		999	8.530E-03		0	2.364E+03		999	2.364E+03		999
56	6.770E-03		999	6.770E-03		0	2.400E+03		999	2.400E+03		999
57	5.206E-03		999	5.206E-03		0	2.436E+03		999	2.436E+03		999
58	3.842E-03		999	3.842E-03		0	2.471E+03		999	2.471E+03		999
59	2.680E-03		0	2.680E-03		999	2.505E+03		999	2.505E+03		999
60	1.723E-03		999	1.723E-03		0	2.540E+03		999	2.540E+03		999
61	9.735E-04		0	9.735E-04		999	2.573E+03		999	2.573E+03		999
62	4.348E-04		999	4.348E-04		0	2.607E+03		999	2.607E+03		999
63	1.094E-04		0	1.094E-04		999	2.640E+03		999	2.640E+03		999
64	0.000E+00		999	0.000E+00		999	1.336E+03		999	1.336E+03		999
65	1.094E-04		0	1.094E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.736E+02 999	1.736E+02 999	-1.443E+01 999	-1.443E+01 999
1	1.869E+02 999	1.869E+02 999	0.000E+00 999	0.000E+00 999
2	1.366E+01 999	1.366E+01 999	0.000E+00 999	0.000E+00 999
3	1.404E+01 999	1.404E+01 999	0.000E+00 999	0.000E+00 999
4	1.443E+01 999	1.443E+01 999	0.000E+00 999	0.000E+00 999
5	1.482E+01 999	1.482E+01 999	0.000E+00 999	0.000E+00 999
6	1.521E+01 999	1.521E+01 999	0.000E+00 999	0.000E+00 999
7	1.560E+01 999	1.560E+01 999	0.000E+00 999	0.000E+00 999
8	1.598E+01 999	1.598E+01 999	0.000E+00 999	0.000E+00 999
9	1.637E+01 999	1.637E+01 999	0.000E+00 999	0.000E+00 999
10	1.676E+01 999	1.676E+01 999	0.000E+00 999	0.000E+00 999
11	1.715E+01 999	1.715E+01 999	0.000E+00 999	0.000E+00 999
12	1.754E+01 999	1.754E+01 999	0.000E+00 999	0.000E+00 999
13	1.792E+01 999	1.792E+01 999	0.000E+00 999	0.000E+00 999
14	1.831E+01 999	1.831E+01 999	0.000E+00 999	0.000E+00 999
15	1.870E+01 999	1.870E+01 999	0.000E+00 999	0.000E+00 999
16	1.909E+01 999	1.909E+01 999	0.000E+00 999	0.000E+00 999
17	1.948E+01 999	1.948E+01 999	0.000E+00 999	0.000E+00 999
18	1.986E+01 999	1.986E+01 999	0.000E+00 999	0.000E+00 999
19	2.025E+01 999	2.025E+01 999	0.000E+00 999	0.000E+00 999
20	2.064E+01 999	2.064E+01 999	0.000E+00 999	0.000E+00 999
21	2.103E+01 999	2.103E+01 999	0.000E+00 999	0.000E+00 999
22	2.142E+01 999	2.142E+01 999	0.000E+00 999	0.000E+00 999
23	2.180E+01 999	2.180E+01 999	0.000E+00 999	0.000E+00 999
24	2.219E+01 999	2.219E+01 999	0.000E+00 999	0.000E+00 999
25	2.258E+01 999	2.258E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.297E+01 999	2.297E+01 999	0.000E+00 999	0.000E+00 999
27	2.336E+01 999	2.336E+01 999	0.000E+00 999	0.000E+00 999
28	2.374E+01 999	2.374E+01 999	0.000E+00 999	0.000E+00 999
29	2.413E+01 999	2.413E+01 999	0.000E+00 999	0.000E+00 999
30	2.452E+01 999	2.452E+01 999	0.000E+00 999	0.000E+00 999
31	2.491E+01 999	2.491E+01 999	0.000E+00 999	0.000E+00 999
32	2.530E+01 999	2.530E+01 999	0.000E+00 999	0.000E+00 999
33	2.568E+01 999	2.568E+01 999	0.000E+00 999	0.000E+00 999
34	2.607E+01 999	2.607E+01 999	0.000E+00 999	0.000E+00 999
35	2.646E+01 999	2.646E+01 999	0.000E+00 999	0.000E+00 999
36	2.685E+01 999	2.685E+01 999	0.000E+00 999	0.000E+00 999
37	2.724E+01 999	2.724E+01 999	0.000E+00 999	0.000E+00 999
38	2.762E+01 999	2.762E+01 999	0.000E+00 999	0.000E+00 999
39	2.801E+01 999	2.801E+01 999	0.000E+00 999	0.000E+00 999
40	2.840E+01 999	2.840E+01 999	0.000E+00 999	0.000E+00 999
41	2.879E+01 999	2.879E+01 999	0.000E+00 999	0.000E+00 999
42	2.918E+01 999	2.918E+01 999	0.000E+00 999	0.000E+00 999
43	2.956E+01 999	2.956E+01 999	0.000E+00 999	0.000E+00 999
44	2.995E+01 999	2.995E+01 999	0.000E+00 999	0.000E+00 999
45	3.034E+01 999	3.034E+01 999	0.000E+00 999	0.000E+00 999
46	3.073E+01 999	3.073E+01 999	0.000E+00 999	0.000E+00 999
47	3.112E+01 999	3.112E+01 999	0.000E+00 999	0.000E+00 999
48	3.150E+01 999	3.150E+01 999	0.000E+00 999	0.000E+00 999
49	3.189E+01 999	3.189E+01 999	0.000E+00 999	0.000E+00 999
50	3.228E+01 999	3.228E+01 999	0.000E+00 999	0.000E+00 999
51	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
53	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
54	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
55	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
56	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
57	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
58	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
59	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
60	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
61	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
62	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
63	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
64	-1.304E+03 999	-1.304E+03 999	-3.247E+01 999	-3.247E+01 999
65	-1.336E+03 999	-1.336E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	2.150E+01	0.000E+00	1.445E+02	0.000E+00	-1.892E+03	
0	50	0	3.398E+07	1.120E-01	0.000E+00	0.000E+00	0.000E+00	-1.892E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 10        Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.743E-02		0.000E+00		0.000E+00
			-1.138E-03		7.225E+01	
0	0.000E+00	3.629E-02		7.225E+01		0.000E+00
			-1.134E-03		9.381E+01	
1	1.000E+00	3.516E-02		1.682E+02		0.000E+00
			-1.129E-03		2.167E+01	
2	2.000E+00	3.403E-02		1.920E+02		0.000E+00
			-1.123E-03		2.178E+01	
3	3.000E+00	3.290E-02		2.159E+02		0.000E+00
			-1.117E-03		2.189E+01	
4	4.000E+00	3.179E-02		2.399E+02		0.000E+00
			-1.110E-03		2.200E+01	
5	5.000E+00	3.068E-02		2.640E+02		0.000E+00
			-1.102E-03		2.212E+01	
6	6.000E+00	2.958E-02		2.882E+02		0.000E+00
			-1.093E-03		2.223E+01	
7	7.000E+00	2.848E-02		3.125E+02		0.000E+00
			-1.084E-03		2.234E+01	
8	8.000E+00	2.740E-02		3.369E+02		0.000E+00
			-1.074E-03		2.245E+01	
9	9.000E+00	2.632E-02		3.614E+02		0.000E+00
			-1.064E-03		2.256E+01	
10	1.000E+01	2.526E-02		3.860E+02		0.000E+00
			-1.052E-03		2.268E+01	
11	1.100E+01	2.421E-02		4.106E+02		0.000E+00
			-1.040E-03		2.279E+01	
12	1.200E+01	2.317E-02		4.354E+02		0.000E+00
			-1.027E-03		2.290E+01	
13	1.300E+01	2.214E-02		4.602E+02		0.000E+00
			-1.014E-03		2.301E+01	
14	1.400E+01	2.113E-02		4.852E+02		0.000E+00
			-9.996E-04		2.312E+01	
15	1.500E+01	2.013E-02		5.102E+02		0.000E+00
			-9.846E-04		2.324E+01	
16	1.600E+01	1.914E-02		5.353E+02		0.000E+00
			-9.688E-04		2.335E+01	
17	1.700E+01	1.817E-02		5.605E+02		0.000E+00
			-9.524E-04		2.346E+01	
18	1.800E+01	1.722E-02		5.857E+02		0.000E+00
			-9.351E-04		2.357E+01	
19	1.900E+01	1.629E-02		6.111E+02		0.000E+00
			-9.171E-04		2.368E+01	
20	2.000E+01	1.537E-02		6.365E+02		0.000E+00
			-8.984E-04		2.380E+01	
21	2.100E+01	1.447E-02		6.620E+02		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.359E-02	-8.789E-04	6.875E+02	2.391E+01	0.000E+00
23	2.300E+01	1.273E-02	-8.587E-04	7.132E+02	2.402E+01	0.000E+00
24	2.400E+01	1.190E-02	-8.377E-04	7.389E+02	2.413E+01	0.000E+00
25	2.500E+01	1.108E-02	-8.160E-04	7.647E+02	2.424E+01	0.000E+00
26	2.600E+01	1.029E-02	-7.935E-04	7.905E+02	2.436E+01	0.000E+00
27	2.700E+01	9.516E-03	-7.702E-04	8.165E+02	2.447E+01	0.000E+00
28	2.800E+01	8.770E-03	-7.462E-04	8.425E+02	2.458E+01	0.000E+00
29	2.900E+01	8.048E-03	-7.214E-04	8.685E+02	2.469E+01	0.000E+00
30	3.000E+01	7.353E-03	-6.958E-04	8.946E+02	2.480E+01	0.000E+00
31	3.100E+01	6.683E-03	-6.695E-04	9.208E+02	2.492E+01	0.000E+00
32	3.200E+01	6.041E-03	-6.424E-04	9.471E+02	2.503E+01	0.000E+00
33	3.300E+01	5.426E-03	-6.145E-04	9.734E+02	2.514E+01	0.000E+00
34	3.400E+01	4.840E-03	-5.859E-04	9.997E+02	2.525E+01	0.000E+00
35	3.500E+01	4.284E-03	-5.564E-04	1.026E+03	2.536E+01	0.000E+00
36	3.600E+01	3.758E-03	-5.262E-04	1.053E+03	2.548E+01	0.000E+00
37	3.700E+01	3.262E-03	-4.953E-04	1.079E+03	2.559E+01	0.000E+00
38	3.800E+01	2.799E-03	-4.635E-04	1.106E+03	2.570E+01	0.000E+00
39	3.900E+01	2.368E-03	-4.310E-04	1.132E+03	2.581E+01	0.000E+00
40	4.000E+01	1.970E-03	-3.976E-04	1.159E+03	2.592E+01	0.000E+00
41	4.100E+01	1.607E-03	-3.635E-04	1.186E+03	2.604E+01	0.000E+00
42	4.200E+01	1.278E-03	-3.286E-04	1.213E+03	2.615E+01	0.000E+00
43	4.300E+01	9.851E-04	-2.930E-04	1.239E+03	2.626E+01	0.000E+00
44	4.400E+01	7.287E-04	-2.565E-04	1.266E+03	2.637E+01	0.000E+00
45	4.500E+01	5.094E-04	-2.192E-04	1.293E+03	2.648E+01	0.000E+00
46	4.600E+01	3.283E-04	-1.812E-04	1.320E+03	2.660E+01	0.000E+00
47	4.700E+01	1.859E-04	-1.423E-04	1.347E+03	2.671E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	8.326E-05	-1.027E-04	1.374E+03	2.682E+01	0.000E+00
49	4.900E+01	2.101E-05	-6.225E-05	1.401E+03	2.693E+01	0.000E+00
50	5.000E+01	0.000E+00	-2.101E-05	7.141E+02	-6.870E+02	-2.710E+01
51	5.100E+01	2.101E-05	2.101E-05	0.000E+00	-7.141E+02	0.000E+00



PROB (CONTD)

10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.743E-02		0	3.743E-02		999	0.000E+00		999	0.000E+00		999
0	3.629E-02		999	3.629E-02		0	7.225E+01		999	7.225E+01		999
1	3.516E-02		999	3.516E-02		0	1.682E+02		999	1.682E+02		999
2	3.403E-02		0	3.403E-02		999	1.920E+02		999	1.920E+02		999
3	3.290E-02		999	3.290E-02		0	2.159E+02		999	2.159E+02		999
4	3.179E-02		999	3.179E-02		0	2.399E+02		999	2.399E+02		999
5	3.068E-02		999	3.068E-02		0	2.640E+02		999	2.640E+02		999
6	2.958E-02		0	2.958E-02		999	2.882E+02		999	2.882E+02		999
7	2.848E-02		999	2.848E-02		0	3.125E+02		999	3.125E+02		999
8	2.740E-02		0	2.740E-02		999	3.369E+02		999	3.369E+02		999
9	2.632E-02		0	2.632E-02		999	3.614E+02		999	3.614E+02		999
10	2.526E-02		999	2.526E-02		0	3.860E+02		999	3.860E+02		999
11	2.421E-02		999	2.421E-02		0	4.106E+02		999	4.106E+02		999
12	2.317E-02		0	2.317E-02		999	4.354E+02		999	4.354E+02		999
13	2.214E-02		999	2.214E-02		0	4.602E+02		999	4.602E+02		999
14	2.113E-02		999	2.113E-02		0	4.852E+02		999	4.852E+02		999
15	2.013E-02		0	2.013E-02		999	5.102E+02		999	5.102E+02		999
16	1.914E-02		999	1.914E-02		0	5.353E+02		999	5.353E+02		999
17	1.817E-02		999	1.817E-02		0	5.605E+02		999	5.605E+02		999
18	1.722E-02		999	1.722E-02		0	5.857E+02		999	5.857E+02		999
19	1.629E-02		0	1.629E-02		999	6.111E+02		999	6.111E+02		999
20	1.537E-02		0	1.537E-02		999	6.365E+02		999	6.365E+02		999
21	1.447E-02		0	1.447E-02		999	6.620E+02		999	6.620E+02		999
22	1.359E-02		0	1.359E-02		999	6.875E+02		999	6.875E+02		999
23	1.273E-02		0	1.273E-02		999	7.132E+02		999	7.132E+02		999
24	1.190E-02		0	1.190E-02		999	7.389E+02		999	7.389E+02		999
25	1.108E-02		999	1.108E-02		0	7.647E+02		999	7.647E+02		999
26	1.029E-02		999	1.029E-02		0	7.905E+02		999	7.905E+02		999
27	9.516E-03		0	9.516E-03		999	8.165E+02		999	8.165E+02		999
28	8.770E-03		999	8.770E-03		0	8.425E+02		999	8.425E+02		999
29	8.048E-03		0	8.048E-03		999	8.685E+02		999	8.685E+02		999
30	7.353E-03		0	7.353E-03		999	8.946E+02		999	8.946E+02		999
31	6.683E-03		999	6.683E-03		0	9.208E+02		999	9.208E+02		999
32	6.041E-03		0	6.041E-03		999	9.471E+02		999	9.471E+02		999
33	5.426E-03		0	5.426E-03		999	9.734E+02		999	9.734E+02		999
34	4.840E-03		999	4.840E-03		0	9.997E+02		999	9.997E+02		999
35	4.284E-03		0	4.284E-03		999	1.026E+03		999	1.026E+03		999
36	3.758E-03		999	3.758E-03		0	1.053E+03		999	1.053E+03		999
37	3.262E-03		0	3.262E-03		999	1.079E+03		999	1.079E+03		999
38	2.799E-03		999	2.799E-03		0	1.106E+03		999	1.106E+03		999
39	2.368E-03		0	2.368E-03		999	1.132E+03		999	1.132E+03		999
40	1.970E-03		0	1.970E-03		999	1.159E+03		999	1.159E+03		999
41	1.607E-03		0	1.607E-03		999	1.186E+03		999	1.186E+03		999
42	1.278E-03		0	1.278E-03		999	1.213E+03		999	1.213E+03		999
43	9.851E-04		0	9.851E-04		999	1.239E+03		999	1.239E+03		999
44	7.287E-04		999	7.287E-04		0	1.266E+03		999	1.266E+03		999
45	5.094E-04		0	5.094E-04		999	1.293E+03		999	1.293E+03		999
46	3.283E-04		0	3.283E-04		999	1.320E+03		999	1.320E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	1.859E-04	999		1.859E-04	0		1.347E+03	999		1.347E+03	999	
48	8.326E-05	0		8.326E-05	999		1.374E+03	999		1.374E+03	999	
49	2.101E-05	999		2.101E-05	0		1.401E+03	999		1.401E+03	999	
50	0.000E+00	999		0.000E+00	999		7.141E+02	999		7.141E+02	999	
51	2.101E-05	999		2.101E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	7.225E+01 999	7.225E+01 999	0.000E+00 999	0.000E+00 999
0	9.381E+01 999	9.381E+01 999	0.000E+00 999	0.000E+00 999
1	2.167E+01 999	2.167E+01 999	0.000E+00 999	0.000E+00 999
2	2.178E+01 999	2.178E+01 999	0.000E+00 999	0.000E+00 999
3	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
4	2.200E+01 999	2.200E+01 999	0.000E+00 999	0.000E+00 999
5	2.212E+01 999	2.212E+01 999	0.000E+00 999	0.000E+00 999
6	2.223E+01 999	2.223E+01 999	0.000E+00 999	0.000E+00 999
7	2.234E+01 999	2.234E+01 999	0.000E+00 999	0.000E+00 999
8	2.245E+01 999	2.245E+01 999	0.000E+00 999	0.000E+00 999
9	2.256E+01 999	2.256E+01 999	0.000E+00 999	0.000E+00 999
10	2.268E+01 999	2.268E+01 999	0.000E+00 999	0.000E+00 999
11	2.279E+01 999	2.279E+01 999	0.000E+00 999	0.000E+00 999
12	2.290E+01 999	2.290E+01 999	0.000E+00 999	0.000E+00 999
13	2.301E+01 999	2.301E+01 999	0.000E+00 999	0.000E+00 999
14	2.312E+01 999	2.312E+01 999	0.000E+00 999	0.000E+00 999
15	2.324E+01 999	2.324E+01 999	0.000E+00 999	0.000E+00 999
16	2.335E+01 999	2.335E+01 999	0.000E+00 999	0.000E+00 999
17	2.346E+01 999	2.346E+01 999	0.000E+00 999	0.000E+00 999
18	2.357E+01 999	2.357E+01 999	0.000E+00 999	0.000E+00 999
19	2.368E+01 999	2.368E+01 999	0.000E+00 999	0.000E+00 999
20	2.380E+01 999	2.380E+01 999	0.000E+00 999	0.000E+00 999
21	2.391E+01 999	2.391E+01 999	0.000E+00 999	0.000E+00 999
22	2.402E+01 999	2.402E+01 999	0.000E+00 999	0.000E+00 999
23	2.413E+01 999	2.413E+01 999	0.000E+00 999	0.000E+00 999
24	2.424E+01 999	2.424E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.436E+01 999	2.436E+01 999	0.000E+00 999	0.000E+00 999
27	2.447E+01 999	2.447E+01 999	0.000E+00 999	0.000E+00 999
28	2.458E+01 999	2.458E+01 999	0.000E+00 999	0.000E+00 999
29	2.469E+01 999	2.469E+01 999	0.000E+00 999	0.000E+00 999
30	2.480E+01 999	2.480E+01 999	0.000E+00 999	0.000E+00 999
31	2.492E+01 999	2.492E+01 999	0.000E+00 999	0.000E+00 999
32	2.503E+01 999	2.503E+01 999	0.000E+00 999	0.000E+00 999
33	2.514E+01 999	2.514E+01 999	0.000E+00 999	0.000E+00 999
34	2.525E+01 999	2.525E+01 999	0.000E+00 999	0.000E+00 999
35	2.536E+01 999	2.536E+01 999	0.000E+00 999	0.000E+00 999
36	2.548E+01 999	2.548E+01 999	0.000E+00 999	0.000E+00 999
37	2.559E+01 999	2.559E+01 999	0.000E+00 999	0.000E+00 999
38	2.570E+01 999	2.570E+01 999	0.000E+00 999	0.000E+00 999
39	2.581E+01 999	2.581E+01 999	0.000E+00 999	0.000E+00 999
40	2.592E+01 999	2.592E+01 999	0.000E+00 999	0.000E+00 999
41	2.604E+01 999	2.604E+01 999	0.000E+00 999	0.000E+00 999
42	2.615E+01 999	2.615E+01 999	0.000E+00 999	0.000E+00 999
43	2.626E+01 999	2.626E+01 999	0.000E+00 999	0.000E+00 999
44	2.637E+01 999	2.637E+01 999	0.000E+00 999	0.000E+00 999
45	2.648E+01 999	2.648E+01 999	0.000E+00 999	0.000E+00 999
46	2.660E+01 999	2.660E+01 999	0.000E+00 999	0.000E+00 999
47	2.671E+01 999	2.671E+01 999	0.000E+00 999	0.000E+00 999
48	2.682E+01 999	2.682E+01 999	0.000E+00 999	0.000E+00 999
49	2.693E+01 999	2.693E+01 999	0.000E+00 999	0.000E+00 999
50	-6.870E+02 999	-6.870E+02 999	-2.710E+01 999	-2.710E+01 999
51	-7.141E+02 999	-7.141E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0	
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	0.000E+00	0.000E+00	1.252E+02	0.000E+00	-1.212E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.212E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.212E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 11        Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.968E-01		0.000E+00		0.000E+00
			-9.842E-03		6.260E+01	
0	0.000E+00	3.870E-01		6.260E+01		3.255E+01
			-9.827E-03		9.515E+01	
1	1.000E+00	3.772E-01		1.697E+02		0.000E+00
			-9.807E-03		3.255E+01	
2	2.000E+00	3.674E-01		2.141E+02		0.000E+00
			-9.782E-03		3.255E+01	
3	3.000E+00	3.576E-01		2.585E+02		0.000E+00
			-9.752E-03		3.255E+01	
4	4.000E+00	3.478E-01		3.029E+02		0.000E+00
			-9.716E-03		3.255E+01	
5	5.000E+00	3.381E-01		3.472E+02		0.000E+00
			-9.675E-03		3.255E+01	
6	6.000E+00	3.284E-01		3.915E+02		0.000E+00
			-9.629E-03		3.255E+01	
7	7.000E+00	3.188E-01		4.357E+02		0.000E+00
			-9.578E-03		3.255E+01	
8	8.000E+00	3.092E-01		4.799E+02		0.000E+00
			-9.521E-03		3.255E+01	
9	9.000E+00	2.997E-01		5.240E+02		0.000E+00
			-9.460E-03		3.255E+01	
10	1.000E+01	2.903E-01		5.680E+02		0.000E+00
			-9.393E-03		3.255E+01	
11	1.100E+01	2.809E-01		6.119E+02		0.000E+00
			-9.321E-03		3.255E+01	
12	1.200E+01	2.715E-01		6.558E+02		0.000E+00
			-9.244E-03		3.255E+01	
13	1.300E+01	2.623E-01		6.995E+02		0.000E+00
			-9.161E-03		3.255E+01	
14	1.400E+01	2.531E-01		7.432E+02		0.000E+00
			-9.074E-03		3.255E+01	
15	1.500E+01	2.441E-01		7.867E+02		0.000E+00
			-8.981E-03		3.255E+01	
16	1.600E+01	2.351E-01		8.302E+02		0.000E+00
			-8.884E-03		3.255E+01	
17	1.700E+01	2.262E-01		8.735E+02		0.000E+00
			-8.781E-03		3.255E+01	
18	1.800E+01	2.174E-01		9.167E+02		0.000E+00
			-8.673E-03		3.255E+01	
19	1.900E+01	2.087E-01		9.597E+02		0.000E+00
			-8.560E-03		3.255E+01	
20	2.000E+01	2.002E-01		1.003E+03		0.000E+00
			-8.442E-03		3.255E+01	
21	2.100E+01	1.917E-01		1.045E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.834E-01	-8.319E-03	1.088E+03	3.255E+01	0.000E+00
23	2.300E+01	1.752E-01	-8.191E-03	1.131E+03	3.255E+01	0.000E+00
24	2.400E+01	1.672E-01	-8.058E-03	1.173E+03	3.255E+01	0.000E+00
25	2.500E+01	1.593E-01	-7.920E-03	1.215E+03	3.255E+01	0.000E+00
26	2.600E+01	1.515E-01	-7.777E-03	1.257E+03	3.255E+01	0.000E+00
27	2.700E+01	1.438E-01	-7.629E-03	1.299E+03	3.255E+01	0.000E+00
28	2.800E+01	1.364E-01	-7.476E-03	1.340E+03	3.255E+01	0.000E+00
29	2.900E+01	1.291E-01	-7.318E-03	1.382E+03	3.255E+01	0.000E+00
30	3.000E+01	1.219E-01	-7.155E-03	1.423E+03	3.255E+01	0.000E+00
31	3.100E+01	1.149E-01	-6.988E-03	1.464E+03	3.255E+01	0.000E+00
32	3.200E+01	1.081E-01	-6.815E-03	1.505E+03	3.255E+01	0.000E+00
33	3.300E+01	1.015E-01	-6.638E-03	1.546E+03	3.255E+01	0.000E+00
34	3.400E+01	9.500E-02	-6.456E-03	1.586E+03	3.255E+01	0.000E+00
35	3.500E+01	8.873E-02	-6.270E-03	1.626E+03	3.255E+01	0.000E+00
36	3.600E+01	8.265E-02	-6.078E-03	1.666E+03	3.255E+01	0.000E+00
37	3.700E+01	7.677E-02	-5.882E-03	1.706E+03	3.255E+01	0.000E+00
38	3.800E+01	7.109E-02	-5.682E-03	1.745E+03	3.255E+01	0.000E+00
39	3.900E+01	6.561E-02	-5.476E-03	1.784E+03	3.255E+01	0.000E+00
40	4.000E+01	6.035E-02	-5.266E-03	1.823E+03	3.255E+01	0.000E+00
41	4.100E+01	5.529E-02	-5.052E-03	1.862E+03	3.255E+01	0.000E+00
42	4.200E+01	5.046E-02	-4.832E-03	1.900E+03	3.255E+01	0.000E+00
43	4.300E+01	4.585E-02	-4.609E-03	1.938E+03	3.255E+01	0.000E+00
44	4.400E+01	4.147E-02	-4.381E-03	1.976E+03	3.255E+01	0.000E+00
45	4.500E+01	3.732E-02	-4.148E-03	2.014E+03	3.255E+01	0.000E+00
46	4.600E+01	3.341E-02	-3.911E-03	2.051E+03	3.255E+01	0.000E+00
47	4.700E+01	2.974E-02	-3.670E-03	2.088E+03	3.255E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.632E-02	-3.424E-03	2.125E+03	3.255E+01	0.000E+00
49	4.900E+01	2.315E-02	-3.174E-03	2.161E+03	3.255E+01	0.000E+00
50	5.000E+01	2.023E-02	-2.919E-03	2.197E+03	3.255E+01	0.000E+00
51	5.100E+01	1.752E-02	-2.707E-03	2.233E+03	3.255E+01	0.000E+00
52	5.200E+01	1.500E-02	-2.524E-03	2.269E+03	3.255E+01	0.000E+00
53	5.300E+01	1.266E-02	-2.339E-03	2.304E+03	3.255E+01	0.000E+00
54	5.400E+01	1.051E-02	-2.150E-03	2.339E+03	3.255E+01	0.000E+00
55	5.500E+01	8.549E-03	-1.959E-03	2.374E+03	3.255E+01	0.000E+00
56	5.600E+01	6.784E-03	-1.764E-03	2.409E+03	3.255E+01	0.000E+00
57	5.700E+01	5.217E-03	-1.567E-03	2.443E+03	3.255E+01	0.000E+00
58	5.800E+01	3.850E-03	-1.367E-03	2.478E+03	3.255E+01	0.000E+00
59	5.900E+01	2.685E-03	-1.165E-03	2.512E+03	3.255E+01	0.000E+00
60	6.000E+01	1.726E-03	-9.591E-04	2.545E+03	3.255E+01	0.000E+00
61	6.100E+01	9.753E-04	-7.508E-04	2.579E+03	3.255E+01	0.000E+00
62	6.200E+01	4.356E-04	-5.397E-04	2.612E+03	3.255E+01	0.000E+00
63	6.300E+01	1.096E-04	-3.260E-04	2.645E+03	3.255E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.096E-04	1.339E+03	-1.306E+03	-3.255E+01
65	6.500E+01	1.096E-04	1.096E-04	0.000E+00	-1.339E+03	0.000E+00

PROB (CONTD)

11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.968E-01	999		3.968E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		6.260E+01	999		6.260E+01	999	
1	3.772E-01	999		3.772E-01	0		1.697E+02	999		1.697E+02	999	
2	3.674E-01	999		3.674E-01	0		2.141E+02	999		2.141E+02	999	
3	3.576E-01	999		3.576E-01	0		2.585E+02	999		2.585E+02	999	
4	3.478E-01	0		3.478E-01	999		3.029E+02	999		3.029E+02	999	
5	3.381E-01	0		3.381E-01	999		3.472E+02	999		3.472E+02	999	
6	3.284E-01	0		3.284E-01	999		3.915E+02	999		3.915E+02	999	
7	3.188E-01	0		3.188E-01	999		4.357E+02	999		4.357E+02	999	
8	3.092E-01	0		3.092E-01	999		4.799E+02	999		4.799E+02	999	
9	2.997E-01	999		2.997E-01	0		5.240E+02	999		5.240E+02	999	
10	2.903E-01	999		2.903E-01	0		5.680E+02	999		5.680E+02	999	
11	2.809E-01	0		2.809E-01	999		6.119E+02	999		6.119E+02	999	
12	2.715E-01	0		2.715E-01	999		6.558E+02	999		6.558E+02	999	
13	2.623E-01	999		2.623E-01	0		6.995E+02	999		6.995E+02	999	
14	2.531E-01	0		2.531E-01	999		7.432E+02	999		7.432E+02	999	
15	2.441E-01	0		2.441E-01	999		7.867E+02	999		7.867E+02	999	
16	2.351E-01	0		2.351E-01	999		8.302E+02	999		8.302E+02	999	
17	2.262E-01	0		2.262E-01	999		8.735E+02	999		8.735E+02	999	
18	2.174E-01	999		2.174E-01	0		9.167E+02	999		9.167E+02	999	
19	2.087E-01	999		2.087E-01	0		9.597E+02	999		9.597E+02	999	
20	2.002E-01	999		2.002E-01	0		1.003E+03	999		1.003E+03	999	
21	1.917E-01	999		1.917E-01	0		1.045E+03	999		1.045E+03	999	
22	1.834E-01	999		1.834E-01	0		1.088E+03	999		1.088E+03	999	
23	1.752E-01	999		1.752E-01	0		1.131E+03	999		1.131E+03	999	
24	1.672E-01	999		1.672E-01	0		1.173E+03	999		1.173E+03	999	
25	1.593E-01	0		1.593E-01	999		1.215E+03	999		1.215E+03	999	
26	1.515E-01	0		1.515E-01	999		1.257E+03	999		1.257E+03	999	
27	1.438E-01	0		1.438E-01	999		1.299E+03	999		1.299E+03	999	
28	1.364E-01	999		1.364E-01	0		1.340E+03	999		1.340E+03	999	
29	1.291E-01	999		1.291E-01	0		1.382E+03	999		1.382E+03	999	
30	1.219E-01	999		1.219E-01	0		1.423E+03	999		1.423E+03	999	
31	1.149E-01	999		1.149E-01	0		1.464E+03	999		1.464E+03	999	
32	1.081E-01	0		1.081E-01	999		1.505E+03	999		1.505E+03	999	
33	1.015E-01	999		1.015E-01	0		1.546E+03	999		1.546E+03	999	
34	9.500E-02	0		9.500E-02	999		1.586E+03	999		1.586E+03	999	
35	8.873E-02	999		8.873E-02	0		1.626E+03	999		1.626E+03	999	
36	8.265E-02	999		8.265E-02	0		1.666E+03	999		1.666E+03	999	
37	7.677E-02	0		7.677E-02	999		1.706E+03	999		1.706E+03	999	
38	7.109E-02	999		7.109E-02	0		1.745E+03	999		1.745E+03	999	
39	6.561E-02	999		6.561E-02	0		1.784E+03	999		1.784E+03	999	
40	6.035E-02	999		6.035E-02	0		1.823E+03	999		1.823E+03	999	
41	5.529E-02	0		5.529E-02	999		1.862E+03	999		1.862E+03	999	
42	5.046E-02	0		5.046E-02	999		1.900E+03	999		1.900E+03	999	
43	4.585E-02	0		4.585E-02	999		1.938E+03	999		1.938E+03	999	
44	4.147E-02	0		4.147E-02	999		1.976E+03	999		1.976E+03	999	
45	3.732E-02	999		3.732E-02	0		2.014E+03	999		2.014E+03	999	
46	3.341E-02	0		3.341E-02	999		2.051E+03	999		2.051E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.974E-02	999		2.974E-02	0		2.088E+03	999		2.088E+03	999	
48	2.632E-02	0		2.632E-02	999		2.125E+03	999		2.125E+03	999	
49	2.315E-02	0		2.315E-02	999		2.161E+03	999		2.161E+03	999	
50	2.023E-02	999		2.023E-02	0		2.197E+03	999		2.197E+03	999	
51	1.752E-02	999		1.752E-02	0		2.233E+03	999		2.233E+03	999	
52	1.500E-02	999		1.500E-02	0		2.269E+03	999		2.269E+03	999	
53	1.266E-02	999		1.266E-02	0		2.304E+03	999		2.304E+03	999	
54	1.051E-02	999		1.051E-02	0		2.339E+03	999		2.339E+03	999	
55	8.549E-03	0		8.549E-03	999		2.374E+03	999		2.374E+03	999	
56	6.784E-03	999		6.784E-03	0		2.409E+03	999		2.409E+03	999	
57	5.217E-03	999		5.217E-03	0		2.443E+03	999		2.443E+03	999	
58	3.850E-03	0		3.850E-03	999		2.478E+03	999		2.478E+03	999	
59	2.685E-03	0		2.685E-03	999		2.512E+03	999		2.512E+03	999	
60	1.726E-03	0		1.726E-03	999		2.545E+03	999		2.545E+03	999	
61	9.753E-04	0		9.753E-04	999		2.579E+03	999		2.579E+03	999	
62	4.356E-04	0		4.356E-04	999		2.612E+03	999		2.612E+03	999	
63	1.096E-04	999		1.096E-04	0		2.645E+03	999		2.645E+03	999	
64	0.000E+00	999		0.000E+00	999		1.339E+03	999		1.339E+03	999	
65	1.096E-04	999		1.096E-04	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	6.260E+01 999	6.260E+01 999	0.000E+00 999	0.000E+00 999
0	9.515E+01 999	9.515E+01 999	3.255E+01 999	3.255E+01 999
1	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
2	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
3	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
4	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
5	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
6	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
7	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
8	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
9	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
10	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
11	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
12	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
13	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
14	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
15	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
16	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
17	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
18	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
19	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
20	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
21	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
22	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
23	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
24	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
25	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
27	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
28	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
29	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
30	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
31	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
32	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
33	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
34	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
35	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
36	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
37	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
38	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
39	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
40	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
41	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
42	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
43	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
44	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
45	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
46	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
47	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
48	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
49	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
50	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
51	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
53	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
54	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
55	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
56	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
57	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
58	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
59	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
60	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
61	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
62	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
63	3.255E+01 999	3.255E+01 999	0.000E+00 999	0.000E+00 999
64	-1.306E+03 999	-1.306E+03 999	-3.255E+01 999	-3.255E+01 999
65	-1.339E+03 999	-1.339E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFLL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	6.270E+01	0.000E+00	1.486E+03	0.000E+00	-1.212E+03	
0	50	0	3.398E+07	2.240E-01	0.000E+00	0.000E+00	0.000E+00	-1.212E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.467E-01		0.000E+00		0.000E+00
			-4.814E-03		7.429E+02	
0	0.000E+00	1.418E-01		7.429E+02		0.000E+00
			-4.770E-03		8.057E+02	
1	1.000E+00	1.371E-01		1.554E+03		0.000E+00
			-4.725E-03		6.304E+01	
2	2.000E+00	1.324E-01		1.623E+03		0.000E+00
			-4.677E-03		6.326E+01	
3	3.000E+00	1.277E-01		1.692E+03		0.000E+00
			-4.627E-03		6.348E+01	
4	4.000E+00	1.230E-01		1.761E+03		0.000E+00
			-4.575E-03		6.371E+01	
5	5.000E+00	1.185E-01		1.830E+03		0.000E+00
			-4.521E-03		6.393E+01	
6	6.000E+00	1.140E-01		1.900E+03		0.000E+00
			-4.465E-03		6.416E+01	
7	7.000E+00	1.095E-01		1.969E+03		0.000E+00
			-4.407E-03		6.438E+01	
8	8.000E+00	1.051E-01		2.039E+03		0.000E+00
			-4.347E-03		6.460E+01	
9	9.000E+00	1.007E-01		2.109E+03		0.000E+00
			-4.285E-03		6.483E+01	
10	1.000E+01	9.645E-02		2.179E+03		0.000E+00
			-4.221E-03		6.505E+01	
11	1.100E+01	9.222E-02		2.249E+03		0.000E+00
			-4.155E-03		6.528E+01	
12	1.200E+01	8.807E-02		2.320E+03		0.000E+00
			-4.087E-03		6.550E+01	
13	1.300E+01	8.398E-02		2.390E+03		0.000E+00
			-4.016E-03		6.572E+01	
14	1.400E+01	7.997E-02		2.461E+03		0.000E+00
			-3.944E-03		6.595E+01	
15	1.500E+01	7.602E-02		2.531E+03		0.000E+00
			-3.870E-03		6.617E+01	
16	1.600E+01	7.215E-02		2.602E+03		0.000E+00
			-3.793E-03		6.640E+01	
17	1.700E+01	6.836E-02		2.673E+03		0.000E+00
			-3.714E-03		6.662E+01	
18	1.800E+01	6.465E-02		2.744E+03		0.000E+00
			-3.634E-03		6.684E+01	
19	1.900E+01	6.101E-02		2.816E+03		0.000E+00
			-3.551E-03		6.707E+01	
20	2.000E+01	5.746E-02		2.887E+03		0.000E+00
			-3.466E-03		6.729E+01	
21	2.100E+01	5.400E-02		2.958E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.062E-02	-3.379E-03	3.030E+03	6.752E+01	0.000E+00
23	2.300E+01	4.733E-02	-3.290E-03	3.102E+03	6.774E+01	0.000E+00
24	2.400E+01	4.413E-02	-3.198E-03	3.174E+03	6.796E+01	0.000E+00
25	2.500E+01	4.102E-02	-3.105E-03	3.246E+03	6.819E+01	0.000E+00
26	2.600E+01	3.801E-02	-3.009E-03	3.318E+03	6.841E+01	0.000E+00
27	2.700E+01	3.510E-02	-2.912E-03	3.390E+03	6.864E+01	0.000E+00
28	2.800E+01	3.229E-02	-2.812E-03	3.462E+03	6.886E+01	0.000E+00
29	2.900E+01	2.958E-02	-2.710E-03	3.534E+03	6.908E+01	0.000E+00
30	3.000E+01	2.698E-02	-2.606E-03	3.607E+03	6.931E+01	0.000E+00
31	3.100E+01	2.448E-02	-2.500E-03	3.679E+03	6.953E+01	0.000E+00
32	3.200E+01	2.208E-02	-2.392E-03	3.752E+03	6.976E+01	0.000E+00
33	3.300E+01	1.980E-02	-2.281E-03	3.825E+03	6.998E+01	0.000E+00
34	3.400E+01	1.763E-02	-2.169E-03	3.898E+03	7.020E+01	0.000E+00
35	3.500E+01	1.558E-02	-2.054E-03	3.971E+03	7.043E+01	0.000E+00
36	3.600E+01	1.364E-02	-1.937E-03	4.044E+03	7.065E+01	0.000E+00
37	3.700E+01	1.182E-02	-1.818E-03	4.117E+03	7.088E+01	0.000E+00
38	3.800E+01	1.013E-02	-1.697E-03	4.190E+03	7.110E+01	0.000E+00
39	3.900E+01	8.554E-03	-1.574E-03	4.263E+03	7.132E+01	0.000E+00
40	4.000E+01	7.106E-03	-1.448E-03	4.263E+03	7.155E+01	0.000E+00
41	4.100E+01	5.785E-03	-1.321E-03	4.336E+03	7.177E+01	0.000E+00
42	4.200E+01	4.595E-03	-1.191E-03	4.410E+03	7.200E+01	0.000E+00
43	4.300E+01	3.536E-03	-1.059E-03	4.483E+03	7.222E+01	0.000E+00
44	4.400E+01	2.611E-03	-9.248E-04	4.557E+03	7.244E+01	0.000E+00
45	4.500E+01	1.823E-03	-7.885E-04	4.630E+03	7.267E+01	0.000E+00
46	4.600E+01	1.173E-03	-6.501E-04	4.704E+03	7.289E+01	0.000E+00
47	4.700E+01	6.631E-04	-5.095E-04	4.778E+03	7.312E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.964E-04	-3.667E-04	4.925E+03	7.334E+01	0.000E+00
49	4.900E+01	7.464E-05	-2.218E-04	4.999E+03	7.356E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.464E-05	2.536E+03	-2.463E+03	-7.390E+01
51	5.100E+01	7.464E-05	7.464E-05	0.000E+00	-2.536E+03	0.000E+00

PROB (CONTD)

12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.467E-01		0	1.467E-01		999	0.000E+00		999	0.000E+00		999
0	1.418E-01		0	1.418E-01		999	7.429E+02		999	7.429E+02		999
1	1.371E-01		999	1.371E-01		0	1.554E+03		999	1.554E+03		999
2	1.324E-01		999	1.324E-01		0	1.623E+03		999	1.623E+03		999
3	1.277E-01		999	1.277E-01		0	1.692E+03		999	1.692E+03		999
4	1.230E-01		0	1.230E-01		999	1.761E+03		999	1.761E+03		999
5	1.185E-01		0	1.185E-01		999	1.830E+03		999	1.830E+03		999
6	1.140E-01		999	1.140E-01		0	1.900E+03		999	1.900E+03		999
7	1.095E-01		999	1.095E-01		0	1.969E+03		999	1.969E+03		999
8	1.051E-01		999	1.051E-01		0	2.039E+03		999	2.039E+03		999
9	1.007E-01		0	1.007E-01		999	2.109E+03		999	2.109E+03		999
10	9.645E-02		999	9.645E-02		0	2.179E+03		999	2.179E+03		999
11	9.222E-02		999	9.222E-02		0	2.249E+03		999	2.249E+03		999
12	8.807E-02		0	8.807E-02		999	2.320E+03		999	2.320E+03		999
13	8.398E-02		0	8.398E-02		999	2.390E+03		999	2.390E+03		999
14	7.997E-02		0	7.997E-02		999	2.461E+03		999	2.461E+03		999
15	7.602E-02		0	7.602E-02		999	2.531E+03		999	2.531E+03		999
16	7.215E-02		0	7.215E-02		999	2.602E+03		999	2.602E+03		999
17	6.836E-02		999	6.836E-02		0	2.673E+03		999	2.673E+03		999
18	6.465E-02		999	6.465E-02		0	2.744E+03		999	2.744E+03		999
19	6.101E-02		999	6.101E-02		0	2.816E+03		999	2.816E+03		999
20	5.746E-02		0	5.746E-02		999	2.887E+03		999	2.887E+03		999
21	5.400E-02		999	5.400E-02		0	2.958E+03		999	2.958E+03		999
22	5.062E-02		0	5.062E-02		999	3.030E+03		999	3.030E+03		999
23	4.733E-02		999	4.733E-02		0	3.102E+03		999	3.102E+03		999
24	4.413E-02		999	4.413E-02		0	3.174E+03		999	3.174E+03		999
25	4.102E-02		999	4.102E-02		0	3.246E+03		999	3.246E+03		999
26	3.801E-02		0	3.801E-02		999	3.318E+03		999	3.318E+03		999
27	3.510E-02		0	3.510E-02		999	3.390E+03		999	3.390E+03		999
28	3.229E-02		0	3.229E-02		999	3.462E+03		999	3.462E+03		999
29	2.958E-02		0	2.958E-02		999	3.534E+03		999	3.534E+03		999
30	2.698E-02		0	2.698E-02		999	3.607E+03		999	3.607E+03		999
31	2.448E-02		0	2.448E-02		999	3.679E+03		999	3.679E+03		999
32	2.208E-02		999	2.208E-02		0	3.752E+03		999	3.752E+03		999
33	1.980E-02		0	1.980E-02		999	3.825E+03		999	3.825E+03		999
34	1.763E-02		999	1.763E-02		0	3.898E+03		999	3.898E+03		999
35	1.558E-02		0	1.558E-02		999	3.971E+03		999	3.971E+03		999
36	1.364E-02		999	1.364E-02		0	4.044E+03		999	4.044E+03		999
37	1.182E-02		999	1.182E-02		0	4.117E+03		999	4.117E+03		999
38	1.013E-02		999	1.013E-02		0	4.190E+03		999	4.190E+03		999
39	8.554E-03		999	8.554E-03		0	4.263E+03		999	4.263E+03		999
40	7.106E-03		0	7.106E-03		999	4.336E+03		999	4.336E+03		999
41	5.785E-03		0	5.785E-03		999	4.410E+03		999	4.410E+03		999
42	4.595E-03		0	4.595E-03		999	4.483E+03		999	4.483E+03		999
43	3.536E-03		0	3.536E-03		999	4.557E+03		999	4.557E+03		999
44	2.611E-03		0	2.611E-03		999	4.630E+03		999	4.630E+03		999
45	1.823E-03		999	1.823E-03		0	4.704E+03		999	4.704E+03		999
46	1.173E-03		0	1.173E-03		999	4.778E+03		999	4.778E+03		999



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	6.631E-04		0	6.631E-04		999	4.851E+03		999	4.851E+03		999
48	2.964E-04		0	2.964E-04		999	4.925E+03		999	4.925E+03		999
49	7.464E-05		0	7.464E-05		999	4.999E+03		999	4.999E+03		999
50	0.000E+00		999	0.000E+00		999	2.536E+03		999	2.536E+03		999
51	7.464E-05		0	7.464E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	7.429E+02 999	7.429E+02 999	0.000E+00 999	0.000E+00 999
0	8.057E+02 999	8.057E+02 999	0.000E+00 999	0.000E+00 999
1	6.304E+01 999	6.304E+01 999	0.000E+00 999	0.000E+00 999
2	6.326E+01 999	6.326E+01 999	0.000E+00 999	0.000E+00 999
3	6.348E+01 999	6.348E+01 999	0.000E+00 999	0.000E+00 999
4	6.371E+01 999	6.371E+01 999	0.000E+00 999	0.000E+00 999
5	6.393E+01 999	6.393E+01 999	0.000E+00 999	0.000E+00 999
6	6.416E+01 999	6.416E+01 999	0.000E+00 999	0.000E+00 999
7	6.438E+01 999	6.438E+01 999	0.000E+00 999	0.000E+00 999
8	6.460E+01 999	6.460E+01 999	0.000E+00 999	0.000E+00 999
9	6.483E+01 999	6.483E+01 999	0.000E+00 999	0.000E+00 999
10	6.505E+01 999	6.505E+01 999	0.000E+00 999	0.000E+00 999
11	6.528E+01 999	6.528E+01 999	0.000E+00 999	0.000E+00 999
12	6.550E+01 999	6.550E+01 999	0.000E+00 999	0.000E+00 999
13	6.572E+01 999	6.572E+01 999	0.000E+00 999	0.000E+00 999
14	6.595E+01 999	6.595E+01 999	0.000E+00 999	0.000E+00 999
15	6.617E+01 999	6.617E+01 999	0.000E+00 999	0.000E+00 999
16	6.640E+01 999	6.640E+01 999	0.000E+00 999	0.000E+00 999
17	6.662E+01 999	6.662E+01 999	0.000E+00 999	0.000E+00 999
18	6.684E+01 999	6.684E+01 999	0.000E+00 999	0.000E+00 999
19	6.707E+01 999	6.707E+01 999	0.000E+00 999	0.000E+00 999
20	6.729E+01 999	6.729E+01 999	0.000E+00 999	0.000E+00 999
21	6.752E+01 999	6.752E+01 999	0.000E+00 999	0.000E+00 999
22	6.774E+01 999	6.774E+01 999	0.000E+00 999	0.000E+00 999
23	6.796E+01 999	6.796E+01 999	0.000E+00 999	0.000E+00 999
24	6.819E+01 999	6.819E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.841E+01 999	6.841E+01 999	0.000E+00 999	0.000E+00 999
27	6.864E+01 999	6.864E+01 999	0.000E+00 999	0.000E+00 999
28	6.886E+01 999	6.886E+01 999	0.000E+00 999	0.000E+00 999
29	6.908E+01 999	6.908E+01 999	0.000E+00 999	0.000E+00 999
30	6.931E+01 999	6.931E+01 999	0.000E+00 999	0.000E+00 999
31	6.953E+01 999	6.953E+01 999	0.000E+00 999	0.000E+00 999
32	6.976E+01 999	6.976E+01 999	0.000E+00 999	0.000E+00 999
33	6.998E+01 999	6.998E+01 999	0.000E+00 999	0.000E+00 999
34	7.020E+01 999	7.020E+01 999	0.000E+00 999	0.000E+00 999
35	7.043E+01 999	7.043E+01 999	0.000E+00 999	0.000E+00 999
36	7.065E+01 999	7.065E+01 999	0.000E+00 999	0.000E+00 999
37	7.088E+01 999	7.088E+01 999	0.000E+00 999	0.000E+00 999
38	7.110E+01 999	7.110E+01 999	0.000E+00 999	0.000E+00 999
39	7.132E+01 999	7.132E+01 999	0.000E+00 999	0.000E+00 999
40	7.155E+01 999	7.155E+01 999	0.000E+00 999	0.000E+00 999
41	7.177E+01 999	7.177E+01 999	0.000E+00 999	0.000E+00 999
42	7.200E+01 999	7.200E+01 999	0.000E+00 999	0.000E+00 999
43	7.222E+01 999	7.222E+01 999	0.000E+00 999	0.000E+00 999
44	7.244E+01 999	7.244E+01 999	0.000E+00 999	0.000E+00 999
45	7.267E+01 999	7.267E+01 999	0.000E+00 999	0.000E+00 999
46	7.289E+01 999	7.289E+01 999	0.000E+00 999	0.000E+00 999
47	7.312E+01 999	7.312E+01 999	0.000E+00 999	0.000E+00 999
48	7.334E+01 999	7.334E+01 999	0.000E+00 999	0.000E+00 999
49	7.356E+01 999	7.356E+01 999	0.000E+00 999	0.000E+00 999
50	-2.463E+03 999	-2.463E+03 999	-7.390E+01 999	-7.390E+01 999
51	-2.536E+03 999	-2.536E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFLL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	8.600E+00	0.000E+00	1.774E+02	0.000E+00	-1.324E+03
0	50	0	8.496E+06	1.160E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.324E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.969E-01		0.000E+00		0.000E+00
			-9.883E-03		8.870E+01	
0	0.000E+00	3.870E-01		8.870E+01		1.918E+01
			-9.863E-03		1.165E+02	
1	1.000E+00	3.771E-01		2.183E+02		0.000E+00
			-9.837E-03		2.795E+01	
2	2.000E+00	3.673E-01		2.593E+02		0.000E+00
			-9.806E-03		2.807E+01	
3	3.000E+00	3.575E-01		3.003E+02		0.000E+00
			-9.771E-03		2.818E+01	
4	4.000E+00	3.477E-01		3.414E+02		0.000E+00
			-9.731E-03		2.830E+01	
5	5.000E+00	3.380E-01		3.826E+02		0.000E+00
			-9.686E-03		2.841E+01	
6	6.000E+00	3.283E-01		4.239E+02		0.000E+00
			-9.636E-03		2.853E+01	
7	7.000E+00	3.187E-01		4.651E+02		0.000E+00
			-9.581E-03		2.865E+01	
8	8.000E+00	3.091E-01		5.065E+02		0.000E+00
			-9.522E-03		2.876E+01	
9	9.000E+00	2.996E-01		5.478E+02		0.000E+00
			-9.457E-03		2.888E+01	
10	1.000E+01	2.901E-01		5.892E+02		0.000E+00
			-9.388E-03		2.899E+01	
11	1.100E+01	2.807E-01		6.307E+02		0.000E+00
			-9.314E-03		2.911E+01	
12	1.200E+01	2.714E-01		6.721E+02		0.000E+00
			-9.234E-03		2.923E+01	
13	1.300E+01	2.622E-01		7.136E+02		0.000E+00
			-9.150E-03		2.934E+01	
14	1.400E+01	2.530E-01		7.550E+02		0.000E+00
			-9.062E-03		2.946E+01	
15	1.500E+01	2.440E-01		7.965E+02		0.000E+00
			-8.968E-03		2.957E+01	
16	1.600E+01	2.350E-01		8.379E+02		0.000E+00
			-8.869E-03		2.969E+01	
17	1.700E+01	2.261E-01		8.793E+02		0.000E+00
			-8.766E-03		2.981E+01	
18	1.800E+01	2.174E-01		9.208E+02		0.000E+00
			-8.657E-03		2.992E+01	
19	1.900E+01	2.087E-01		9.621E+02		0.000E+00
			-8.544E-03		3.004E+01	
20	2.000E+01	2.002E-01		1.003E+03		0.000E+00
			-8.426E-03		3.015E+01	
21	2.100E+01	1.917E-01		1.045E+03		0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.834E-01	-8.303E-03	1.086E+03	3.027E+01	0.000E+00
23	2.300E+01	1.753E-01	-8.175E-03	1.127E+03	3.039E+01	0.000E+00
24	2.400E+01	1.672E-01	-8.042E-03	1.168E+03	3.050E+01	0.000E+00
25	2.500E+01	1.593E-01	-7.905E-03	1.210E+03	3.062E+01	0.000E+00
26	2.600E+01	1.515E-01	-7.763E-03	1.251E+03	3.073E+01	0.000E+00
27	2.700E+01	1.439E-01	-7.615E-03	1.291E+03	3.085E+01	0.000E+00
28	2.800E+01	1.365E-01	-7.463E-03	1.332E+03	3.097E+01	0.000E+00
29	2.900E+01	1.292E-01	-7.307E-03	1.373E+03	3.108E+01	0.000E+00
30	3.000E+01	1.220E-01	-7.145E-03	1.414E+03	3.120E+01	0.000E+00
31	3.100E+01	1.150E-01	-6.979E-03	1.454E+03	3.131E+01	0.000E+00
32	3.200E+01	1.082E-01	-6.807E-03	1.495E+03	3.143E+01	0.000E+00
33	3.300E+01	1.016E-01	-6.631E-03	1.535E+03	3.155E+01	0.000E+00
34	3.400E+01	9.515E-02	-6.451E-03	1.575E+03	3.166E+01	0.000E+00
35	3.500E+01	8.888E-02	-6.265E-03	1.615E+03	3.178E+01	0.000E+00
36	3.600E+01	8.281E-02	-6.075E-03	1.655E+03	3.189E+01	0.000E+00
37	3.700E+01	7.693E-02	-5.880E-03	1.695E+03	3.201E+01	0.000E+00
38	3.800E+01	7.124E-02	-5.681E-03	1.735E+03	3.213E+01	0.000E+00
39	3.900E+01	6.577E-02	-5.477E-03	1.774E+03	3.224E+01	0.000E+00
40	4.000E+01	6.050E-02	-5.268E-03	1.814E+03	3.236E+01	0.000E+00
41	4.100E+01	5.545E-02	-5.054E-03	1.853E+03	3.247E+01	0.000E+00
42	4.200E+01	5.061E-02	-4.836E-03	1.892E+03	3.259E+01	0.000E+00
43	4.300E+01	4.600E-02	-4.614E-03	1.930E+03	3.271E+01	0.000E+00
44	4.400E+01	4.161E-02	-4.386E-03	1.969E+03	3.282E+01	0.000E+00
45	4.500E+01	3.745E-02	-4.155E-03	2.008E+03	3.294E+01	0.000E+00
46	4.600E+01	3.354E-02	-3.918E-03	2.046E+03	3.305E+01	0.000E+00
47	4.700E+01	2.986E-02	-3.678E-03	2.084E+03	3.317E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.643E-02	-3.432E-03	2.122E+03	3.329E+01	0.000E+00
49	4.900E+01	2.324E-02	-3.183E-03	2.159E+03	3.340E+01	0.000E+00
50	5.000E+01	2.032E-02	-2.928E-03	2.197E+03	3.352E+01	0.000E+00
51	5.100E+01	1.760E-02	-2.716E-03	2.234E+03	3.358E+01	0.000E+00
52	5.200E+01	1.507E-02	-2.534E-03	2.271E+03	3.358E+01	0.000E+00
53	5.300E+01	1.272E-02	-2.348E-03	2.307E+03	3.358E+01	0.000E+00
54	5.400E+01	1.056E-02	-2.159E-03	2.344E+03	3.358E+01	0.000E+00
55	5.500E+01	8.591E-03	-1.967E-03	2.380E+03	3.358E+01	0.000E+00
56	5.600E+01	6.819E-03	-1.772E-03	2.416E+03	3.358E+01	0.000E+00
57	5.700E+01	5.244E-03	-1.575E-03	2.452E+03	3.358E+01	0.000E+00
58	5.800E+01	3.870E-03	-1.374E-03	2.487E+03	3.358E+01	0.000E+00
59	5.900E+01	2.700E-03	-1.170E-03	2.522E+03	3.358E+01	0.000E+00
60	6.000E+01	1.736E-03	-9.641E-04	2.557E+03	3.358E+01	0.000E+00
61	6.100E+01	9.809E-04	-7.548E-04	2.592E+03	3.358E+01	0.000E+00
62	6.200E+01	4.381E-04	-5.428E-04	2.626E+03	3.358E+01	0.000E+00
63	6.300E+01	1.102E-04	-3.279E-04	2.660E+03	3.358E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.102E-04	1.347E+03	-1.313E+03	-3.358E+01
65	6.500E+01	1.102E-04	1.102E-04	0.000E+00	-1.347E+03	0.000E+00

PROB (CONTD)

13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.969E-01	999		3.969E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		8.870E+01	999		8.870E+01	999	
1	3.771E-01	999		3.771E-01	0		2.183E+02	999		2.183E+02	999	
2	3.673E-01	999		3.673E-01	0		2.593E+02	999		2.593E+02	999	
3	3.575E-01	999		3.575E-01	0		3.003E+02	999		3.003E+02	999	
4	3.477E-01	999		3.477E-01	0		3.414E+02	999		3.414E+02	999	
5	3.380E-01	0		3.380E-01	999		3.826E+02	999		3.826E+02	999	
6	3.283E-01	0		3.283E-01	999		4.239E+02	999		4.239E+02	999	
7	3.187E-01	999		3.187E-01	0		4.651E+02	999		4.651E+02	999	
8	3.091E-01	0		3.091E-01	999		5.065E+02	999		5.065E+02	999	
9	2.996E-01	0		2.996E-01	999		5.478E+02	999		5.478E+02	999	
10	2.901E-01	999		2.901E-01	0		5.892E+02	999		5.892E+02	999	
11	2.807E-01	999		2.807E-01	0		6.307E+02	999		6.307E+02	999	
12	2.714E-01	0		2.714E-01	999		6.721E+02	999		6.721E+02	999	
13	2.622E-01	0		2.622E-01	999		7.136E+02	999		7.136E+02	999	
14	2.530E-01	0		2.530E-01	999		7.550E+02	999		7.550E+02	999	
15	2.440E-01	0		2.440E-01	999		7.965E+02	999		7.965E+02	999	
16	2.350E-01	999		2.350E-01	0		8.379E+02	999		8.379E+02	999	
17	2.261E-01	0		2.261E-01	999		8.793E+02	999		8.793E+02	999	
18	2.174E-01	999		2.174E-01	0		9.208E+02	999		9.208E+02	999	
19	2.087E-01	999		2.087E-01	0		9.621E+02	999		9.621E+02	999	
20	2.002E-01	0		2.002E-01	999		1.003E+03	999		1.003E+03	999	
21	1.917E-01	999		1.917E-01	0		1.045E+03	999		1.045E+03	999	
22	1.834E-01	999		1.834E-01	0		1.086E+03	999		1.086E+03	999	
23	1.753E-01	0		1.753E-01	999		1.127E+03	999		1.127E+03	999	
24	1.672E-01	999		1.672E-01	0		1.168E+03	999		1.168E+03	999	
25	1.593E-01	0		1.593E-01	999		1.210E+03	999		1.210E+03	999	
26	1.515E-01	0		1.515E-01	999		1.251E+03	999		1.251E+03	999	
27	1.439E-01	0		1.439E-01	999		1.291E+03	999		1.291E+03	999	
28	1.365E-01	999		1.365E-01	0		1.332E+03	999		1.332E+03	999	
29	1.292E-01	999		1.292E-01	0		1.373E+03	999		1.373E+03	999	
30	1.220E-01	0		1.220E-01	999		1.414E+03	999		1.414E+03	999	
31	1.150E-01	0		1.150E-01	999		1.454E+03	999		1.454E+03	999	
32	1.082E-01	0		1.082E-01	999		1.495E+03	999		1.495E+03	999	
33	1.016E-01	0		1.016E-01	999		1.535E+03	999		1.535E+03	999	
34	9.515E-02	0		9.515E-02	999		1.575E+03	999		1.575E+03	999	
35	8.888E-02	999		8.888E-02	0		1.615E+03	999		1.615E+03	999	
36	8.281E-02	999		8.281E-02	0		1.655E+03	999		1.655E+03	999	
37	7.693E-02	999		7.693E-02	0		1.695E+03	999		1.695E+03	999	
38	7.124E-02	0		7.124E-02	999		1.735E+03	999		1.735E+03	999	
39	6.577E-02	999		6.577E-02	0		1.774E+03	999		1.774E+03	999	
40	6.050E-02	999		6.050E-02	0		1.814E+03	999		1.814E+03	999	
41	5.545E-02	0		5.545E-02	999		1.853E+03	999		1.853E+03	999	
42	5.061E-02	0		5.061E-02	999		1.892E+03	999		1.892E+03	999	
43	4.600E-02	999		4.600E-02	0		1.930E+03	999		1.930E+03	999	
44	4.161E-02	0		4.161E-02	999		1.969E+03	999		1.969E+03	999	
45	3.745E-02	999		3.745E-02	0		2.008E+03	999		2.008E+03	999	
46	3.354E-02	999		3.354E-02	0		2.046E+03	999		2.046E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.986E-02		0	2.986E-02		999	2.084E+03		999	2.084E+03		999
48	2.643E-02		999	2.643E-02		0	2.122E+03		999	2.122E+03		999
49	2.324E-02		999	2.324E-02		0	2.159E+03		999	2.159E+03		999
50	2.032E-02		0	2.032E-02		999	2.197E+03		999	2.197E+03		999
51	1.760E-02		999	1.760E-02		0	2.234E+03		999	2.234E+03		999
52	1.507E-02		0	1.507E-02		999	2.271E+03		999	2.271E+03		999
53	1.272E-02		999	1.272E-02		0	2.307E+03		999	2.307E+03		999
54	1.056E-02		0	1.056E-02		999	2.344E+03		999	2.344E+03		999
55	8.591E-03		999	8.591E-03		0	2.380E+03		999	2.380E+03		999
56	6.819E-03		0	6.819E-03		999	2.416E+03		999	2.416E+03		999
57	5.244E-03		0	5.244E-03		999	2.452E+03		999	2.452E+03		999
58	3.870E-03		999	3.870E-03		0	2.487E+03		999	2.487E+03		999
59	2.700E-03		0	2.700E-03		999	2.522E+03		999	2.522E+03		999
60	1.736E-03		999	1.736E-03		0	2.557E+03		999	2.557E+03		999
61	9.809E-04		999	9.809E-04		0	2.592E+03		999	2.592E+03		999
62	4.381E-04		0	4.381E-04		999	2.626E+03		999	2.626E+03		999
63	1.102E-04		999	1.102E-04		0	2.660E+03		999	2.660E+03		999
64	0.000E+00		999	0.000E+00		999	1.347E+03		999	1.347E+03		999
65	1.102E-04		999	1.102E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	8.870E+01 999	8.870E+01 999	1.918E+01 999	1.918E+01 999
1	1.165E+02 999	1.165E+02 999	0.000E+00 999	0.000E+00 999
2	2.795E+01 999	2.795E+01 999	0.000E+00 999	0.000E+00 999
3	2.807E+01 999	2.807E+01 999	0.000E+00 999	0.000E+00 999
4	2.818E+01 999	2.818E+01 999	0.000E+00 999	0.000E+00 999
5	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999
6	2.841E+01 999	2.841E+01 999	0.000E+00 999	0.000E+00 999
7	2.853E+01 999	2.853E+01 999	0.000E+00 999	0.000E+00 999
8	2.865E+01 999	2.865E+01 999	0.000E+00 999	0.000E+00 999
9	2.876E+01 999	2.876E+01 999	0.000E+00 999	0.000E+00 999
10	2.888E+01 999	2.888E+01 999	0.000E+00 999	0.000E+00 999
11	2.899E+01 999	2.899E+01 999	0.000E+00 999	0.000E+00 999
12	2.911E+01 999	2.911E+01 999	0.000E+00 999	0.000E+00 999
13	2.923E+01 999	2.923E+01 999	0.000E+00 999	0.000E+00 999
14	2.934E+01 999	2.934E+01 999	0.000E+00 999	0.000E+00 999
15	2.946E+01 999	2.946E+01 999	0.000E+00 999	0.000E+00 999
16	2.957E+01 999	2.957E+01 999	0.000E+00 999	0.000E+00 999
17	2.969E+01 999	2.969E+01 999	0.000E+00 999	0.000E+00 999
18	2.981E+01 999	2.981E+01 999	0.000E+00 999	0.000E+00 999
19	2.992E+01 999	2.992E+01 999	0.000E+00 999	0.000E+00 999
20	3.004E+01 999	3.004E+01 999	0.000E+00 999	0.000E+00 999
21	3.015E+01 999	3.015E+01 999	0.000E+00 999	0.000E+00 999
22	3.027E+01 999	3.027E+01 999	0.000E+00 999	0.000E+00 999
23	3.039E+01 999	3.039E+01 999	0.000E+00 999	0.000E+00 999
24	3.050E+01 999	3.050E+01 999	0.000E+00 999	0.000E+00 999
25	3.062E+01 999	3.062E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.073E+01 999	3.073E+01 999	0.000E+00 999	0.000E+00 999
27	3.085E+01 999	3.085E+01 999	0.000E+00 999	0.000E+00 999
28	3.097E+01 999	3.097E+01 999	0.000E+00 999	0.000E+00 999
29	3.108E+01 999	3.108E+01 999	0.000E+00 999	0.000E+00 999
30	3.120E+01 999	3.120E+01 999	0.000E+00 999	0.000E+00 999
31	3.131E+01 999	3.131E+01 999	0.000E+00 999	0.000E+00 999
32	3.143E+01 999	3.143E+01 999	0.000E+00 999	0.000E+00 999
33	3.155E+01 999	3.155E+01 999	0.000E+00 999	0.000E+00 999
34	3.166E+01 999	3.166E+01 999	0.000E+00 999	0.000E+00 999
35	3.178E+01 999	3.178E+01 999	0.000E+00 999	0.000E+00 999
36	3.189E+01 999	3.189E+01 999	0.000E+00 999	0.000E+00 999
37	3.201E+01 999	3.201E+01 999	0.000E+00 999	0.000E+00 999
38	3.213E+01 999	3.213E+01 999	0.000E+00 999	0.000E+00 999
39	3.224E+01 999	3.224E+01 999	0.000E+00 999	0.000E+00 999
40	3.236E+01 999	3.236E+01 999	0.000E+00 999	0.000E+00 999
41	3.247E+01 999	3.247E+01 999	0.000E+00 999	0.000E+00 999
42	3.259E+01 999	3.259E+01 999	0.000E+00 999	0.000E+00 999
43	3.271E+01 999	3.271E+01 999	0.000E+00 999	0.000E+00 999
44	3.282E+01 999	3.282E+01 999	0.000E+00 999	0.000E+00 999
45	3.294E+01 999	3.294E+01 999	0.000E+00 999	0.000E+00 999
46	3.305E+01 999	3.305E+01 999	0.000E+00 999	0.000E+00 999
47	3.317E+01 999	3.317E+01 999	0.000E+00 999	0.000E+00 999
48	3.329E+01 999	3.329E+01 999	0.000E+00 999	0.000E+00 999
49	3.340E+01 999	3.340E+01 999	0.000E+00 999	0.000E+00 999
50	3.352E+01 999	3.352E+01 999	0.000E+00 999	0.000E+00 999
51	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
53	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
54	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
55	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
56	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
57	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
58	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
59	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
60	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
61	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
62	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
63	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
64	-1.313E+03 999	-1.313E+03 999	-3.358E+01 999	-3.358E+01 999
65	-1.347E+03 999	-1.347E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.530E+01	0.000E+00	3.737E+02	0.000E+00	-1.324E+03	
0	50	0	3.398E+07	2.160E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	9.290E-02		0.000E+00		0.000E+00
			-2.833E-03		1.869E+02	
0	0.000E+00	9.007E-02		1.869E+02		0.000E+00
			-2.822E-03		2.423E+02	
1	1.000E+00	8.724E-02		4.328E+02		0.000E+00
			-2.809E-03		5.562E+01	
2	2.000E+00	8.444E-02		4.922E+02		0.000E+00
			-2.795E-03		5.584E+01	
3	3.000E+00	8.164E-02		5.517E+02		0.000E+00
			-2.778E-03		5.606E+01	
4	4.000E+00	7.886E-02		6.115E+02		0.000E+00
			-2.760E-03		5.627E+01	
5	5.000E+00	7.610E-02		6.714E+02		0.000E+00
			-2.741E-03		5.649E+01	
6	6.000E+00	7.336E-02		7.315E+02		0.000E+00
			-2.719E-03		5.670E+01	
7	7.000E+00	7.064E-02		7.918E+02		0.000E+00
			-2.696E-03		5.692E+01	
8	8.000E+00	6.795E-02		8.523E+02		0.000E+00
			-2.671E-03		5.714E+01	
9	9.000E+00	6.528E-02		9.130E+02		0.000E+00
			-2.644E-03		5.735E+01	
10	1.000E+01	6.263E-02		9.738E+02		0.000E+00
			-2.615E-03		5.757E+01	
11	1.100E+01	6.002E-02		1.035E+03		0.000E+00
			-2.585E-03		5.778E+01	
12	1.200E+01	5.743E-02		1.096E+03		0.000E+00
			-2.552E-03		5.800E+01	
13	1.300E+01	5.488E-02		1.157E+03		0.000E+00
			-2.518E-03		5.822E+01	
14	1.400E+01	5.236E-02		1.219E+03		0.000E+00
			-2.482E-03		5.843E+01	
15	1.500E+01	4.988E-02		1.281E+03		0.000E+00
			-2.445E-03		5.865E+01	
16	1.600E+01	4.744E-02		1.343E+03		0.000E+00
			-2.405E-03		5.886E+01	
17	1.700E+01	4.503E-02		1.405E+03		0.000E+00
			-2.364E-03		5.908E+01	
18	1.800E+01	4.267E-02		1.467E+03		0.000E+00
			-2.321E-03		5.930E+01	
19	1.900E+01	4.035E-02		1.529E+03		0.000E+00
			-2.276E-03		5.951E+01	
20	2.000E+01	3.807E-02		1.592E+03		0.000E+00
			-2.229E-03		5.973E+01	
21	2.100E+01	3.584E-02		1.654E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.366E-02	-2.180E-03	1.717E+03	5.994E+01	0.000E+00
23	2.300E+01	3.153E-02	-2.130E-03	1.780E+03	6.016E+01	0.000E+00
24	2.400E+01	2.945E-02	-2.077E-03	1.843E+03	6.038E+01	0.000E+00
25	2.500E+01	2.743E-02	-2.023E-03	1.907E+03	6.059E+01	0.000E+00
26	2.600E+01	2.546E-02	-1.967E-03	1.970E+03	6.081E+01	0.000E+00
27	2.700E+01	2.356E-02	-1.909E-03	2.034E+03	6.102E+01	0.000E+00
28	2.800E+01	2.171E-02	-1.849E-03	2.097E+03	6.124E+01	0.000E+00
29	2.900E+01	1.992E-02	-1.787E-03	2.161E+03	6.146E+01	0.000E+00
30	3.000E+01	1.820E-02	-1.724E-03	2.225E+03	6.167E+01	0.000E+00
31	3.100E+01	1.654E-02	-1.658E-03	2.289E+03	6.189E+01	0.000E+00
32	3.200E+01	1.495E-02	-1.591E-03	2.353E+03	6.210E+01	0.000E+00
33	3.300E+01	1.342E-02	-1.522E-03	2.418E+03	6.232E+01	0.000E+00
34	3.400E+01	1.197E-02	-1.451E-03	2.482E+03	6.254E+01	0.000E+00
35	3.500E+01	1.060E-02	-1.377E-03	2.547E+03	6.275E+01	0.000E+00
36	3.600E+01	9.294E-03	-1.303E-03	2.611E+03	6.297E+01	0.000E+00
37	3.700E+01	8.068E-03	-1.226E-03	2.676E+03	6.318E+01	0.000E+00
38	3.800E+01	6.921E-03	-1.147E-03	2.741E+03	6.340E+01	0.000E+00
39	3.900E+01	5.855E-03	-1.066E-03	2.806E+03	6.362E+01	0.000E+00
40	4.000E+01	4.871E-03	-9.836E-04	2.871E+03	6.383E+01	0.000E+00
41	4.100E+01	3.972E-03	-8.991E-04	2.937E+03	6.405E+01	0.000E+00
42	4.200E+01	3.159E-03	-8.127E-04	3.002E+03	6.426E+01	0.000E+00
43	4.300E+01	2.435E-03	-7.244E-04	3.067E+03	6.448E+01	0.000E+00
44	4.400E+01	1.801E-03	-6.341E-04	3.133E+03	6.470E+01	0.000E+00
45	4.500E+01	1.259E-03	-5.419E-04	3.198E+03	6.491E+01	0.000E+00
46	4.600E+01	8.112E-04	-4.478E-04	3.264E+03	6.513E+01	0.000E+00
47	4.700E+01	4.594E-04	-3.517E-04	3.330E+03	6.534E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.057E-04	-2.537E-04	3.396E+03	6.556E+01	0.000E+00
49	4.900E+01	5.191E-05	-1.538E-04	3.462E+03	6.578E+01	0.000E+00
50	5.000E+01	0.000E+00	-5.191E-05	1.764E+03	-1.698E+03	-6.610E+01
51	5.100E+01	5.191E-05	5.191E-05	0.000E+00	-1.764E+03	0.000E+00

PROB (CONTD)

14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	9.290E-02	999		9.290E-02	0		0.000E+00	999		0.000E+00	999	
0	9.007E-02	999		9.007E-02	0		1.869E+02	999		1.869E+02	999	
1	8.724E-02	0		8.724E-02	999		4.328E+02	999		4.328E+02	999	
2	8.444E-02	0		8.444E-02	999		4.922E+02	999		4.922E+02	999	
3	8.164E-02	999		8.164E-02	0		5.517E+02	999		5.517E+02	999	
4	7.886E-02	999		7.886E-02	0		6.115E+02	999		6.115E+02	999	
5	7.610E-02	999		7.610E-02	0		6.714E+02	999		6.714E+02	999	
6	7.336E-02	999		7.336E-02	0		7.315E+02	999		7.315E+02	999	
7	7.064E-02	0		7.064E-02	999		7.918E+02	999		7.918E+02	999	
8	6.795E-02	0		6.795E-02	999		8.523E+02	999		8.523E+02	999	
9	6.528E-02	999		6.528E-02	0		9.130E+02	999		9.130E+02	999	
10	6.263E-02	0		6.263E-02	999		9.738E+02	999		9.738E+02	999	
11	6.002E-02	0		6.002E-02	999		1.035E+03	999		1.035E+03	999	
12	5.743E-02	999		5.743E-02	0		1.096E+03	999		1.096E+03	999	
13	5.488E-02	999		5.488E-02	0		1.157E+03	999		1.157E+03	999	
14	5.236E-02	0		5.236E-02	999		1.219E+03	999		1.219E+03	999	
15	4.988E-02	999		4.988E-02	0		1.281E+03	999		1.281E+03	999	
16	4.744E-02	0		4.744E-02	999		1.343E+03	999		1.343E+03	999	
17	4.503E-02	999		4.503E-02	0		1.405E+03	999		1.405E+03	999	
18	4.267E-02	0		4.267E-02	999		1.467E+03	999		1.467E+03	999	
19	4.035E-02	0		4.035E-02	999		1.529E+03	999		1.529E+03	999	
20	3.807E-02	999		3.807E-02	0		1.592E+03	999		1.592E+03	999	
21	3.584E-02	999		3.584E-02	0		1.654E+03	999		1.654E+03	999	
22	3.366E-02	999		3.366E-02	0		1.717E+03	999		1.717E+03	999	
23	3.153E-02	0		3.153E-02	999		1.780E+03	999		1.780E+03	999	
24	2.945E-02	0		2.945E-02	999		1.843E+03	999		1.843E+03	999	
25	2.743E-02	0		2.743E-02	999		1.907E+03	999		1.907E+03	999	
26	2.546E-02	999		2.546E-02	0		1.970E+03	999		1.970E+03	999	
27	2.356E-02	0		2.356E-02	999		2.034E+03	999		2.034E+03	999	
28	2.171E-02	999		2.171E-02	0		2.097E+03	999		2.097E+03	999	
29	1.992E-02	0		1.992E-02	999		2.161E+03	999		2.161E+03	999	
30	1.820E-02	999		1.820E-02	0		2.225E+03	999		2.225E+03	999	
31	1.654E-02	0		1.654E-02	999		2.289E+03	999		2.289E+03	999	
32	1.495E-02	999		1.495E-02	0		2.353E+03	999		2.353E+03	999	
33	1.342E-02	999		1.342E-02	0		2.418E+03	999		2.418E+03	999	
34	1.197E-02	999		1.197E-02	0		2.482E+03	999		2.482E+03	999	
35	1.060E-02	999		1.060E-02	0		2.547E+03	999		2.547E+03	999	
36	9.294E-03	999		9.294E-03	0		2.611E+03	999		2.611E+03	999	
37	8.068E-03	0		8.068E-03	999		2.676E+03	999		2.676E+03	999	
38	6.921E-03	999		6.921E-03	0		2.741E+03	999		2.741E+03	999	
39	5.855E-03	999		5.855E-03	0		2.806E+03	999		2.806E+03	999	
40	4.871E-03	999		4.871E-03	0		2.871E+03	999		2.871E+03	999	
41	3.972E-03	0		3.972E-03	999		2.937E+03	999		2.937E+03	999	
42	3.159E-03	0		3.159E-03	999		3.002E+03	999		3.002E+03	999	
43	2.435E-03	999		2.435E-03	0		3.067E+03	999		3.067E+03	999	
44	1.801E-03	999		1.801E-03	0		3.133E+03	999		3.133E+03	999	
45	1.259E-03	0		1.259E-03	999		3.198E+03	999		3.198E+03	999	
46	8.112E-04	0		8.112E-04	999		3.264E+03	999		3.264E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.594E-04	999		4.594E-04	0		3.330E+03	999		3.330E+03	999	
48	2.057E-04	999		2.057E-04	0		3.396E+03	999		3.396E+03	999	
49	5.191E-05	999		5.191E-05	0		3.462E+03	999		3.462E+03	999	
50	0.000E+00	999		0.000E+00	999		1.764E+03	999		1.764E+03	999	
51	5.191E-05	999		5.191E-05	0		0.000E+00	999		0.000E+00	999	



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.869E+02 999	1.869E+02 999	0.000E+00 999	0.000E+00 999
1	2.423E+02 999	2.423E+02 999	0.000E+00 999	0.000E+00 999
2	5.562E+01 999	5.562E+01 999	0.000E+00 999	0.000E+00 999
3	5.584E+01 999	5.584E+01 999	0.000E+00 999	0.000E+00 999
4	5.606E+01 999	5.606E+01 999	0.000E+00 999	0.000E+00 999
5	5.627E+01 999	5.627E+01 999	0.000E+00 999	0.000E+00 999
6	5.649E+01 999	5.649E+01 999	0.000E+00 999	0.000E+00 999
7	5.670E+01 999	5.670E+01 999	0.000E+00 999	0.000E+00 999
8	5.692E+01 999	5.692E+01 999	0.000E+00 999	0.000E+00 999
9	5.714E+01 999	5.714E+01 999	0.000E+00 999	0.000E+00 999
10	5.735E+01 999	5.735E+01 999	0.000E+00 999	0.000E+00 999
11	5.757E+01 999	5.757E+01 999	0.000E+00 999	0.000E+00 999
12	5.778E+01 999	5.778E+01 999	0.000E+00 999	0.000E+00 999
13	5.800E+01 999	5.800E+01 999	0.000E+00 999	0.000E+00 999
14	5.822E+01 999	5.822E+01 999	0.000E+00 999	0.000E+00 999
15	5.843E+01 999	5.843E+01 999	0.000E+00 999	0.000E+00 999
16	5.865E+01 999	5.865E+01 999	0.000E+00 999	0.000E+00 999
17	5.886E+01 999	5.886E+01 999	0.000E+00 999	0.000E+00 999
18	5.908E+01 999	5.908E+01 999	0.000E+00 999	0.000E+00 999
19	5.930E+01 999	5.930E+01 999	0.000E+00 999	0.000E+00 999
20	5.951E+01 999	5.951E+01 999	0.000E+00 999	0.000E+00 999
21	5.973E+01 999	5.973E+01 999	0.000E+00 999	0.000E+00 999
22	5.994E+01 999	5.994E+01 999	0.000E+00 999	0.000E+00 999
23	6.016E+01 999	6.016E+01 999	0.000E+00 999	0.000E+00 999
24	6.038E+01 999	6.038E+01 999	0.000E+00 999	0.000E+00 999
25	6.059E+01 999	6.059E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.081E+01 999	6.081E+01 999	0.000E+00 999	0.000E+00 999
27	6.102E+01 999	6.102E+01 999	0.000E+00 999	0.000E+00 999
28	6.124E+01 999	6.124E+01 999	0.000E+00 999	0.000E+00 999
29	6.146E+01 999	6.146E+01 999	0.000E+00 999	0.000E+00 999
30	6.167E+01 999	6.167E+01 999	0.000E+00 999	0.000E+00 999
31	6.189E+01 999	6.189E+01 999	0.000E+00 999	0.000E+00 999
32	6.210E+01 999	6.210E+01 999	0.000E+00 999	0.000E+00 999
33	6.232E+01 999	6.232E+01 999	0.000E+00 999	0.000E+00 999
34	6.254E+01 999	6.254E+01 999	0.000E+00 999	0.000E+00 999
35	6.275E+01 999	6.275E+01 999	0.000E+00 999	0.000E+00 999
36	6.297E+01 999	6.297E+01 999	0.000E+00 999	0.000E+00 999
37	6.318E+01 999	6.318E+01 999	0.000E+00 999	0.000E+00 999
38	6.340E+01 999	6.340E+01 999	0.000E+00 999	0.000E+00 999
39	6.362E+01 999	6.362E+01 999	0.000E+00 999	0.000E+00 999
40	6.383E+01 999	6.383E+01 999	0.000E+00 999	0.000E+00 999
41	6.405E+01 999	6.405E+01 999	0.000E+00 999	0.000E+00 999
42	6.426E+01 999	6.426E+01 999	0.000E+00 999	0.000E+00 999
43	6.448E+01 999	6.448E+01 999	0.000E+00 999	0.000E+00 999
44	6.470E+01 999	6.470E+01 999	0.000E+00 999	0.000E+00 999
45	6.491E+01 999	6.491E+01 999	0.000E+00 999	0.000E+00 999
46	6.513E+01 999	6.513E+01 999	0.000E+00 999	0.000E+00 999
47	6.534E+01 999	6.534E+01 999	0.000E+00 999	0.000E+00 999
48	6.556E+01 999	6.556E+01 999	0.000E+00 999	0.000E+00 999
49	6.578E+01 999	6.578E+01 999	0.000E+00 999	0.000E+00 999
50	-1.698E+03 999	-1.698E+03 999	-6.610E+01 999	-6.610E+01 999
51	-1.764E+03 999	-1.764E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
15 Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFLL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.710E+01	0.000E+00	2.295E+02	0.000E+00	-1.324E+03
0	50	0	8.496E+06	2.240E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.324E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 15            Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.969E-01		0.000E+00		0.000E+00
			-9.920E-03		1.148E+02	
0	0.000E+00	3.870E-01		1.148E+02		6.934E+00
			-9.893E-03		1.389E+02	
1	1.000E+00	3.771E-01		2.667E+02		0.000E+00
			-9.862E-03		2.437E+01	
2	2.000E+00	3.672E-01		3.042E+02		0.000E+00
			-9.826E-03		2.459E+01	
3	3.000E+00	3.574E-01		3.418E+02		0.000E+00
			-9.786E-03		2.482E+01	
4	4.000E+00	3.476E-01		3.795E+02		0.000E+00
			-9.741E-03		2.504E+01	
5	5.000E+00	3.379E-01		4.175E+02		0.000E+00
			-9.692E-03		2.527E+01	
6	6.000E+00	3.282E-01		4.556E+02		0.000E+00
			-9.638E-03		2.549E+01	
7	7.000E+00	3.186E-01		4.938E+02		0.000E+00
			-9.580E-03		2.571E+01	
8	8.000E+00	3.090E-01		5.322E+02		0.000E+00
			-9.517E-03		2.594E+01	
9	9.000E+00	2.995E-01		5.708E+02		0.000E+00
			-9.450E-03		2.616E+01	
10	1.000E+01	2.900E-01		6.094E+02		0.000E+00
			-9.378E-03		2.639E+01	
11	1.100E+01	2.806E-01		6.482E+02		0.000E+00
			-9.302E-03		2.661E+01	
12	1.200E+01	2.713E-01		6.872E+02		0.000E+00
			-9.221E-03		2.683E+01	
13	1.300E+01	2.621E-01		7.262E+02		0.000E+00
			-9.136E-03		2.706E+01	
14	1.400E+01	2.530E-01		7.654E+02		0.000E+00
			-9.046E-03		2.728E+01	
15	1.500E+01	2.439E-01		8.046E+02		0.000E+00
			-8.951E-03		2.751E+01	
16	1.600E+01	2.350E-01		8.440E+02		0.000E+00
			-8.852E-03		2.773E+01	
17	1.700E+01	2.261E-01		8.834E+02		0.000E+00
			-8.748E-03		2.795E+01	
18	1.800E+01	2.174E-01		9.230E+02		0.000E+00
			-8.639E-03		2.818E+01	
19	1.900E+01	2.087E-01		9.626E+02		0.000E+00
			-8.526E-03		2.840E+01	
20	2.000E+01	2.002E-01		1.002E+03		0.000E+00
			-8.408E-03		2.863E+01	
21	2.100E+01	1.918E-01		1.042E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.835E-01	-8.285E-03	1.082E+03	2.885E+01	0.000E+00
23	2.300E+01	1.754E-01	-8.158E-03	1.122E+03	2.907E+01	0.000E+00
24	2.400E+01	1.673E-01	-8.026E-03	1.162E+03	2.930E+01	0.000E+00
25	2.500E+01	1.595E-01	-7.889E-03	1.202E+03	2.952E+01	0.000E+00
26	2.600E+01	1.517E-01	-7.748E-03	1.242E+03	2.975E+01	0.000E+00
27	2.700E+01	1.441E-01	-7.601E-03	1.282E+03	2.997E+01	0.000E+00
28	2.800E+01	1.367E-01	-7.451E-03	1.322E+03	3.019E+01	0.000E+00
29	2.900E+01	1.294E-01	-7.295E-03	1.362E+03	3.042E+01	0.000E+00
30	3.000E+01	1.222E-01	-7.135E-03	1.402E+03	3.064E+01	0.000E+00
31	3.100E+01	1.153E-01	-6.970E-03	1.442E+03	3.087E+01	0.000E+00
32	3.200E+01	1.085E-01	-6.800E-03	1.482E+03	3.109E+01	0.000E+00
33	3.300E+01	1.018E-01	-6.626E-03	1.522E+03	3.131E+01	0.000E+00
34	3.400E+01	9.538E-02	-6.446E-03	1.562E+03	3.154E+01	0.000E+00
35	3.500E+01	8.912E-02	-6.263E-03	1.602E+03	3.176E+01	0.000E+00
36	3.600E+01	8.304E-02	-6.074E-03	1.642E+03	3.199E+01	0.000E+00
37	3.700E+01	7.716E-02	-5.881E-03	1.682E+03	3.221E+01	0.000E+00
38	3.800E+01	7.148E-02	-5.683E-03	1.722E+03	3.243E+01	0.000E+00
39	3.900E+01	6.600E-02	-5.480E-03	1.762E+03	3.266E+01	0.000E+00
40	4.000E+01	6.073E-02	-5.273E-03	1.802E+03	3.288E+01	0.000E+00
41	4.100E+01	5.567E-02	-5.060E-03	1.842E+03	3.311E+01	0.000E+00
42	4.200E+01	5.082E-02	-4.844E-03	1.882E+03	3.333E+01	0.000E+00
43	4.300E+01	4.620E-02	-4.622E-03	1.921E+03	3.355E+01	0.000E+00
44	4.400E+01	4.181E-02	-4.396E-03	1.961E+03	3.378E+01	0.000E+00
45	4.500E+01	3.764E-02	-4.165E-03	2.000E+03	3.400E+01	0.000E+00
46	4.600E+01	3.371E-02	-3.930E-03	2.040E+03	3.423E+01	0.000E+00
47	4.700E+01	3.002E-02	-3.690E-03	2.079E+03	3.445E+01	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.658E-02	-3.445E-03	2.118E+03	3.467E+01	0.000E+00
49	4.900E+01	2.338E-02	-3.196E-03	2.157E+03	3.490E+01	0.000E+00
50	5.000E+01	2.044E-02	-2.942E-03	2.197E+03	3.512E+01	0.000E+00
51	5.100E+01	1.771E-02	-2.730E-03	2.235E+03	3.523E+01	0.000E+00
52	5.200E+01	1.516E-02	-2.547E-03	2.274E+03	3.523E+01	0.000E+00
53	5.300E+01	1.280E-02	-2.361E-03	2.312E+03	3.523E+01	0.000E+00
54	5.400E+01	1.063E-02	-2.171E-03	2.350E+03	3.523E+01	0.000E+00
55	5.500E+01	8.652E-03	-1.979E-03	2.388E+03	3.523E+01	0.000E+00
56	5.600E+01	6.868E-03	-1.784E-03	2.426E+03	3.523E+01	0.000E+00
57	5.700E+01	5.283E-03	-1.585E-03	2.463E+03	3.523E+01	0.000E+00
58	5.800E+01	3.900E-03	-1.384E-03	2.500E+03	3.523E+01	0.000E+00
59	5.900E+01	2.721E-03	-1.179E-03	2.537E+03	3.523E+01	0.000E+00
60	6.000E+01	1.750E-03	-9.713E-04	2.574E+03	3.523E+01	0.000E+00
61	6.100E+01	9.889E-04	-7.607E-04	2.610E+03	3.523E+01	0.000E+00
62	6.200E+01	4.418E-04	-5.471E-04	2.646E+03	3.523E+01	0.000E+00
63	6.300E+01	1.112E-04	-3.306E-04	2.681E+03	3.523E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.112E-04	2.681E+03	-1.323E+03	-3.523E+01
65	6.500E+01	1.112E-04	1.112E-04	0.000E+00	-1.358E+03	0.000E+00

PROB (CONTD)

15 Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.969E-01		0	3.969E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	1.148E+02		999	1.148E+02		999
1	3.771E-01		0	3.771E-01		999	2.667E+02		999	2.667E+02		999
2	3.672E-01		999	3.672E-01		0	3.042E+02		999	3.042E+02		999
3	3.574E-01		0	3.574E-01		999	3.418E+02		999	3.418E+02		999
4	3.476E-01		0	3.476E-01		999	3.795E+02		999	3.795E+02		999
5	3.379E-01		999	3.379E-01		0	4.175E+02		999	4.175E+02		999
6	3.282E-01		0	3.282E-01		999	4.556E+02		999	4.556E+02		999
7	3.186E-01		0	3.186E-01		999	4.938E+02		999	4.938E+02		999
8	3.090E-01		0	3.090E-01		999	5.322E+02		999	5.322E+02		999
9	2.995E-01		0	2.995E-01		999	5.708E+02		999	5.708E+02		999
10	2.900E-01		999	2.900E-01		0	6.094E+02		999	6.094E+02		999
11	2.806E-01		0	2.806E-01		999	6.482E+02		999	6.482E+02		999
12	2.713E-01		999	2.713E-01		0	6.872E+02		999	6.872E+02		999
13	2.621E-01		0	2.621E-01		999	7.262E+02		999	7.262E+02		999
14	2.530E-01		0	2.530E-01		999	7.654E+02		999	7.654E+02		999
15	2.439E-01		999	2.439E-01		0	8.046E+02		999	8.046E+02		999
16	2.350E-01		999	2.350E-01		0	8.440E+02		999	8.440E+02		999
17	2.261E-01		999	2.261E-01		0	8.834E+02		999	8.834E+02		999
18	2.174E-01		999	2.174E-01		0	9.230E+02		999	9.230E+02		999
19	2.087E-01		0	2.087E-01		999	9.626E+02		999	9.626E+02		999
20	2.002E-01		0	2.002E-01		999	1.002E+03		999	1.002E+03		999
21	1.918E-01		0	1.918E-01		999	1.042E+03		999	1.042E+03		999
22	1.835E-01		999	1.835E-01		0	1.082E+03		999	1.082E+03		999
23	1.754E-01		0	1.754E-01		999	1.122E+03		999	1.122E+03		999
24	1.673E-01		999	1.673E-01		0	1.162E+03		999	1.162E+03		999
25	1.595E-01		999	1.595E-01		0	1.202E+03		999	1.202E+03		999
26	1.517E-01		999	1.517E-01		0	1.242E+03		999	1.242E+03		999
27	1.441E-01		999	1.441E-01		0	1.282E+03		999	1.282E+03		999
28	1.367E-01		0	1.367E-01		999	1.322E+03		999	1.322E+03		999
29	1.294E-01		0	1.294E-01		999	1.362E+03		999	1.362E+03		999
30	1.222E-01		999	1.222E-01		0	1.402E+03		999	1.402E+03		999
31	1.153E-01		999	1.153E-01		0	1.442E+03		999	1.442E+03		999
32	1.085E-01		0	1.085E-01		999	1.482E+03		999	1.482E+03		999
33	1.018E-01		0	1.018E-01		999	1.522E+03		999	1.522E+03		999
34	9.538E-02		0	9.538E-02		999	1.562E+03		999	1.562E+03		999
35	8.912E-02		999	8.912E-02		0	1.602E+03		999	1.602E+03		999
36	8.304E-02		999	8.304E-02		0	1.642E+03		999	1.642E+03		999
37	7.716E-02		0	7.716E-02		999	1.682E+03		999	1.682E+03		999
38	7.148E-02		999	7.148E-02		0	1.722E+03		999	1.722E+03		999
39	6.600E-02		999	6.600E-02		0	1.762E+03		999	1.762E+03		999
40	6.073E-02		999	6.073E-02		0	1.802E+03		999	1.802E+03		999
41	5.567E-02		0	5.567E-02		999	1.842E+03		999	1.842E+03		999
42	5.082E-02		999	5.082E-02		0	1.882E+03		999	1.882E+03		999
43	4.620E-02		999	4.620E-02		0	1.921E+03		999	1.921E+03		999
44	4.181E-02		999	4.181E-02		0	1.961E+03		999	1.961E+03		999
45	3.764E-02		999	3.764E-02		0	2.000E+03		999	2.000E+03		999
46	3.371E-02		999	3.371E-02		0	2.040E+03		999	2.040E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.002E-02		0	3.002E-02		999	2.079E+03		999	2.079E+03		999
48	2.658E-02		0	2.658E-02		999	2.118E+03		999	2.118E+03		999
49	2.338E-02		999	2.338E-02		0	2.157E+03		999	2.157E+03		999
50	2.044E-02		999	2.044E-02		0	2.197E+03		999	2.197E+03		999
51	1.771E-02		0	1.771E-02		999	2.235E+03		999	2.235E+03		999
52	1.516E-02		0	1.516E-02		999	2.274E+03		999	2.274E+03		999
53	1.280E-02		999	1.280E-02		0	2.312E+03		999	2.312E+03		999
54	1.063E-02		999	1.063E-02		0	2.350E+03		999	2.350E+03		999
55	8.652E-03		0	8.652E-03		999	2.388E+03		999	2.388E+03		999
56	6.868E-03		0	6.868E-03		999	2.426E+03		999	2.426E+03		999
57	5.283E-03		999	5.283E-03		0	2.463E+03		999	2.463E+03		999
58	3.900E-03		999	3.900E-03		0	2.500E+03		999	2.500E+03		999
59	2.721E-03		0	2.721E-03		999	2.537E+03		999	2.537E+03		999
60	1.750E-03		0	1.750E-03		999	2.574E+03		999	2.574E+03		999
61	9.889E-04		0	9.889E-04		999	2.610E+03		999	2.610E+03		999
62	4.418E-04		999	4.418E-04		0	2.646E+03		999	2.646E+03		999
63	1.112E-04		0	1.112E-04		999	2.681E+03		999	2.681E+03		999
64	0.000E+00		999	0.000E+00		999	1.358E+03		999	1.358E+03		999
65	1.112E-04		0	1.112E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.148E+02 999	1.148E+02 999	6.934E+00 999	6.934E+00 999
1	1.389E+02 999	1.389E+02 999	0.000E+00 999	0.000E+00 999
2	2.437E+01 999	2.437E+01 999	0.000E+00 999	0.000E+00 999
3	2.459E+01 999	2.459E+01 999	0.000E+00 999	0.000E+00 999
4	2.482E+01 999	2.482E+01 999	0.000E+00 999	0.000E+00 999
5	2.504E+01 999	2.504E+01 999	0.000E+00 999	0.000E+00 999
6	2.527E+01 999	2.527E+01 999	0.000E+00 999	0.000E+00 999
7	2.549E+01 999	2.549E+01 999	0.000E+00 999	0.000E+00 999
8	2.571E+01 999	2.571E+01 999	0.000E+00 999	0.000E+00 999
9	2.594E+01 999	2.594E+01 999	0.000E+00 999	0.000E+00 999
10	2.616E+01 999	2.616E+01 999	0.000E+00 999	0.000E+00 999
11	2.639E+01 999	2.639E+01 999	0.000E+00 999	0.000E+00 999
12	2.661E+01 999	2.661E+01 999	0.000E+00 999	0.000E+00 999
13	2.683E+01 999	2.683E+01 999	0.000E+00 999	0.000E+00 999
14	2.706E+01 999	2.706E+01 999	0.000E+00 999	0.000E+00 999
15	2.728E+01 999	2.728E+01 999	0.000E+00 999	0.000E+00 999
16	2.751E+01 999	2.751E+01 999	0.000E+00 999	0.000E+00 999
17	2.773E+01 999	2.773E+01 999	0.000E+00 999	0.000E+00 999
18	2.795E+01 999	2.795E+01 999	0.000E+00 999	0.000E+00 999
19	2.818E+01 999	2.818E+01 999	0.000E+00 999	0.000E+00 999
20	2.840E+01 999	2.840E+01 999	0.000E+00 999	0.000E+00 999
21	2.863E+01 999	2.863E+01 999	0.000E+00 999	0.000E+00 999
22	2.885E+01 999	2.885E+01 999	0.000E+00 999	0.000E+00 999
23	2.907E+01 999	2.907E+01 999	0.000E+00 999	0.000E+00 999
24	2.930E+01 999	2.930E+01 999	0.000E+00 999	0.000E+00 999
25	2.952E+01 999	2.952E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.975E+01 999	2.975E+01 999	0.000E+00 999	0.000E+00 999
27	2.997E+01 999	2.997E+01 999	0.000E+00 999	0.000E+00 999
28	3.019E+01 999	3.019E+01 999	0.000E+00 999	0.000E+00 999
29	3.042E+01 999	3.042E+01 999	0.000E+00 999	0.000E+00 999
30	3.064E+01 999	3.064E+01 999	0.000E+00 999	0.000E+00 999
31	3.087E+01 999	3.087E+01 999	0.000E+00 999	0.000E+00 999
32	3.109E+01 999	3.109E+01 999	0.000E+00 999	0.000E+00 999
33	3.131E+01 999	3.131E+01 999	0.000E+00 999	0.000E+00 999
34	3.154E+01 999	3.154E+01 999	0.000E+00 999	0.000E+00 999
35	3.176E+01 999	3.176E+01 999	0.000E+00 999	0.000E+00 999
36	3.199E+01 999	3.199E+01 999	0.000E+00 999	0.000E+00 999
37	3.221E+01 999	3.221E+01 999	0.000E+00 999	0.000E+00 999
38	3.243E+01 999	3.243E+01 999	0.000E+00 999	0.000E+00 999
39	3.266E+01 999	3.266E+01 999	0.000E+00 999	0.000E+00 999
40	3.288E+01 999	3.288E+01 999	0.000E+00 999	0.000E+00 999
41	3.311E+01 999	3.311E+01 999	0.000E+00 999	0.000E+00 999
42	3.333E+01 999	3.333E+01 999	0.000E+00 999	0.000E+00 999
43	3.355E+01 999	3.355E+01 999	0.000E+00 999	0.000E+00 999
44	3.378E+01 999	3.378E+01 999	0.000E+00 999	0.000E+00 999
45	3.400E+01 999	3.400E+01 999	0.000E+00 999	0.000E+00 999
46	3.423E+01 999	3.423E+01 999	0.000E+00 999	0.000E+00 999
47	3.445E+01 999	3.445E+01 999	0.000E+00 999	0.000E+00 999
48	3.467E+01 999	3.467E+01 999	0.000E+00 999	0.000E+00 999
49	3.490E+01 999	3.490E+01 999	0.000E+00 999	0.000E+00 999
50	3.512E+01 999	3.512E+01 999	0.000E+00 999	0.000E+00 999
51	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
53	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
54	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
55	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
56	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
57	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
58	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
59	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
60	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
61	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
62	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
63	3.523E+01 999	3.523E+01 999	0.000E+00 999	0.000E+00 999
64	-1.323E+03 999	-1.323E+03 999	-3.523E+01 999	-3.523E+01 999
65	-1.358E+03 999	-1.358E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.140E+01	0.000E+00	3.482E+02	0.000E+00	-1.324E+03	
0	50	0	3.398E+07	1.940E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
16        Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	8.622E-02		0.000E+00		0.000E+00
			-2.630E-03		1.741E+02	
0	0.000E+00	8.359E-02		1.741E+02		0.000E+00
			-2.620E-03		2.256E+02	
1	1.000E+00	8.097E-02		4.032E+02		0.000E+00
			-2.608E-03		5.169E+01	
2	2.000E+00	7.836E-02		4.583E+02		0.000E+00
			-2.594E-03		5.188E+01	
3	3.000E+00	7.576E-02		5.136E+02		0.000E+00
			-2.579E-03		5.208E+01	
4	4.000E+00	7.318E-02		5.691E+02		0.000E+00
			-2.562E-03		5.227E+01	
5	5.000E+00	7.062E-02		6.248E+02		0.000E+00
			-2.544E-03		5.247E+01	
6	6.000E+00	6.808E-02		6.806E+02		0.000E+00
			-2.524E-03		5.266E+01	
7	7.000E+00	6.555E-02		7.366E+02		0.000E+00
			-2.502E-03		5.285E+01	
8	8.000E+00	6.305E-02		7.928E+02		0.000E+00
			-2.479E-03		5.305E+01	
9	9.000E+00	6.057E-02		8.491E+02		0.000E+00
			-2.454E-03		5.324E+01	
10	1.000E+01	5.812E-02		9.056E+02		0.000E+00
			-2.427E-03		5.344E+01	
11	1.100E+01	5.569E-02		9.623E+02		0.000E+00
			-2.399E-03		5.363E+01	
12	1.200E+01	5.329E-02		1.019E+03		0.000E+00
			-2.369E-03		5.383E+01	
13	1.300E+01	5.092E-02		1.076E+03		0.000E+00
			-2.337E-03		5.402E+01	
14	1.400E+01	4.859E-02		1.133E+03		0.000E+00
			-2.304E-03		5.421E+01	
15	1.500E+01	4.628E-02		1.190E+03		0.000E+00
			-2.269E-03		5.441E+01	
16	1.600E+01	4.401E-02		1.248E+03		0.000E+00
			-2.232E-03		5.460E+01	
17	1.700E+01	4.178E-02		1.305E+03		0.000E+00
			-2.194E-03		5.479E+01	
18	1.800E+01	3.959E-02		1.363E+03		0.000E+00
			-2.154E-03		5.499E+01	
19	1.900E+01	3.743E-02		1.421E+03		0.000E+00
			-2.112E-03		5.518E+01	
20	2.000E+01	3.532E-02		1.479E+03		0.000E+00
			-2.068E-03		5.538E+01	
21	2.100E+01	3.325E-02		1.537E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	3.123E-02	-2.023E-03	1.595E+03	5.557E+01	0.000E+00
23	2.300E+01	2.925E-02	-1.976E-03	1.654E+03	5.577E+01	0.000E+00
24	2.400E+01	2.732E-02	-1.928E-03	1.712E+03	5.596E+01	0.000E+00
25	2.500E+01	2.545E-02	-1.877E-03	1.771E+03	5.615E+01	0.000E+00
26	2.600E+01	2.362E-02	-1.825E-03	1.830E+03	5.635E+01	0.000E+00
27	2.700E+01	2.185E-02	-1.771E-03	1.888E+03	5.654E+01	0.000E+00
28	2.800E+01	2.014E-02	-1.716E-03	1.947E+03	5.674E+01	0.000E+00
29	2.900E+01	1.848E-02	-1.658E-03	2.007E+03	5.693E+01	0.000E+00
30	3.000E+01	1.688E-02	-1.599E-03	2.066E+03	5.712E+01	0.000E+00
31	3.100E+01	1.534E-02	-1.539E-03	2.125E+03	5.732E+01	0.000E+00
32	3.200E+01	1.386E-02	-1.476E-03	2.185E+03	5.751E+01	0.000E+00
33	3.300E+01	1.245E-02	-1.412E-03	2.244E+03	5.770E+01	0.000E+00
34	3.400E+01	1.111E-02	-1.346E-03	2.304E+03	5.790E+01	0.000E+00
35	3.500E+01	9.828E-03	-1.278E-03	2.364E+03	5.809E+01	0.000E+00
36	3.600E+01	8.620E-03	-1.208E-03	2.424E+03	5.829E+01	0.000E+00
37	3.700E+01	7.483E-03	-1.137E-03	2.484E+03	5.848E+01	0.000E+00
38	3.800E+01	6.419E-03	-1.064E-03	2.544E+03	5.867E+01	0.000E+00
39	3.900E+01	5.430E-03	-9.890E-04	2.604E+03	5.887E+01	0.000E+00
40	4.000E+01	4.518E-03	-9.124E-04	2.664E+03	5.906E+01	0.000E+00
41	4.100E+01	3.684E-03	-8.340E-04	2.724E+03	5.926E+01	0.000E+00
42	4.200E+01	2.930E-03	-7.538E-04	2.785E+03	5.945E+01	0.000E+00
43	4.300E+01	2.258E-03	-6.718E-04	2.845E+03	5.965E+01	0.000E+00
44	4.400E+01	1.670E-03	-5.881E-04	2.906E+03	5.984E+01	0.000E+00
45	4.500E+01	1.168E-03	-5.026E-04	2.967E+03	6.003E+01	0.000E+00
46	4.600E+01	7.522E-04	-4.153E-04	3.028E+03	6.023E+01	0.000E+00
47	4.700E+01	4.260E-04	-3.262E-04	3.088E+03	6.042E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.907E-04	-2.353E-04	3.149E+03	6.062E+01	0.000E+00
49	4.900E+01	4.814E-05	-1.426E-04	3.210E+03	6.081E+01	0.000E+00
50	5.000E+01	0.000E+00	-4.814E-05	1.636E+03	-1.575E+03	-6.110E+01
51	5.100E+01	4.814E-05	4.814E-05	0.000E+00	-1.636E+03	0.000E+00

PROB (CONTD)

16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	8.622E-02		999	8.622E-02		0	0.000E+00		999	0.000E+00		999
0	8.359E-02		0	8.359E-02		999	1.741E+02		999	1.741E+02		999
1	8.097E-02		0	8.097E-02		999	4.032E+02		999	4.032E+02		999
2	7.836E-02		0	7.836E-02		999	4.583E+02		999	4.583E+02		999
3	7.576E-02		999	7.576E-02		0	5.136E+02		999	5.136E+02		999
4	7.318E-02		0	7.318E-02		999	5.691E+02		999	5.691E+02		999
5	7.062E-02		0	7.062E-02		999	6.248E+02		999	6.248E+02		999
6	6.808E-02		999	6.808E-02		0	6.806E+02		999	6.806E+02		999
7	6.555E-02		0	6.555E-02		999	7.366E+02		999	7.366E+02		999
8	6.305E-02		0	6.305E-02		999	7.928E+02		999	7.928E+02		999
9	6.057E-02		999	6.057E-02		0	8.491E+02		999	8.491E+02		999
10	5.812E-02		999	5.812E-02		0	9.056E+02		999	9.056E+02		999
11	5.569E-02		0	5.569E-02		999	9.623E+02		999	9.623E+02		999
12	5.329E-02		0	5.329E-02		999	1.019E+03		999	1.019E+03		999
13	5.092E-02		999	5.092E-02		0	1.076E+03		999	1.076E+03		999
14	4.859E-02		999	4.859E-02		0	1.133E+03		999	1.133E+03		999
15	4.628E-02		999	4.628E-02		0	1.190E+03		999	1.190E+03		999
16	4.401E-02		0	4.401E-02		999	1.248E+03		999	1.248E+03		999
17	4.178E-02		999	4.178E-02		0	1.305E+03		999	1.305E+03		999
18	3.959E-02		0	3.959E-02		999	1.363E+03		999	1.363E+03		999
19	3.743E-02		0	3.743E-02		999	1.421E+03		999	1.421E+03		999
20	3.532E-02		0	3.532E-02		999	1.479E+03		999	1.479E+03		999
21	3.325E-02		999	3.325E-02		0	1.537E+03		999	1.537E+03		999
22	3.123E-02		999	3.123E-02		0	1.595E+03		999	1.595E+03		999
23	2.925E-02		0	2.925E-02		999	1.654E+03		999	1.654E+03		999
24	2.732E-02		0	2.732E-02		999	1.712E+03		999	1.712E+03		999
25	2.545E-02		0	2.545E-02		999	1.771E+03		999	1.771E+03		999
26	2.362E-02		0	2.362E-02		999	1.830E+03		999	1.830E+03		999
27	2.185E-02		999	2.185E-02		0	1.888E+03		999	1.888E+03		999
28	2.014E-02		0	2.014E-02		999	1.947E+03		999	1.947E+03		999
29	1.848E-02		999	1.848E-02		0	2.007E+03		999	2.007E+03		999
30	1.688E-02		0	1.688E-02		999	2.066E+03		999	2.066E+03		999
31	1.534E-02		999	1.534E-02		0	2.125E+03		999	2.125E+03		999
32	1.386E-02		999	1.386E-02		0	2.185E+03		999	2.185E+03		999
33	1.245E-02		0	1.245E-02		999	2.244E+03		999	2.244E+03		999
34	1.111E-02		999	1.111E-02		0	2.304E+03		999	2.304E+03		999
35	9.828E-03		999	9.828E-03		0	2.364E+03		999	2.364E+03		999
36	8.620E-03		0	8.620E-03		999	2.424E+03		999	2.424E+03		999
37	7.483E-03		999	7.483E-03		0	2.484E+03		999	2.484E+03		999
38	6.419E-03		999	6.419E-03		0	2.544E+03		999	2.544E+03		999
39	5.430E-03		0	5.430E-03		999	2.604E+03		999	2.604E+03		999
40	4.518E-03		0	4.518E-03		999	2.664E+03		999	2.664E+03		999
41	3.684E-03		0	3.684E-03		999	2.724E+03		999	2.724E+03		999
42	2.930E-03		0	2.930E-03		999	2.785E+03		999	2.785E+03		999
43	2.258E-03		999	2.258E-03		0	2.845E+03		999	2.845E+03		999
44	1.670E-03		0	1.670E-03		999	2.906E+03		999	2.906E+03		999
45	1.168E-03		0	1.168E-03		999	2.967E+03		999	2.967E+03		999
46	7.522E-04		999	7.522E-04		0	3.028E+03		999	3.028E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	4.260E-04		0	4.260E-04		999	3.088E+03		999	3.088E+03		999
48	1.907E-04		0	1.907E-04		999	3.149E+03		999	3.149E+03		999
49	4.814E-05		0	4.814E-05		999	3.210E+03		999	3.210E+03		999
50	0.000E+00		999	0.000E+00		999	1.636E+03		999	1.636E+03		999
51	4.814E-05		0	4.814E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.741E+02 999	1.741E+02 999	0.000E+00 999	0.000E+00 999
1	2.256E+02 999	2.256E+02 999	0.000E+00 999	0.000E+00 999
2	5.169E+01 999	5.169E+01 999	0.000E+00 999	0.000E+00 999
3	5.188E+01 999	5.188E+01 999	0.000E+00 999	0.000E+00 999
4	5.208E+01 999	5.208E+01 999	0.000E+00 999	0.000E+00 999
5	5.227E+01 999	5.227E+01 999	0.000E+00 999	0.000E+00 999
6	5.247E+01 999	5.247E+01 999	0.000E+00 999	0.000E+00 999
7	5.266E+01 999	5.266E+01 999	0.000E+00 999	0.000E+00 999
8	5.285E+01 999	5.285E+01 999	0.000E+00 999	0.000E+00 999
9	5.305E+01 999	5.305E+01 999	0.000E+00 999	0.000E+00 999
10	5.324E+01 999	5.324E+01 999	0.000E+00 999	0.000E+00 999
11	5.344E+01 999	5.344E+01 999	0.000E+00 999	0.000E+00 999
12	5.363E+01 999	5.363E+01 999	0.000E+00 999	0.000E+00 999
13	5.383E+01 999	5.383E+01 999	0.000E+00 999	0.000E+00 999
14	5.402E+01 999	5.402E+01 999	0.000E+00 999	0.000E+00 999
15	5.421E+01 999	5.421E+01 999	0.000E+00 999	0.000E+00 999
16	5.441E+01 999	5.441E+01 999	0.000E+00 999	0.000E+00 999
17	5.460E+01 999	5.460E+01 999	0.000E+00 999	0.000E+00 999
18	5.479E+01 999	5.479E+01 999	0.000E+00 999	0.000E+00 999
19	5.499E+01 999	5.499E+01 999	0.000E+00 999	0.000E+00 999
20	5.518E+01 999	5.518E+01 999	0.000E+00 999	0.000E+00 999
21	5.538E+01 999	5.538E+01 999	0.000E+00 999	0.000E+00 999
22	5.557E+01 999	5.557E+01 999	0.000E+00 999	0.000E+00 999
23	5.577E+01 999	5.577E+01 999	0.000E+00 999	0.000E+00 999
24	5.596E+01 999	5.596E+01 999	0.000E+00 999	0.000E+00 999
25	5.615E+01 999	5.615E+01 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.635E+01 999	5.635E+01 999	0.000E+00 999	0.000E+00 999
27	5.654E+01 999	5.654E+01 999	0.000E+00 999	0.000E+00 999
28	5.674E+01 999	5.674E+01 999	0.000E+00 999	0.000E+00 999
29	5.693E+01 999	5.693E+01 999	0.000E+00 999	0.000E+00 999
30	5.712E+01 999	5.712E+01 999	0.000E+00 999	0.000E+00 999
31	5.732E+01 999	5.732E+01 999	0.000E+00 999	0.000E+00 999
32	5.751E+01 999	5.751E+01 999	0.000E+00 999	0.000E+00 999
33	5.770E+01 999	5.770E+01 999	0.000E+00 999	0.000E+00 999
34	5.790E+01 999	5.790E+01 999	0.000E+00 999	0.000E+00 999
35	5.809E+01 999	5.809E+01 999	0.000E+00 999	0.000E+00 999
36	5.829E+01 999	5.829E+01 999	0.000E+00 999	0.000E+00 999
37	5.848E+01 999	5.848E+01 999	0.000E+00 999	0.000E+00 999
38	5.867E+01 999	5.867E+01 999	0.000E+00 999	0.000E+00 999
39	5.887E+01 999	5.887E+01 999	0.000E+00 999	0.000E+00 999
40	5.906E+01 999	5.906E+01 999	0.000E+00 999	0.000E+00 999
41	5.926E+01 999	5.926E+01 999	0.000E+00 999	0.000E+00 999
42	5.945E+01 999	5.945E+01 999	0.000E+00 999	0.000E+00 999
43	5.965E+01 999	5.965E+01 999	0.000E+00 999	0.000E+00 999
44	5.984E+01 999	5.984E+01 999	0.000E+00 999	0.000E+00 999
45	6.003E+01 999	6.003E+01 999	0.000E+00 999	0.000E+00 999
46	6.023E+01 999	6.023E+01 999	0.000E+00 999	0.000E+00 999
47	6.042E+01 999	6.042E+01 999	0.000E+00 999	0.000E+00 999
48	6.062E+01 999	6.062E+01 999	0.000E+00 999	0.000E+00 999
49	6.081E+01 999	6.081E+01 999	0.000E+00 999	0.000E+00 999
50	-1.575E+03 999	-1.575E+03 999	-6.110E+01 999	-6.110E+01 999
51	-1.636E+03 999	-1.636E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0	
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.300E+01	0.000E+00	2.645E+02	0.000E+00	-1.324E+03
0	50	0	8.496E+06	3.170E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.324E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
17            Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.969E-01		0.000E+00		0.000E+00
			-9.933E-03		1.323E+02	
0	0.000E+00	3.870E-01		1.323E+02		-1.944E+00
			-9.902E-03		1.535E+02	
1	1.000E+00	3.771E-01		2.988E+02		0.000E+00
			-9.866E-03		2.153E+01	
2	2.000E+00	3.672E-01		3.334E+02		0.000E+00
			-9.827E-03		2.185E+01	
3	3.000E+00	3.574E-01		3.683E+02		0.000E+00
			-9.784E-03		2.217E+01	
4	4.000E+00	3.476E-01		4.034E+02		0.000E+00
			-9.736E-03		2.248E+01	
5	5.000E+00	3.379E-01		4.388E+02		0.000E+00
			-9.685E-03		2.280E+01	
6	6.000E+00	3.282E-01		4.744E+02		0.000E+00
			-9.629E-03		2.312E+01	
7	7.000E+00	3.186E-01		5.103E+02		0.000E+00
			-9.569E-03		2.343E+01	
8	8.000E+00	3.090E-01		5.464E+02		0.000E+00
			-9.504E-03		2.375E+01	
9	9.000E+00	2.995E-01		5.827E+02		0.000E+00
			-9.436E-03		2.407E+01	
10	1.000E+01	2.901E-01		6.193E+02		0.000E+00
			-9.363E-03		2.438E+01	
11	1.100E+01	2.807E-01		6.560E+02		0.000E+00
			-9.286E-03		2.470E+01	
12	1.200E+01	2.714E-01		6.930E+02		0.000E+00
			-9.204E-03		2.502E+01	
13	1.300E+01	2.622E-01		7.302E+02		0.000E+00
			-9.118E-03		2.534E+01	
14	1.400E+01	2.531E-01		7.677E+02		0.000E+00
			-9.028E-03		2.565E+01	
15	1.500E+01	2.441E-01		8.053E+02		0.000E+00
			-8.933E-03		2.597E+01	
16	1.600E+01	2.351E-01		8.431E+02		0.000E+00
			-8.834E-03		2.629E+01	
17	1.700E+01	2.263E-01		8.810E+02		0.000E+00
			-8.730E-03		2.660E+01	
18	1.800E+01	2.176E-01		9.192E+02		0.000E+00
			-8.622E-03		2.692E+01	
19	1.900E+01	2.089E-01		9.575E+02		0.000E+00
			-8.509E-03		2.724E+01	
20	2.000E+01	2.004E-01		9.960E+02		0.000E+00
			-8.392E-03		2.755E+01	
21	2.100E+01	1.920E-01		1.035E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.838E-01	-8.270E-03	1.074E+03	2.787E+01	0.000E+00
23	2.300E+01	1.756E-01	-8.144E-03	1.112E+03	2.819E+01	0.000E+00
24	2.400E+01	1.676E-01	-8.013E-03	1.152E+03	2.851E+01	0.000E+00
25	2.500E+01	1.597E-01	-7.877E-03	1.191E+03	2.882E+01	0.000E+00
26	2.600E+01	1.520E-01	-7.737E-03	1.230E+03	2.914E+01	0.000E+00
27	2.700E+01	1.444E-01	-7.592E-03	1.270E+03	2.946E+01	0.000E+00
28	2.800E+01	1.370E-01	-7.443E-03	1.309E+03	2.977E+01	0.000E+00
29	2.900E+01	1.297E-01	-7.289E-03	1.349E+03	3.009E+01	0.000E+00
30	3.000E+01	1.225E-01	-7.130E-03	1.389E+03	3.041E+01	0.000E+00
31	3.100E+01	1.156E-01	-6.967E-03	1.429E+03	3.072E+01	0.000E+00
32	3.200E+01	1.088E-01	-6.798E-03	1.469E+03	3.104E+01	0.000E+00
33	3.300E+01	1.022E-01	-6.625E-03	1.509E+03	3.136E+01	0.000E+00
34	3.400E+01	9.571E-02	-6.448E-03	1.549E+03	3.168E+01	0.000E+00
35	3.500E+01	8.944E-02	-6.265E-03	1.590E+03	3.199E+01	0.000E+00
36	3.600E+01	8.337E-02	-6.078E-03	1.630E+03	3.231E+01	0.000E+00
37	3.700E+01	7.748E-02	-5.887E-03	1.670E+03	3.263E+01	0.000E+00
38	3.800E+01	7.179E-02	-5.690E-03	1.711E+03	3.294E+01	0.000E+00
39	3.900E+01	6.630E-02	-5.489E-03	1.751E+03	3.326E+01	0.000E+00
40	4.000E+01	6.102E-02	-5.282E-03	1.792E+03	3.358E+01	0.000E+00
41	4.100E+01	5.595E-02	-5.071E-03	1.833E+03	3.389E+01	0.000E+00
42	4.200E+01	5.109E-02	-4.856E-03	1.873E+03	3.421E+01	0.000E+00
43	4.300E+01	4.646E-02	-4.635E-03	1.914E+03	3.453E+01	0.000E+00
44	4.400E+01	4.205E-02	-4.410E-03	1.955E+03	3.485E+01	0.000E+00
45	4.500E+01	3.787E-02	-4.180E-03	1.995E+03	3.516E+01	0.000E+00
46	4.600E+01	3.392E-02	-3.945E-03	2.036E+03	3.548E+01	0.000E+00
47	4.700E+01	3.021E-02	-3.706E-03	2.077E+03	3.580E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.675E-02	-3.461E-03	2.117E+03	3.611E+01	0.000E+00
49	4.900E+01	2.354E-02	-3.212E-03	2.158E+03	3.643E+01	0.000E+00
50	5.000E+01	2.058E-02	-2.958E-03	2.199E+03	3.675E+01	0.000E+00
51	5.100E+01	1.784E-02	-2.746E-03	2.239E+03	3.691E+01	0.000E+00
52	5.200E+01	1.528E-02	-2.562E-03	2.280E+03	3.691E+01	0.000E+00
53	5.300E+01	1.290E-02	-2.376E-03	2.320E+03	3.691E+01	0.000E+00
54	5.400E+01	1.071E-02	-2.186E-03	2.359E+03	3.691E+01	0.000E+00
55	5.500E+01	8.721E-03	-1.993E-03	2.399E+03	3.691E+01	0.000E+00
56	5.600E+01	6.924E-03	-1.797E-03	2.438E+03	3.691E+01	0.000E+00
57	5.700E+01	5.327E-03	-1.597E-03	2.477E+03	3.691E+01	0.000E+00
58	5.800E+01	3.933E-03	-1.394E-03	2.516E+03	3.691E+01	0.000E+00
59	5.900E+01	2.744E-03	-1.188E-03	2.554E+03	3.691E+01	0.000E+00
60	6.000E+01	1.765E-03	-9.794E-04	2.593E+03	3.691E+01	0.000E+00
61	6.100E+01	9.978E-04	-7.672E-04	2.631E+03	3.691E+01	0.000E+00
62	6.200E+01	4.458E-04	-5.520E-04	2.668E+03	3.691E+01	0.000E+00
63	6.300E+01	1.122E-04	-3.336E-04	2.706E+03	3.691E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.122E-04	1.371E+03	-1.334E+03	-3.691E+01
65	6.500E+01	1.122E-04	1.122E-04	0.000E+00	-1.371E+03	0.000E+00



PROB (CONTD)

17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.969E-01	999		3.969E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		1.323E+02	999		1.323E+02	999	
1	3.771E-01	999		3.771E-01	0		2.988E+02	999		2.988E+02	999	
2	3.672E-01	0		3.672E-01	999		3.334E+02	999		3.334E+02	999	
3	3.574E-01	999		3.574E-01	0		3.683E+02	999		3.683E+02	999	
4	3.476E-01	0		3.476E-01	999		4.034E+02	999		4.034E+02	999	
5	3.379E-01	0		3.379E-01	999		4.388E+02	999		4.388E+02	999	
6	3.282E-01	999		3.282E-01	0		4.744E+02	999		4.744E+02	999	
7	3.186E-01	999		3.186E-01	0		5.103E+02	999		5.103E+02	999	
8	3.090E-01	0		3.090E-01	999		5.464E+02	999		5.464E+02	999	
9	2.995E-01	0		2.995E-01	999		5.827E+02	999		5.827E+02	999	
10	2.901E-01	999		2.901E-01	0		6.193E+02	999		6.193E+02	999	
11	2.807E-01	0		2.807E-01	999		6.560E+02	999		6.560E+02	999	
12	2.714E-01	0		2.714E-01	999		6.930E+02	999		6.930E+02	999	
13	2.622E-01	999		2.622E-01	0		7.302E+02	999		7.302E+02	999	
14	2.531E-01	0		2.531E-01	999		7.677E+02	999		7.677E+02	999	
15	2.441E-01	0		2.441E-01	999		8.053E+02	999		8.053E+02	999	
16	2.351E-01	0		2.351E-01	999		8.431E+02	999		8.431E+02	999	
17	2.263E-01	999		2.263E-01	0		8.810E+02	999		8.810E+02	999	
18	2.176E-01	999		2.176E-01	0		9.192E+02	999		9.192E+02	999	
19	2.089E-01	999		2.089E-01	0		9.575E+02	999		9.575E+02	999	
20	2.004E-01	0		2.004E-01	999		9.960E+02	999		9.960E+02	999	
21	1.920E-01	0		1.920E-01	999		1.035E+03	999		1.035E+03	999	
22	1.838E-01	0		1.838E-01	999		1.074E+03	999		1.074E+03	999	
23	1.756E-01	0		1.756E-01	999		1.112E+03	999		1.112E+03	999	
24	1.676E-01	0		1.676E-01	999		1.152E+03	999		1.152E+03	999	
25	1.597E-01	999		1.597E-01	0		1.191E+03	999		1.191E+03	999	
26	1.520E-01	0		1.520E-01	999		1.230E+03	999		1.230E+03	999	
27	1.444E-01	999		1.444E-01	0		1.270E+03	999		1.270E+03	999	
28	1.370E-01	0		1.370E-01	999		1.309E+03	999		1.309E+03	999	
29	1.297E-01	0		1.297E-01	999		1.349E+03	999		1.349E+03	999	
30	1.225E-01	999		1.225E-01	0		1.389E+03	999		1.389E+03	999	
31	1.156E-01	999		1.156E-01	0		1.429E+03	999		1.429E+03	999	
32	1.088E-01	999		1.088E-01	0		1.469E+03	999		1.469E+03	999	
33	1.022E-01	999		1.022E-01	0		1.509E+03	999		1.509E+03	999	
34	9.571E-02	999		9.571E-02	0		1.549E+03	999		1.549E+03	999	
35	8.944E-02	999		8.944E-02	0		1.590E+03	999		1.590E+03	999	
36	8.337E-02	0		8.337E-02	999		1.630E+03	999		1.630E+03	999	
37	7.748E-02	0		7.748E-02	999		1.670E+03	999		1.670E+03	999	
38	7.179E-02	999		7.179E-02	0		1.711E+03	999		1.711E+03	999	
39	6.630E-02	999		6.630E-02	0		1.751E+03	999		1.751E+03	999	
40	6.102E-02	0		6.102E-02	999		1.792E+03	999		1.792E+03	999	
41	5.595E-02	999		5.595E-02	0		1.833E+03	999		1.833E+03	999	
42	5.109E-02	0		5.109E-02	999		1.873E+03	999		1.873E+03	999	
43	4.646E-02	999		4.646E-02	0		1.914E+03	999		1.914E+03	999	
44	4.205E-02	999		4.205E-02	0		1.955E+03	999		1.955E+03	999	
45	3.787E-02	999		3.787E-02	0		1.995E+03	999		1.995E+03	999	
46	3.392E-02	0		3.392E-02	999		2.036E+03	999		2.036E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.021E-02	999		3.021E-02	0		2.077E+03	999		2.077E+03	999	
48	2.675E-02	999		2.675E-02	0		2.117E+03	999		2.117E+03	999	
49	2.354E-02	999		2.354E-02	0		2.158E+03	999		2.158E+03	999	
50	2.058E-02	0		2.058E-02	999		2.199E+03	999		2.199E+03	999	
51	1.784E-02	0		1.784E-02	999		2.239E+03	999		2.239E+03	999	
52	1.528E-02	999		1.528E-02	0		2.280E+03	999		2.280E+03	999	
53	1.290E-02	999		1.290E-02	0		2.320E+03	999		2.320E+03	999	
54	1.071E-02	0		1.071E-02	999		2.359E+03	999		2.359E+03	999	
55	8.721E-03	999		8.721E-03	0		2.399E+03	999		2.399E+03	999	
56	6.924E-03	999		6.924E-03	0		2.438E+03	999		2.438E+03	999	
57	5.327E-03	0		5.327E-03	999		2.477E+03	999		2.477E+03	999	
58	3.933E-03	999		3.933E-03	0		2.516E+03	999		2.516E+03	999	
59	2.744E-03	999		2.744E-03	0		2.554E+03	999		2.554E+03	999	
60	1.765E-03	0		1.765E-03	999		2.593E+03	999		2.593E+03	999	
61	9.978E-04	0		9.978E-04	999		2.631E+03	999		2.631E+03	999	
62	4.458E-04	0		4.458E-04	999		2.668E+03	999		2.668E+03	999	
63	1.122E-04	999		1.122E-04	0		2.706E+03	999		2.706E+03	999	
64	0.000E+00	999		0.000E+00	999		1.371E+03	999		1.371E+03	999	
65	1.122E-04	999		1.122E-04	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.323E+02 999	1.323E+02 999	-1.944E+00 999	-1.944E+00 999
1	1.535E+02 999	1.535E+02 999	0.000E+00 999	0.000E+00 999
2	2.153E+01 999	2.153E+01 999	0.000E+00 999	0.000E+00 999
3	2.185E+01 999	2.185E+01 999	0.000E+00 999	0.000E+00 999
4	2.217E+01 999	2.217E+01 999	0.000E+00 999	0.000E+00 999
5	2.248E+01 999	2.248E+01 999	0.000E+00 999	0.000E+00 999
6	2.280E+01 999	2.280E+01 999	0.000E+00 999	0.000E+00 999
7	2.312E+01 999	2.312E+01 999	0.000E+00 999	0.000E+00 999
8	2.343E+01 999	2.343E+01 999	0.000E+00 999	0.000E+00 999
9	2.375E+01 999	2.375E+01 999	0.000E+00 999	0.000E+00 999
10	2.407E+01 999	2.407E+01 999	0.000E+00 999	0.000E+00 999
11	2.438E+01 999	2.438E+01 999	0.000E+00 999	0.000E+00 999
12	2.470E+01 999	2.470E+01 999	0.000E+00 999	0.000E+00 999
13	2.502E+01 999	2.502E+01 999	0.000E+00 999	0.000E+00 999
14	2.534E+01 999	2.534E+01 999	0.000E+00 999	0.000E+00 999
15	2.565E+01 999	2.565E+01 999	0.000E+00 999	0.000E+00 999
16	2.597E+01 999	2.597E+01 999	0.000E+00 999	0.000E+00 999
17	2.629E+01 999	2.629E+01 999	0.000E+00 999	0.000E+00 999
18	2.660E+01 999	2.660E+01 999	0.000E+00 999	0.000E+00 999
19	2.692E+01 999	2.692E+01 999	0.000E+00 999	0.000E+00 999
20	2.724E+01 999	2.724E+01 999	0.000E+00 999	0.000E+00 999
21	2.755E+01 999	2.755E+01 999	0.000E+00 999	0.000E+00 999
22	2.787E+01 999	2.787E+01 999	0.000E+00 999	0.000E+00 999
23	2.819E+01 999	2.819E+01 999	0.000E+00 999	0.000E+00 999
24	2.851E+01 999	2.851E+01 999	0.000E+00 999	0.000E+00 999
25	2.882E+01 999	2.882E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.914E+01 999	2.914E+01 999	0.000E+00 999	0.000E+00 999
27	2.946E+01 999	2.946E+01 999	0.000E+00 999	0.000E+00 999
28	2.977E+01 999	2.977E+01 999	0.000E+00 999	0.000E+00 999
29	3.009E+01 999	3.009E+01 999	0.000E+00 999	0.000E+00 999
30	3.041E+01 999	3.041E+01 999	0.000E+00 999	0.000E+00 999
31	3.072E+01 999	3.072E+01 999	0.000E+00 999	0.000E+00 999
32	3.104E+01 999	3.104E+01 999	0.000E+00 999	0.000E+00 999
33	3.136E+01 999	3.136E+01 999	0.000E+00 999	0.000E+00 999
34	3.168E+01 999	3.168E+01 999	0.000E+00 999	0.000E+00 999
35	3.199E+01 999	3.199E+01 999	0.000E+00 999	0.000E+00 999
36	3.231E+01 999	3.231E+01 999	0.000E+00 999	0.000E+00 999
37	3.263E+01 999	3.263E+01 999	0.000E+00 999	0.000E+00 999
38	3.294E+01 999	3.294E+01 999	0.000E+00 999	0.000E+00 999
39	3.326E+01 999	3.326E+01 999	0.000E+00 999	0.000E+00 999
40	3.358E+01 999	3.358E+01 999	0.000E+00 999	0.000E+00 999
41	3.389E+01 999	3.389E+01 999	0.000E+00 999	0.000E+00 999
42	3.421E+01 999	3.421E+01 999	0.000E+00 999	0.000E+00 999
43	3.453E+01 999	3.453E+01 999	0.000E+00 999	0.000E+00 999
44	3.485E+01 999	3.485E+01 999	0.000E+00 999	0.000E+00 999
45	3.516E+01 999	3.516E+01 999	0.000E+00 999	0.000E+00 999
46	3.548E+01 999	3.548E+01 999	0.000E+00 999	0.000E+00 999
47	3.580E+01 999	3.580E+01 999	0.000E+00 999	0.000E+00 999
48	3.611E+01 999	3.611E+01 999	0.000E+00 999	0.000E+00 999
49	3.643E+01 999	3.643E+01 999	0.000E+00 999	0.000E+00 999
50	3.675E+01 999	3.675E+01 999	0.000E+00 999	0.000E+00 999
51	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
53	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
54	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
55	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
56	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
57	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
58	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
59	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
60	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
61	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
62	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
63	3.691E+01 999	3.691E+01 999	0.000E+00 999	0.000E+00 999
64	-1.334E+03 999	-1.334E+03 999	-3.691E+01 999	-3.691E+01 999
65	-1.371E+03 999	-1.371E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 18 Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	4.140E+01	0.000E+00	2.802E+02	0.000E+00	-1.324E+03	
0	50	0	3.398E+07	1.580E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
 18            Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	6.947E-02		0.000E+00		0.000E+00
			-2.119E-03		1.401E+02	
0	0.000E+00	6.736E-02		1.401E+02		0.000E+00
			-2.111E-03		1.816E+02	
1	1.000E+00	6.524E-02		3.245E+02		0.000E+00
			-2.101E-03		4.164E+01	
2	2.000E+00	6.314E-02		3.689E+02		0.000E+00
			-2.090E-03		4.179E+01	
3	3.000E+00	6.105E-02		4.135E+02		0.000E+00
			-2.078E-03		4.195E+01	
4	4.000E+00	5.898E-02		4.582E+02		0.000E+00
			-2.065E-03		4.211E+01	
5	5.000E+00	5.691E-02		5.030E+02		0.000E+00
			-2.050E-03		4.227E+01	
6	6.000E+00	5.486E-02		5.480E+02		0.000E+00
			-2.034E-03		4.243E+01	
7	7.000E+00	5.283E-02		5.931E+02		0.000E+00
			-2.016E-03		4.259E+01	
8	8.000E+00	5.081E-02		6.384E+02		0.000E+00
			-1.998E-03		4.274E+01	
9	9.000E+00	4.881E-02		6.837E+02		0.000E+00
			-1.977E-03		4.290E+01	
10	1.000E+01	4.684E-02		7.293E+02		0.000E+00
			-1.956E-03		4.306E+01	
11	1.100E+01	4.488E-02		7.749E+02		0.000E+00
			-1.933E-03		4.322E+01	
12	1.200E+01	4.295E-02		8.207E+02		0.000E+00
			-1.909E-03		4.337E+01	
13	1.300E+01	4.104E-02		8.666E+02		0.000E+00
			-1.883E-03		4.353E+01	
14	1.400E+01	3.915E-02		9.126E+02		0.000E+00
			-1.857E-03		4.369E+01	
15	1.500E+01	3.730E-02		9.588E+02		0.000E+00
			-1.828E-03		4.385E+01	
16	1.600E+01	3.547E-02		1.005E+03		0.000E+00
			-1.799E-03		4.401E+01	
17	1.700E+01	3.367E-02		1.051E+03		0.000E+00
			-1.768E-03		4.417E+01	
18	1.800E+01	3.190E-02		1.098E+03		0.000E+00
			-1.736E-03		4.432E+01	
19	1.900E+01	3.017E-02		1.145E+03		0.000E+00
			-1.702E-03		4.448E+01	
20	2.000E+01	2.846E-02		1.191E+03		0.000E+00
			-1.667E-03		4.464E+01	
21	2.100E+01	2.680E-02		1.238E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	2.517E-02	-1.630E-03	1.285E+03	4.480E+01	0.000E+00
23	2.300E+01	2.358E-02	-1.593E-03	1.332E+03	4.496E+01	0.000E+00
24	2.400E+01	2.202E-02	-1.553E-03	1.379E+03	4.511E+01	0.000E+00
25	2.500E+01	2.051E-02	-1.513E-03	1.427E+03	4.527E+01	0.000E+00
26	2.600E+01	1.904E-02	-1.471E-03	1.474E+03	4.543E+01	0.000E+00
27	2.700E+01	1.761E-02	-1.427E-03	1.521E+03	4.559E+01	0.000E+00
28	2.800E+01	1.623E-02	-1.383E-03	1.569E+03	4.574E+01	0.000E+00
29	2.900E+01	1.489E-02	-1.336E-03	1.617E+03	4.590E+01	0.000E+00
30	3.000E+01	1.360E-02	-1.289E-03	1.664E+03	4.606E+01	0.000E+00
31	3.100E+01	1.236E-02	-1.240E-03	1.712E+03	4.622E+01	0.000E+00
32	3.200E+01	1.117E-02	-1.190E-03	1.760E+03	4.638E+01	0.000E+00
33	3.300E+01	1.004E-02	-1.138E-03	1.808E+03	4.654E+01	0.000E+00
34	3.400E+01	8.951E-03	-1.084E-03	1.856E+03	4.669E+01	0.000E+00
35	3.500E+01	7.921E-03	-1.030E-03	1.905E+03	4.685E+01	0.000E+00
36	3.600E+01	6.948E-03	-9.738E-04	1.953E+03	4.701E+01	0.000E+00
37	3.700E+01	6.031E-03	-9.163E-04	2.001E+03	4.717E+01	0.000E+00
38	3.800E+01	5.174E-03	-8.574E-04	2.050E+03	4.733E+01	0.000E+00
39	3.900E+01	4.377E-03	-7.971E-04	2.098E+03	4.748E+01	0.000E+00
40	4.000E+01	3.641E-03	-7.354E-04	2.147E+03	4.764E+01	0.000E+00
41	4.100E+01	2.969E-03	-6.722E-04	2.196E+03	4.780E+01	0.000E+00
42	4.200E+01	2.362E-03	-6.076E-04	2.244E+03	4.796E+01	0.000E+00
43	4.300E+01	1.820E-03	-5.415E-04	2.293E+03	4.812E+01	0.000E+00
44	4.400E+01	1.346E-03	-4.740E-04	2.342E+03	4.827E+01	0.000E+00
45	4.500E+01	9.410E-04	-4.051E-04	2.391E+03	4.843E+01	0.000E+00
46	4.600E+01	6.063E-04	-3.347E-04	2.440E+03	4.859E+01	0.000E+00
47	4.700E+01	3.434E-04	-2.629E-04	2.489E+03	4.875E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	1.538E-04	-1.897E-04	2.538E+03	4.891E+01	0.000E+00
49	4.900E+01	3.880E-05	-1.150E-04	2.588E+03	4.906E+01	0.000E+00
50	5.000E+01	0.000E+00	-3.880E-05	1.318E+03	-1.269E+03	-4.930E+01
51	5.100E+01	3.880E-05	3.880E-05	0.000E+00	-1.318E+03	0.000E+00

PROB (CONTD)

18 Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	6.947E-02	999		6.947E-02	0		0.000E+00	999		0.000E+00	999	
0	6.736E-02	999		6.736E-02	0		1.401E+02	999		1.401E+02	999	
1	6.524E-02	0		6.524E-02	999		3.245E+02	999		3.245E+02	999	
2	6.314E-02	999		6.314E-02	0		3.689E+02	999		3.689E+02	999	
3	6.105E-02	0		6.105E-02	999		4.135E+02	999		4.135E+02	999	
4	5.898E-02	0		5.898E-02	999		4.582E+02	999		4.582E+02	999	
5	5.691E-02	999		5.691E-02	0		5.030E+02	999		5.030E+02	999	
6	5.486E-02	999		5.486E-02	0		5.480E+02	999		5.480E+02	999	
7	5.283E-02	0		5.283E-02	999		5.931E+02	999		5.931E+02	999	
8	5.081E-02	999		5.081E-02	0		6.384E+02	999		6.384E+02	999	
9	4.881E-02	0		4.881E-02	999		6.837E+02	999		6.837E+02	999	
10	4.684E-02	0		4.684E-02	999		7.293E+02	999		7.293E+02	999	
11	4.488E-02	0		4.488E-02	999		7.749E+02	999		7.749E+02	999	
12	4.295E-02	999		4.295E-02	0		8.207E+02	999		8.207E+02	999	
13	4.104E-02	0		4.104E-02	999		8.666E+02	999		8.666E+02	999	
14	3.915E-02	0		3.915E-02	999		9.126E+02	999		9.126E+02	999	
15	3.730E-02	999		3.730E-02	0		9.588E+02	999		9.588E+02	999	
16	3.547E-02	0		3.547E-02	999		1.005E+03	999		1.005E+03	999	
17	3.367E-02	999		3.367E-02	0		1.051E+03	999		1.051E+03	999	
18	3.190E-02	0		3.190E-02	999		1.098E+03	999		1.098E+03	999	
19	3.017E-02	0		3.017E-02	999		1.145E+03	999		1.145E+03	999	
20	2.846E-02	0		2.846E-02	999		1.191E+03	999		1.191E+03	999	
21	2.680E-02	999		2.680E-02	0		1.238E+03	999		1.238E+03	999	
22	2.517E-02	0		2.517E-02	999		1.285E+03	999		1.285E+03	999	
23	2.358E-02	999		2.358E-02	0		1.332E+03	999		1.332E+03	999	
24	2.202E-02	999		2.202E-02	0		1.379E+03	999		1.379E+03	999	
25	2.051E-02	0		2.051E-02	999		1.427E+03	999		1.427E+03	999	
26	1.904E-02	999		1.904E-02	0		1.474E+03	999		1.474E+03	999	
27	1.761E-02	999		1.761E-02	0		1.521E+03	999		1.521E+03	999	
28	1.623E-02	999		1.623E-02	0		1.569E+03	999		1.569E+03	999	
29	1.489E-02	999		1.489E-02	0		1.617E+03	999		1.617E+03	999	
30	1.360E-02	999		1.360E-02	0		1.664E+03	999		1.664E+03	999	
31	1.236E-02	0		1.236E-02	999		1.712E+03	999		1.712E+03	999	
32	1.117E-02	999		1.117E-02	0		1.760E+03	999		1.760E+03	999	
33	1.004E-02	0		1.004E-02	999		1.808E+03	999		1.808E+03	999	
34	8.951E-03	999		8.951E-03	0		1.856E+03	999		1.856E+03	999	
35	7.921E-03	0		7.921E-03	999		1.905E+03	999		1.905E+03	999	
36	6.948E-03	999		6.948E-03	0		1.953E+03	999		1.953E+03	999	
37	6.031E-03	0		6.031E-03	999		2.001E+03	999		2.001E+03	999	
38	5.174E-03	0		5.174E-03	999		2.050E+03	999		2.050E+03	999	
39	4.377E-03	0		4.377E-03	999		2.098E+03	999		2.098E+03	999	
40	3.641E-03	999		3.641E-03	0		2.147E+03	999		2.147E+03	999	
41	2.969E-03	999		2.969E-03	0		2.196E+03	999		2.196E+03	999	
42	2.362E-03	999		2.362E-03	0		2.244E+03	999		2.244E+03	999	
43	1.820E-03	999		1.820E-03	0		2.293E+03	999		2.293E+03	999	
44	1.346E-03	999		1.346E-03	0		2.342E+03	999		2.342E+03	999	
45	9.410E-04	999		9.410E-04	0		2.391E+03	999		2.391E+03	999	
46	6.063E-04	999		6.063E-04	0		2.440E+03	999		2.440E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.434E-04		999	3.434E-04		0	2.489E+03		999	2.489E+03		999
48	1.538E-04		0	1.538E-04		999	2.538E+03		999	2.538E+03		999
49	3.880E-05		0	3.880E-05		999	2.588E+03		999	2.588E+03		999
50	0.000E+00		999	0.000E+00		999	1.318E+03		999	1.318E+03		999
51	3.880E-05		0	3.880E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.401E+02 999	1.401E+02 999	0.000E+00 999	0.000E+00 999
1	1.816E+02 999	1.816E+02 999	0.000E+00 999	0.000E+00 999
2	4.164E+01 999	4.164E+01 999	0.000E+00 999	0.000E+00 999
3	4.179E+01 999	4.179E+01 999	0.000E+00 999	0.000E+00 999
4	4.195E+01 999	4.195E+01 999	0.000E+00 999	0.000E+00 999
5	4.211E+01 999	4.211E+01 999	0.000E+00 999	0.000E+00 999
6	4.227E+01 999	4.227E+01 999	0.000E+00 999	0.000E+00 999
7	4.243E+01 999	4.243E+01 999	0.000E+00 999	0.000E+00 999
8	4.259E+01 999	4.259E+01 999	0.000E+00 999	0.000E+00 999
9	4.274E+01 999	4.274E+01 999	0.000E+00 999	0.000E+00 999
10	4.290E+01 999	4.290E+01 999	0.000E+00 999	0.000E+00 999
11	4.306E+01 999	4.306E+01 999	0.000E+00 999	0.000E+00 999
12	4.322E+01 999	4.322E+01 999	0.000E+00 999	0.000E+00 999
13	4.337E+01 999	4.337E+01 999	0.000E+00 999	0.000E+00 999
14	4.353E+01 999	4.353E+01 999	0.000E+00 999	0.000E+00 999
15	4.369E+01 999	4.369E+01 999	0.000E+00 999	0.000E+00 999
16	4.385E+01 999	4.385E+01 999	0.000E+00 999	0.000E+00 999
17	4.401E+01 999	4.401E+01 999	0.000E+00 999	0.000E+00 999
18	4.417E+01 999	4.417E+01 999	0.000E+00 999	0.000E+00 999
19	4.432E+01 999	4.432E+01 999	0.000E+00 999	0.000E+00 999
20	4.448E+01 999	4.448E+01 999	0.000E+00 999	0.000E+00 999
21	4.464E+01 999	4.464E+01 999	0.000E+00 999	0.000E+00 999
22	4.480E+01 999	4.480E+01 999	0.000E+00 999	0.000E+00 999
23	4.496E+01 999	4.496E+01 999	0.000E+00 999	0.000E+00 999
24	4.511E+01 999	4.511E+01 999	0.000E+00 999	0.000E+00 999
25	4.527E+01 999	4.527E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	4.543E+01 999	4.543E+01 999	0.000E+00 999	0.000E+00 999
27	4.559E+01 999	4.559E+01 999	0.000E+00 999	0.000E+00 999
28	4.574E+01 999	4.574E+01 999	0.000E+00 999	0.000E+00 999
29	4.590E+01 999	4.590E+01 999	0.000E+00 999	0.000E+00 999
30	4.606E+01 999	4.606E+01 999	0.000E+00 999	0.000E+00 999
31	4.622E+01 999	4.622E+01 999	0.000E+00 999	0.000E+00 999
32	4.638E+01 999	4.638E+01 999	0.000E+00 999	0.000E+00 999
33	4.654E+01 999	4.654E+01 999	0.000E+00 999	0.000E+00 999
34	4.669E+01 999	4.669E+01 999	0.000E+00 999	0.000E+00 999
35	4.685E+01 999	4.685E+01 999	0.000E+00 999	0.000E+00 999
36	4.701E+01 999	4.701E+01 999	0.000E+00 999	0.000E+00 999
37	4.717E+01 999	4.717E+01 999	0.000E+00 999	0.000E+00 999
38	4.733E+01 999	4.733E+01 999	0.000E+00 999	0.000E+00 999
39	4.748E+01 999	4.748E+01 999	0.000E+00 999	0.000E+00 999
40	4.764E+01 999	4.764E+01 999	0.000E+00 999	0.000E+00 999
41	4.780E+01 999	4.780E+01 999	0.000E+00 999	0.000E+00 999
42	4.796E+01 999	4.796E+01 999	0.000E+00 999	0.000E+00 999
43	4.812E+01 999	4.812E+01 999	0.000E+00 999	0.000E+00 999
44	4.827E+01 999	4.827E+01 999	0.000E+00 999	0.000E+00 999
45	4.843E+01 999	4.843E+01 999	0.000E+00 999	0.000E+00 999
46	4.859E+01 999	4.859E+01 999	0.000E+00 999	0.000E+00 999
47	4.875E+01 999	4.875E+01 999	0.000E+00 999	0.000E+00 999
48	4.891E+01 999	4.891E+01 999	0.000E+00 999	0.000E+00 999
49	4.906E+01 999	4.906E+01 999	0.000E+00 999	0.000E+00 999
50	-1.269E+03 999	-1.269E+03 999	-4.930E+01 999	-4.930E+01 999
51	-1.318E+03 999	-1.318E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0	
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.750E+01	0.000E+00	2.907E+02	0.000E+00	-1.324E+03
0	50	0	8.496E+06	3.880E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.324E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
19        Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.969E-01		0.000E+00		0.000E+00
			-9.941E-03		1.454E+02	
0	0.000E+00	3.870E-01		1.454E+02		-8.704E+00
			-9.907E-03		1.643E+02	
1	1.000E+00	3.771E-01		3.228E+02		0.000E+00
			-9.869E-03		1.938E+01	
2	2.000E+00	3.672E-01		3.553E+02		0.000E+00
			-9.827E-03		1.977E+01	
3	3.000E+00	3.574E-01		3.880E+02		0.000E+00
			-9.782E-03		2.015E+01	
4	4.000E+00	3.476E-01		4.211E+02		0.000E+00
			-9.732E-03		2.054E+01	
5	5.000E+00	3.379E-01		4.546E+02		0.000E+00
			-9.679E-03		2.093E+01	
6	6.000E+00	3.282E-01		4.883E+02		0.000E+00
			-9.621E-03		2.132E+01	
7	7.000E+00	3.186E-01		5.224E+02		0.000E+00
			-9.560E-03		2.171E+01	
8	8.000E+00	3.090E-01		5.567E+02		0.000E+00
			-9.494E-03		2.209E+01	
9	9.000E+00	2.995E-01		5.914E+02		0.000E+00
			-9.424E-03		2.248E+01	
10	1.000E+01	2.901E-01		6.264E+02		0.000E+00
			-9.351E-03		2.287E+01	
11	1.100E+01	2.808E-01		6.616E+02		0.000E+00
			-9.273E-03		2.326E+01	
12	1.200E+01	2.715E-01		6.971E+02		0.000E+00
			-9.191E-03		2.365E+01	
13	1.300E+01	2.623E-01		7.330E+02		0.000E+00
			-9.105E-03		2.403E+01	
14	1.400E+01	2.532E-01		7.690E+02		0.000E+00
			-9.014E-03		2.442E+01	
15	1.500E+01	2.442E-01		8.054E+02		0.000E+00
			-8.919E-03		2.481E+01	
16	1.600E+01	2.353E-01		8.420E+02		0.000E+00
			-8.820E-03		2.520E+01	
17	1.700E+01	2.264E-01		8.789E+02		0.000E+00
			-8.717E-03		2.559E+01	
18	1.800E+01	2.177E-01		9.160E+02		0.000E+00
			-8.609E-03		2.597E+01	
19	1.900E+01	2.091E-01		9.534E+02		0.000E+00
			-8.497E-03		2.636E+01	
20	2.000E+01	2.006E-01		9.910E+02		0.000E+00
			-8.380E-03		2.675E+01	
21	2.100E+01	1.922E-01		1.029E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.840E-01	-8.259E-03	1.067E+03	2.714E+01	0.000E+00
23	2.300E+01	1.758E-01	-8.133E-03	1.105E+03	2.753E+01	0.000E+00
24	2.400E+01	1.678E-01	-8.003E-03	1.144E+03	2.791E+01	0.000E+00
25	2.500E+01	1.600E-01	-7.869E-03	1.182E+03	2.830E+01	0.000E+00
26	2.600E+01	1.522E-01	-7.729E-03	1.221E+03	2.869E+01	0.000E+00
27	2.700E+01	1.447E-01	-7.586E-03	1.260E+03	2.908E+01	0.000E+00
28	2.800E+01	1.372E-01	-7.437E-03	1.299E+03	2.947E+01	0.000E+00
29	2.900E+01	1.299E-01	-7.284E-03	1.339E+03	2.985E+01	0.000E+00
30	3.000E+01	1.228E-01	-7.127E-03	1.379E+03	3.024E+01	0.000E+00
31	3.100E+01	1.158E-01	-6.964E-03	1.419E+03	3.063E+01	0.000E+00
32	3.200E+01	1.090E-01	-6.797E-03	1.459E+03	3.102E+01	0.000E+00
33	3.300E+01	1.024E-01	-6.626E-03	1.499E+03	3.141E+01	0.000E+00
34	3.400E+01	9.597E-02	-6.449E-03	1.539E+03	3.179E+01	0.000E+00
35	3.500E+01	8.970E-02	-6.268E-03	1.580E+03	3.218E+01	0.000E+00
36	3.600E+01	8.362E-02	-6.082E-03	1.620E+03	3.257E+01	0.000E+00
37	3.700E+01	7.773E-02	-5.891E-03	1.661E+03	3.296E+01	0.000E+00
38	3.800E+01	7.203E-02	-5.696E-03	1.702E+03	3.335E+01	0.000E+00
39	3.900E+01	6.653E-02	-5.495E-03	1.743E+03	3.373E+01	0.000E+00
40	4.000E+01	6.124E-02	-5.290E-03	1.784E+03	3.412E+01	0.000E+00
41	4.100E+01	5.616E-02	-5.080E-03	1.825E+03	3.451E+01	0.000E+00
42	4.200E+01	5.130E-02	-4.865E-03	1.867E+03	3.490E+01	0.000E+00
43	4.300E+01	4.665E-02	-4.646E-03	1.908E+03	3.529E+01	0.000E+00
44	4.400E+01	4.223E-02	-4.421E-03	1.950E+03	3.567E+01	0.000E+00
45	4.500E+01	3.804E-02	-4.192E-03	1.991E+03	3.606E+01	0.000E+00
46	4.600E+01	3.408E-02	-3.957E-03	2.033E+03	3.645E+01	0.000E+00
47	4.700E+01	3.036E-02	-3.718E-03	2.075E+03	3.684E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.689E-02	-3.474E-03	2.117E+03	3.723E+01	0.000E+00
49	4.900E+01	2.367E-02	-3.225E-03	2.159E+03	3.761E+01	0.000E+00
50	5.000E+01	2.070E-02	-2.970E-03	2.201E+03	3.800E+01	0.000E+00
51	5.100E+01	1.794E-02	-2.758E-03	2.242E+03	3.820E+01	0.000E+00
52	5.200E+01	1.536E-02	-2.575E-03	2.284E+03	3.820E+01	0.000E+00
53	5.300E+01	1.298E-02	-2.388E-03	2.325E+03	3.820E+01	0.000E+00
54	5.400E+01	1.078E-02	-2.197E-03	2.366E+03	3.820E+01	0.000E+00
55	5.500E+01	8.775E-03	-2.004E-03	2.407E+03	3.820E+01	0.000E+00
56	5.600E+01	6.968E-03	-1.807E-03	2.448E+03	3.820E+01	0.000E+00
57	5.700E+01	5.361E-03	-1.606E-03	2.488E+03	3.820E+01	0.000E+00
58	5.800E+01	3.959E-03	-1.403E-03	2.528E+03	3.820E+01	0.000E+00
59	5.900E+01	2.763E-03	-1.196E-03	2.568E+03	3.820E+01	0.000E+00
60	6.000E+01	1.777E-03	-9.857E-04	2.608E+03	3.820E+01	0.000E+00
61	6.100E+01	1.005E-03	-7.723E-04	2.647E+03	3.820E+01	0.000E+00
62	6.200E+01	4.490E-04	-5.558E-04	2.686E+03	3.820E+01	0.000E+00
63	6.300E+01	1.130E-04	-3.360E-04	2.724E+03	3.820E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.130E-04	1.381E+03	-1.343E+03	-3.820E+01
65	6.500E+01	1.130E-04	1.130E-04	0.000E+00	-1.381E+03	0.000E+00

PROB (CONTD)

19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.969E-01		0	3.969E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	1.454E+02		999	1.454E+02		999
1	3.771E-01		999	3.771E-01		0	3.228E+02		999	3.228E+02		999
2	3.672E-01		0	3.672E-01		999	3.553E+02		999	3.553E+02		999
3	3.574E-01		999	3.574E-01		0	3.880E+02		999	3.880E+02		999
4	3.476E-01		0	3.476E-01		999	4.211E+02		999	4.211E+02		999
5	3.379E-01		999	3.379E-01		0	4.546E+02		999	4.546E+02		999
6	3.282E-01		0	3.282E-01		999	4.883E+02		999	4.883E+02		999
7	3.186E-01		0	3.186E-01		999	5.224E+02		999	5.224E+02		999
8	3.090E-01		999	3.090E-01		0	5.567E+02		999	5.567E+02		999
9	2.995E-01		999	2.995E-01		0	5.914E+02		999	5.914E+02		999
10	2.901E-01		0	2.901E-01		999	6.264E+02		999	6.264E+02		999
11	2.808E-01		999	2.808E-01		0	6.616E+02		999	6.616E+02		999
12	2.715E-01		0	2.715E-01		999	6.971E+02		999	6.971E+02		999
13	2.623E-01		999	2.623E-01		0	7.330E+02		999	7.330E+02		999
14	2.532E-01		0	2.532E-01		999	7.690E+02		999	7.690E+02		999
15	2.442E-01		0	2.442E-01		999	8.054E+02		999	8.054E+02		999
16	2.353E-01		0	2.353E-01		999	8.420E+02		999	8.420E+02		999
17	2.264E-01		0	2.264E-01		999	8.789E+02		999	8.789E+02		999
18	2.177E-01		999	2.177E-01		0	9.160E+02		999	9.160E+02		999
19	2.091E-01		999	2.091E-01		0	9.534E+02		999	9.534E+02		999
20	2.006E-01		999	2.006E-01		0	9.910E+02		999	9.910E+02		999
21	1.922E-01		0	1.922E-01		999	1.029E+03		999	1.029E+03		999
22	1.840E-01		0	1.840E-01		999	1.067E+03		999	1.067E+03		999
23	1.758E-01		0	1.758E-01		999	1.105E+03		999	1.105E+03		999
24	1.678E-01		0	1.678E-01		999	1.144E+03		999	1.144E+03		999
25	1.600E-01		0	1.600E-01		999	1.182E+03		999	1.182E+03		999
26	1.522E-01		0	1.522E-01		999	1.221E+03		999	1.221E+03		999
27	1.447E-01		0	1.447E-01		999	1.260E+03		999	1.260E+03		999
28	1.372E-01		0	1.372E-01		999	1.300E+03		999	1.300E+03		999
29	1.299E-01		0	1.299E-01		999	1.339E+03		999	1.339E+03		999
30	1.228E-01		999	1.228E-01		0	1.379E+03		999	1.379E+03		999
31	1.158E-01		999	1.158E-01		0	1.419E+03		999	1.419E+03		999
32	1.090E-01		999	1.090E-01		0	1.459E+03		999	1.459E+03		999
33	1.024E-01		999	1.024E-01		0	1.499E+03		999	1.499E+03		999
34	9.597E-02		999	9.597E-02		0	1.539E+03		999	1.539E+03		999
35	8.970E-02		999	8.970E-02		0	1.580E+03		999	1.580E+03		999
36	8.362E-02		999	8.362E-02		0	1.620E+03		999	1.620E+03		999
37	7.773E-02		0	7.773E-02		999	1.661E+03		999	1.661E+03		999
38	7.203E-02		0	7.203E-02		999	1.702E+03		999	1.702E+03		999
39	6.653E-02		0	6.653E-02		999	1.743E+03		999	1.743E+03		999
40	6.124E-02		999	6.124E-02		0	1.784E+03		999	1.784E+03		999
41	5.616E-02		999	5.616E-02		0	1.825E+03		999	1.825E+03		999
42	5.130E-02		0	5.130E-02		999	1.867E+03		999	1.867E+03		999
43	4.665E-02		999	4.665E-02		0	1.908E+03		999	1.908E+03		999
44	4.223E-02		0	4.223E-02		999	1.950E+03		999	1.950E+03		999
45	3.804E-02		0	3.804E-02		999	1.991E+03		999	1.991E+03		999
46	3.408E-02		999	3.408E-02		0	2.033E+03		999	2.033E+03		999



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	3.036E-02		0	3.036E-02		999	2.075E+03		999	2.075E+03		999
48	2.689E-02		0	2.689E-02		999	2.117E+03		999	2.117E+03		999
49	2.367E-02		0	2.367E-02		999	2.159E+03		999	2.159E+03		999
50	2.070E-02		0	2.070E-02		999	2.201E+03		999	2.201E+03		999
51	1.794E-02		0	1.794E-02		999	2.242E+03		999	2.242E+03		999
52	1.536E-02		999	1.536E-02		0	2.284E+03		999	2.284E+03		999
53	1.298E-02		0	1.298E-02		999	2.325E+03		999	2.325E+03		999
54	1.078E-02		0	1.078E-02		999	2.366E+03		999	2.366E+03		999
55	8.775E-03		0	8.775E-03		999	2.407E+03		999	2.407E+03		999
56	6.968E-03		0	6.968E-03		999	2.448E+03		999	2.448E+03		999
57	5.361E-03		0	5.361E-03		999	2.488E+03		999	2.488E+03		999
58	3.959E-03		999	3.959E-03		0	2.528E+03		999	2.528E+03		999
59	2.763E-03		0	2.763E-03		999	2.568E+03		999	2.568E+03		999
60	1.777E-03		999	1.777E-03		0	2.608E+03		999	2.608E+03		999
61	1.005E-03		0	1.005E-03		999	2.647E+03		999	2.647E+03		999
62	4.490E-04		999	4.490E-04		0	2.686E+03		999	2.686E+03		999
63	1.130E-04		0	1.130E-04		999	2.724E+03		999	2.724E+03		999
64	0.000E+00		999	0.000E+00		999	1.381E+03		999	1.381E+03		999
65	1.130E-04		0	1.130E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	1.454E+02 999	1.454E+02 999	-8.704E+00 999	-8.704E+00 999
1	1.643E+02 999	1.643E+02 999	0.000E+00 999	0.000E+00 999
2	1.938E+01 999	1.938E+01 999	0.000E+00 999	0.000E+00 999
3	1.977E+01 999	1.977E+01 999	0.000E+00 999	0.000E+00 999
4	2.015E+01 999	2.015E+01 999	0.000E+00 999	0.000E+00 999
5	2.054E+01 999	2.054E+01 999	0.000E+00 999	0.000E+00 999
6	2.093E+01 999	2.093E+01 999	0.000E+00 999	0.000E+00 999
7	2.132E+01 999	2.132E+01 999	0.000E+00 999	0.000E+00 999
8	2.171E+01 999	2.171E+01 999	0.000E+00 999	0.000E+00 999
9	2.209E+01 999	2.209E+01 999	0.000E+00 999	0.000E+00 999
10	2.248E+01 999	2.248E+01 999	0.000E+00 999	0.000E+00 999
11	2.287E+01 999	2.287E+01 999	0.000E+00 999	0.000E+00 999
12	2.326E+01 999	2.326E+01 999	0.000E+00 999	0.000E+00 999
13	2.365E+01 999	2.365E+01 999	0.000E+00 999	0.000E+00 999
14	2.403E+01 999	2.403E+01 999	0.000E+00 999	0.000E+00 999
15	2.442E+01 999	2.442E+01 999	0.000E+00 999	0.000E+00 999
16	2.481E+01 999	2.481E+01 999	0.000E+00 999	0.000E+00 999
17	2.520E+01 999	2.520E+01 999	0.000E+00 999	0.000E+00 999
18	2.559E+01 999	2.559E+01 999	0.000E+00 999	0.000E+00 999
19	2.597E+01 999	2.597E+01 999	0.000E+00 999	0.000E+00 999
20	2.636E+01 999	2.636E+01 999	0.000E+00 999	0.000E+00 999
21	2.675E+01 999	2.675E+01 999	0.000E+00 999	0.000E+00 999
22	2.714E+01 999	2.714E+01 999	0.000E+00 999	0.000E+00 999
23	2.753E+01 999	2.753E+01 999	0.000E+00 999	0.000E+00 999
24	2.791E+01 999	2.791E+01 999	0.000E+00 999	0.000E+00 999
25	2.830E+01 999	2.830E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.869E+01 999	2.869E+01 999	0.000E+00 999	0.000E+00 999
27	2.908E+01 999	2.908E+01 999	0.000E+00 999	0.000E+00 999
28	2.947E+01 999	2.947E+01 999	0.000E+00 999	0.000E+00 999
29	2.985E+01 999	2.985E+01 999	0.000E+00 999	0.000E+00 999
30	3.024E+01 999	3.024E+01 999	0.000E+00 999	0.000E+00 999
31	3.063E+01 999	3.063E+01 999	0.000E+00 999	0.000E+00 999
32	3.102E+01 999	3.102E+01 999	0.000E+00 999	0.000E+00 999
33	3.141E+01 999	3.141E+01 999	0.000E+00 999	0.000E+00 999
34	3.179E+01 999	3.179E+01 999	0.000E+00 999	0.000E+00 999
35	3.218E+01 999	3.218E+01 999	0.000E+00 999	0.000E+00 999
36	3.257E+01 999	3.257E+01 999	0.000E+00 999	0.000E+00 999
37	3.296E+01 999	3.296E+01 999	0.000E+00 999	0.000E+00 999
38	3.335E+01 999	3.335E+01 999	0.000E+00 999	0.000E+00 999
39	3.373E+01 999	3.373E+01 999	0.000E+00 999	0.000E+00 999
40	3.412E+01 999	3.412E+01 999	0.000E+00 999	0.000E+00 999
41	3.451E+01 999	3.451E+01 999	0.000E+00 999	0.000E+00 999
42	3.490E+01 999	3.490E+01 999	0.000E+00 999	0.000E+00 999
43	3.529E+01 999	3.529E+01 999	0.000E+00 999	0.000E+00 999
44	3.567E+01 999	3.567E+01 999	0.000E+00 999	0.000E+00 999
45	3.606E+01 999	3.606E+01 999	0.000E+00 999	0.000E+00 999
46	3.645E+01 999	3.645E+01 999	0.000E+00 999	0.000E+00 999
47	3.684E+01 999	3.684E+01 999	0.000E+00 999	0.000E+00 999
48	3.723E+01 999	3.723E+01 999	0.000E+00 999	0.000E+00 999
49	3.761E+01 999	3.761E+01 999	0.000E+00 999	0.000E+00 999
50	3.800E+01 999	3.800E+01 999	0.000E+00 999	0.000E+00 999
51	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
53	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
54	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
55	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
56	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
57	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
58	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
59	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
60	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
61	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
62	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
63	3.820E+01 999	3.820E+01 999	0.000E+00 999	0.000E+00 999
64	-1.343E+03 999	-1.343E+03 999	-3.820E+01 999	-3.820E+01 999
65	-1.381E+03 999	-1.381E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	2.150E+01	0.000E+00	1.445E+02	0.000E+00	-1.324E+03	
0	50	0	3.398E+07	1.120E-01	0.000E+00	0.000E+00	0.000E+00	-1.324E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                    HIGHWAY   PD-        CONTROL-        CODED  
NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
          Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
Strength III Load Cases, fixed long. def ~ LRFD Column Design Example, Bent 2

PROB  
20        Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.677E-02		0.000E+00		0.000E+00
			-1.118E-03		7.225E+01	
0	0.000E+00	3.566E-02		7.225E+01		0.000E+00
			-1.114E-03		9.381E+01	
1	1.000E+00	3.454E-02		1.675E+02		0.000E+00
			-1.109E-03		2.167E+01	
2	2.000E+00	3.343E-02		1.907E+02		0.000E+00
			-1.103E-03		2.178E+01	
3	3.000E+00	3.233E-02		2.139E+02		0.000E+00
			-1.097E-03		2.189E+01	
4	4.000E+00	3.123E-02		2.373E+02		0.000E+00
			-1.090E-03		2.200E+01	
5	5.000E+00	3.014E-02		2.607E+02		0.000E+00
			-1.082E-03		2.212E+01	
6	6.000E+00	2.906E-02		2.842E+02		0.000E+00
			-1.074E-03		2.223E+01	
7	7.000E+00	2.799E-02		3.079E+02		0.000E+00
			-1.065E-03		2.234E+01	
8	8.000E+00	2.692E-02		3.316E+02		0.000E+00
			-1.055E-03		2.245E+01	
9	9.000E+00	2.587E-02		3.555E+02		0.000E+00
			-1.045E-03		2.256E+01	
10	1.000E+01	2.482E-02		3.794E+02		0.000E+00
			-1.034E-03		2.268E+01	
11	1.100E+01	2.379E-02		4.035E+02		0.000E+00
			-1.022E-03		2.279E+01	
12	1.200E+01	2.277E-02		4.276E+02		0.000E+00
			-1.009E-03		2.290E+01	
13	1.300E+01	2.176E-02		4.519E+02		0.000E+00
			-9.958E-04		2.301E+01	
14	1.400E+01	2.076E-02		4.762E+02		0.000E+00
			-9.818E-04		2.312E+01	
15	1.500E+01	1.978E-02		5.006E+02		0.000E+00
			-9.670E-04		2.324E+01	
16	1.600E+01	1.881E-02		5.251E+02		0.000E+00
			-9.516E-04		2.335E+01	
17	1.700E+01	1.786E-02		5.497E+02		0.000E+00
			-9.354E-04		2.346E+01	
18	1.800E+01	1.693E-02		5.744E+02		0.000E+00
			-9.185E-04		2.357E+01	
19	1.900E+01	1.601E-02		5.992E+02		0.000E+00
			-9.009E-04		2.368E+01	
20	2.000E+01	1.511E-02		6.241E+02		0.000E+00
			-8.825E-04		2.380E+01	
21	2.100E+01	1.422E-02		6.491E+02		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.336E-02	-8.634E-04	6.741E+02	2.391E+01	0.000E+00
23	2.300E+01	1.252E-02	-8.435E-04	6.993E+02	2.402E+01	0.000E+00
24	2.400E+01	1.169E-02	-8.230E-04	7.245E+02	2.413E+01	0.000E+00
25	2.500E+01	1.089E-02	-8.016E-04	7.498E+02	2.424E+01	0.000E+00
26	2.600E+01	1.011E-02	-7.796E-04	7.752E+02	2.436E+01	0.000E+00
27	2.700E+01	9.357E-03	-7.568E-04	8.006E+02	2.447E+01	0.000E+00
28	2.800E+01	8.624E-03	-7.332E-04	8.262E+02	2.458E+01	0.000E+00
29	2.900E+01	7.915E-03	-7.089E-04	8.518E+02	2.469E+01	0.000E+00
30	3.000E+01	7.231E-03	-6.838E-04	8.775E+02	2.480E+01	0.000E+00
31	3.100E+01	6.573E-03	-6.580E-04	9.033E+02	2.492E+01	0.000E+00
32	3.200E+01	5.942E-03	-6.314E-04	9.292E+02	2.503E+01	0.000E+00
33	3.300E+01	5.337E-03	-6.041E-04	9.551E+02	2.514E+01	0.000E+00
34	3.400E+01	4.761E-03	-5.760E-04	9.811E+02	2.525E+01	0.000E+00
35	3.500E+01	4.214E-03	-5.471E-04	1.007E+03	2.536E+01	0.000E+00
36	3.600E+01	3.697E-03	-5.174E-04	1.033E+03	2.548E+01	0.000E+00
37	3.700E+01	3.210E-03	-4.870E-04	1.060E+03	2.559E+01	0.000E+00
38	3.800E+01	2.754E-03	-4.558E-04	1.086E+03	2.570E+01	0.000E+00
39	3.900E+01	2.330E-03	-4.239E-04	1.112E+03	2.581E+01	0.000E+00
40	4.000E+01	1.939E-03	-3.912E-04	1.139E+03	2.592E+01	0.000E+00
41	4.100E+01	1.581E-03	-3.576E-04	1.165E+03	2.604E+01	0.000E+00
42	4.200E+01	1.258E-03	-3.234E-04	1.192E+03	2.615E+01	0.000E+00
43	4.300E+01	9.698E-04	-2.883E-04	1.218E+03	2.626E+01	0.000E+00
44	4.400E+01	7.173E-04	-2.524E-04	1.245E+03	2.637E+01	0.000E+00
45	4.500E+01	5.016E-04	-2.158E-04	1.272E+03	2.648E+01	0.000E+00
46	4.600E+01	3.232E-04	-1.783E-04	1.299E+03	2.660E+01	0.000E+00
47	4.700E+01	1.831E-04	-1.401E-04	1.326E+03	2.671E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	8.200E-05	-1.011E-04	1.353E+03	2.682E+01	0.000E+00
49	4.900E+01	2.070E-05	-6.130E-05	1.380E+03	2.693E+01	0.000E+00
50	5.000E+01	0.000E+00	-2.070E-05	7.034E+02	-6.763E+02	-2.710E+01
51	5.100E+01	2.070E-05	2.070E-05	0.000E+00	-7.034E+02	0.000E+00

PROB (CONTD)

20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.677E-02		0	3.677E-02		999	0.000E+00		999	0.000E+00		999
0	3.566E-02		0	3.566E-02		999	7.225E+01		999	7.225E+01		999
1	3.454E-02		999	3.454E-02		0	1.675E+02		999	1.675E+02		999
2	3.343E-02		999	3.343E-02		0	1.907E+02		999	1.907E+02		999
3	3.233E-02		0	3.233E-02		999	2.139E+02		999	2.139E+02		999
4	3.123E-02		0	3.123E-02		999	2.373E+02		999	2.373E+02		999
5	3.014E-02		0	3.014E-02		999	2.607E+02		999	2.607E+02		999
6	2.906E-02		999	2.906E-02		0	2.842E+02		999	2.842E+02		999
7	2.799E-02		0	2.799E-02		999	3.079E+02		999	3.079E+02		999
8	2.692E-02		0	2.692E-02		999	3.316E+02		999	3.316E+02		999
9	2.587E-02		999	2.587E-02		0	3.555E+02		999	3.555E+02		999
10	2.482E-02		0	2.482E-02		999	3.794E+02		999	3.794E+02		999
11	2.379E-02		0	2.379E-02		999	4.035E+02		999	4.035E+02		999
12	2.277E-02		0	2.277E-02		999	4.276E+02		999	4.276E+02		999
13	2.176E-02		999	2.176E-02		0	4.519E+02		999	4.519E+02		999
14	2.076E-02		0	2.076E-02		999	4.762E+02		999	4.762E+02		999
15	1.978E-02		0	1.978E-02		999	5.006E+02		999	5.006E+02		999
16	1.881E-02		0	1.881E-02		999	5.251E+02		999	5.251E+02		999
17	1.786E-02		0	1.786E-02		999	5.497E+02		999	5.497E+02		999
18	1.693E-02		999	1.693E-02		0	5.744E+02		999	5.744E+02		999
19	1.601E-02		0	1.601E-02		999	5.992E+02		999	5.992E+02		999
20	1.511E-02		0	1.511E-02		999	6.241E+02		999	6.241E+02		999
21	1.422E-02		999	1.422E-02		0	6.491E+02		999	6.491E+02		999
22	1.336E-02		0	1.336E-02		999	6.741E+02		999	6.741E+02		999
23	1.252E-02		0	1.252E-02		999	6.993E+02		999	6.993E+02		999
24	1.169E-02		999	1.169E-02		0	7.245E+02		999	7.245E+02		999
25	1.089E-02		0	1.089E-02		999	7.498E+02		999	7.498E+02		999
26	1.011E-02		999	1.011E-02		0	7.752E+02		999	7.752E+02		999
27	9.357E-03		999	9.357E-03		0	8.006E+02		999	8.006E+02		999
28	8.624E-03		0	8.624E-03		999	8.262E+02		999	8.262E+02		999
29	7.915E-03		0	7.915E-03		999	8.518E+02		999	8.518E+02		999
30	7.231E-03		999	7.231E-03		0	8.775E+02		999	8.775E+02		999
31	6.573E-03		0	6.573E-03		999	9.033E+02		999	9.033E+02		999
32	5.942E-03		999	5.942E-03		0	9.292E+02		999	9.292E+02		999
33	5.337E-03		0	5.337E-03		999	9.551E+02		999	9.551E+02		999
34	4.761E-03		999	4.761E-03		0	9.811E+02		999	9.811E+02		999
35	4.214E-03		999	4.214E-03		0	1.007E+03		999	1.007E+03		999
36	3.697E-03		999	3.697E-03		0	1.033E+03		999	1.033E+03		999
37	3.210E-03		999	3.210E-03		0	1.060E+03		999	1.060E+03		999
38	2.754E-03		0	2.754E-03		999	1.086E+03		999	1.086E+03		999
39	2.330E-03		999	2.330E-03		0	1.112E+03		999	1.112E+03		999
40	1.939E-03		0	1.939E-03		999	1.139E+03		999	1.139E+03		999
41	1.581E-03		0	1.581E-03		999	1.165E+03		999	1.165E+03		999
42	1.258E-03		999	1.258E-03		0	1.192E+03		999	1.192E+03		999
43	9.698E-04		0	9.698E-04		999	1.218E+03		999	1.218E+03		999
44	7.173E-04		0	7.173E-04		999	1.245E+03		999	1.245E+03		999
45	5.016E-04		0	5.016E-04		999	1.272E+03		999	1.272E+03		999
46	3.232E-04		999	3.232E-04		0	1.299E+03		999	1.299E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	1.831E-04		0	1.831E-04		999	1.326E+03		999	1.326E+03		999
48	8.200E-05		999	8.200E-05		0	1.353E+03		999	1.353E+03		999
49	2.070E-05		999	2.070E-05		0	1.380E+03		999	1.380E+03		999
50	0.000E+00		999	0.000E+00		999	7.034E+02		999	7.034E+02		999
51	2.070E-05		999	2.070E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	7.225E+01 999	7.225E+01 999	0.000E+00 999	0.000E+00 999
0	9.381E+01 999	9.381E+01 999	0.000E+00 999	0.000E+00 999
1	2.167E+01 999	2.167E+01 999	0.000E+00 999	0.000E+00 999
2	2.178E+01 999	2.178E+01 999	0.000E+00 999	0.000E+00 999
3	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
4	2.200E+01 999	2.200E+01 999	0.000E+00 999	0.000E+00 999
5	2.212E+01 999	2.212E+01 999	0.000E+00 999	0.000E+00 999
6	2.223E+01 999	2.223E+01 999	0.000E+00 999	0.000E+00 999
7	2.234E+01 999	2.234E+01 999	0.000E+00 999	0.000E+00 999
8	2.245E+01 999	2.245E+01 999	0.000E+00 999	0.000E+00 999
9	2.256E+01 999	2.256E+01 999	0.000E+00 999	0.000E+00 999
10	2.268E+01 999	2.268E+01 999	0.000E+00 999	0.000E+00 999
11	2.279E+01 999	2.279E+01 999	0.000E+00 999	0.000E+00 999
12	2.290E+01 999	2.290E+01 999	0.000E+00 999	0.000E+00 999
13	2.301E+01 999	2.301E+01 999	0.000E+00 999	0.000E+00 999
14	2.312E+01 999	2.312E+01 999	0.000E+00 999	0.000E+00 999
15	2.324E+01 999	2.324E+01 999	0.000E+00 999	0.000E+00 999
16	2.335E+01 999	2.335E+01 999	0.000E+00 999	0.000E+00 999
17	2.346E+01 999	2.346E+01 999	0.000E+00 999	0.000E+00 999
18	2.357E+01 999	2.357E+01 999	0.000E+00 999	0.000E+00 999
19	2.368E+01 999	2.368E+01 999	0.000E+00 999	0.000E+00 999
20	2.380E+01 999	2.380E+01 999	0.000E+00 999	0.000E+00 999
21	2.391E+01 999	2.391E+01 999	0.000E+00 999	0.000E+00 999
22	2.402E+01 999	2.402E+01 999	0.000E+00 999	0.000E+00 999
23	2.413E+01 999	2.413E+01 999	0.000E+00 999	0.000E+00 999
24	2.424E+01 999	2.424E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.436E+01 999	2.436E+01 999	0.000E+00 999	0.000E+00 999
27	2.447E+01 999	2.447E+01 999	0.000E+00 999	0.000E+00 999
28	2.458E+01 999	2.458E+01 999	0.000E+00 999	0.000E+00 999
29	2.469E+01 999	2.469E+01 999	0.000E+00 999	0.000E+00 999
30	2.480E+01 999	2.480E+01 999	0.000E+00 999	0.000E+00 999
31	2.492E+01 999	2.492E+01 999	0.000E+00 999	0.000E+00 999
32	2.503E+01 999	2.503E+01 999	0.000E+00 999	0.000E+00 999
33	2.514E+01 999	2.514E+01 999	0.000E+00 999	0.000E+00 999
34	2.525E+01 999	2.525E+01 999	0.000E+00 999	0.000E+00 999
35	2.536E+01 999	2.536E+01 999	0.000E+00 999	0.000E+00 999
36	2.548E+01 999	2.548E+01 999	0.000E+00 999	0.000E+00 999
37	2.559E+01 999	2.559E+01 999	0.000E+00 999	0.000E+00 999
38	2.570E+01 999	2.570E+01 999	0.000E+00 999	0.000E+00 999
39	2.581E+01 999	2.581E+01 999	0.000E+00 999	0.000E+00 999
40	2.592E+01 999	2.592E+01 999	0.000E+00 999	0.000E+00 999
41	2.604E+01 999	2.604E+01 999	0.000E+00 999	0.000E+00 999
42	2.615E+01 999	2.615E+01 999	0.000E+00 999	0.000E+00 999
43	2.626E+01 999	2.626E+01 999	0.000E+00 999	0.000E+00 999
44	2.637E+01 999	2.637E+01 999	0.000E+00 999	0.000E+00 999
45	2.648E+01 999	2.648E+01 999	0.000E+00 999	0.000E+00 999
46	2.660E+01 999	2.660E+01 999	0.000E+00 999	0.000E+00 999
47	2.671E+01 999	2.671E+01 999	0.000E+00 999	0.000E+00 999
48	2.682E+01 999	2.682E+01 999	0.000E+00 999	0.000E+00 999
49	2.693E+01 999	2.693E+01 999	0.000E+00 999	0.000E+00 999
50	-6.763E+02 999	-6.763E+02 999	-2.710E+01 999	-2.710E+01 999
51	-7.034E+02 999	-7.034E+02 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

## BMCOL51 Model 2 - Strength V Input File

Strength	V	Load Cases w/	Any Impact, fixed long. def	Any XXXX XXXX-XX-XXX	Brg	(ft & kips)				
1	64	0	64	0	50	50	0	0	0	1
1	Live Load Case A, Water Case 1, 0	Wind Skew - about x-Axis	1	2	3	0	0	0	0	1
	64	0	64	0	50	50	0	0	0	1
	0	1	0.387							
	64	3	0.0	0.0						
	0	0		24.0				862.2		-2428.7
	0	50	8.496E+06	0.000						-2428.7
	50	64	1.222E+07	0.000						-2428.7
2	Live Load Case A, Water Case 1, 0	Wind Skew - about y-Axis	1	1	2	0	0	0	0	1
	50	0	1.0							
	50	3	0.0	0.0						
	0	0		83.9				1071.9		-2428.7
	0	50	3.398E+07	0.064						-2428.7
3	Live Load Case A, Water Case 1, 15	Wind Skew - about x-Axis	1	2	3	0	0	0	0	1
	64	0	1.0							
	0	1	0.387							
	64	3	0.0	0.0						
	0	0		27.7				895.2		-2428.7
	0	50	8.496E+06	0.033						-2428.7
	50	64	1.222E+07	0.000						-2428.7
4	Live Load Case A, Water Case 1, 15	Wind Skew - about y-Axis	1	1	2	0	0	0	0	1
	50	0	1.0							
	50	3	0.0	0.0						
	0	0		80.6				1039.2		-2428.7
	0	50	3.398E+07	0.062						-2428.7
5	Live Load Case A, Water Case 1, 30	Wind Skew - about x-Axis	1	2	3	0	0	0	0	1
	64	0	1.0							
	0	1	0.387							
	64	3	0.0	0.0						
	0	0		31.4				928.3		-2428.7
	0	50	8.496E+06	0.064						-2428.7
	50	64	1.222E+07	0.000						-2428.7
6	Live Load Case A, Water Case 1, 30	Wind Skew - about y-Axis	1	1	2	0	0	0	0	1
	50	0	1.0							
	50	3	0.0	0.0						
	0	0		78.8				1022.8		-2428.7
	0	50	3.398E+07	0.055						-2428.7
7	Live Load Case A, Water Case 1, 45	Wind Skew - about x-Axis	1	2	3	0	0	0	0	1
	64	0	1.0							
	0	1	0.387							
	64	3	0.0	0.0						
	0	0		33.9				950.4		-2428.7
	0	50	8.496E+06	0.091						-2428.7
	50	64	1.222E+07	0.000						-2428.7
8	Live Load Case A, Water Case 1, 45	Wind Skew - about y-Axis	1	1	2	0	0	0	0	1
	50	0	1.0							
	50	3	0.0	0.0						
	0	0		74.3				979.3		-2428.7
	0	50	3.398E+07	0.045						-2428.7
9	Live Load Case A, Water Case 1, 60	Wind Skew - about x-Axis	1	2	3	0	0	0	0	1
	64	0	1.0							
	0	1	0.387							
	64	3	0.0	0.0						
	0	0		35.8				966.9		-2428.7
	0	50	8.496E+06	0.111						-2428.7
	50	64	1.222E+07	0.000						-2428.7
10	Live Load Case A, Water Case 1, 60	Wind Skew - about y-Axis	1	1	2	0	0	0	0	1

	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		65.2				892.1			-2428.7
	0	50	3.398E+07	0.032							-2428.7
11	Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis										
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		11.3				445.4	0		-1576.8
	0	50	8.496E+06	0.000							-1576.8
	50	64	1.222E+07	0.000							-1576.8
12	Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis										
				1	1	2		0			
	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		54.5				3935.1	0		-1576.8
	0	50	3.398E+07	0.064							-1576.8
13	Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis										
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		15.0				478.5	0		-1576.8
	0	50	8.496E+06	0.033							-1576.8
	50	64	1.222E+07	0.000							-1576.8
14	Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis										
				1	1	2		0			
	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		51.2				3902.5	0		-1576.8
	0	50	3.398E+07	0.062							-1576.8
15	Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis										
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		18.7				511.5	0		-1576.8
	0	50	8.496E+06	0.064							-1576.8
	50	64	1.222E+07	0.000							-1576.8
16	Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis										
				1	1	2		0			
	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		49.4				3886.1	0		-1576.8
	0	50	3.398E+07	0.055							-1576.8
17	Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis										
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		21.2				533.6	0		-1576.8
	0	50	8.496E+06	0.091							-1576.8
	50	64	1.222E+07	0.000							-1576.8
18	Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis										
				1	1	2		0			
	50		1.0		0	0	0	1			
	50	3	0.0	0.0							
	0	0		44.9				3842.5	0		-1576.8
	0	50	3.398E+07	0.045							-1576.8
19	Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis										
				1	2	3		0			
	64		1.0		0	0	0	1			
	0	1	0.387								
	64	3	0.0	0.0							
	0	0		23.1				550.2	0		-1576.8
	0	50	8.496E+06	0.111							-1576.8
	50	64	1.222E+07	0.000							-1576.8

20	Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis							
				1	1	2		0
50			1.0		0	0	0	1
50		3	0.0	0.0				
0	0			35.8			3755.4	0
0	50		3.398E+07	0.032				-1576.8
								-1576.8

CEASE

## BMCOL51 Model 2 - Strength V Output File

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
1 Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0	0
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		DEFLL	MOM	SHR	RCT	
		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.400E+01	0.000E+00	8.622E+02	0.000E+00	-2.429E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 1        Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.984E-01		0.000E+00		0.000E+00
0	0.000E+00	3.870E-01	-1.137E-02	4.311E+02	4.311E+02	-1.920E+01
1	1.000E+00	3.757E-01	-1.127E-02	8.944E+02	4.359E+02	0.000E+00
2	2.000E+00	3.646E-01	-1.117E-02	9.263E+02	4.804E+00	0.000E+00
3	3.000E+00	3.535E-01	-1.106E-02	9.580E+02	4.804E+00	0.000E+00
4	4.000E+00	3.426E-01	-1.095E-02	9.894E+02	4.804E+00	0.000E+00
5	5.000E+00	3.317E-01	-1.083E-02	1.020E+03	4.804E+00	0.000E+00
6	6.000E+00	3.210E-01	-1.071E-02	1.051E+03	4.804E+00	0.000E+00
7	7.000E+00	3.104E-01	-1.059E-02	1.082E+03	4.804E+00	0.000E+00
8	8.000E+00	3.000E-01	-1.046E-02	1.112E+03	4.804E+00	0.000E+00
9	9.000E+00	2.896E-01	-1.033E-02	1.142E+03	4.804E+00	0.000E+00
10	1.000E+01	2.794E-01	-1.019E-02	1.171E+03	4.804E+00	0.000E+00
11	1.100E+01	2.694E-01	-1.006E-02	1.201E+03	4.804E+00	0.000E+00
12	1.200E+01	2.595E-01	-9.914E-03	1.230E+03	4.804E+00	0.000E+00
13	1.300E+01	2.497E-01	-9.769E-03	1.258E+03	4.804E+00	0.000E+00
14	1.400E+01	2.401E-01	-9.621E-03	1.286E+03	4.804E+00	0.000E+00
15	1.500E+01	2.306E-01	-9.470E-03	1.314E+03	4.804E+00	0.000E+00
16	1.600E+01	2.213E-01	-9.315E-03	1.341E+03	4.804E+00	0.000E+00
17	1.700E+01	2.121E-01	-9.157E-03	1.369E+03	4.804E+00	0.000E+00
18	1.800E+01	2.031E-01	-8.996E-03	1.395E+03	4.804E+00	0.000E+00
19	1.900E+01	1.943E-01	-8.832E-03	1.421E+03	4.804E+00	0.000E+00
20	2.000E+01	1.857E-01	-8.665E-03	1.447E+03	4.804E+00	0.000E+00
21	2.100E+01	1.772E-01	-8.494E-03	1.473E+03	4.804E+00	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.688E-01	-8.321E-03	1.498E+03	4.804E+00	0.000E+00
23	2.300E+01	1.607E-01	-8.145E-03	1.522E+03	4.804E+00	0.000E+00
24	2.400E+01	1.527E-01	-7.966E-03	1.546E+03	4.804E+00	0.000E+00
25	2.500E+01	1.449E-01	-7.784E-03	1.570E+03	4.804E+00	0.000E+00
26	2.600E+01	1.373E-01	-7.599E-03	1.593E+03	4.804E+00	0.000E+00
27	2.700E+01	1.299E-01	-7.411E-03	1.616E+03	4.804E+00	0.000E+00
28	2.800E+01	1.227E-01	-7.221E-03	1.639E+03	4.804E+00	0.000E+00
29	2.900E+01	1.157E-01	-7.028E-03	1.660E+03	4.804E+00	0.000E+00
30	3.000E+01	1.088E-01	-6.833E-03	1.682E+03	4.804E+00	0.000E+00
31	3.100E+01	1.022E-01	-6.635E-03	1.703E+03	4.804E+00	0.000E+00
32	3.200E+01	9.578E-02	-6.434E-03	1.723E+03	4.804E+00	0.000E+00
33	3.300E+01	8.955E-02	-6.232E-03	1.743E+03	4.804E+00	0.000E+00
34	3.400E+01	8.352E-02	-6.026E-03	1.763E+03	4.804E+00	0.000E+00
35	3.500E+01	7.770E-02	-5.819E-03	1.782E+03	4.804E+00	0.000E+00
36	3.600E+01	7.209E-02	-5.609E-03	1.800E+03	4.804E+00	0.000E+00
37	3.700E+01	6.670E-02	-5.397E-03	1.818E+03	4.804E+00	0.000E+00
38	3.800E+01	6.151E-02	-5.183E-03	1.835E+03	4.804E+00	0.000E+00
39	3.900E+01	5.655E-02	-4.967E-03	1.852E+03	4.804E+00	0.000E+00
40	4.000E+01	5.180E-02	-4.749E-03	1.868E+03	4.804E+00	0.000E+00
41	4.100E+01	4.727E-02	-4.529E-03	1.884E+03	4.804E+00	0.000E+00
42	4.200E+01	4.296E-02	-4.308E-03	1.900E+03	4.804E+00	0.000E+00
43	4.300E+01	3.888E-02	-4.084E-03	1.914E+03	4.804E+00	0.000E+00
44	4.400E+01	3.502E-02	-3.859E-03	1.928E+03	4.804E+00	0.000E+00
45	4.500E+01	3.139E-02	-3.632E-03	1.942E+03	4.804E+00	0.000E+00
46	4.600E+01	2.798E-02	-3.403E-03	1.955E+03	4.804E+00	0.000E+00
47	4.700E+01	2.481E-02	-3.173E-03	1.968E+03	4.804E+00	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.187E-02	-2.941E-03	1.980E+03	4.804E+00	0.000E+00
49	4.900E+01	1.916E-02	-2.708E-03	1.991E+03	4.804E+00	0.000E+00
50	5.000E+01	1.668E-02	-2.474E-03	2.002E+03	4.804E+00	0.000E+00
51	5.100E+01	1.440E-02	-2.281E-03	2.012E+03	4.804E+00	0.000E+00
52	5.200E+01	1.229E-02	-2.116E-03	2.022E+03	4.804E+00	0.000E+00
53	5.300E+01	1.034E-02	-1.951E-03	2.032E+03	4.804E+00	0.000E+00
54	5.400E+01	8.553E-03	-1.784E-03	2.041E+03	4.804E+00	0.000E+00
55	5.500E+01	6.935E-03	-1.617E-03	2.049E+03	4.804E+00	0.000E+00
56	5.600E+01	5.485E-03	-1.450E-03	2.058E+03	4.804E+00	0.000E+00
57	5.700E+01	4.204E-03	-1.281E-03	2.066E+03	4.804E+00	0.000E+00
58	5.800E+01	3.092E-03	-1.112E-03	2.073E+03	4.804E+00	0.000E+00
59	5.900E+01	2.149E-03	-9.426E-04	2.080E+03	4.804E+00	0.000E+00
60	6.000E+01	1.377E-03	-7.724E-04	2.087E+03	4.804E+00	0.000E+00
61	6.100E+01	7.752E-04	-6.016E-04	2.093E+03	4.804E+00	0.000E+00
62	6.200E+01	3.449E-04	-4.303E-04	2.099E+03	4.804E+00	0.000E+00
63	6.300E+01	8.632E-05	-2.585E-04	2.105E+03	4.804E+00	0.000E+00
64	6.400E+01	0.000E+00	-8.632E-05	1.055E+03	-1.050E+03	-4.804E+00
65	6.500E+01	8.632E-05	8.632E-05	0.000E+00	-1.055E+03	0.000E+00

PROB (CONTD)

1 Live Load Case A, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.984E-01		0	3.984E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	4.311E+02		999	4.311E+02		999
1	3.757E-01		0	3.757E-01		999	8.944E+02		999	8.944E+02		999
2	3.646E-01		0	3.646E-01		999	9.263E+02		999	9.263E+02		999
3	3.535E-01		0	3.535E-01		999	9.580E+02		999	9.580E+02		999
4	3.426E-01		0	3.426E-01		999	9.894E+02		999	9.894E+02		999
5	3.317E-01		0	3.317E-01		999	1.020E+03		999	1.020E+03		999
6	3.210E-01		0	3.210E-01		999	1.051E+03		999	1.051E+03		999
7	3.104E-01		999	3.104E-01		0	1.082E+03		999	1.082E+03		999
8	3.000E-01		0	3.000E-01		999	1.112E+03		999	1.112E+03		999
9	2.896E-01		999	2.896E-01		0	1.142E+03		999	1.142E+03		999
10	2.794E-01		999	2.794E-01		0	1.171E+03		999	1.171E+03		999
11	2.694E-01		0	2.694E-01		999	1.201E+03		999	1.201E+03		999
12	2.595E-01		0	2.595E-01		999	1.230E+03		999	1.230E+03		999
13	2.497E-01		999	2.497E-01		0	1.258E+03		999	1.258E+03		999
14	2.401E-01		999	2.401E-01		0	1.286E+03		999	1.286E+03		999
15	2.306E-01		999	2.306E-01		0	1.314E+03		999	1.314E+03		999
16	2.213E-01		999	2.213E-01		0	1.341E+03		999	1.341E+03		999
17	2.121E-01		999	2.121E-01		0	1.369E+03		999	1.369E+03		999
18	2.031E-01		999	2.031E-01		0	1.395E+03		999	1.395E+03		999
19	1.943E-01		0	1.943E-01		999	1.421E+03		999	1.421E+03		999
20	1.857E-01		999	1.857E-01		0	1.447E+03		999	1.447E+03		999
21	1.772E-01		0	1.772E-01		999	1.473E+03		999	1.473E+03		999
22	1.688E-01		999	1.688E-01		0	1.498E+03		999	1.498E+03		999
23	1.607E-01		0	1.607E-01		999	1.522E+03		999	1.522E+03		999
24	1.527E-01		0	1.527E-01		999	1.546E+03		999	1.546E+03		999
25	1.449E-01		0	1.449E-01		999	1.570E+03		999	1.570E+03		999
26	1.373E-01		999	1.373E-01		0	1.593E+03		999	1.593E+03		999
27	1.299E-01		0	1.299E-01		999	1.616E+03		999	1.616E+03		999
28	1.227E-01		0	1.227E-01		999	1.639E+03		999	1.639E+03		999
29	1.157E-01		0	1.157E-01		999	1.660E+03		999	1.660E+03		999
30	1.088E-01		999	1.088E-01		0	1.682E+03		999	1.682E+03		999
31	1.022E-01		0	1.022E-01		999	1.703E+03		999	1.703E+03		999
32	9.578E-02		999	9.578E-02		0	1.723E+03		999	1.723E+03		999
33	8.955E-02		0	8.955E-02		999	1.743E+03		999	1.743E+03		999
34	8.352E-02		0	8.352E-02		999	1.763E+03		999	1.763E+03		999
35	7.770E-02		999	7.770E-02		0	1.782E+03		999	1.782E+03		999
36	7.209E-02		999	7.209E-02		0	1.800E+03		999	1.800E+03		999
37	6.670E-02		999	6.670E-02		0	1.818E+03		999	1.818E+03		999
38	6.151E-02		0	6.151E-02		999	1.835E+03		999	1.835E+03		999
39	5.655E-02		999	5.655E-02		0	1.852E+03		999	1.852E+03		999
40	5.180E-02		999	5.180E-02		0	1.868E+03		999	1.868E+03		999
41	4.727E-02		0	4.727E-02		999	1.884E+03		999	1.884E+03		999
42	4.296E-02		0	4.296E-02		999	1.900E+03		999	1.900E+03		999
43	3.888E-02		0	3.888E-02		999	1.914E+03		999	1.914E+03		999
44	3.502E-02		0	3.502E-02		999	1.928E+03		999	1.928E+03		999
45	3.139E-02		999	3.139E-02		0	1.942E+03		999	1.942E+03		999
46	2.798E-02		999	2.798E-02		0	1.955E+03		999	1.955E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.481E-02	999		2.481E-02	0		1.968E+03	999		1.968E+03	999	
48	2.187E-02	999		2.187E-02	0		1.980E+03	999		1.980E+03	999	
49	1.916E-02	999		1.916E-02	0		1.991E+03	999		1.991E+03	999	
50	1.668E-02	0		1.668E-02	999		2.002E+03	999		2.002E+03	999	
51	1.440E-02	0		1.440E-02	999		2.012E+03	999		2.012E+03	999	
52	1.229E-02	0		1.229E-02	999		2.022E+03	999		2.022E+03	999	
53	1.034E-02	999		1.034E-02	0		2.032E+03	999		2.032E+03	999	
54	8.553E-03	0		8.553E-03	999		2.041E+03	999		2.041E+03	999	
55	6.935E-03	999		6.935E-03	0		2.049E+03	999		2.049E+03	999	
56	5.485E-03	999		5.485E-03	0		2.058E+03	999		2.058E+03	999	
57	4.204E-03	0		4.204E-03	999		2.066E+03	999		2.066E+03	999	
58	3.092E-03	0		3.092E-03	999		2.073E+03	999		2.073E+03	999	
59	2.149E-03	0		2.149E-03	999		2.080E+03	999		2.080E+03	999	
60	1.377E-03	0		1.377E-03	999		2.087E+03	999		2.087E+03	999	
61	7.752E-04	0		7.752E-04	999		2.093E+03	999		2.093E+03	999	
62	3.449E-04	999		3.449E-04	0		2.099E+03	999		2.099E+03	999	
63	8.632E-05	999		8.632E-05	0		2.105E+03	999		2.105E+03	999	
64	0.000E+00	999		0.000E+00	999		1.055E+03	999		1.055E+03	999	
65	8.632E-05	999		8.632E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	4.311E+02 999	4.311E+02 999	-1.920E+01 999	-1.920E+01 999
1	4.359E+02 999	4.359E+02 999	0.000E+00 999	0.000E+00 999
2	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
3	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
4	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
5	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
6	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
7	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
8	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
9	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
10	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
11	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
12	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
13	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
14	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
15	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
16	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
17	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
18	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
19	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
20	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
21	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
22	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
23	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
24	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
25	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
27	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
28	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
29	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
30	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
31	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
32	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
33	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
34	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
35	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
36	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
37	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
38	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
39	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
40	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
41	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
42	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
43	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
44	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
45	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
46	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
47	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
48	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
49	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
50	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
51	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
53	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
54	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
55	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
56	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
57	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
58	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
59	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
60	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
61	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
62	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
63	4.804E+00 999	4.804E+00 999	0.000E+00 999	0.000E+00 999
64	-1.050E+03 999	-1.050E+03 999	-4.804E+00 999	-4.804E+00 999
65	-1.055E+03 999	-1.055E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	8.390E+01	0.000E+00	1.072E+03	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	6.400E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.601E-01		0.000E+00		0.000E+00
0	0.000E+00	1.550E-01	-5.071E-03	5.360E+02	5.360E+02	0.000E+00
1	1.000E+00	1.500E-01	-5.039E-03	1.168E+03	6.199E+02	0.000E+00
2	2.000E+00	1.450E-01	-5.005E-03	1.264E+03	8.400E+01	0.000E+00
3	3.000E+00	1.400E-01	-4.968E-03	1.360E+03	8.406E+01	0.000E+00
4	4.000E+00	1.351E-01	-4.928E-03	1.456E+03	8.412E+01	0.000E+00
5	5.000E+00	1.302E-01	-4.885E-03	1.456E+03	8.419E+01	0.000E+00
6	6.000E+00	1.253E-01	-4.839E-03	1.552E+03	8.425E+01	0.000E+00
7	7.000E+00	1.206E-01	-4.791E-03	1.648E+03	8.432E+01	0.000E+00
8	8.000E+00	1.206E-01	-4.739E-03	1.744E+03	8.438E+01	0.000E+00
9	9.000E+00	1.158E-01	-4.685E-03	1.840E+03	8.438E+01	0.000E+00
10	1.000E+01	1.111E-01	-4.628E-03	1.840E+03	8.444E+01	0.000E+00
11	1.100E+01	1.065E-01	-4.569E-03	1.936E+03	8.451E+01	0.000E+00
12	1.200E+01	1.019E-01	-4.506E-03	2.032E+03	8.457E+01	0.000E+00
13	1.300E+01	9.742E-02	-4.440E-03	2.128E+03	8.464E+01	0.000E+00
14	1.400E+01	9.298E-02	-4.372E-03	2.223E+03	8.470E+01	0.000E+00
15	1.500E+01	8.861E-02	-4.301E-03	2.319E+03	8.476E+01	0.000E+00
16	1.600E+01	8.431E-02	-4.227E-03	2.414E+03	8.476E+01	0.000E+00
17	1.700E+01	8.008E-02	-4.151E-03	2.509E+03	8.483E+01	0.000E+00
18	1.800E+01	7.593E-02	-4.071E-03	2.604E+03	8.489E+01	0.000E+00
19	1.900E+01	7.186E-02	-3.989E-03	2.699E+03	8.496E+01	0.000E+00
20	2.000E+01	6.787E-02	-3.904E-03	2.794E+03	8.502E+01	0.000E+00
21	2.100E+01	6.397E-02	-3.816E-03	2.889E+03	8.508E+01	0.000E+00
22	2.200E+01	6.015E-02		2.984E+03	8.515E+01	0.000E+00
23	2.300E+01			3.078E+03	8.521E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.643E-02	-3.726E-03	3.173E+03	8.528E+01	0.000E+00
23	2.300E+01	5.279E-02	-3.632E-03	3.267E+03	8.534E+01	0.000E+00
24	2.400E+01	4.926E-02	-3.536E-03	3.361E+03	8.540E+01	0.000E+00
25	2.500E+01	4.582E-02	-3.437E-03	3.455E+03	8.547E+01	0.000E+00
26	2.600E+01	4.249E-02	-3.336E-03	3.548E+03	8.553E+01	0.000E+00
27	2.700E+01	3.925E-02	-3.231E-03	3.642E+03	8.560E+01	0.000E+00
28	2.800E+01	3.613E-02	-3.124E-03	3.735E+03	8.566E+01	0.000E+00
29	2.900E+01	3.312E-02	-3.014E-03	3.828E+03	8.572E+01	0.000E+00
30	3.000E+01	3.021E-02	-2.901E-03	3.921E+03	8.579E+01	0.000E+00
31	3.100E+01	2.743E-02	-2.786E-03	4.013E+03	8.585E+01	0.000E+00
32	3.200E+01	2.476E-02	-2.668E-03	4.106E+03	8.592E+01	0.000E+00
33	3.300E+01	2.221E-02	-2.547E-03	4.198E+03	8.598E+01	0.000E+00
34	3.400E+01	1.979E-02	-2.424E-03	4.290E+03	8.604E+01	0.000E+00
35	3.500E+01	1.749E-02	-2.297E-03	4.382E+03	8.611E+01	0.000E+00
36	3.600E+01	1.532E-02	-2.168E-03	4.473E+03	8.617E+01	0.000E+00
37	3.700E+01	1.329E-02	-2.037E-03	4.564E+03	8.624E+01	0.000E+00
38	3.800E+01	1.139E-02	-1.902E-03	4.655E+03	8.630E+01	0.000E+00
39	3.900E+01	9.620E-03	-1.765E-03	4.746E+03	8.636E+01	0.000E+00
40	4.000E+01	7.995E-03	-1.626E-03	4.836E+03	8.643E+01	0.000E+00
41	4.100E+01	6.511E-03	-1.483E-03	4.926E+03	8.649E+01	0.000E+00
42	4.200E+01	5.173E-03	-1.338E-03	5.016E+03	8.656E+01	0.000E+00
43	4.300E+01	3.982E-03	-1.191E-03	5.106E+03	8.662E+01	0.000E+00
44	4.400E+01	2.942E-03	-1.041E-03	5.195E+03	8.668E+01	0.000E+00
45	4.500E+01	2.054E-03	-8.877E-04	5.284E+03	8.675E+01	0.000E+00
46	4.600E+01	1.322E-03	-7.322E-04	5.372E+03	8.681E+01	0.000E+00
47	4.700E+01	7.477E-04	-5.741E-04	5.461E+03	8.688E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.343E-04	-4.134E-04	5.548E+03	8.694E+01	0.000E+00
49	4.900E+01	8.422E-05	-2.501E-04	5.636E+03	8.700E+01	0.000E+00
50	5.000E+01	0.000E+00	-8.422E-05	2.862E+03	-2.775E+03	-8.710E+01
51	5.100E+01	8.422E-05	8.422E-05	0.000E+00	-2.862E+03	0.000E+00

PROB (CONTD)

2 Live Load Case A, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.601E-01	999		1.601E-01	0		0.000E+00	999		0.000E+00	999	
0	1.550E-01	0		1.550E-01	999		5.360E+02	999		5.360E+02	999	
1	1.500E-01	999		1.500E-01	0		1.168E+03	999		1.168E+03	999	
2	1.450E-01	0		1.450E-01	999		1.264E+03	999		1.264E+03	999	
3	1.400E-01	0		1.400E-01	999		1.360E+03	999		1.360E+03	999	
4	1.351E-01	0		1.351E-01	999		1.456E+03	999		1.456E+03	999	
5	1.302E-01	999		1.302E-01	0		1.552E+03	999		1.552E+03	999	
6	1.253E-01	999		1.253E-01	0		1.648E+03	999		1.648E+03	999	
7	1.206E-01	999		1.206E-01	0		1.744E+03	999		1.744E+03	999	
8	1.158E-01	0		1.158E-01	999		1.840E+03	999		1.840E+03	999	
9	1.111E-01	0		1.111E-01	999		1.936E+03	999		1.936E+03	999	
10	1.065E-01	0		1.065E-01	999		2.032E+03	999		2.032E+03	999	
11	1.019E-01	999		1.019E-01	0		2.128E+03	999		2.128E+03	999	
12	9.742E-02	999		9.742E-02	0		2.223E+03	999		2.223E+03	999	
13	9.298E-02	999		9.298E-02	0		2.319E+03	999		2.319E+03	999	
14	8.861E-02	0		8.861E-02	999		2.414E+03	999		2.414E+03	999	
15	8.431E-02	0		8.431E-02	999		2.509E+03	999		2.509E+03	999	
16	8.008E-02	999		8.008E-02	0		2.604E+03	999		2.604E+03	999	
17	7.593E-02	0		7.593E-02	999		2.699E+03	999		2.699E+03	999	
18	7.186E-02	999		7.186E-02	0		2.794E+03	999		2.794E+03	999	
19	6.787E-02	999		6.787E-02	0		2.889E+03	999		2.889E+03	999	
20	6.397E-02	999		6.397E-02	0		2.984E+03	999		2.984E+03	999	
21	6.015E-02	0		6.015E-02	999		3.078E+03	999		3.078E+03	999	
22	5.643E-02	999		5.643E-02	0		3.173E+03	999		3.173E+03	999	
23	5.279E-02	0		5.279E-02	999		3.267E+03	999		3.267E+03	999	
24	4.926E-02	999		4.926E-02	0		3.361E+03	999		3.361E+03	999	
25	4.582E-02	999		4.582E-02	0		3.455E+03	999		3.455E+03	999	
26	4.249E-02	0		4.249E-02	999		3.548E+03	999		3.548E+03	999	
27	3.925E-02	999		3.925E-02	0		3.642E+03	999		3.642E+03	999	
28	3.613E-02	999		3.613E-02	0		3.735E+03	999		3.735E+03	999	
29	3.312E-02	999		3.312E-02	0		3.828E+03	999		3.828E+03	999	
30	3.021E-02	999		3.021E-02	0		3.921E+03	999		3.921E+03	999	
31	2.743E-02	0		2.743E-02	999		4.013E+03	999		4.013E+03	999	
32	2.476E-02	0		2.476E-02	999		4.106E+03	999		4.106E+03	999	
33	2.221E-02	999		2.221E-02	0		4.198E+03	999		4.198E+03	999	
34	1.979E-02	999		1.979E-02	0		4.290E+03	999		4.290E+03	999	
35	1.749E-02	999		1.749E-02	0		4.382E+03	999		4.382E+03	999	
36	1.532E-02	0		1.532E-02	999		4.473E+03	999		4.473E+03	999	
37	1.329E-02	0		1.329E-02	999		4.564E+03	999		4.564E+03	999	
38	1.139E-02	999		1.139E-02	0		4.655E+03	999		4.655E+03	999	
39	9.620E-03	999		9.620E-03	0		4.746E+03	999		4.746E+03	999	
40	7.995E-03	999		7.995E-03	0		4.836E+03	999		4.836E+03	999	
41	6.511E-03	0		6.511E-03	999		4.926E+03	999		4.926E+03	999	
42	5.173E-03	0		5.173E-03	999		5.016E+03	999		5.016E+03	999	
43	3.982E-03	999		3.982E-03	0		5.106E+03	999		5.106E+03	999	
44	2.942E-03	999		2.942E-03	0		5.195E+03	999		5.195E+03	999	
45	2.054E-03	999		2.054E-03	0		5.284E+03	999		5.284E+03	999	
46	1.322E-03	0		1.322E-03	999		5.372E+03	999		5.372E+03	999	



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +DEFL LOC	MAX -DEFL LOC	MAX +MOM LOC	MAX -MOM LOC
47	7.477E-04 999	7.477E-04 0	5.461E+03 999	5.461E+03 999
48	3.343E-04 999	3.343E-04 0	5.548E+03 999	5.548E+03 999
49	8.422E-05 0	8.422E-05 999	5.636E+03 999	5.636E+03 999
50	0.000E+00 999	0.000E+00 999	2.862E+03 999	2.862E+03 999
51	8.422E-05 0	8.422E-05 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.360E+02 999	5.360E+02 999	0.000E+00 999	0.000E+00 999
0	6.199E+02 999	6.199E+02 999	0.000E+00 999	0.000E+00 999
1	8.400E+01 999	8.400E+01 999	0.000E+00 999	0.000E+00 999
2	8.406E+01 999	8.406E+01 999	0.000E+00 999	0.000E+00 999
3	8.412E+01 999	8.412E+01 999	0.000E+00 999	0.000E+00 999
4	8.419E+01 999	8.419E+01 999	0.000E+00 999	0.000E+00 999
5	8.425E+01 999	8.425E+01 999	0.000E+00 999	0.000E+00 999
6	8.432E+01 999	8.432E+01 999	0.000E+00 999	0.000E+00 999
7	8.438E+01 999	8.438E+01 999	0.000E+00 999	0.000E+00 999
8	8.444E+01 999	8.444E+01 999	0.000E+00 999	0.000E+00 999
9	8.451E+01 999	8.451E+01 999	0.000E+00 999	0.000E+00 999
10	8.457E+01 999	8.457E+01 999	0.000E+00 999	0.000E+00 999
11	8.464E+01 999	8.464E+01 999	0.000E+00 999	0.000E+00 999
12	8.470E+01 999	8.470E+01 999	0.000E+00 999	0.000E+00 999
13	8.476E+01 999	8.476E+01 999	0.000E+00 999	0.000E+00 999
14	8.483E+01 999	8.483E+01 999	0.000E+00 999	0.000E+00 999
15	8.489E+01 999	8.489E+01 999	0.000E+00 999	0.000E+00 999
16	8.496E+01 999	8.496E+01 999	0.000E+00 999	0.000E+00 999
17	8.502E+01 999	8.502E+01 999	0.000E+00 999	0.000E+00 999
18	8.508E+01 999	8.508E+01 999	0.000E+00 999	0.000E+00 999
19	8.515E+01 999	8.515E+01 999	0.000E+00 999	0.000E+00 999
20	8.521E+01 999	8.521E+01 999	0.000E+00 999	0.000E+00 999
21	8.528E+01 999	8.528E+01 999	0.000E+00 999	0.000E+00 999
22	8.534E+01 999	8.534E+01 999	0.000E+00 999	0.000E+00 999
23	8.540E+01 999	8.540E+01 999	0.000E+00 999	0.000E+00 999
24	8.547E+01 999	8.547E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	8.553E+01 999	8.553E+01 999	0.000E+00 999	0.000E+00 999
27	8.560E+01 999	8.560E+01 999	0.000E+00 999	0.000E+00 999
28	8.566E+01 999	8.566E+01 999	0.000E+00 999	0.000E+00 999
29	8.572E+01 999	8.572E+01 999	0.000E+00 999	0.000E+00 999
30	8.579E+01 999	8.579E+01 999	0.000E+00 999	0.000E+00 999
31	8.585E+01 999	8.585E+01 999	0.000E+00 999	0.000E+00 999
32	8.592E+01 999	8.592E+01 999	0.000E+00 999	0.000E+00 999
33	8.598E+01 999	8.598E+01 999	0.000E+00 999	0.000E+00 999
34	8.604E+01 999	8.604E+01 999	0.000E+00 999	0.000E+00 999
35	8.611E+01 999	8.611E+01 999	0.000E+00 999	0.000E+00 999
36	8.617E+01 999	8.617E+01 999	0.000E+00 999	0.000E+00 999
37	8.624E+01 999	8.624E+01 999	0.000E+00 999	0.000E+00 999
38	8.630E+01 999	8.630E+01 999	0.000E+00 999	0.000E+00 999
39	8.636E+01 999	8.636E+01 999	0.000E+00 999	0.000E+00 999
40	8.643E+01 999	8.643E+01 999	0.000E+00 999	0.000E+00 999
41	8.649E+01 999	8.649E+01 999	0.000E+00 999	0.000E+00 999
42	8.656E+01 999	8.656E+01 999	0.000E+00 999	0.000E+00 999
43	8.662E+01 999	8.662E+01 999	0.000E+00 999	0.000E+00 999
44	8.668E+01 999	8.668E+01 999	0.000E+00 999	0.000E+00 999
45	8.675E+01 999	8.675E+01 999	0.000E+00 999	0.000E+00 999
46	8.681E+01 999	8.681E+01 999	0.000E+00 999	0.000E+00 999
47	8.688E+01 999	8.688E+01 999	0.000E+00 999	0.000E+00 999
48	8.694E+01 999	8.694E+01 999	0.000E+00 999	0.000E+00 999
49	8.700E+01 999	8.700E+01 999	0.000E+00 999	0.000E+00 999
50	-2.775E+03 999	-2.775E+03 999	-8.710E+01 999	-8.710E+01 999
51	-2.862E+03 999	-2.862E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0	0
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.770E+01	0.000E+00	8.952E+02	0.000E+00	-2.429E+03
0	50	0	8.496E+06	3.300E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 3        Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.984E-01		0.000E+00		0.000E+00
			-1.142E-02		4.476E+02	
0	0.000E+00	3.870E-01		4.476E+02		-2.447E+01
			-1.131E-02		4.508E+02	
1	1.000E+00	3.757E-01		9.259E+02		0.000E+00
			-1.120E-02		3.283E+00	
2	2.000E+00	3.645E-01		9.564E+02		0.000E+00
			-1.109E-02		3.316E+00	
3	3.000E+00	3.534E-01		9.867E+02		0.000E+00
			-1.098E-02		3.349E+00	
4	4.000E+00	3.424E-01		1.017E+03		0.000E+00
			-1.086E-02		3.382E+00	
5	5.000E+00	3.316E-01		1.046E+03		0.000E+00
			-1.073E-02		3.415E+00	
6	6.000E+00	3.208E-01		1.076E+03		0.000E+00
			-1.061E-02		3.448E+00	
7	7.000E+00	3.102E-01		1.105E+03		0.000E+00
			-1.048E-02		3.481E+00	
8	8.000E+00	2.997E-01		1.134E+03		0.000E+00
			-1.034E-02		3.514E+00	
9	9.000E+00	2.894E-01		1.163E+03		0.000E+00
			-1.021E-02		3.547E+00	
10	1.000E+01	2.792E-01		1.191E+03		0.000E+00
			-1.007E-02		3.580E+00	
11	1.100E+01	2.691E-01		1.219E+03		0.000E+00
			-9.923E-03		3.613E+00	
12	1.200E+01	2.592E-01		1.247E+03		0.000E+00
			-9.776E-03		3.646E+00	
13	1.300E+01	2.494E-01		1.274E+03		0.000E+00
			-9.626E-03		3.679E+00	
14	1.400E+01	2.398E-01		1.301E+03		0.000E+00
			-9.473E-03		3.712E+00	
15	1.500E+01	2.303E-01		1.328E+03		0.000E+00
			-9.316E-03		3.745E+00	
16	1.600E+01	2.210E-01		1.354E+03		0.000E+00
			-9.157E-03		3.778E+00	
17	1.700E+01	2.119E-01		1.380E+03		0.000E+00
			-8.994E-03		3.811E+00	
18	1.800E+01	2.029E-01		1.406E+03		0.000E+00
			-8.829E-03		3.844E+00	
19	1.900E+01	1.940E-01		1.431E+03		0.000E+00
			-8.661E-03		3.877E+00	
20	2.000E+01	1.854E-01		1.456E+03		0.000E+00
			-8.489E-03		3.910E+00	
21	2.100E+01	1.769E-01		1.481E+03		0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.686E-01	-8.315E-03	1.505E+03	3.943E+00	0.000E+00
23	2.300E+01	1.604E-01	-8.138E-03	1.529E+03	3.976E+00	0.000E+00
24	2.400E+01	1.525E-01	-7.958E-03	1.552E+03	4.009E+00	0.000E+00
25	2.500E+01	1.447E-01	-7.775E-03	1.575E+03	4.042E+00	0.000E+00
26	2.600E+01	1.371E-01	-7.590E-03	1.597E+03	4.075E+00	0.000E+00
27	2.700E+01	1.297E-01	-7.402E-03	1.619E+03	4.108E+00	0.000E+00
28	2.800E+01	1.225E-01	-7.211E-03	1.641E+03	4.141E+00	0.000E+00
29	2.900E+01	1.155E-01	-7.018E-03	1.662E+03	4.174E+00	0.000E+00
30	3.000E+01	1.087E-01	-6.822E-03	1.683E+03	4.207E+00	0.000E+00
31	3.100E+01	1.020E-01	-6.624E-03	1.703E+03	4.240E+00	0.000E+00
32	3.200E+01	9.560E-02	-6.424E-03	1.723E+03	4.273E+00	0.000E+00
33	3.300E+01	8.938E-02	-6.221E-03	1.743E+03	4.306E+00	0.000E+00
34	3.400E+01	8.337E-02	-6.016E-03	1.762E+03	4.339E+00	0.000E+00
35	3.500E+01	7.756E-02	-5.808E-03	1.780E+03	4.372E+00	0.000E+00
36	3.600E+01	7.196E-02	-5.599E-03	1.798E+03	4.405E+00	0.000E+00
37	3.700E+01	6.657E-02	-5.387E-03	1.798E+03	4.438E+00	0.000E+00
38	3.800E+01	6.140E-02	-5.174E-03	1.816E+03	4.471E+00	0.000E+00
39	3.900E+01	5.644E-02	-4.958E-03	1.833E+03	4.504E+00	0.000E+00
40	4.000E+01	5.170E-02	-4.740E-03	1.849E+03	4.537E+00	0.000E+00
41	4.100E+01	4.718E-02	-4.521E-03	1.865E+03	4.570E+00	0.000E+00
42	4.200E+01	4.288E-02	-4.299E-03	1.881E+03	4.603E+00	0.000E+00
43	4.300E+01	3.881E-02	-4.076E-03	1.896E+03	4.636E+00	0.000E+00
44	4.400E+01	3.495E-02	-3.851E-03	1.910E+03	4.669E+00	0.000E+00
45	4.500E+01	3.133E-02	-3.625E-03	1.924E+03	4.702E+00	0.000E+00
46	4.600E+01	2.793E-02	-3.397E-03	1.938E+03	4.735E+00	0.000E+00
47	4.700E+01	2.477E-02	-3.167E-03	1.951E+03	4.768E+00	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.183E-02	-2.936E-03	1.975E+03	4.801E+00	0.000E+00
49	4.900E+01	1.913E-02	-2.703E-03	1.987E+03	4.834E+00	0.000E+00
50	5.000E+01	1.666E-02	-2.470E-03	1.998E+03	4.867E+00	0.000E+00
51	5.100E+01	1.438E-02	-2.277E-03	2.008E+03	4.883E+00	0.000E+00
52	5.200E+01	1.227E-02	-2.112E-03	2.018E+03	4.883E+00	0.000E+00
53	5.300E+01	1.032E-02	-1.947E-03	2.028E+03	4.883E+00	0.000E+00
54	5.400E+01	8.539E-03	-1.781E-03	2.037E+03	4.883E+00	0.000E+00
55	5.500E+01	6.924E-03	-1.615E-03	2.046E+03	4.883E+00	0.000E+00
56	5.600E+01	5.477E-03	-1.447E-03	2.054E+03	4.883E+00	0.000E+00
57	5.700E+01	4.197E-03	-1.279E-03	2.062E+03	4.883E+00	0.000E+00
58	5.800E+01	3.087E-03	-1.110E-03	2.070E+03	4.884E+00	0.000E+00
59	5.900E+01	2.146E-03	-9.411E-04	2.077E+03	4.883E+00	0.000E+00
60	6.000E+01	1.375E-03	-7.712E-04	2.084E+03	4.883E+00	0.000E+00
61	6.100E+01	7.740E-04	-6.007E-04	2.090E+03	4.883E+00	0.000E+00
62	6.200E+01	3.443E-04	-4.296E-04	2.096E+03	4.883E+00	0.000E+00
63	6.300E+01	8.619E-05	-2.581E-04	2.101E+03	4.884E+00	0.000E+00
64	6.400E+01	0.000E+00	-8.619E-05	1.053E+03	-1.048E+03	-4.883E+00
65	6.500E+01	8.619E-05	8.619E-05	0.000E+00	-1.053E+03	0.000E+00

PROB (CONTD)

3 Live Load Case A, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.984E-01	999		3.984E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		4.476E+02	999		4.476E+02	999	
1	3.757E-01	999		3.757E-01	0		9.259E+02	999		9.259E+02	999	
2	3.645E-01	0		3.645E-01	999		9.564E+02	999		9.564E+02	999	
3	3.534E-01	999		3.534E-01	0		9.867E+02	999		9.867E+02	999	
4	3.424E-01	0		3.424E-01	999		1.017E+03	999		1.017E+03	999	
5	3.316E-01	0		3.316E-01	999		1.046E+03	999		1.046E+03	999	
6	3.208E-01	0		3.208E-01	999		1.076E+03	999		1.076E+03	999	
7	3.102E-01	0		3.102E-01	999		1.105E+03	999		1.105E+03	999	
8	2.997E-01	999		2.997E-01	0		1.134E+03	999		1.134E+03	999	
9	2.894E-01	999		2.894E-01	0		1.163E+03	999		1.163E+03	999	
10	2.792E-01	0		2.792E-01	999		1.191E+03	999		1.191E+03	999	
11	2.691E-01	0		2.691E-01	999		1.219E+03	999		1.219E+03	999	
12	2.592E-01	0		2.592E-01	999		1.247E+03	999		1.247E+03	999	
13	2.494E-01	999		2.494E-01	0		1.274E+03	999		1.274E+03	999	
14	2.398E-01	999		2.398E-01	0		1.301E+03	999		1.301E+03	999	
15	2.303E-01	999		2.303E-01	0		1.328E+03	999		1.328E+03	999	
16	2.210E-01	0		2.210E-01	999		1.354E+03	999		1.354E+03	999	
17	2.119E-01	999		2.119E-01	0		1.380E+03	999		1.380E+03	999	
18	2.029E-01	999		2.029E-01	0		1.406E+03	999		1.406E+03	999	
19	1.940E-01	999		1.940E-01	0		1.431E+03	999		1.431E+03	999	
20	1.854E-01	0		1.854E-01	999		1.456E+03	999		1.456E+03	999	
21	1.769E-01	999		1.769E-01	0		1.481E+03	999		1.481E+03	999	
22	1.686E-01	0		1.686E-01	999		1.505E+03	999		1.505E+03	999	
23	1.604E-01	0		1.604E-01	999		1.529E+03	999		1.529E+03	999	
24	1.525E-01	0		1.525E-01	999		1.552E+03	999		1.552E+03	999	
25	1.447E-01	0		1.447E-01	999		1.575E+03	999		1.575E+03	999	
26	1.371E-01	999		1.371E-01	0		1.597E+03	999		1.597E+03	999	
27	1.297E-01	999		1.297E-01	0		1.619E+03	999		1.619E+03	999	
28	1.225E-01	999		1.225E-01	0		1.641E+03	999		1.641E+03	999	
29	1.155E-01	0		1.155E-01	999		1.662E+03	999		1.662E+03	999	
30	1.087E-01	999		1.087E-01	0		1.683E+03	999		1.683E+03	999	
31	1.020E-01	0		1.020E-01	999		1.703E+03	999		1.703E+03	999	
32	9.560E-02	999		9.560E-02	0		1.723E+03	999		1.723E+03	999	
33	8.938E-02	0		8.938E-02	999		1.743E+03	999		1.743E+03	999	
34	8.337E-02	0		8.337E-02	999		1.762E+03	999		1.762E+03	999	
35	7.756E-02	0		7.756E-02	999		1.780E+03	999		1.780E+03	999	
36	7.196E-02	0		7.196E-02	999		1.798E+03	999		1.798E+03	999	
37	6.657E-02	0		6.657E-02	999		1.816E+03	999		1.816E+03	999	
38	6.140E-02	999		6.140E-02	0		1.833E+03	999		1.833E+03	999	
39	5.644E-02	999		5.644E-02	0		1.849E+03	999		1.849E+03	999	
40	5.170E-02	0		5.170E-02	999		1.865E+03	999		1.865E+03	999	
41	4.718E-02	0		4.718E-02	999		1.881E+03	999		1.881E+03	999	
42	4.288E-02	0		4.288E-02	999		1.896E+03	999		1.896E+03	999	
43	3.881E-02	999		3.881E-02	0		1.910E+03	999		1.910E+03	999	
44	3.495E-02	0		3.495E-02	999		1.924E+03	999		1.924E+03	999	
45	3.133E-02	0		3.133E-02	999		1.938E+03	999		1.938E+03	999	
46	2.793E-02	999		2.793E-02	0		1.951E+03	999		1.951E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.477E-02		0	2.477E-02		999	1.963E+03		999	1.963E+03		999
48	2.183E-02		0	2.183E-02		999	1.975E+03		999	1.975E+03		999
49	1.913E-02		0	1.913E-02		999	1.987E+03		999	1.987E+03		999
50	1.666E-02		999	1.666E-02		0	1.998E+03		999	1.998E+03		999
51	1.438E-02		0	1.438E-02		999	2.008E+03		999	2.008E+03		999
52	1.227E-02		999	1.227E-02		0	2.018E+03		999	2.018E+03		999
53	1.032E-02		999	1.032E-02		0	2.028E+03		999	2.028E+03		999
54	8.539E-03		0	8.539E-03		999	2.037E+03		999	2.037E+03		999
55	6.924E-03		999	6.924E-03		0	2.046E+03		999	2.046E+03		999
56	5.477E-03		0	5.477E-03		999	2.054E+03		999	2.054E+03		999
57	4.197E-03		999	4.197E-03		0	2.062E+03		999	2.062E+03		999
58	3.087E-03		999	3.087E-03		0	2.070E+03		999	2.070E+03		999
59	2.146E-03		999	2.146E-03		0	2.077E+03		999	2.077E+03		999
60	1.375E-03		999	1.375E-03		0	2.084E+03		999	2.084E+03		999
61	7.740E-04		999	7.740E-04		0	2.090E+03		999	2.090E+03		999
62	3.443E-04		0	3.443E-04		999	2.096E+03		999	2.096E+03		999
63	8.619E-05		0	8.619E-05		999	2.101E+03		999	2.101E+03		999
64	0.000E+00		999	0.000E+00		999	1.053E+03		999	1.053E+03		999
65	8.619E-05		0	8.619E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	4.476E+02 999	4.476E+02 999	-2.447E+01 999	-2.447E+01 999
1	4.508E+02 999	4.508E+02 999	0.000E+00 999	0.000E+00 999
2	3.283E+00 999	3.283E+00 999	0.000E+00 999	0.000E+00 999
3	3.316E+00 999	3.316E+00 999	0.000E+00 999	0.000E+00 999
4	3.349E+00 999	3.349E+00 999	0.000E+00 999	0.000E+00 999
5	3.382E+00 999	3.382E+00 999	0.000E+00 999	0.000E+00 999
6	3.415E+00 999	3.415E+00 999	0.000E+00 999	0.000E+00 999
7	3.448E+00 999	3.448E+00 999	0.000E+00 999	0.000E+00 999
8	3.481E+00 999	3.481E+00 999	0.000E+00 999	0.000E+00 999
9	3.514E+00 999	3.514E+00 999	0.000E+00 999	0.000E+00 999
10	3.547E+00 999	3.547E+00 999	0.000E+00 999	0.000E+00 999
11	3.580E+00 999	3.580E+00 999	0.000E+00 999	0.000E+00 999
12	3.613E+00 999	3.613E+00 999	0.000E+00 999	0.000E+00 999
13	3.646E+00 999	3.646E+00 999	0.000E+00 999	0.000E+00 999
14	3.679E+00 999	3.679E+00 999	0.000E+00 999	0.000E+00 999
15	3.712E+00 999	3.712E+00 999	0.000E+00 999	0.000E+00 999
16	3.745E+00 999	3.745E+00 999	0.000E+00 999	0.000E+00 999
17	3.778E+00 999	3.778E+00 999	0.000E+00 999	0.000E+00 999
18	3.811E+00 999	3.811E+00 999	0.000E+00 999	0.000E+00 999
19	3.844E+00 999	3.844E+00 999	0.000E+00 999	0.000E+00 999
20	3.877E+00 999	3.877E+00 999	0.000E+00 999	0.000E+00 999
21	3.910E+00 999	3.910E+00 999	0.000E+00 999	0.000E+00 999
22	3.943E+00 999	3.943E+00 999	0.000E+00 999	0.000E+00 999
23	3.976E+00 999	3.976E+00 999	0.000E+00 999	0.000E+00 999
24	4.009E+00 999	4.009E+00 999	0.000E+00 999	0.000E+00 999
25	4.042E+00 999	4.042E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	4.075E+00 999	4.075E+00 999	0.000E+00 999	0.000E+00 999
27	4.108E+00 999	4.108E+00 999	0.000E+00 999	0.000E+00 999
28	4.141E+00 999	4.141E+00 999	0.000E+00 999	0.000E+00 999
29	4.174E+00 999	4.174E+00 999	0.000E+00 999	0.000E+00 999
30	4.207E+00 999	4.207E+00 999	0.000E+00 999	0.000E+00 999
31	4.240E+00 999	4.240E+00 999	0.000E+00 999	0.000E+00 999
32	4.273E+00 999	4.273E+00 999	0.000E+00 999	0.000E+00 999
33	4.306E+00 999	4.306E+00 999	0.000E+00 999	0.000E+00 999
34	4.339E+00 999	4.339E+00 999	0.000E+00 999	0.000E+00 999
35	4.372E+00 999	4.372E+00 999	0.000E+00 999	0.000E+00 999
36	4.405E+00 999	4.405E+00 999	0.000E+00 999	0.000E+00 999
37	4.438E+00 999	4.438E+00 999	0.000E+00 999	0.000E+00 999
38	4.471E+00 999	4.471E+00 999	0.000E+00 999	0.000E+00 999
39	4.504E+00 999	4.504E+00 999	0.000E+00 999	0.000E+00 999
40	4.537E+00 999	4.537E+00 999	0.000E+00 999	0.000E+00 999
41	4.570E+00 999	4.570E+00 999	0.000E+00 999	0.000E+00 999
42	4.603E+00 999	4.603E+00 999	0.000E+00 999	0.000E+00 999
43	4.636E+00 999	4.636E+00 999	0.000E+00 999	0.000E+00 999
44	4.669E+00 999	4.669E+00 999	0.000E+00 999	0.000E+00 999
45	4.702E+00 999	4.702E+00 999	0.000E+00 999	0.000E+00 999
46	4.735E+00 999	4.735E+00 999	0.000E+00 999	0.000E+00 999
47	4.768E+00 999	4.768E+00 999	0.000E+00 999	0.000E+00 999
48	4.801E+00 999	4.801E+00 999	0.000E+00 999	0.000E+00 999
49	4.834E+00 999	4.834E+00 999	0.000E+00 999	0.000E+00 999
50	4.867E+00 999	4.867E+00 999	0.000E+00 999	0.000E+00 999
51	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
53	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
54	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
55	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
56	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
57	4.884E+00 999	4.884E+00 999	0.000E+00 999	0.000E+00 999
58	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
59	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
60	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
61	4.883E+00 999	4.883E+00 999	0.000E+00 999	0.000E+00 999
62	4.884E+00 999	4.884E+00 999	0.000E+00 999	0.000E+00 999
63	4.884E+00 999	4.884E+00 999	0.000E+00 999	0.000E+00 999
64	-1.048E+03 999	-1.048E+03 999	-4.883E+00 999	-4.883E+00 999
65	-1.053E+03 999	-1.053E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	8.060E+01	0.000E+00	1.039E+03	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	6.200E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 4        Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.542E-01		0.000E+00		0.000E+00
			-4.887E-03		5.196E+02	
0	0.000E+00	1.493E-01		5.196E+02		0.000E+00
			-4.856E-03		6.002E+02	
1	1.000E+00	1.444E-01		1.132E+03		0.000E+00
			-4.823E-03		8.069E+01	
2	2.000E+00	1.396E-01		1.224E+03		0.000E+00
			-4.787E-03		8.075E+01	
3	3.000E+00	1.348E-01		1.316E+03		0.000E+00
			-4.748E-03		8.082E+01	
4	4.000E+00	1.301E-01		1.409E+03		0.000E+00
			-4.707E-03		8.088E+01	
5	5.000E+00	1.254E-01		1.501E+03		0.000E+00
			-4.663E-03		8.094E+01	
6	6.000E+00	1.207E-01		1.593E+03		0.000E+00
			-4.616E-03		8.100E+01	
7	7.000E+00	1.161E-01		1.686E+03		0.000E+00
			-4.566E-03		8.106E+01	
8	8.000E+00	1.115E-01		1.778E+03		0.000E+00
			-4.514E-03		8.113E+01	
9	9.000E+00	1.070E-01		1.870E+03		0.000E+00
			-4.459E-03		8.119E+01	
10	1.000E+01	1.026E-01		1.962E+03		0.000E+00
			-4.401E-03		8.125E+01	
11	1.100E+01	9.816E-02		2.054E+03		0.000E+00
			-4.341E-03		8.131E+01	
12	1.200E+01	9.382E-02		2.146E+03		0.000E+00
			-4.277E-03		8.138E+01	
13	1.300E+01	8.954E-02		2.237E+03		0.000E+00
			-4.212E-03		8.144E+01	
14	1.400E+01	8.533E-02		2.329E+03		0.000E+00
			-4.143E-03		8.150E+01	
15	1.500E+01	8.119E-02		2.421E+03		0.000E+00
			-4.072E-03		8.156E+01	
16	1.600E+01	7.712E-02		2.512E+03		0.000E+00
			-3.998E-03		8.162E+01	
17	1.700E+01	7.312E-02		2.603E+03		0.000E+00
			-3.921E-03		8.168E+01	
18	1.800E+01	6.920E-02		2.695E+03		0.000E+00
			-3.842E-03		8.175E+01	
19	1.900E+01	6.535E-02		2.786E+03		0.000E+00
			-3.760E-03		8.181E+01	
20	2.000E+01	6.159E-02		2.877E+03		0.000E+00
			-3.675E-03		8.187E+01	
21	2.100E+01	5.792E-02		2.967E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.433E-02	-3.588E-03	3.058E+03	8.193E+01	0.000E+00
23	2.300E+01	5.083E-02	-3.498E-03	3.149E+03	8.200E+01	0.000E+00
24	2.400E+01	4.743E-02	-3.405E-03	3.239E+03	8.206E+01	0.000E+00
25	2.500E+01	4.412E-02	-3.310E-03	3.329E+03	8.212E+01	0.000E+00
26	2.600E+01	4.091E-02	-3.212E-03	3.419E+03	8.218E+01	0.000E+00
27	2.700E+01	3.779E-02	-3.111E-03	3.509E+03	8.224E+01	0.000E+00
28	2.800E+01	3.479E-02	-3.008E-03	3.598E+03	8.231E+01	0.000E+00
29	2.900E+01	3.188E-02	-2.902E-03	3.688E+03	8.237E+01	0.000E+00
30	3.000E+01	2.909E-02	-2.794E-03	3.777E+03	8.243E+01	0.000E+00
31	3.100E+01	2.641E-02	-2.683E-03	3.866E+03	8.249E+01	0.000E+00
32	3.200E+01	2.384E-02	-2.569E-03	3.955E+03	8.255E+01	0.000E+00
33	3.300E+01	2.139E-02	-2.452E-03	4.043E+03	8.261E+01	0.000E+00
34	3.400E+01	1.905E-02	-2.333E-03	4.132E+03	8.268E+01	0.000E+00
35	3.500E+01	1.684E-02	-2.212E-03	4.220E+03	8.274E+01	0.000E+00
36	3.600E+01	1.475E-02	-2.088E-03	4.308E+03	8.280E+01	0.000E+00
37	3.700E+01	1.279E-02	-1.961E-03	4.395E+03	8.286E+01	0.000E+00
38	3.800E+01	1.096E-02	-1.832E-03	4.483E+03	8.293E+01	0.000E+00
39	3.900E+01	9.262E-03	-1.700E-03	4.570E+03	8.299E+01	0.000E+00
40	4.000E+01	7.696E-03	-1.565E-03	4.657E+03	8.305E+01	0.000E+00
41	4.100E+01	6.268E-03	-1.428E-03	4.743E+03	8.311E+01	0.000E+00
42	4.200E+01	4.980E-03	-1.289E-03	4.830E+03	8.317E+01	0.000E+00
43	4.300E+01	3.833E-03	-1.146E-03	4.916E+03	8.323E+01	0.000E+00
44	4.400E+01	2.832E-03	-1.002E-03	5.001E+03	8.330E+01	0.000E+00
45	4.500E+01	1.977E-03	-8.545E-04	5.087E+03	8.336E+01	0.000E+00
46	4.600E+01	1.272E-03	-7.048E-04	5.172E+03	8.342E+01	0.000E+00
47	4.700E+01	7.197E-04	-5.526E-04	5.257E+03	8.348E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.218E-04	-3.979E-04	5.341E+03	8.354E+01	0.000E+00
49	4.900E+01	8.107E-05	-2.407E-04	5.425E+03	8.361E+01	0.000E+00
50	5.000E+01	0.000E+00	-8.107E-05	2.755E+03	-2.671E+03	-8.370E+01
51	5.100E+01	8.107E-05	8.107E-05	0.000E+00	-2.755E+03	0.000E+00

PROB (CONTD)

4 Live Load Case A, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.542E-01		0	1.542E-01		999	0.000E+00		999	0.000E+00		999
0	1.493E-01		999	1.493E-01		0	5.196E+02		999	5.196E+02		999
1	1.444E-01		0	1.444E-01		999	1.132E+03		999	1.132E+03		999
2	1.396E-01		0	1.396E-01		999	1.224E+03		999	1.224E+03		999
3	1.348E-01		0	1.348E-01		999	1.316E+03		999	1.316E+03		999
4	1.301E-01		999	1.301E-01		0	1.409E+03		999	1.409E+03		999
5	1.254E-01		0	1.254E-01		999	1.501E+03		999	1.501E+03		999
6	1.207E-01		999	1.207E-01		0	1.593E+03		999	1.593E+03		999
7	1.161E-01		0	1.161E-01		999	1.686E+03		999	1.686E+03		999
8	1.115E-01		999	1.115E-01		0	1.778E+03		999	1.778E+03		999
9	1.070E-01		0	1.070E-01		999	1.870E+03		999	1.870E+03		999
10	1.026E-01		0	1.026E-01		999	1.962E+03		999	1.962E+03		999
11	9.816E-02		0	9.816E-02		999	2.054E+03		999	2.054E+03		999
12	9.382E-02		0	9.382E-02		999	2.146E+03		999	2.146E+03		999
13	8.954E-02		0	8.954E-02		999	2.237E+03		999	2.237E+03		999
14	8.533E-02		0	8.533E-02		999	2.329E+03		999	2.329E+03		999
15	8.119E-02		0	8.119E-02		999	2.421E+03		999	2.421E+03		999
16	7.712E-02		0	7.712E-02		999	2.512E+03		999	2.512E+03		999
17	7.312E-02		0	7.312E-02		999	2.603E+03		999	2.603E+03		999
18	6.920E-02		999	6.920E-02		0	2.695E+03		999	2.695E+03		999
19	6.535E-02		999	6.535E-02		0	2.786E+03		999	2.786E+03		999
20	6.159E-02		999	6.159E-02		0	2.877E+03		999	2.877E+03		999
21	5.792E-02		0	5.792E-02		999	2.967E+03		999	2.967E+03		999
22	5.433E-02		999	5.433E-02		0	3.058E+03		999	3.058E+03		999
23	5.083E-02		999	5.083E-02		0	3.149E+03		999	3.149E+03		999
24	4.743E-02		0	4.743E-02		999	3.239E+03		999	3.239E+03		999
25	4.412E-02		999	4.412E-02		0	3.329E+03		999	3.329E+03		999
26	4.091E-02		0	4.091E-02		999	3.419E+03		999	3.419E+03		999
27	3.779E-02		0	3.779E-02		999	3.509E+03		999	3.509E+03		999
28	3.479E-02		0	3.479E-02		999	3.598E+03		999	3.598E+03		999
29	3.188E-02		999	3.188E-02		0	3.688E+03		999	3.688E+03		999
30	2.909E-02		999	2.909E-02		0	3.777E+03		999	3.777E+03		999
31	2.641E-02		0	2.641E-02		999	3.866E+03		999	3.866E+03		999
32	2.384E-02		999	2.384E-02		0	3.955E+03		999	3.955E+03		999
33	2.139E-02		999	2.139E-02		0	4.043E+03		999	4.043E+03		999
34	1.905E-02		0	1.905E-02		999	4.132E+03		999	4.132E+03		999
35	1.684E-02		0	1.684E-02		999	4.220E+03		999	4.220E+03		999
36	1.475E-02		999	1.475E-02		0	4.308E+03		999	4.308E+03		999
37	1.279E-02		0	1.279E-02		999	4.395E+03		999	4.395E+03		999
38	1.096E-02		999	1.096E-02		0	4.483E+03		999	4.483E+03		999
39	9.262E-03		0	9.262E-03		999	4.570E+03		999	4.570E+03		999
40	7.696E-03		999	7.696E-03		0	4.657E+03		999	4.657E+03		999
41	6.268E-03		0	6.268E-03		999	4.743E+03		999	4.743E+03		999
42	4.980E-03		999	4.980E-03		0	4.830E+03		999	4.830E+03		999
43	3.833E-03		999	3.833E-03		0	4.916E+03		999	4.916E+03		999
44	2.832E-03		0	2.832E-03		999	5.001E+03		999	5.001E+03		999
45	1.977E-03		999	1.977E-03		0	5.087E+03		999	5.087E+03		999
46	1.272E-03		0	1.272E-03		999	5.172E+03		999	5.172E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	7.197E-04		0	7.197E-04		999	5.257E+03		999	5.257E+03		999
48	3.218E-04		0	3.218E-04		999	5.341E+03		999	5.341E+03		999
49	8.107E-05		0	8.107E-05		999	5.425E+03		999	5.425E+03		999
50	0.000E+00		999	0.000E+00		999	2.755E+03		999	2.755E+03		999
51	8.107E-05		0	8.107E-05		999	0.000E+00		999	0.000E+00		999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.196E+02 999	5.196E+02 999	0.000E+00 999	0.000E+00 999
0	6.002E+02 999	6.002E+02 999	0.000E+00 999	0.000E+00 999
1	8.069E+01 999	8.069E+01 999	0.000E+00 999	0.000E+00 999
2	8.075E+01 999	8.075E+01 999	0.000E+00 999	0.000E+00 999
3	8.082E+01 999	8.082E+01 999	0.000E+00 999	0.000E+00 999
4	8.088E+01 999	8.088E+01 999	0.000E+00 999	0.000E+00 999
5	8.094E+01 999	8.094E+01 999	0.000E+00 999	0.000E+00 999
6	8.100E+01 999	8.100E+01 999	0.000E+00 999	0.000E+00 999
7	8.106E+01 999	8.106E+01 999	0.000E+00 999	0.000E+00 999
8	8.113E+01 999	8.113E+01 999	0.000E+00 999	0.000E+00 999
9	8.119E+01 999	8.119E+01 999	0.000E+00 999	0.000E+00 999
10	8.125E+01 999	8.125E+01 999	0.000E+00 999	0.000E+00 999
11	8.131E+01 999	8.131E+01 999	0.000E+00 999	0.000E+00 999
12	8.138E+01 999	8.138E+01 999	0.000E+00 999	0.000E+00 999
13	8.144E+01 999	8.144E+01 999	0.000E+00 999	0.000E+00 999
14	8.150E+01 999	8.150E+01 999	0.000E+00 999	0.000E+00 999
15	8.156E+01 999	8.156E+01 999	0.000E+00 999	0.000E+00 999
16	8.162E+01 999	8.162E+01 999	0.000E+00 999	0.000E+00 999
17	8.168E+01 999	8.168E+01 999	0.000E+00 999	0.000E+00 999
18	8.175E+01 999	8.175E+01 999	0.000E+00 999	0.000E+00 999
19	8.181E+01 999	8.181E+01 999	0.000E+00 999	0.000E+00 999
20	8.187E+01 999	8.187E+01 999	0.000E+00 999	0.000E+00 999
21	8.193E+01 999	8.193E+01 999	0.000E+00 999	0.000E+00 999
22	8.200E+01 999	8.200E+01 999	0.000E+00 999	0.000E+00 999
23	8.206E+01 999	8.206E+01 999	0.000E+00 999	0.000E+00 999
24	8.212E+01 999	8.212E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	8.218E+01 999	8.218E+01 999	0.000E+00 999	0.000E+00 999
27	8.224E+01 999	8.224E+01 999	0.000E+00 999	0.000E+00 999
28	8.231E+01 999	8.231E+01 999	0.000E+00 999	0.000E+00 999
29	8.237E+01 999	8.237E+01 999	0.000E+00 999	0.000E+00 999
30	8.243E+01 999	8.243E+01 999	0.000E+00 999	0.000E+00 999
31	8.249E+01 999	8.249E+01 999	0.000E+00 999	0.000E+00 999
32	8.255E+01 999	8.255E+01 999	0.000E+00 999	0.000E+00 999
33	8.261E+01 999	8.261E+01 999	0.000E+00 999	0.000E+00 999
34	8.268E+01 999	8.268E+01 999	0.000E+00 999	0.000E+00 999
35	8.274E+01 999	8.274E+01 999	0.000E+00 999	0.000E+00 999
36	8.280E+01 999	8.280E+01 999	0.000E+00 999	0.000E+00 999
37	8.286E+01 999	8.286E+01 999	0.000E+00 999	0.000E+00 999
38	8.293E+01 999	8.293E+01 999	0.000E+00 999	0.000E+00 999
39	8.299E+01 999	8.299E+01 999	0.000E+00 999	0.000E+00 999
40	8.305E+01 999	8.305E+01 999	0.000E+00 999	0.000E+00 999
41	8.311E+01 999	8.311E+01 999	0.000E+00 999	0.000E+00 999
42	8.317E+01 999	8.317E+01 999	0.000E+00 999	0.000E+00 999
43	8.323E+01 999	8.323E+01 999	0.000E+00 999	0.000E+00 999
44	8.330E+01 999	8.330E+01 999	0.000E+00 999	0.000E+00 999
45	8.336E+01 999	8.336E+01 999	0.000E+00 999	0.000E+00 999
46	8.342E+01 999	8.342E+01 999	0.000E+00 999	0.000E+00 999
47	8.348E+01 999	8.348E+01 999	0.000E+00 999	0.000E+00 999
48	8.354E+01 999	8.354E+01 999	0.000E+00 999	0.000E+00 999
49	8.361E+01 999	8.361E+01 999	0.000E+00 999	0.000E+00 999
50	-2.671E+03 999	-2.671E+03 999	-8.370E+01 999	-8.370E+01 999
51	-2.755E+03 999	-2.755E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER			
		2	3	4	5
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0
		DEFL	MOM	SHR	RCT
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	3.140E+01	0.000E+00	9.283E+02	0.000E+00	-2.429E+03
0	50	0	8.496E+06	6.400E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.985E-01		0.000E+00		0.000E+00
			-1.146E-02		4.641E+02	
0	0.000E+00	3.870E-01		4.641E+02		-2.969E+01
			-1.136E-02		4.659E+02	
1	1.000E+00	3.756E-01		9.576E+02		0.000E+00
			-1.124E-02		1.801E+00	
2	2.000E+00	3.644E-01		9.867E+02		0.000E+00
			-1.113E-02		1.865E+00	
3	3.000E+00	3.533E-01		1.016E+03		0.000E+00
			-1.101E-02		1.929E+00	
4	4.000E+00	3.423E-01		1.044E+03		0.000E+00
			-1.088E-02		1.993E+00	
5	5.000E+00	3.314E-01		1.073E+03		0.000E+00
			-1.076E-02		2.057E+00	
6	6.000E+00	3.206E-01		1.101E+03		0.000E+00
			-1.063E-02		2.121E+00	
7	7.000E+00	3.100E-01		1.129E+03		0.000E+00
			-1.050E-02		2.185E+00	
8	8.000E+00	2.995E-01		1.156E+03		0.000E+00
			-1.036E-02		2.249E+00	
9	9.000E+00	2.891E-01		1.184E+03		0.000E+00
			-1.022E-02		2.313E+00	
10	1.000E+01	2.789E-01		1.211E+03		0.000E+00
			-1.008E-02		2.377E+00	
11	1.100E+01	2.688E-01		1.238E+03		0.000E+00
			-9.932E-03		2.441E+00	
12	1.200E+01	2.589E-01		1.264E+03		0.000E+00
			-9.783E-03		2.505E+00	
13	1.300E+01	2.491E-01		1.291E+03		0.000E+00
			-9.631E-03		2.569E+00	
14	1.400E+01	2.395E-01		1.317E+03		0.000E+00
			-9.476E-03		2.633E+00	
15	1.500E+01	2.300E-01		1.342E+03		0.000E+00
			-9.318E-03		2.697E+00	
16	1.600E+01	2.207E-01		1.368E+03		0.000E+00
			-9.157E-03		2.761E+00	
17	1.700E+01	2.115E-01		1.393E+03		0.000E+00
			-8.993E-03		2.825E+00	
18	1.800E+01	2.026E-01		1.417E+03		0.000E+00
			-8.826E-03		2.889E+00	
19	1.900E+01	1.937E-01		1.442E+03		0.000E+00
			-8.657E-03		2.953E+00	
20	2.000E+01	1.851E-01		1.466E+03		0.000E+00
			-8.484E-03		3.017E+00	
21	2.100E+01	1.766E-01		1.489E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.683E-01	-8.309E-03	1.513E+03	3.081E+00	0.000E+00
23	2.300E+01	1.601E-01	-8.131E-03	1.535E+03	3.145E+00	0.000E+00
24	2.400E+01	1.522E-01	-7.950E-03	1.558E+03	3.209E+00	0.000E+00
25	2.500E+01	1.444E-01	-7.767E-03	1.580E+03	3.273E+00	0.000E+00
26	2.600E+01	1.368E-01	-7.581E-03	1.602E+03	3.337E+00	0.000E+00
27	2.700E+01	1.295E-01	-7.392E-03	1.623E+03	3.401E+00	0.000E+00
28	2.800E+01	1.223E-01	-7.201E-03	1.644E+03	3.465E+00	0.000E+00
29	2.900E+01	1.152E-01	-7.008E-03	1.665E+03	3.529E+00	0.000E+00
30	3.000E+01	1.084E-01	-6.812E-03	1.685E+03	3.593E+00	0.000E+00
31	3.100E+01	1.018E-01	-6.613E-03	1.705E+03	3.657E+00	0.000E+00
32	3.200E+01	9.541E-02	-6.413E-03	1.724E+03	3.721E+00	0.000E+00
33	3.300E+01	8.920E-02	-6.210E-03	1.743E+03	3.785E+00	0.000E+00
34	3.400E+01	8.320E-02	-6.005E-03	1.761E+03	3.849E+00	0.000E+00
35	3.500E+01	7.740E-02	-5.798E-03	1.779E+03	3.913E+00	0.000E+00
36	3.600E+01	7.181E-02	-5.588E-03	1.797E+03	3.977E+00	0.000E+00
37	3.700E+01	6.643E-02	-5.377E-03	1.814E+03	4.041E+00	0.000E+00
38	3.800E+01	6.127E-02	-5.163E-03	1.830E+03	4.105E+00	0.000E+00
39	3.900E+01	5.632E-02	-4.948E-03	1.847E+03	4.169E+00	0.000E+00
40	4.000E+01	5.159E-02	-4.730E-03	1.862E+03	4.233E+00	0.000E+00
41	4.100E+01	4.708E-02	-4.511E-03	1.878E+03	4.297E+00	0.000E+00
42	4.200E+01	4.279E-02	-4.290E-03	1.892E+03	4.361E+00	0.000E+00
43	4.300E+01	3.872E-02	-4.067E-03	1.907E+03	4.425E+00	0.000E+00
44	4.400E+01	3.488E-02	-3.843E-03	1.920E+03	4.489E+00	0.000E+00
45	4.500E+01	3.126E-02	-3.617E-03	1.934E+03	4.553E+00	0.000E+00
46	4.600E+01	2.787E-02	-3.389E-03	1.947E+03	4.617E+00	0.000E+00
47	4.700E+01	2.471E-02	-3.160E-03	1.959E+03	4.681E+00	0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.178E-02	-2.930E-03	1.971E+03	4.745E+00	0.000E+00
49	4.900E+01	1.909E-02	-2.698E-03	1.982E+03	4.809E+00	0.000E+00
50	5.000E+01	1.662E-02	-2.464E-03	1.993E+03	4.873E+00	0.000E+00
51	5.100E+01	1.435E-02	-2.272E-03	2.004E+03	4.905E+00	0.000E+00
52	5.200E+01	1.224E-02	-2.108E-03	2.014E+03	4.905E+00	0.000E+00
53	5.300E+01	1.030E-02	-1.943E-03	2.023E+03	4.905E+00	0.000E+00
54	5.400E+01	8.521E-03	-1.778E-03	2.032E+03	4.905E+00	0.000E+00
55	5.500E+01	6.910E-03	-1.611E-03	2.041E+03	4.905E+00	0.000E+00
56	5.600E+01	5.465E-03	-1.444E-03	2.050E+03	4.905E+00	0.000E+00
57	5.700E+01	4.189E-03	-1.277E-03	2.058E+03	4.905E+00	0.000E+00
58	5.800E+01	3.081E-03	-1.108E-03	2.065E+03	4.905E+00	0.000E+00
59	5.900E+01	2.141E-03	-9.392E-04	2.072E+03	4.905E+00	0.000E+00
60	6.000E+01	1.372E-03	-7.696E-04	2.079E+03	4.905E+00	0.000E+00
61	6.100E+01	7.724E-04	-5.994E-04	2.086E+03	4.905E+00	0.000E+00
62	6.200E+01	3.436E-04	-4.288E-04	2.091E+03	4.905E+00	0.000E+00
63	6.300E+01	8.601E-05	-2.576E-04	2.097E+03	4.905E+00	0.000E+00
64	6.400E+01	0.000E+00	-8.601E-05	1.051E+03	-1.046E+03	-4.905E+00
65	6.500E+01	8.601E-05	8.601E-05	0.000E+00	-1.051E+03	0.000E+00

PROB (CONTD)

5 Live Load Case A, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.985E-01		0	3.985E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	4.641E+02		999	4.641E+02		999
1	3.756E-01		999	3.756E-01		0	9.576E+02		999	9.576E+02		999
2	3.644E-01		999	3.644E-01		0	9.867E+02		999	9.867E+02		999
3	3.533E-01		999	3.533E-01		0	1.016E+03		999	1.016E+03		999
4	3.423E-01		0	3.423E-01		999	1.044E+03		999	1.044E+03		999
5	3.314E-01		0	3.314E-01		999	1.073E+03		999	1.073E+03		999
6	3.206E-01		0	3.206E-01		999	1.101E+03		999	1.101E+03		999
7	3.100E-01		0	3.100E-01		999	1.129E+03		999	1.129E+03		999
8	2.995E-01		0	2.995E-01		999	1.156E+03		999	1.156E+03		999
9	2.891E-01		999	2.891E-01		0	1.184E+03		999	1.184E+03		999
10	2.789E-01		0	2.789E-01		999	1.211E+03		999	1.211E+03		999
11	2.688E-01		999	2.688E-01		0	1.238E+03		999	1.238E+03		999
12	2.589E-01		999	2.589E-01		0	1.264E+03		999	1.264E+03		999
13	2.491E-01		0	2.491E-01		999	1.291E+03		999	1.291E+03		999
14	2.395E-01		999	2.395E-01		0	1.317E+03		999	1.317E+03		999
15	2.300E-01		999	2.300E-01		0	1.342E+03		999	1.342E+03		999
16	2.207E-01		999	2.207E-01		0	1.368E+03		999	1.368E+03		999
17	2.115E-01		0	2.115E-01		999	1.393E+03		999	1.393E+03		999
18	2.026E-01		999	2.026E-01		0	1.417E+03		999	1.417E+03		999
19	1.937E-01		0	1.937E-01		999	1.442E+03		999	1.442E+03		999
20	1.851E-01		0	1.851E-01		999	1.466E+03		999	1.466E+03		999
21	1.766E-01		999	1.766E-01		0	1.489E+03		999	1.489E+03		999
22	1.683E-01		0	1.683E-01		999	1.513E+03		999	1.513E+03		999
23	1.601E-01		0	1.601E-01		999	1.535E+03		999	1.535E+03		999
24	1.522E-01		999	1.522E-01		0	1.558E+03		999	1.558E+03		999
25	1.444E-01		0	1.444E-01		999	1.580E+03		999	1.580E+03		999
26	1.368E-01		0	1.368E-01		999	1.602E+03		999	1.602E+03		999
27	1.295E-01		999	1.295E-01		0	1.623E+03		999	1.623E+03		999
28	1.223E-01		0	1.223E-01		999	1.644E+03		999	1.644E+03		999
29	1.152E-01		0	1.152E-01		999	1.665E+03		999	1.665E+03		999
30	1.084E-01		999	1.084E-01		0	1.685E+03		999	1.685E+03		999
31	1.018E-01		999	1.018E-01		0	1.705E+03		999	1.705E+03		999
32	9.541E-02		0	9.541E-02		999	1.724E+03		999	1.724E+03		999
33	8.920E-02		0	8.920E-02		999	1.743E+03		999	1.743E+03		999
34	8.320E-02		999	8.320E-02		0	1.761E+03		999	1.761E+03		999
35	7.740E-02		0	7.740E-02		999	1.779E+03		999	1.779E+03		999
36	7.181E-02		0	7.181E-02		999	1.797E+03		999	1.797E+03		999
37	6.643E-02		0	6.643E-02		999	1.814E+03		999	1.814E+03		999
38	6.127E-02		0	6.127E-02		999	1.830E+03		999	1.830E+03		999
39	5.632E-02		0	5.632E-02		999	1.847E+03		999	1.847E+03		999
40	5.159E-02		0	5.159E-02		999	1.862E+03		999	1.862E+03		999
41	4.708E-02		999	4.708E-02		0	1.878E+03		999	1.878E+03		999
42	4.279E-02		999	4.279E-02		0	1.892E+03		999	1.892E+03		999
43	3.872E-02		999	3.872E-02		0	1.907E+03		999	1.907E+03		999
44	3.488E-02		0	3.488E-02		999	1.920E+03		999	1.920E+03		999
45	3.126E-02		999	3.126E-02		0	1.934E+03		999	1.934E+03		999
46	2.787E-02		999	2.787E-02		0	1.947E+03		999	1.947E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.471E-02		0	2.471E-02		999	1.959E+03		999	1.959E+03		999
48	2.178E-02		999	2.178E-02		0	1.971E+03		999	1.971E+03		999
49	1.909E-02		0	1.909E-02		999	1.982E+03		999	1.982E+03		999
50	1.662E-02		999	1.662E-02		0	1.993E+03		999	1.993E+03		999
51	1.435E-02		999	1.435E-02		0	2.004E+03		999	2.004E+03		999
52	1.224E-02		0	1.224E-02		999	2.014E+03		999	2.014E+03		999
53	1.030E-02		999	1.030E-02		0	2.023E+03		999	2.023E+03		999
54	8.521E-03		0	8.521E-03		999	2.032E+03		999	2.032E+03		999
55	6.910E-03		0	6.910E-03		999	2.041E+03		999	2.041E+03		999
56	5.465E-03		999	5.465E-03		0	2.050E+03		999	2.050E+03		999
57	4.189E-03		0	4.189E-03		999	2.058E+03		999	2.058E+03		999
58	3.081E-03		0	3.081E-03		999	2.065E+03		999	2.065E+03		999
59	2.141E-03		0	2.141E-03		999	2.072E+03		999	2.072E+03		999
60	1.372E-03		0	1.372E-03		999	2.079E+03		999	2.079E+03		999
61	7.724E-04		0	7.724E-04		999	2.086E+03		999	2.086E+03		999
62	3.436E-04		0	3.436E-04		999	2.091E+03		999	2.091E+03		999
63	8.601E-05		999	8.601E-05		0	2.097E+03		999	2.097E+03		999
64	0.000E+00		999	0.000E+00		999	1.051E+03		999	1.051E+03		999
65	8.601E-05		999	8.601E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	4.641E+02 999	4.641E+02 999	-2.969E+01 999	-2.969E+01 999
1	4.659E+02 999	4.659E+02 999	0.000E+00 999	0.000E+00 999
2	1.801E+00 999	1.801E+00 999	0.000E+00 999	0.000E+00 999
3	1.865E+00 999	1.865E+00 999	0.000E+00 999	0.000E+00 999
4	1.929E+00 999	1.929E+00 999	0.000E+00 999	0.000E+00 999
5	1.993E+00 999	1.993E+00 999	0.000E+00 999	0.000E+00 999
6	2.057E+00 999	2.057E+00 999	0.000E+00 999	0.000E+00 999
7	2.121E+00 999	2.121E+00 999	0.000E+00 999	0.000E+00 999
8	2.185E+00 999	2.185E+00 999	0.000E+00 999	0.000E+00 999
9	2.249E+00 999	2.249E+00 999	0.000E+00 999	0.000E+00 999
10	2.313E+00 999	2.313E+00 999	0.000E+00 999	0.000E+00 999
11	2.377E+00 999	2.377E+00 999	0.000E+00 999	0.000E+00 999
12	2.441E+00 999	2.441E+00 999	0.000E+00 999	0.000E+00 999
13	2.505E+00 999	2.505E+00 999	0.000E+00 999	0.000E+00 999
14	2.569E+00 999	2.569E+00 999	0.000E+00 999	0.000E+00 999
15	2.633E+00 999	2.633E+00 999	0.000E+00 999	0.000E+00 999
16	2.697E+00 999	2.697E+00 999	0.000E+00 999	0.000E+00 999
17	2.761E+00 999	2.761E+00 999	0.000E+00 999	0.000E+00 999
18	2.825E+00 999	2.825E+00 999	0.000E+00 999	0.000E+00 999
19	2.889E+00 999	2.889E+00 999	0.000E+00 999	0.000E+00 999
20	2.953E+00 999	2.953E+00 999	0.000E+00 999	0.000E+00 999
21	3.017E+00 999	3.017E+00 999	0.000E+00 999	0.000E+00 999
22	3.081E+00 999	3.081E+00 999	0.000E+00 999	0.000E+00 999
23	3.145E+00 999	3.145E+00 999	0.000E+00 999	0.000E+00 999
24	3.209E+00 999	3.209E+00 999	0.000E+00 999	0.000E+00 999
25	3.273E+00 999	3.273E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.337E+00 999	3.337E+00 999	0.000E+00 999	0.000E+00 999
27	3.401E+00 999	3.401E+00 999	0.000E+00 999	0.000E+00 999
28	3.465E+00 999	3.465E+00 999	0.000E+00 999	0.000E+00 999
29	3.529E+00 999	3.529E+00 999	0.000E+00 999	0.000E+00 999
30	3.593E+00 999	3.593E+00 999	0.000E+00 999	0.000E+00 999
31	3.657E+00 999	3.657E+00 999	0.000E+00 999	0.000E+00 999
32	3.721E+00 999	3.721E+00 999	0.000E+00 999	0.000E+00 999
33	3.785E+00 999	3.785E+00 999	0.000E+00 999	0.000E+00 999
34	3.849E+00 999	3.849E+00 999	0.000E+00 999	0.000E+00 999
35	3.913E+00 999	3.913E+00 999	0.000E+00 999	0.000E+00 999
36	3.977E+00 999	3.977E+00 999	0.000E+00 999	0.000E+00 999
37	4.041E+00 999	4.041E+00 999	0.000E+00 999	0.000E+00 999
38	4.105E+00 999	4.105E+00 999	0.000E+00 999	0.000E+00 999
39	4.169E+00 999	4.169E+00 999	0.000E+00 999	0.000E+00 999
40	4.233E+00 999	4.233E+00 999	0.000E+00 999	0.000E+00 999
41	4.297E+00 999	4.297E+00 999	0.000E+00 999	0.000E+00 999
42	4.361E+00 999	4.361E+00 999	0.000E+00 999	0.000E+00 999
43	4.425E+00 999	4.425E+00 999	0.000E+00 999	0.000E+00 999
44	4.489E+00 999	4.489E+00 999	0.000E+00 999	0.000E+00 999
45	4.553E+00 999	4.553E+00 999	0.000E+00 999	0.000E+00 999
46	4.617E+00 999	4.617E+00 999	0.000E+00 999	0.000E+00 999
47	4.681E+00 999	4.681E+00 999	0.000E+00 999	0.000E+00 999
48	4.745E+00 999	4.745E+00 999	0.000E+00 999	0.000E+00 999
49	4.809E+00 999	4.809E+00 999	0.000E+00 999	0.000E+00 999
50	4.873E+00 999	4.873E+00 999	0.000E+00 999	0.000E+00 999
51	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
53	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
54	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
55	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
56	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
57	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
58	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
59	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
60	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
61	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
62	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
63	4.905E+00 999	4.905E+00 999	0.000E+00 999	0.000E+00 999
64	-1.046E+03 999	-1.046E+03 999	-4.905E+00 999	-4.905E+00 999
65	-1.051E+03 999	-1.051E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	7.880E+01	0.000E+00	1.023E+03	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	5.500E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.509E-01		0.000E+00		0.000E+00
			-4.785E-03		5.114E+02	
0	0.000E+00	1.461E-01		5.114E+02		0.000E+00
			-4.755E-03		5.902E+02	
1	1.000E+00	1.413E-01		1.113E+03		0.000E+00
			-4.722E-03		7.888E+01	
2	2.000E+00	1.366E-01		1.204E+03		0.000E+00
			-4.686E-03		7.894E+01	
3	3.000E+00	1.319E-01		1.294E+03		0.000E+00
			-4.648E-03		7.899E+01	
4	4.000E+00	1.273E-01		1.384E+03		0.000E+00
			-4.608E-03		7.905E+01	
5	5.000E+00	1.227E-01		1.474E+03		0.000E+00
			-4.564E-03		7.910E+01	
6	6.000E+00	1.181E-01		1.565E+03		0.000E+00
			-4.518E-03		7.916E+01	
7	7.000E+00	1.136E-01		1.655E+03		0.000E+00
			-4.470E-03		7.921E+01	
8	8.000E+00	1.091E-01		1.745E+03		0.000E+00
			-4.418E-03		7.927E+01	
9	9.000E+00	1.047E-01		1.835E+03		0.000E+00
			-4.364E-03		7.932E+01	
10	1.000E+01	1.003E-01		1.925E+03		0.000E+00
			-4.308E-03		7.938E+01	
11	1.100E+01	9.604E-02		2.015E+03		0.000E+00
			-4.248E-03		7.943E+01	
12	1.200E+01	9.179E-02		2.104E+03		0.000E+00
			-4.186E-03		7.949E+01	
13	1.300E+01	8.760E-02		2.194E+03		0.000E+00
			-4.122E-03		7.954E+01	
14	1.400E+01	8.348E-02		2.283E+03		0.000E+00
			-4.055E-03		7.960E+01	
15	1.500E+01	7.943E-02		2.373E+03		0.000E+00
			-3.985E-03		7.965E+01	
16	1.600E+01	7.544E-02		2.462E+03		0.000E+00
			-3.912E-03		7.971E+01	
17	1.700E+01	7.153E-02		2.551E+03		0.000E+00
			-3.837E-03		7.976E+01	
18	1.800E+01	6.769E-02		2.641E+03		0.000E+00
			-3.759E-03		7.982E+01	
19	1.900E+01	6.393E-02		2.729E+03		0.000E+00
			-3.679E-03		7.987E+01	
20	2.000E+01	6.025E-02		2.818E+03		0.000E+00
			-3.596E-03		7.993E+01	
21	2.100E+01	5.666E-02		2.907E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.315E-02	-3.511E-03	2.995E+03	7.998E+01	0.000E+00
23	2.300E+01	4.972E-02	-3.423E-03	3.084E+03	8.004E+01	0.000E+00
24	2.400E+01	4.639E-02	-3.332E-03	3.172E+03	8.009E+01	0.000E+00
25	2.500E+01	4.315E-02	-3.238E-03	3.260E+03	8.015E+01	0.000E+00
26	2.600E+01	4.001E-02	-3.142E-03	3.348E+03	8.020E+01	0.000E+00
27	2.700E+01	3.697E-02	-3.044E-03	3.435E+03	8.026E+01	0.000E+00
28	2.800E+01	3.402E-02	-2.943E-03	3.523E+03	8.031E+01	0.000E+00
29	2.900E+01	3.118E-02	-2.839E-03	3.610E+03	8.037E+01	0.000E+00
30	3.000E+01	2.845E-02	-2.733E-03	3.697E+03	8.042E+01	0.000E+00
31	3.100E+01	2.583E-02	-2.624E-03	3.784E+03	8.048E+01	0.000E+00
32	3.200E+01	2.331E-02	-2.513E-03	3.871E+03	8.053E+01	0.000E+00
33	3.300E+01	2.092E-02	-2.399E-03	3.957E+03	8.059E+01	0.000E+00
34	3.400E+01	1.863E-02	-2.282E-03	4.043E+03	8.064E+01	0.000E+00
35	3.500E+01	1.647E-02	-2.163E-03	4.129E+03	8.070E+01	0.000E+00
36	3.600E+01	1.443E-02	-2.042E-03	4.215E+03	8.075E+01	0.000E+00
37	3.700E+01	1.251E-02	-1.918E-03	4.300E+03	8.081E+01	0.000E+00
38	3.800E+01	1.072E-02	-1.791E-03	4.386E+03	8.086E+01	0.000E+00
39	3.900E+01	9.057E-03	-1.662E-03	4.471E+03	8.092E+01	0.000E+00
40	4.000E+01	7.526E-03	-1.531E-03	4.555E+03	8.097E+01	0.000E+00
41	4.100E+01	6.129E-03	-1.397E-03	4.640E+03	8.103E+01	0.000E+00
42	4.200E+01	4.869E-03	-1.260E-03	4.724E+03	8.108E+01	0.000E+00
43	4.300E+01	3.748E-03	-1.121E-03	4.808E+03	8.114E+01	0.000E+00
44	4.400E+01	2.769E-03	-9.795E-04	4.891E+03	8.119E+01	0.000E+00
45	4.500E+01	1.933E-03	-8.356E-04	4.975E+03	8.125E+01	0.000E+00
46	4.600E+01	1.244E-03	-6.892E-04	5.058E+03	8.130E+01	0.000E+00
47	4.700E+01	7.037E-04	-5.403E-04	5.140E+03	8.136E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.146E-04	-3.891E-04	5.223E+03	8.141E+01	0.000E+00
49	4.900E+01	7.926E-05	-2.354E-04	5.305E+03	8.147E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.926E-05	2.693E+03	-2.612E+03	-8.155E+01
51	5.100E+01	7.926E-05	7.926E-05	0.000E+00	-2.693E+03	0.000E+00

PROB (CONTD)

6 Live Load Case A, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.509E-01	999		1.509E-01	0		0.000E+00	999		0.000E+00	999	
0	1.461E-01	0		1.461E-01	999		5.114E+02	999		5.114E+02	999	
1	1.413E-01	0		1.413E-01	999		1.113E+03	999		1.113E+03	999	
2	1.366E-01	0		1.366E-01	999		1.204E+03	999		1.204E+03	999	
3	1.319E-01	999		1.319E-01	0		1.294E+03	999		1.294E+03	999	
4	1.273E-01	999		1.273E-01	0		1.384E+03	999		1.384E+03	999	
5	1.227E-01	0		1.227E-01	999		1.474E+03	999		1.474E+03	999	
6	1.181E-01	999		1.181E-01	0		1.565E+03	999		1.565E+03	999	
7	1.136E-01	0		1.136E-01	999		1.655E+03	999		1.655E+03	999	
8	1.091E-01	999		1.091E-01	0		1.745E+03	999		1.745E+03	999	
9	1.047E-01	999		1.047E-01	0		1.835E+03	999		1.835E+03	999	
10	1.003E-01	999		1.003E-01	0		1.925E+03	999		1.925E+03	999	
11	9.604E-02	0		9.604E-02	999		2.015E+03	999		2.015E+03	999	
12	9.179E-02	999		9.179E-02	0		2.104E+03	999		2.104E+03	999	
13	8.760E-02	999		8.760E-02	0		2.194E+03	999		2.194E+03	999	
14	8.348E-02	999		8.348E-02	0		2.283E+03	999		2.283E+03	999	
15	7.943E-02	0		7.943E-02	999		2.373E+03	999		2.373E+03	999	
16	7.544E-02	0		7.544E-02	999		2.462E+03	999		2.462E+03	999	
17	7.153E-02	0		7.153E-02	999		2.551E+03	999		2.551E+03	999	
18	6.769E-02	999		6.769E-02	0		2.641E+03	999		2.641E+03	999	
19	6.393E-02	0		6.393E-02	999		2.729E+03	999		2.729E+03	999	
20	6.025E-02	999		6.025E-02	0		2.818E+03	999		2.818E+03	999	
21	5.666E-02	0		5.666E-02	999		2.907E+03	999		2.907E+03	999	
22	5.315E-02	0		5.315E-02	999		2.995E+03	999		2.995E+03	999	
23	4.972E-02	999		4.972E-02	0		3.084E+03	999		3.084E+03	999	
24	4.639E-02	999		4.639E-02	0		3.172E+03	999		3.172E+03	999	
25	4.315E-02	0		4.315E-02	999		3.260E+03	999		3.260E+03	999	
26	4.001E-02	999		4.001E-02	0		3.348E+03	999		3.348E+03	999	
27	3.697E-02	999		3.697E-02	0		3.435E+03	999		3.435E+03	999	
28	3.402E-02	999		3.402E-02	0		3.523E+03	999		3.523E+03	999	
29	3.118E-02	0		3.118E-02	999		3.610E+03	999		3.610E+03	999	
30	2.845E-02	999		2.845E-02	0		3.697E+03	999		3.697E+03	999	
31	2.583E-02	0		2.583E-02	999		3.784E+03	999		3.784E+03	999	
32	2.331E-02	999		2.331E-02	0		3.871E+03	999		3.871E+03	999	
33	2.092E-02	0		2.092E-02	999		3.957E+03	999		3.957E+03	999	
34	1.863E-02	0		1.863E-02	999		4.043E+03	999		4.043E+03	999	
35	1.647E-02	0		1.647E-02	999		4.129E+03	999		4.129E+03	999	
36	1.443E-02	999		1.443E-02	0		4.215E+03	999		4.215E+03	999	
37	1.251E-02	0		1.251E-02	999		4.300E+03	999		4.300E+03	999	
38	1.072E-02	0		1.072E-02	999		4.386E+03	999		4.386E+03	999	
39	9.057E-03	999		9.057E-03	0		4.471E+03	999		4.471E+03	999	
40	7.526E-03	0		7.526E-03	999		4.555E+03	999		4.555E+03	999	
41	6.129E-03	0		6.129E-03	999		4.640E+03	999		4.640E+03	999	
42	4.869E-03	999		4.869E-03	0		4.724E+03	999		4.724E+03	999	
43	3.748E-03	0		3.748E-03	999		4.808E+03	999		4.808E+03	999	
44	2.769E-03	0		2.769E-03	999		4.891E+03	999		4.891E+03	999	
45	1.933E-03	999		1.933E-03	0		4.975E+03	999		4.975E+03	999	
46	1.244E-03	0		1.244E-03	999		5.058E+03	999		5.058E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	7.037E-04	999		7.037E-04	0		5.140E+03	999		5.140E+03	999	
48	3.146E-04	999		3.146E-04	0		5.223E+03	999		5.223E+03	999	
49	7.926E-05	999		7.926E-05	0		5.305E+03	999		5.305E+03	999	
50	0.000E+00	999		0.000E+00	999		2.693E+03	999		2.693E+03	999	
51	7.926E-05	999		7.926E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	5.114E+02 999	5.114E+02 999	0.000E+00 999	0.000E+00 999
0	5.902E+02 999	5.902E+02 999	0.000E+00 999	0.000E+00 999
1	7.888E+01 999	7.888E+01 999	0.000E+00 999	0.000E+00 999
2	7.894E+01 999	7.894E+01 999	0.000E+00 999	0.000E+00 999
3	7.899E+01 999	7.899E+01 999	0.000E+00 999	0.000E+00 999
4	7.905E+01 999	7.905E+01 999	0.000E+00 999	0.000E+00 999
5	7.910E+01 999	7.910E+01 999	0.000E+00 999	0.000E+00 999
6	7.916E+01 999	7.916E+01 999	0.000E+00 999	0.000E+00 999
7	7.921E+01 999	7.921E+01 999	0.000E+00 999	0.000E+00 999
8	7.927E+01 999	7.927E+01 999	0.000E+00 999	0.000E+00 999
9	7.932E+01 999	7.932E+01 999	0.000E+00 999	0.000E+00 999
10	7.938E+01 999	7.938E+01 999	0.000E+00 999	0.000E+00 999
11	7.943E+01 999	7.943E+01 999	0.000E+00 999	0.000E+00 999
12	7.949E+01 999	7.949E+01 999	0.000E+00 999	0.000E+00 999
13	7.954E+01 999	7.954E+01 999	0.000E+00 999	0.000E+00 999
14	7.960E+01 999	7.960E+01 999	0.000E+00 999	0.000E+00 999
15	7.965E+01 999	7.965E+01 999	0.000E+00 999	0.000E+00 999
16	7.971E+01 999	7.971E+01 999	0.000E+00 999	0.000E+00 999
17	7.976E+01 999	7.976E+01 999	0.000E+00 999	0.000E+00 999
18	7.982E+01 999	7.982E+01 999	0.000E+00 999	0.000E+00 999
19	7.987E+01 999	7.987E+01 999	0.000E+00 999	0.000E+00 999
20	7.993E+01 999	7.993E+01 999	0.000E+00 999	0.000E+00 999
21	7.998E+01 999	7.998E+01 999	0.000E+00 999	0.000E+00 999
22	8.004E+01 999	8.004E+01 999	0.000E+00 999	0.000E+00 999
23	8.009E+01 999	8.009E+01 999	0.000E+00 999	0.000E+00 999
24	8.015E+01 999	8.015E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	8.020E+01 999	8.020E+01 999	0.000E+00 999	0.000E+00 999
27	8.026E+01 999	8.026E+01 999	0.000E+00 999	0.000E+00 999
28	8.031E+01 999	8.031E+01 999	0.000E+00 999	0.000E+00 999
29	8.037E+01 999	8.037E+01 999	0.000E+00 999	0.000E+00 999
30	8.042E+01 999	8.042E+01 999	0.000E+00 999	0.000E+00 999
31	8.048E+01 999	8.048E+01 999	0.000E+00 999	0.000E+00 999
32	8.053E+01 999	8.053E+01 999	0.000E+00 999	0.000E+00 999
33	8.059E+01 999	8.059E+01 999	0.000E+00 999	0.000E+00 999
34	8.064E+01 999	8.064E+01 999	0.000E+00 999	0.000E+00 999
35	8.070E+01 999	8.070E+01 999	0.000E+00 999	0.000E+00 999
36	8.075E+01 999	8.075E+01 999	0.000E+00 999	0.000E+00 999
37	8.081E+01 999	8.081E+01 999	0.000E+00 999	0.000E+00 999
38	8.086E+01 999	8.086E+01 999	0.000E+00 999	0.000E+00 999
39	8.092E+01 999	8.092E+01 999	0.000E+00 999	0.000E+00 999
40	8.097E+01 999	8.097E+01 999	0.000E+00 999	0.000E+00 999
41	8.103E+01 999	8.103E+01 999	0.000E+00 999	0.000E+00 999
42	8.108E+01 999	8.108E+01 999	0.000E+00 999	0.000E+00 999
43	8.114E+01 999	8.114E+01 999	0.000E+00 999	0.000E+00 999
44	8.119E+01 999	8.119E+01 999	0.000E+00 999	0.000E+00 999
45	8.125E+01 999	8.125E+01 999	0.000E+00 999	0.000E+00 999
46	8.130E+01 999	8.130E+01 999	0.000E+00 999	0.000E+00 999
47	8.136E+01 999	8.136E+01 999	0.000E+00 999	0.000E+00 999
48	8.141E+01 999	8.141E+01 999	0.000E+00 999	0.000E+00 999
49	8.147E+01 999	8.147E+01 999	0.000E+00 999	0.000E+00 999
50	-2.612E+03 999	-2.612E+03 999	-8.155E+01 999	-8.155E+01 999
51	-2.693E+03 999	-2.693E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
7 Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER			
		2	3	4	5
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0
		DEFL	MOM	SHR	RCT
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	3.390E+01	0.000E+00	9.504E+02	0.000E+00	-2.429E+03
0	50	0	8.496E+06	9.100E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 7            Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.985E-01		0.000E+00		0.000E+00
			-1.149E-02		4.752E+02	
0	0.000E+00	3.870E-01		4.752E+02		-3.336E+01
			-1.138E-02		4.758E+02	
1	1.000E+00	3.756E-01		9.786E+02		0.000E+00
			-1.126E-02		6.795E-01	
2	2.000E+00	3.644E-01		1.007E+03		0.000E+00
			-1.115E-02		7.706E-01	
3	3.000E+00	3.532E-01		1.035E+03		0.000E+00
			-1.102E-02		8.615E-01	
4	4.000E+00	3.422E-01		1.062E+03		0.000E+00
			-1.090E-02		9.525E-01	
5	5.000E+00	3.313E-01		1.090E+03		0.000E+00
			-1.077E-02		1.044E+00	
6	6.000E+00	3.205E-01		1.117E+03		0.000E+00
			-1.064E-02		1.134E+00	
7	7.000E+00	3.099E-01		1.144E+03		0.000E+00
			-1.050E-02		1.225E+00	
8	8.000E+00	2.994E-01		1.170E+03		0.000E+00
			-1.037E-02		1.317E+00	
9	9.000E+00	2.890E-01		1.197E+03		0.000E+00
			-1.023E-02		1.408E+00	
10	1.000E+01	2.788E-01		1.223E+03		0.000E+00
			-1.008E-02		1.499E+00	
11	1.100E+01	2.687E-01		1.249E+03		0.000E+00
			-9.935E-03		1.589E+00	
12	1.200E+01	2.588E-01		1.275E+03		0.000E+00
			-9.785E-03		1.681E+00	
13	1.300E+01	2.490E-01		1.300E+03		0.000E+00
			-9.632E-03		1.771E+00	
14	1.400E+01	2.393E-01		1.326E+03		0.000E+00
			-9.476E-03		1.863E+00	
15	1.500E+01	2.299E-01		1.350E+03		0.000E+00
			-9.317E-03		1.954E+00	
16	1.600E+01	2.205E-01		1.375E+03		0.000E+00
			-9.155E-03		2.044E+00	
17	1.700E+01	2.114E-01		1.399E+03		0.000E+00
			-8.991E-03		2.136E+00	
18	1.800E+01	2.024E-01		1.423E+03		0.000E+00
			-8.823E-03		2.227E+00	
19	1.900E+01	1.936E-01		1.447E+03		0.000E+00
			-8.653E-03		2.318E+00	
20	2.000E+01	1.849E-01		1.470E+03		0.000E+00
			-8.480E-03		2.409E+00	
21	2.100E+01	1.764E-01		1.493E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.681E-01	-8.304E-03	1.516E+03	2.499E+00	0.000E+00
23	2.300E+01	1.600E-01	-8.126E-03	1.538E+03	2.591E+00	0.000E+00
24	2.400E+01	1.521E-01	-7.945E-03	1.560E+03	2.681E+00	0.000E+00
25	2.500E+01	1.443E-01	-7.761E-03	1.582E+03	2.773E+00	0.000E+00
26	2.600E+01	1.367E-01	-7.575E-03	1.603E+03	2.863E+00	0.000E+00
27	2.700E+01	1.294E-01	-7.386E-03	1.624E+03	2.955E+00	0.000E+00
28	2.800E+01	1.222E-01	-7.195E-03	1.645E+03	3.046E+00	0.000E+00
29	2.900E+01	1.152E-01	-7.001E-03	1.665E+03	3.137E+00	0.000E+00
30	3.000E+01	1.084E-01	-6.805E-03	1.684E+03	3.228E+00	0.000E+00
31	3.100E+01	1.017E-01	-6.607E-03	1.704E+03	3.319E+00	0.000E+00
32	3.200E+01	9.534E-02	-6.407E-03	1.723E+03	3.409E+00	0.000E+00
33	3.300E+01	8.913E-02	-6.204E-03	1.741E+03	3.501E+00	0.000E+00
34	3.400E+01	8.313E-02	-5.999E-03	1.741E+03	3.591E+00	0.000E+00
35	3.500E+01	7.734E-02	-5.792E-03	1.759E+03	3.683E+00	0.000E+00
36	3.600E+01	7.176E-02	-5.583E-03	1.777E+03	3.774E+00	0.000E+00
37	3.700E+01	6.639E-02	-5.371E-03	1.795E+03	3.865E+00	0.000E+00
38	3.800E+01	6.123E-02	-5.158E-03	1.811E+03	3.956E+00	0.000E+00
39	3.900E+01	5.629E-02	-4.943E-03	1.828E+03	4.046E+00	0.000E+00
40	4.000E+01	5.156E-02	-4.726E-03	1.844E+03	4.138E+00	0.000E+00
41	4.100E+01	4.705E-02	-4.507E-03	1.860E+03	4.229E+00	0.000E+00
42	4.200E+01	4.277E-02	-4.286E-03	1.875E+03	4.320E+00	0.000E+00
43	4.300E+01	3.870E-02	-4.064E-03	1.890E+03	4.411E+00	0.000E+00
44	4.400E+01	3.486E-02	-3.840E-03	1.904E+03	4.502E+00	0.000E+00
45	4.500E+01	3.125E-02	-3.614E-03	1.918E+03	4.593E+00	0.000E+00
46	4.600E+01	2.786E-02	-3.387E-03	1.931E+03	4.683E+00	0.000E+00
47	4.700E+01	2.470E-02	-3.158E-03	1.944E+03	4.775E+00	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.178E-02	-2.928E-03	1.968E+03	4.866E+00	0.000E+00
49	4.900E+01	1.908E-02	-2.696E-03	1.980E+03	4.957E+00	0.000E+00
50	5.000E+01	1.662E-02	-2.463E-03	1.991E+03	5.048E+00	0.000E+00
51	5.100E+01	1.435E-02	-2.271E-03	2.001E+03	5.093E+00	0.000E+00
52	5.200E+01	1.224E-02	-2.107E-03	2.012E+03	5.093E+00	0.000E+00
53	5.300E+01	1.030E-02	-1.943E-03	2.021E+03	5.093E+00	0.000E+00
54	5.400E+01	8.520E-03	-1.777E-03	2.031E+03	5.093E+00	0.000E+00
55	5.500E+01	6.909E-03	-1.611E-03	2.040E+03	5.093E+00	0.000E+00
56	5.600E+01	5.465E-03	-1.444E-03	2.048E+03	5.093E+00	0.000E+00
57	5.700E+01	4.189E-03	-1.276E-03	2.057E+03	5.093E+00	0.000E+00
58	5.800E+01	3.081E-03	-1.108E-03	2.064E+03	5.093E+00	0.000E+00
59	5.900E+01	2.141E-03	-9.391E-04	2.072E+03	5.093E+00	0.000E+00
60	6.000E+01	1.372E-03	-7.696E-04	2.079E+03	5.093E+00	0.000E+00
61	6.100E+01	7.725E-04	-5.995E-04	2.085E+03	5.093E+00	0.000E+00
62	6.200E+01	3.437E-04	-4.288E-04	2.091E+03	5.093E+00	0.000E+00
63	6.300E+01	8.603E-05	-2.576E-04	2.097E+03	5.093E+00	0.000E+00
64	6.400E+01	0.000E+00	-8.603E-05	1.051E+03	-1.046E+03	-5.093E+00
65	6.500E+01	8.603E-05	8.603E-05	0.000E+00	-1.051E+03	0.000E+00



PROB (CONTD)

7 Live Load Case A, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.985E-01		0	3.985E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	4.752E+02		999	4.752E+02		999
1	3.756E-01		0	3.756E-01		999	9.786E+02		999	9.786E+02		999
2	3.644E-01		999	3.644E-01		0	1.007E+03		999	1.007E+03		999
3	3.532E-01		999	3.532E-01		0	1.035E+03		999	1.035E+03		999
4	3.422E-01		0	3.422E-01		999	1.062E+03		999	1.062E+03		999
5	3.313E-01		999	3.313E-01		0	1.090E+03		999	1.090E+03		999
6	3.205E-01		999	3.205E-01		0	1.117E+03		999	1.117E+03		999
7	3.099E-01		0	3.099E-01		999	1.144E+03		999	1.144E+03		999
8	2.994E-01		999	2.994E-01		0	1.170E+03		999	1.170E+03		999
9	2.890E-01		999	2.890E-01		0	1.197E+03		999	1.197E+03		999
10	2.788E-01		999	2.788E-01		0	1.223E+03		999	1.223E+03		999
11	2.687E-01		0	2.687E-01		999	1.249E+03		999	1.249E+03		999
12	2.588E-01		999	2.588E-01		0	1.275E+03		999	1.275E+03		999
13	2.490E-01		0	2.490E-01		999	1.300E+03		999	1.300E+03		999
14	2.393E-01		999	2.393E-01		0	1.326E+03		999	1.326E+03		999
15	2.299E-01		999	2.299E-01		0	1.350E+03		999	1.350E+03		999
16	2.205E-01		0	2.205E-01		999	1.375E+03		999	1.375E+03		999
17	2.114E-01		999	2.114E-01		0	1.399E+03		999	1.399E+03		999
18	2.024E-01		0	2.024E-01		999	1.423E+03		999	1.423E+03		999
19	1.936E-01		999	1.936E-01		0	1.447E+03		999	1.447E+03		999
20	1.849E-01		999	1.849E-01		0	1.470E+03		999	1.470E+03		999
21	1.764E-01		0	1.764E-01		999	1.493E+03		999	1.493E+03		999
22	1.681E-01		999	1.681E-01		0	1.516E+03		999	1.516E+03		999
23	1.600E-01		999	1.600E-01		0	1.538E+03		999	1.538E+03		999
24	1.521E-01		0	1.521E-01		999	1.560E+03		999	1.560E+03		999
25	1.443E-01		999	1.443E-01		0	1.582E+03		999	1.582E+03		999
26	1.367E-01		999	1.367E-01		0	1.603E+03		999	1.603E+03		999
27	1.294E-01		999	1.294E-01		0	1.624E+03		999	1.624E+03		999
28	1.222E-01		999	1.222E-01		0	1.645E+03		999	1.645E+03		999
29	1.152E-01		999	1.152E-01		0	1.665E+03		999	1.665E+03		999
30	1.084E-01		999	1.084E-01		0	1.684E+03		999	1.684E+03		999
31	1.017E-01		999	1.017E-01		0	1.704E+03		999	1.704E+03		999
32	9.534E-02		999	9.534E-02		0	1.723E+03		999	1.723E+03		999
33	8.913E-02		0	8.913E-02		999	1.741E+03		999	1.741E+03		999
34	8.313E-02		0	8.313E-02		999	1.759E+03		999	1.759E+03		999
35	7.734E-02		0	7.734E-02		999	1.777E+03		999	1.777E+03		999
36	7.176E-02		999	7.176E-02		0	1.795E+03		999	1.795E+03		999
37	6.639E-02		999	6.639E-02		0	1.811E+03		999	1.811E+03		999
38	6.123E-02		0	6.123E-02		999	1.828E+03		999	1.828E+03		999
39	5.629E-02		999	5.629E-02		0	1.844E+03		999	1.844E+03		999
40	5.156E-02		999	5.156E-02		0	1.860E+03		999	1.860E+03		999
41	4.705E-02		999	4.705E-02		0	1.875E+03		999	1.875E+03		999
42	4.277E-02		0	4.277E-02		999	1.890E+03		999	1.890E+03		999
43	3.870E-02		999	3.870E-02		0	1.904E+03		999	1.904E+03		999
44	3.486E-02		0	3.486E-02		999	1.918E+03		999	1.918E+03		999
45	3.125E-02		999	3.125E-02		0	1.931E+03		999	1.931E+03		999
46	2.786E-02		999	2.786E-02		0	1.944E+03		999	1.944E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.470E-02		0	2.470E-02		999	1.956E+03		999	1.956E+03		999
48	2.178E-02		999	2.178E-02		0	1.968E+03		999	1.968E+03		999
49	1.908E-02		0	1.908E-02		999	1.980E+03		999	1.980E+03		999
50	1.662E-02		999	1.662E-02		0	1.991E+03		999	1.991E+03		999
51	1.435E-02		0	1.435E-02		999	2.001E+03		999	2.001E+03		999
52	1.224E-02		999	1.224E-02		0	2.012E+03		999	2.012E+03		999
53	1.030E-02		0	1.030E-02		999	2.021E+03		999	2.021E+03		999
54	8.520E-03		999	8.520E-03		0	2.031E+03		999	2.031E+03		999
55	6.909E-03		999	6.909E-03		0	2.040E+03		999	2.040E+03		999
56	5.465E-03		0	5.465E-03		999	2.048E+03		999	2.048E+03		999
57	4.189E-03		0	4.189E-03		999	2.057E+03		999	2.057E+03		999
58	3.081E-03		999	3.081E-03		0	2.064E+03		999	2.064E+03		999
59	2.141E-03		0	2.141E-03		999	2.072E+03		999	2.072E+03		999
60	1.372E-03		999	1.372E-03		0	2.079E+03		999	2.079E+03		999
61	7.725E-04		999	7.725E-04		0	2.085E+03		999	2.085E+03		999
62	3.437E-04		999	3.437E-04		0	2.091E+03		999	2.091E+03		999
63	8.603E-05		999	8.603E-05		0	2.097E+03		999	2.097E+03		999
64	0.000E+00		999	0.000E+00		999	1.051E+03		999	1.051E+03		999
65	8.603E-05		999	8.603E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	4.752E+02 999	4.752E+02 999	-3.336E+01 999	-3.336E+01 999
1	4.758E+02 999	4.758E+02 999	0.000E+00 999	0.000E+00 999
2	6.795E-01 999	6.795E-01 999	0.000E+00 999	0.000E+00 999
3	7.706E-01 999	7.706E-01 999	0.000E+00 999	0.000E+00 999
4	8.615E-01 999	8.615E-01 999	0.000E+00 999	0.000E+00 999
5	9.525E-01 999	9.525E-01 999	0.000E+00 999	0.000E+00 999
6	1.044E+00 999	1.044E+00 999	0.000E+00 999	0.000E+00 999
7	1.134E+00 999	1.134E+00 999	0.000E+00 999	0.000E+00 999
8	1.225E+00 999	1.225E+00 999	0.000E+00 999	0.000E+00 999
9	1.317E+00 999	1.317E+00 999	0.000E+00 999	0.000E+00 999
10	1.408E+00 999	1.408E+00 999	0.000E+00 999	0.000E+00 999
11	1.499E+00 999	1.499E+00 999	0.000E+00 999	0.000E+00 999
12	1.589E+00 999	1.589E+00 999	0.000E+00 999	0.000E+00 999
13	1.681E+00 999	1.681E+00 999	0.000E+00 999	0.000E+00 999
14	1.771E+00 999	1.771E+00 999	0.000E+00 999	0.000E+00 999
15	1.863E+00 999	1.863E+00 999	0.000E+00 999	0.000E+00 999
16	1.954E+00 999	1.954E+00 999	0.000E+00 999	0.000E+00 999
17	2.044E+00 999	2.044E+00 999	0.000E+00 999	0.000E+00 999
18	2.136E+00 999	2.136E+00 999	0.000E+00 999	0.000E+00 999
19	2.227E+00 999	2.227E+00 999	0.000E+00 999	0.000E+00 999
20	2.318E+00 999	2.318E+00 999	0.000E+00 999	0.000E+00 999
21	2.409E+00 999	2.409E+00 999	0.000E+00 999	0.000E+00 999
22	2.499E+00 999	2.499E+00 999	0.000E+00 999	0.000E+00 999
23	2.591E+00 999	2.591E+00 999	0.000E+00 999	0.000E+00 999
24	2.681E+00 999	2.681E+00 999	0.000E+00 999	0.000E+00 999
25	2.773E+00 999	2.773E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.863E+00 999	2.863E+00 999	0.000E+00 999	0.000E+00 999
27	2.955E+00 999	2.955E+00 999	0.000E+00 999	0.000E+00 999
28	3.046E+00 999	3.046E+00 999	0.000E+00 999	0.000E+00 999
29	3.137E+00 999	3.137E+00 999	0.000E+00 999	0.000E+00 999
30	3.228E+00 999	3.228E+00 999	0.000E+00 999	0.000E+00 999
31	3.319E+00 999	3.319E+00 999	0.000E+00 999	0.000E+00 999
32	3.409E+00 999	3.409E+00 999	0.000E+00 999	0.000E+00 999
33	3.501E+00 999	3.501E+00 999	0.000E+00 999	0.000E+00 999
34	3.591E+00 999	3.591E+00 999	0.000E+00 999	0.000E+00 999
35	3.683E+00 999	3.683E+00 999	0.000E+00 999	0.000E+00 999
36	3.774E+00 999	3.774E+00 999	0.000E+00 999	0.000E+00 999
37	3.865E+00 999	3.865E+00 999	0.000E+00 999	0.000E+00 999
38	3.956E+00 999	3.956E+00 999	0.000E+00 999	0.000E+00 999
39	4.046E+00 999	4.046E+00 999	0.000E+00 999	0.000E+00 999
40	4.138E+00 999	4.138E+00 999	0.000E+00 999	0.000E+00 999
41	4.229E+00 999	4.229E+00 999	0.000E+00 999	0.000E+00 999
42	4.320E+00 999	4.320E+00 999	0.000E+00 999	0.000E+00 999
43	4.411E+00 999	4.411E+00 999	0.000E+00 999	0.000E+00 999
44	4.502E+00 999	4.502E+00 999	0.000E+00 999	0.000E+00 999
45	4.593E+00 999	4.593E+00 999	0.000E+00 999	0.000E+00 999
46	4.683E+00 999	4.683E+00 999	0.000E+00 999	0.000E+00 999
47	4.775E+00 999	4.775E+00 999	0.000E+00 999	0.000E+00 999
48	4.866E+00 999	4.866E+00 999	0.000E+00 999	0.000E+00 999
49	4.957E+00 999	4.957E+00 999	0.000E+00 999	0.000E+00 999
50	5.048E+00 999	5.048E+00 999	0.000E+00 999	0.000E+00 999
51	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
53	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
54	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
55	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
56	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
57	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
58	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
59	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
60	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
61	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
62	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
63	5.093E+00 999	5.093E+00 999	0.000E+00 999	0.000E+00 999
64	-1.046E+03 999	-1.046E+03 999	-5.093E+00 999	-5.093E+00 999
65	-1.051E+03 999	-1.051E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE



PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	7.430E+01	0.000E+00	9.793E+02	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	4.500E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF  
NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.427E-01		0.000E+00		0.000E+00
			-4.531E-03		4.896E+02	
0	0.000E+00	1.382E-01		4.896E+02		0.000E+00
			-4.502E-03		5.640E+02	
1	1.000E+00	1.337E-01		1.065E+03		0.000E+00
			-4.470E-03		7.437E+01	
2	2.000E+00	1.292E-01		1.150E+03		0.000E+00
			-4.437E-03		7.441E+01	
3	3.000E+00	1.248E-01		1.235E+03		0.000E+00
			-4.400E-03		7.446E+01	
4	4.000E+00	1.204E-01		1.320E+03		0.000E+00
			-4.361E-03		7.450E+01	
5	5.000E+00	1.160E-01		1.405E+03		0.000E+00
			-4.320E-03		7.455E+01	
6	6.000E+00	1.117E-01		1.490E+03		0.000E+00
			-4.276E-03		7.459E+01	
7	7.000E+00	1.074E-01		1.575E+03		0.000E+00
			-4.230E-03		7.464E+01	
8	8.000E+00	1.032E-01		1.660E+03		0.000E+00
			-4.181E-03		7.468E+01	
9	9.000E+00	9.900E-02		1.745E+03		0.000E+00
			-4.130E-03		7.473E+01	
10	1.000E+01	9.487E-02		1.830E+03		0.000E+00
			-4.076E-03		7.477E+01	
11	1.100E+01	9.079E-02		1.914E+03		0.000E+00
			-4.019E-03		7.482E+01	
12	1.200E+01	8.678E-02		1.999E+03		0.000E+00
			-3.961E-03		7.486E+01	
13	1.300E+01	8.282E-02		2.083E+03		0.000E+00
			-3.899E-03		7.491E+01	
14	1.400E+01	7.892E-02		2.168E+03		0.000E+00
			-3.835E-03		7.495E+01	
15	1.500E+01	7.508E-02		2.252E+03		0.000E+00
			-3.769E-03		7.500E+01	
16	1.600E+01	7.131E-02		2.336E+03		0.000E+00
			-3.700E-03		7.504E+01	
17	1.700E+01	6.761E-02		2.420E+03		0.000E+00
			-3.629E-03		7.509E+01	
18	1.800E+01	6.398E-02		2.504E+03		0.000E+00
			-3.555E-03		7.513E+01	
19	1.900E+01	6.043E-02		2.588E+03		0.000E+00
			-3.479E-03		7.518E+01	
20	2.000E+01	5.695E-02		2.672E+03		0.000E+00
			-3.401E-03		7.522E+01	
21	2.100E+01	5.355E-02		2.755E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	5.023E-02	-3.320E-03	2.838E+03	7.527E+01	0.000E+00
23	2.300E+01	4.699E-02	-3.236E-03	2.922E+03	7.531E+01	0.000E+00
24	2.400E+01	4.384E-02	-3.150E-03	3.005E+03	7.536E+01	0.000E+00
25	2.500E+01	4.078E-02	-3.062E-03	3.087E+03	7.540E+01	0.000E+00
26	2.600E+01	3.781E-02	-2.971E-03	3.170E+03	7.545E+01	0.000E+00
27	2.700E+01	3.493E-02	-2.878E-03	3.253E+03	7.549E+01	0.000E+00
28	2.800E+01	3.215E-02	-2.782E-03	3.335E+03	7.554E+01	0.000E+00
29	2.900E+01	2.946E-02	-2.684E-03	3.417E+03	7.558E+01	0.000E+00
30	3.000E+01	2.688E-02	-2.583E-03	3.499E+03	7.563E+01	0.000E+00
31	3.100E+01	2.440E-02	-2.480E-03	3.581E+03	7.567E+01	0.000E+00
32	3.200E+01	2.203E-02	-2.375E-03	3.662E+03	7.572E+01	0.000E+00
33	3.300E+01	1.976E-02	-2.267E-03	3.743E+03	7.576E+01	0.000E+00
34	3.400E+01	1.760E-02	-2.157E-03	3.824E+03	7.581E+01	0.000E+00
35	3.500E+01	1.556E-02	-2.044E-03	3.905E+03	7.585E+01	0.000E+00
36	3.600E+01	1.363E-02	-1.929E-03	3.986E+03	7.590E+01	0.000E+00
37	3.700E+01	1.182E-02	-1.812E-03	4.066E+03	7.594E+01	0.000E+00
38	3.800E+01	1.012E-02	-1.692E-03	4.146E+03	7.599E+01	0.000E+00
39	3.900E+01	8.555E-03	-1.570E-03	4.226E+03	7.603E+01	0.000E+00
40	4.000E+01	7.109E-03	-1.446E-03	4.226E+03	7.608E+01	0.000E+00
41	4.100E+01	5.789E-03	-1.319E-03	4.306E+03	7.612E+01	0.000E+00
42	4.200E+01	4.599E-03	-1.190E-03	4.385E+03	7.617E+01	0.000E+00
43	4.300E+01	3.540E-03	-1.059E-03	4.464E+03	7.621E+01	0.000E+00
44	4.400E+01	2.615E-03	-9.252E-04	4.543E+03	7.626E+01	0.000E+00
45	4.500E+01	1.826E-03	-7.892E-04	4.621E+03	7.630E+01	0.000E+00
46	4.600E+01	1.175E-03	-6.509E-04	4.700E+03	7.635E+01	0.000E+00
47	4.700E+01	6.645E-04	-5.103E-04	4.777E+03	7.639E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.971E-04	-3.674E-04	4.932E+03	7.644E+01	0.000E+00
49	4.900E+01	7.484E-05	-2.223E-04	5.009E+03	7.648E+01	0.000E+00
50	5.000E+01	0.000E+00	-7.484E-05	2.543E+03	-2.467E+03	-7.655E+01
51	5.100E+01	7.484E-05	7.484E-05	0.000E+00	-2.543E+03	0.000E+00

PROB (CONTD)

8 Live Load Case A, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.427E-01		0	1.427E-01		999	0.000E+00		999	0.000E+00		999
0	1.382E-01		0	1.382E-01		999	4.896E+02		999	4.896E+02		999
1	1.337E-01		999	1.337E-01		0	1.065E+03		999	1.065E+03		999
2	1.292E-01		0	1.292E-01		999	1.150E+03		999	1.150E+03		999
3	1.248E-01		0	1.248E-01		999	1.235E+03		999	1.235E+03		999
4	1.204E-01		999	1.204E-01		0	1.320E+03		999	1.320E+03		999
5	1.160E-01		0	1.160E-01		999	1.405E+03		999	1.405E+03		999
6	1.117E-01		999	1.117E-01		0	1.490E+03		999	1.490E+03		999
7	1.074E-01		999	1.074E-01		0	1.575E+03		999	1.575E+03		999
8	1.032E-01		999	1.032E-01		0	1.660E+03		999	1.660E+03		999
9	9.900E-02		0	9.900E-02		999	1.745E+03		999	1.745E+03		999
10	9.487E-02		0	9.487E-02		999	1.830E+03		999	1.830E+03		999
11	9.079E-02		0	9.079E-02		999	1.914E+03		999	1.914E+03		999
12	8.678E-02		999	8.678E-02		0	1.999E+03		999	1.999E+03		999
13	8.282E-02		999	8.282E-02		0	2.083E+03		999	2.083E+03		999
14	7.892E-02		999	7.892E-02		0	2.168E+03		999	2.168E+03		999
15	7.508E-02		0	7.508E-02		999	2.252E+03		999	2.252E+03		999
16	7.131E-02		999	7.131E-02		0	2.336E+03		999	2.336E+03		999
17	6.761E-02		0	6.761E-02		999	2.420E+03		999	2.420E+03		999
18	6.398E-02		0	6.398E-02		999	2.504E+03		999	2.504E+03		999
19	6.043E-02		999	6.043E-02		0	2.588E+03		999	2.588E+03		999
20	5.695E-02		0	5.695E-02		999	2.672E+03		999	2.672E+03		999
21	5.355E-02		999	5.355E-02		0	2.755E+03		999	2.755E+03		999
22	5.023E-02		999	5.023E-02		0	2.838E+03		999	2.838E+03		999
23	4.699E-02		0	4.699E-02		999	2.922E+03		999	2.922E+03		999
24	4.384E-02		999	4.384E-02		0	3.005E+03		999	3.005E+03		999
25	4.078E-02		0	4.078E-02		999	3.087E+03		999	3.087E+03		999
26	3.781E-02		0	3.781E-02		999	3.170E+03		999	3.170E+03		999
27	3.493E-02		0	3.493E-02		999	3.253E+03		999	3.253E+03		999
28	3.215E-02		999	3.215E-02		0	3.335E+03		999	3.335E+03		999
29	2.946E-02		999	2.946E-02		0	3.417E+03		999	3.417E+03		999
30	2.688E-02		999	2.688E-02		0	3.499E+03		999	3.499E+03		999
31	2.440E-02		999	2.440E-02		0	3.581E+03		999	3.581E+03		999
32	2.203E-02		999	2.203E-02		0	3.662E+03		999	3.662E+03		999
33	1.976E-02		0	1.976E-02		999	3.743E+03		999	3.743E+03		999
34	1.760E-02		999	1.760E-02		0	3.824E+03		999	3.824E+03		999
35	1.556E-02		0	1.556E-02		999	3.905E+03		999	3.905E+03		999
36	1.363E-02		999	1.363E-02		0	3.986E+03		999	3.986E+03		999
37	1.182E-02		0	1.182E-02		999	4.066E+03		999	4.066E+03		999
38	1.012E-02		999	1.012E-02		0	4.146E+03		999	4.146E+03		999
39	8.555E-03		999	8.555E-03		0	4.226E+03		999	4.226E+03		999
40	7.109E-03		999	7.109E-03		0	4.306E+03		999	4.306E+03		999
41	5.789E-03		999	5.789E-03		0	4.385E+03		999	4.385E+03		999
42	4.599E-03		0	4.599E-03		999	4.464E+03		999	4.464E+03		999
43	3.540E-03		0	3.540E-03		999	4.543E+03		999	4.543E+03		999
44	2.615E-03		0	2.615E-03		999	4.621E+03		999	4.621E+03		999
45	1.826E-03		999	1.826E-03		0	4.700E+03		999	4.700E+03		999
46	1.175E-03		999	1.175E-03		0	4.777E+03		999	4.777E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +DEFL	LOC	MAX -DEFL	LOC	MAX +MOM	LOC	MAX -MOM	LOC
47	6.645E-04	999	6.645E-04	0	4.855E+03	999	4.855E+03	999
48	2.971E-04	999	2.971E-04	0	4.932E+03	999	4.932E+03	999
49	7.484E-05	0	7.484E-05	999	5.009E+03	999	5.009E+03	999
50	0.000E+00	999	0.000E+00	999	2.543E+03	999	2.543E+03	999
51	7.484E-05	0	7.484E-05	999	0.000E+00	999	0.000E+00	999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	4.896E+02 999	4.896E+02 999	0.000E+00 999	0.000E+00 999
0	5.640E+02 999	5.640E+02 999	0.000E+00 999	0.000E+00 999
1	7.437E+01 999	7.437E+01 999	0.000E+00 999	0.000E+00 999
2	7.441E+01 999	7.441E+01 999	0.000E+00 999	0.000E+00 999
3	7.446E+01 999	7.446E+01 999	0.000E+00 999	0.000E+00 999
4	7.450E+01 999	7.450E+01 999	0.000E+00 999	0.000E+00 999
5	7.455E+01 999	7.455E+01 999	0.000E+00 999	0.000E+00 999
6	7.459E+01 999	7.459E+01 999	0.000E+00 999	0.000E+00 999
7	7.464E+01 999	7.464E+01 999	0.000E+00 999	0.000E+00 999
8	7.468E+01 999	7.468E+01 999	0.000E+00 999	0.000E+00 999
9	7.473E+01 999	7.473E+01 999	0.000E+00 999	0.000E+00 999
10	7.477E+01 999	7.477E+01 999	0.000E+00 999	0.000E+00 999
11	7.482E+01 999	7.482E+01 999	0.000E+00 999	0.000E+00 999
12	7.486E+01 999	7.486E+01 999	0.000E+00 999	0.000E+00 999
13	7.491E+01 999	7.491E+01 999	0.000E+00 999	0.000E+00 999
14	7.495E+01 999	7.495E+01 999	0.000E+00 999	0.000E+00 999
15	7.500E+01 999	7.500E+01 999	0.000E+00 999	0.000E+00 999
16	7.504E+01 999	7.504E+01 999	0.000E+00 999	0.000E+00 999
17	7.509E+01 999	7.509E+01 999	0.000E+00 999	0.000E+00 999
18	7.513E+01 999	7.513E+01 999	0.000E+00 999	0.000E+00 999
19	7.518E+01 999	7.518E+01 999	0.000E+00 999	0.000E+00 999
20	7.522E+01 999	7.522E+01 999	0.000E+00 999	0.000E+00 999
21	7.527E+01 999	7.527E+01 999	0.000E+00 999	0.000E+00 999
22	7.531E+01 999	7.531E+01 999	0.000E+00 999	0.000E+00 999
23	7.536E+01 999	7.536E+01 999	0.000E+00 999	0.000E+00 999
24	7.540E+01 999	7.540E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	7.545E+01 999	7.545E+01 999	0.000E+00 999	0.000E+00 999
27	7.549E+01 999	7.549E+01 999	0.000E+00 999	0.000E+00 999
28	7.554E+01 999	7.554E+01 999	0.000E+00 999	0.000E+00 999
29	7.558E+01 999	7.558E+01 999	0.000E+00 999	0.000E+00 999
30	7.563E+01 999	7.563E+01 999	0.000E+00 999	0.000E+00 999
31	7.567E+01 999	7.567E+01 999	0.000E+00 999	0.000E+00 999
32	7.572E+01 999	7.572E+01 999	0.000E+00 999	0.000E+00 999
33	7.576E+01 999	7.576E+01 999	0.000E+00 999	0.000E+00 999
34	7.581E+01 999	7.581E+01 999	0.000E+00 999	0.000E+00 999
35	7.585E+01 999	7.585E+01 999	0.000E+00 999	0.000E+00 999
36	7.590E+01 999	7.590E+01 999	0.000E+00 999	0.000E+00 999
37	7.594E+01 999	7.594E+01 999	0.000E+00 999	0.000E+00 999
38	7.599E+01 999	7.599E+01 999	0.000E+00 999	0.000E+00 999
39	7.603E+01 999	7.603E+01 999	0.000E+00 999	0.000E+00 999
40	7.608E+01 999	7.608E+01 999	0.000E+00 999	0.000E+00 999
41	7.612E+01 999	7.612E+01 999	0.000E+00 999	0.000E+00 999
42	7.617E+01 999	7.617E+01 999	0.000E+00 999	0.000E+00 999
43	7.621E+01 999	7.621E+01 999	0.000E+00 999	0.000E+00 999
44	7.626E+01 999	7.626E+01 999	0.000E+00 999	0.000E+00 999
45	7.630E+01 999	7.630E+01 999	0.000E+00 999	0.000E+00 999
46	7.635E+01 999	7.635E+01 999	0.000E+00 999	0.000E+00 999
47	7.639E+01 999	7.639E+01 999	0.000E+00 999	0.000E+00 999
48	7.644E+01 999	7.644E+01 999	0.000E+00 999	0.000E+00 999
49	7.648E+01 999	7.648E+01 999	0.000E+00 999	0.000E+00 999
50	-2.467E+03 999	-2.467E+03 999	-7.655E+01 999	-7.655E+01 999
51	-2.543E+03 999	-2.543E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED





TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0	
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	3.580E+01	0.000E+00	9.669E+02	0.000E+00	-2.429E+03
0	50	0	8.496E+06	1.110E-01	0.000E+00	0.000E+00	0.000E+00	-2.429E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-2.429E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.985E-01		0.000E+00		0.000E+00
0	0.000E+00	3.870E-01	-1.151E-02	4.835E+02	4.835E+02	-3.612E+01
1	1.000E+00	3.756E-01	-1.140E-02	9.943E+02	4.832E+02	0.000E+00
2	2.000E+00	3.643E-01	-1.128E-02	1.022E+03	-1.547E-01	0.000E+00
3	3.000E+00	3.532E-01	-1.116E-02	1.049E+03	-4.360E-02	0.000E+00
4	4.000E+00	3.421E-01	-1.104E-02	1.075E+03	6.738E-02	0.000E+00
5	5.000E+00	3.312E-01	-1.091E-02	1.075E+03	1.784E-01	0.000E+00
6	6.000E+00	3.204E-01	-1.078E-02	1.102E+03	2.894E-01	0.000E+00
7	7.000E+00	3.204E-01	-1.065E-02	1.129E+03	4.004E-01	0.000E+00
8	8.000E+00	3.098E-01	-1.051E-02	1.155E+03	5.114E-01	0.000E+00
9	9.000E+00	2.993E-01	-1.037E-02	1.181E+03	6.224E-01	0.000E+00
10	1.000E+01	2.889E-01	-1.023E-02	1.207E+03	7.334E-01	0.000E+00
11	1.100E+01	2.787E-01	-1.009E-02	1.232E+03	8.443E-01	0.000E+00
12	1.200E+01	2.686E-01	-9.938E-03	1.258E+03	9.554E-01	0.000E+00
13	1.300E+01	2.586E-01	-9.787E-03	1.283E+03	1.066E+00	0.000E+00
14	1.400E+01	2.489E-01	-9.633E-03	1.308E+03	1.177E+00	0.000E+00
15	1.500E+01	2.392E-01	-9.476E-03	1.332E+03	1.288E+00	0.000E+00
16	1.600E+01	2.297E-01	-9.317E-03	1.356E+03	1.399E+00	0.000E+00
17	1.700E+01	2.204E-01	-9.154E-03	1.381E+03	1.510E+00	0.000E+00
18	1.800E+01	2.113E-01	-8.989E-03	1.404E+03	1.621E+00	0.000E+00
19	1.900E+01	2.023E-01	-8.821E-03	1.428E+03	1.732E+00	0.000E+00
20	2.000E+01	1.935E-01	-8.650E-03	1.451E+03	1.843E+00	0.000E+00
21	2.100E+01	1.848E-01	-8.476E-03	1.474E+03	1.954E+00	0.000E+00
21	2.100E+01	1.763E-01		1.496E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.680E-01	-8.300E-03	1.518E+03	2.065E+00	0.000E+00
23	2.300E+01	1.599E-01	-8.122E-03	1.540E+03	2.176E+00	0.000E+00
24	2.400E+01	1.520E-01	-7.940E-03	1.562E+03	2.287E+00	0.000E+00
25	2.500E+01	1.442E-01	-7.756E-03	1.583E+03	2.398E+00	0.000E+00
26	2.600E+01	1.367E-01	-7.570E-03	1.604E+03	2.509E+00	0.000E+00
27	2.700E+01	1.293E-01	-7.381E-03	1.625E+03	2.620E+00	0.000E+00
28	2.800E+01	1.221E-01	-7.190E-03	1.645E+03	2.731E+00	0.000E+00
29	2.900E+01	1.151E-01	-6.997E-03	1.665E+03	2.842E+00	0.000E+00
30	3.000E+01	1.083E-01	-6.801E-03	1.684E+03	2.953E+00	0.000E+00
31	3.100E+01	1.017E-01	-6.602E-03	1.703E+03	3.064E+00	0.000E+00
32	3.200E+01	9.528E-02	-6.402E-03	1.722E+03	3.175E+00	0.000E+00
33	3.300E+01	8.908E-02	-6.199E-03	1.740E+03	3.286E+00	0.000E+00
34	3.400E+01	8.309E-02	-5.994E-03	1.758E+03	3.397E+00	0.000E+00
35	3.500E+01	7.730E-02	-5.787E-03	1.776E+03	3.508E+00	0.000E+00
36	3.600E+01	7.172E-02	-5.578E-03	1.793E+03	3.619E+00	0.000E+00
37	3.700E+01	6.635E-02	-5.367E-03	1.810E+03	3.730E+00	0.000E+00
38	3.800E+01	6.120E-02	-5.154E-03	1.826E+03	3.841E+00	0.000E+00
39	3.900E+01	5.626E-02	-4.939E-03	1.842E+03	3.952E+00	0.000E+00
40	4.000E+01	5.154E-02	-4.723E-03	1.858E+03	4.063E+00	0.000E+00
41	4.100E+01	4.703E-02	-4.504E-03	1.873E+03	4.174E+00	0.000E+00
42	4.200E+01	4.275E-02	-4.284E-03	1.887E+03	4.285E+00	0.000E+00
43	4.300E+01	3.869E-02	-4.061E-03	1.902E+03	4.396E+00	0.000E+00
44	4.400E+01	3.485E-02	-3.838E-03	1.915E+03	4.507E+00	0.000E+00
45	4.500E+01	3.124E-02	-3.612E-03	1.929E+03	4.618E+00	0.000E+00
46	4.600E+01	2.785E-02	-3.385E-03	1.942E+03	4.729E+00	0.000E+00
47	4.700E+01	2.470E-02	-3.156E-03	1.954E+03	4.840E+00	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.177E-02	-2.926E-03	1.966E+03	4.951E+00	0.000E+00
49	4.900E+01	1.908E-02	-2.695E-03	1.978E+03	5.062E+00	0.000E+00
50	5.000E+01	1.661E-02	-2.462E-03	1.989E+03	5.173E+00	0.000E+00
51	5.100E+01	1.434E-02	-2.270E-03	2.000E+03	5.229E+00	0.000E+00
52	5.200E+01	1.224E-02	-2.106E-03	2.010E+03	5.229E+00	0.000E+00
53	5.300E+01	1.030E-02	-1.942E-03	2.020E+03	5.229E+00	0.000E+00
54	5.400E+01	8.519E-03	-1.777E-03	2.030E+03	5.229E+00	0.000E+00
55	5.500E+01	6.908E-03	-1.611E-03	2.039E+03	5.229E+00	0.000E+00
56	5.600E+01	5.465E-03	-1.444E-03	2.048E+03	5.229E+00	0.000E+00
57	5.700E+01	4.188E-03	-1.276E-03	2.056E+03	5.229E+00	0.000E+00
58	5.800E+01	3.081E-03	-1.108E-03	2.064E+03	5.229E+00	0.000E+00
59	5.900E+01	2.141E-03	-9.390E-04	2.071E+03	5.229E+00	0.000E+00
60	6.000E+01	1.372E-03	-7.695E-04	2.078E+03	5.229E+00	0.000E+00
61	6.100E+01	7.725E-04	-5.994E-04	2.085E+03	5.229E+00	0.000E+00
62	6.200E+01	3.437E-04	-4.288E-04	2.091E+03	5.229E+00	0.000E+00
63	6.300E+01	8.604E-05	-2.577E-04	2.097E+03	5.229E+00	0.000E+00
64	6.400E+01	0.000E+00	-8.604E-05	1.051E+03	-1.046E+03	-5.229E+00
65	6.500E+01	8.604E-05	8.604E-05	0.000E+00	-1.051E+03	0.000E+00

PROB (CONTD)

9 Live Load Case A, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.985E-01		0	3.985E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	4.835E+02		999	4.835E+02		999
1	3.756E-01		999	3.756E-01		0	9.943E+02		999	9.943E+02		999
2	3.643E-01		0	3.643E-01		999	1.022E+03		999	1.022E+03		999
3	3.532E-01		0	3.532E-01		999	1.049E+03		999	1.049E+03		999
4	3.421E-01		999	3.421E-01		0	1.075E+03		999	1.075E+03		999
5	3.312E-01		0	3.312E-01		999	1.102E+03		999	1.102E+03		999
6	3.204E-01		0	3.204E-01		999	1.129E+03		999	1.129E+03		999
7	3.098E-01		999	3.098E-01		0	1.155E+03		999	1.155E+03		999
8	2.993E-01		999	2.993E-01		0	1.181E+03		999	1.181E+03		999
9	2.889E-01		999	2.889E-01		0	1.207E+03		999	1.207E+03		999
10	2.787E-01		999	2.787E-01		0	1.232E+03		999	1.232E+03		999
11	2.686E-01		999	2.686E-01		0	1.258E+03		999	1.258E+03		999
12	2.586E-01		999	2.586E-01		0	1.283E+03		999	1.283E+03		999
13	2.489E-01		999	2.489E-01		0	1.308E+03		999	1.308E+03		999
14	2.392E-01		0	2.392E-01		999	1.332E+03		999	1.332E+03		999
15	2.297E-01		0	2.297E-01		999	1.356E+03		999	1.356E+03		999
16	2.204E-01		0	2.204E-01		999	1.381E+03		999	1.381E+03		999
17	2.113E-01		999	2.113E-01		0	1.404E+03		999	1.404E+03		999
18	2.023E-01		999	2.023E-01		0	1.428E+03		999	1.428E+03		999
19	1.935E-01		0	1.935E-01		999	1.451E+03		999	1.451E+03		999
20	1.848E-01		0	1.848E-01		999	1.474E+03		999	1.474E+03		999
21	1.763E-01		0	1.763E-01		999	1.496E+03		999	1.496E+03		999
22	1.680E-01		999	1.680E-01		0	1.518E+03		999	1.518E+03		999
23	1.599E-01		0	1.599E-01		999	1.540E+03		999	1.540E+03		999
24	1.520E-01		0	1.520E-01		999	1.562E+03		999	1.562E+03		999
25	1.442E-01		0	1.442E-01		999	1.583E+03		999	1.583E+03		999
26	1.367E-01		0	1.367E-01		999	1.604E+03		999	1.604E+03		999
27	1.293E-01		999	1.293E-01		0	1.625E+03		999	1.625E+03		999
28	1.221E-01		999	1.221E-01		0	1.645E+03		999	1.645E+03		999
29	1.151E-01		999	1.151E-01		0	1.665E+03		999	1.665E+03		999
30	1.083E-01		0	1.083E-01		999	1.684E+03		999	1.684E+03		999
31	1.017E-01		0	1.017E-01		999	1.703E+03		999	1.703E+03		999
32	9.528E-02		0	9.528E-02		999	1.722E+03		999	1.722E+03		999
33	8.908E-02		0	8.908E-02		999	1.740E+03		999	1.740E+03		999
34	8.309E-02		999	8.309E-02		0	1.758E+03		999	1.758E+03		999
35	7.730E-02		0	7.730E-02		999	1.776E+03		999	1.776E+03		999
36	7.172E-02		0	7.172E-02		999	1.793E+03		999	1.793E+03		999
37	6.635E-02		999	6.635E-02		0	1.810E+03		999	1.810E+03		999
38	6.120E-02		999	6.120E-02		0	1.826E+03		999	1.826E+03		999
39	5.626E-02		0	5.626E-02		999	1.842E+03		999	1.842E+03		999
40	5.154E-02		0	5.154E-02		999	1.858E+03		999	1.858E+03		999
41	4.703E-02		0	4.703E-02		999	1.873E+03		999	1.873E+03		999
42	4.275E-02		0	4.275E-02		999	1.887E+03		999	1.887E+03		999
43	3.869E-02		0	3.869E-02		999	1.902E+03		999	1.902E+03		999
44	3.485E-02		999	3.485E-02		0	1.915E+03		999	1.915E+03		999
45	3.124E-02		999	3.124E-02		0	1.929E+03		999	1.929E+03		999
46	2.785E-02		999	2.785E-02		0	1.942E+03		999	1.942E+03		999



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.470E-02		999	2.470E-02		0	1.954E+03		999	1.954E+03		999
48	2.177E-02		0	2.177E-02		999	1.966E+03		999	1.966E+03		999
49	1.908E-02		0	1.908E-02		999	1.978E+03		999	1.978E+03		999
50	1.661E-02		0	1.661E-02		999	1.989E+03		999	1.989E+03		999
51	1.434E-02		0	1.434E-02		999	2.000E+03		999	2.000E+03		999
52	1.224E-02		0	1.224E-02		999	2.010E+03		999	2.010E+03		999
53	1.030E-02		0	1.030E-02		999	2.020E+03		999	2.020E+03		999
54	8.519E-03		0	8.519E-03		999	2.030E+03		999	2.030E+03		999
55	6.908E-03		999	6.908E-03		0	2.039E+03		999	2.039E+03		999
56	5.465E-03		0	5.465E-03		999	2.048E+03		999	2.048E+03		999
57	4.188E-03		999	4.188E-03		0	2.056E+03		999	2.056E+03		999
58	3.081E-03		999	3.081E-03		0	2.064E+03		999	2.064E+03		999
59	2.141E-03		999	2.141E-03		0	2.071E+03		999	2.071E+03		999
60	1.372E-03		0	1.372E-03		999	2.078E+03		999	2.078E+03		999
61	7.725E-04		999	7.725E-04		0	2.085E+03		999	2.085E+03		999
62	3.437E-04		0	3.437E-04		999	2.091E+03		999	2.091E+03		999
63	8.604E-05		0	8.604E-05		999	2.097E+03		999	2.097E+03		999
64	0.000E+00		999	0.000E+00		999	1.051E+03		999	1.051E+03		999
65	8.604E-05		0	8.604E-05		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	4.835E+02 999	4.835E+02 999	-3.612E+01 999	-3.612E+01 999
1	4.832E+02 999	4.832E+02 999	0.000E+00 999	0.000E+00 999
2	-1.547E-01 999	-1.547E-01 999	0.000E+00 999	0.000E+00 999
3	-4.360E-02 999	-4.360E-02 999	0.000E+00 999	0.000E+00 999
4	6.738E-02 999	6.738E-02 999	0.000E+00 999	0.000E+00 999
5	1.784E-01 999	1.784E-01 999	0.000E+00 999	0.000E+00 999
6	2.894E-01 999	2.894E-01 999	0.000E+00 999	0.000E+00 999
7	4.004E-01 999	4.004E-01 999	0.000E+00 999	0.000E+00 999
8	5.114E-01 999	5.114E-01 999	0.000E+00 999	0.000E+00 999
9	6.224E-01 999	6.224E-01 999	0.000E+00 999	0.000E+00 999
10	7.334E-01 999	7.334E-01 999	0.000E+00 999	0.000E+00 999
11	8.443E-01 999	8.443E-01 999	0.000E+00 999	0.000E+00 999
12	9.554E-01 999	9.554E-01 999	0.000E+00 999	0.000E+00 999
13	1.066E+00 999	1.066E+00 999	0.000E+00 999	0.000E+00 999
14	1.177E+00 999	1.177E+00 999	0.000E+00 999	0.000E+00 999
15	1.288E+00 999	1.288E+00 999	0.000E+00 999	0.000E+00 999
16	1.399E+00 999	1.399E+00 999	0.000E+00 999	0.000E+00 999
17	1.510E+00 999	1.510E+00 999	0.000E+00 999	0.000E+00 999
18	1.621E+00 999	1.621E+00 999	0.000E+00 999	0.000E+00 999
19	1.732E+00 999	1.732E+00 999	0.000E+00 999	0.000E+00 999
20	1.843E+00 999	1.843E+00 999	0.000E+00 999	0.000E+00 999
21	1.954E+00 999	1.954E+00 999	0.000E+00 999	0.000E+00 999
22	2.065E+00 999	2.065E+00 999	0.000E+00 999	0.000E+00 999
23	2.176E+00 999	2.176E+00 999	0.000E+00 999	0.000E+00 999
24	2.287E+00 999	2.287E+00 999	0.000E+00 999	0.000E+00 999
25	2.398E+00 999	2.398E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.509E+00 999	2.509E+00 999	0.000E+00 999	0.000E+00 999
27	2.620E+00 999	2.620E+00 999	0.000E+00 999	0.000E+00 999
28	2.731E+00 999	2.731E+00 999	0.000E+00 999	0.000E+00 999
29	2.842E+00 999	2.842E+00 999	0.000E+00 999	0.000E+00 999
30	2.953E+00 999	2.953E+00 999	0.000E+00 999	0.000E+00 999
31	3.064E+00 999	3.064E+00 999	0.000E+00 999	0.000E+00 999
32	3.175E+00 999	3.175E+00 999	0.000E+00 999	0.000E+00 999
33	3.286E+00 999	3.286E+00 999	0.000E+00 999	0.000E+00 999
34	3.397E+00 999	3.397E+00 999	0.000E+00 999	0.000E+00 999
35	3.508E+00 999	3.508E+00 999	0.000E+00 999	0.000E+00 999
36	3.619E+00 999	3.619E+00 999	0.000E+00 999	0.000E+00 999
37	3.730E+00 999	3.730E+00 999	0.000E+00 999	0.000E+00 999
38	3.841E+00 999	3.841E+00 999	0.000E+00 999	0.000E+00 999
39	3.952E+00 999	3.952E+00 999	0.000E+00 999	0.000E+00 999
40	4.063E+00 999	4.063E+00 999	0.000E+00 999	0.000E+00 999
41	4.174E+00 999	4.174E+00 999	0.000E+00 999	0.000E+00 999
42	4.285E+00 999	4.285E+00 999	0.000E+00 999	0.000E+00 999
43	4.396E+00 999	4.396E+00 999	0.000E+00 999	0.000E+00 999
44	4.507E+00 999	4.507E+00 999	0.000E+00 999	0.000E+00 999
45	4.618E+00 999	4.618E+00 999	0.000E+00 999	0.000E+00 999
46	4.729E+00 999	4.729E+00 999	0.000E+00 999	0.000E+00 999
47	4.840E+00 999	4.840E+00 999	0.000E+00 999	0.000E+00 999
48	4.951E+00 999	4.951E+00 999	0.000E+00 999	0.000E+00 999
49	5.062E+00 999	5.062E+00 999	0.000E+00 999	0.000E+00 999
50	5.173E+00 999	5.173E+00 999	0.000E+00 999	0.000E+00 999
51	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
53	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
54	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
55	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
56	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
57	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
58	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
59	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
60	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
61	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
62	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
63	5.229E+00 999	5.229E+00 999	0.000E+00 999	0.000E+00 999
64	-1.046E+03 999	-1.046E+03 999	-5.229E+00 999	-5.229E+00 999
65	-1.051E+03 999	-1.051E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	6.520E+01	0.000E+00	8.921E+02	0.000E+00	-2.429E+03	
0	50	0	3.398E+07	3.200E-02	0.000E+00	0.000E+00	0.000E+00	-2.429E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF  
 NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.264E-01		0.000E+00		0.000E+00
0	0.000E+00	1.224E-01	-4.022E-03	4.460E+02	4.460E+02	0.000E+00
1	1.000E+00	1.184E-01	-3.996E-03	9.670E+02	5.113E+02	0.000E+00
2	2.000E+00	1.144E-01	-3.968E-03	1.042E+03	6.525E+01	0.000E+00
3	3.000E+00	1.105E-01	-3.937E-03	1.117E+03	6.528E+01	0.000E+00
4	4.000E+00	1.066E-01	-3.904E-03	1.192E+03	6.531E+01	0.000E+00
5	5.000E+00	1.027E-01	-3.869E-03	1.266E+03	6.534E+01	0.000E+00
6	6.000E+00	9.886E-02	-3.832E-03	1.341E+03	6.538E+01	0.000E+00
7	7.000E+00	9.507E-02	-3.792E-03	1.416E+03	6.541E+01	0.000E+00
8	8.000E+00	9.132E-02	-3.751E-03	1.490E+03	6.544E+01	0.000E+00
9	9.000E+00	8.761E-02	-3.707E-03	1.490E+03	6.547E+01	0.000E+00
10	1.000E+01	8.395E-02	-3.661E-03	1.565E+03	6.550E+01	0.000E+00
11	1.100E+01	8.034E-02	-3.613E-03	1.639E+03	6.554E+01	0.000E+00
12	1.200E+01	7.678E-02	-3.562E-03	1.713E+03	6.557E+01	0.000E+00
13	1.300E+01	7.327E-02	-3.510E-03	1.788E+03	6.560E+01	0.000E+00
14	1.400E+01	6.981E-02	-3.455E-03	1.862E+03	6.563E+01	0.000E+00
15	1.500E+01	6.642E-02	-3.398E-03	1.936E+03	6.566E+01	0.000E+00
16	1.600E+01	6.308E-02	-3.339E-03	2.010E+03	6.570E+01	0.000E+00
17	1.700E+01	5.980E-02	-3.277E-03	2.083E+03	6.573E+01	0.000E+00
18	1.800E+01	5.659E-02	-3.214E-03	2.157E+03	6.576E+01	0.000E+00
19	1.900E+01	5.344E-02	-3.148E-03	2.231E+03	6.579E+01	0.000E+00
20	2.000E+01	5.036E-02	-3.080E-03	2.304E+03	6.582E+01	0.000E+00
21	2.100E+01	4.735E-02	-3.010E-03	2.377E+03	6.586E+01	0.000E+00
				2.451E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	4.441E-02	-2.938E-03	2.524E+03	6.589E+01	0.000E+00
23	2.300E+01	4.155E-02	-2.864E-03	2.596E+03	6.592E+01	0.000E+00
24	2.400E+01	3.876E-02	-2.788E-03	2.669E+03	6.595E+01	0.000E+00
25	2.500E+01	3.605E-02	-2.709E-03	2.742E+03	6.598E+01	0.000E+00
26	2.600E+01	3.342E-02	-2.628E-03	2.814E+03	6.602E+01	0.000E+00
27	2.700E+01	3.087E-02	-2.546E-03	2.886E+03	6.605E+01	0.000E+00
28	2.800E+01	2.841E-02	-2.461E-03	2.958E+03	6.608E+01	0.000E+00
29	2.900E+01	2.604E-02	-2.374E-03	3.030E+03	6.611E+01	0.000E+00
30	3.000E+01	2.376E-02	-2.284E-03	3.102E+03	6.614E+01	0.000E+00
31	3.100E+01	2.156E-02	-2.193E-03	3.174E+03	6.618E+01	0.000E+00
32	3.200E+01	1.946E-02	-2.100E-03	3.245E+03	6.621E+01	0.000E+00
33	3.300E+01	1.746E-02	-2.004E-03	3.316E+03	6.624E+01	0.000E+00
34	3.400E+01	1.555E-02	-1.907E-03	3.387E+03	6.627E+01	0.000E+00
35	3.500E+01	1.375E-02	-1.807E-03	3.458E+03	6.630E+01	0.000E+00
36	3.600E+01	1.204E-02	-1.705E-03	3.528E+03	6.634E+01	0.000E+00
37	3.700E+01	1.044E-02	-1.601E-03	3.598E+03	6.637E+01	0.000E+00
38	3.800E+01	8.943E-03	-1.495E-03	3.668E+03	6.640E+01	0.000E+00
39	3.900E+01	7.556E-03	-1.388E-03	3.738E+03	6.643E+01	0.000E+00
40	4.000E+01	6.278E-03	-1.278E-03	3.808E+03	6.646E+01	0.000E+00
41	4.100E+01	5.113E-03	-1.165E-03	3.877E+03	6.650E+01	0.000E+00
42	4.200E+01	4.061E-03	-1.051E-03	3.946E+03	6.653E+01	0.000E+00
43	4.300E+01	3.126E-03	-9.352E-04	4.015E+03	6.656E+01	0.000E+00
44	4.400E+01	2.309E-03	-8.171E-04	4.083E+03	6.659E+01	0.000E+00
45	4.500E+01	1.612E-03	-6.969E-04	4.152E+03	6.662E+01	0.000E+00
46	4.600E+01	1.037E-03	-5.747E-04	4.220E+03	6.666E+01	0.000E+00
47	4.700E+01	5.866E-04	-4.506E-04	4.288E+03	6.669E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.623E-04	-3.244E-04	4.355E+03	6.672E+01	0.000E+00
49	4.900E+01	6.606E-05	-1.962E-04	4.422E+03	6.675E+01	0.000E+00
50	5.000E+01	0.000E+00	-6.606E-05	2.245E+03	-2.178E+03	-6.680E+01
51	5.100E+01	6.606E-05	6.606E-05	0.000E+00	-2.245E+03	0.000E+00

PROB (CONTD)

10 Live Load Case A, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.264E-01	999		1.264E-01	0		0.000E+00	999		0.000E+00	999	
0	1.224E-01	0		1.224E-01	999		4.460E+02	999		4.460E+02	999	
1	1.184E-01	0		1.184E-01	999		9.670E+02	999		9.670E+02	999	
2	1.144E-01	0		1.144E-01	999		1.042E+03	999		1.042E+03	999	
3	1.105E-01	0		1.105E-01	999		1.117E+03	999		1.117E+03	999	
4	1.066E-01	0		1.066E-01	999		1.192E+03	999		1.192E+03	999	
5	1.027E-01	0		1.027E-01	999		1.266E+03	999		1.266E+03	999	
6	9.886E-02	999		9.886E-02	0		1.341E+03	999		1.341E+03	999	
7	9.507E-02	999		9.507E-02	0		1.416E+03	999		1.416E+03	999	
8	9.132E-02	0		9.132E-02	999		1.490E+03	999		1.490E+03	999	
9	8.761E-02	0		8.761E-02	999		1.565E+03	999		1.565E+03	999	
10	8.395E-02	999		8.395E-02	0		1.639E+03	999		1.639E+03	999	
11	8.034E-02	0		8.034E-02	999		1.713E+03	999		1.713E+03	999	
12	7.678E-02	999		7.678E-02	0		1.788E+03	999		1.788E+03	999	
13	7.327E-02	0		7.327E-02	999		1.862E+03	999		1.862E+03	999	
14	6.981E-02	999		6.981E-02	0		1.936E+03	999		1.936E+03	999	
15	6.642E-02	0		6.642E-02	999		2.010E+03	999		2.010E+03	999	
16	6.308E-02	0		6.308E-02	999		2.083E+03	999		2.083E+03	999	
17	5.980E-02	0		5.980E-02	999		2.157E+03	999		2.157E+03	999	
18	5.659E-02	999		5.659E-02	0		2.231E+03	999		2.231E+03	999	
19	5.344E-02	0		5.344E-02	999		2.304E+03	999		2.304E+03	999	
20	5.036E-02	0		5.036E-02	999		2.377E+03	999		2.377E+03	999	
21	4.735E-02	0		4.735E-02	999		2.451E+03	999		2.451E+03	999	
22	4.441E-02	999		4.441E-02	0		2.524E+03	999		2.524E+03	999	
23	4.155E-02	0		4.155E-02	999		2.596E+03	999		2.596E+03	999	
24	3.876E-02	0		3.876E-02	999		2.669E+03	999		2.669E+03	999	
25	3.605E-02	999		3.605E-02	0		2.742E+03	999		2.742E+03	999	
26	3.342E-02	0		3.342E-02	999		2.814E+03	999		2.814E+03	999	
27	3.087E-02	0		3.087E-02	999		2.886E+03	999		2.886E+03	999	
28	2.841E-02	0		2.841E-02	999		2.958E+03	999		2.958E+03	999	
29	2.604E-02	999		2.604E-02	0		3.030E+03	999		3.030E+03	999	
30	2.376E-02	999		2.376E-02	0		3.102E+03	999		3.102E+03	999	
31	2.156E-02	999		2.156E-02	0		3.174E+03	999		3.174E+03	999	
32	1.946E-02	0		1.946E-02	999		3.245E+03	999		3.245E+03	999	
33	1.746E-02	999		1.746E-02	0		3.316E+03	999		3.316E+03	999	
34	1.555E-02	999		1.555E-02	0		3.387E+03	999		3.387E+03	999	
35	1.375E-02	999		1.375E-02	0		3.458E+03	999		3.458E+03	999	
36	1.204E-02	999		1.204E-02	0		3.528E+03	999		3.528E+03	999	
37	1.044E-02	999		1.044E-02	0		3.598E+03	999		3.598E+03	999	
38	8.943E-03	0		8.943E-03	999		3.668E+03	999		3.668E+03	999	
39	7.556E-03	0		7.556E-03	999		3.738E+03	999		3.738E+03	999	
40	6.278E-03	0		6.278E-03	999		3.808E+03	999		3.808E+03	999	
41	5.113E-03	0		5.113E-03	999		3.877E+03	999		3.877E+03	999	
42	4.061E-03	999		4.061E-03	0		3.946E+03	999		3.946E+03	999	
43	3.126E-03	0		3.126E-03	999		4.015E+03	999		4.015E+03	999	
44	2.309E-03	999		2.309E-03	0		4.083E+03	999		4.083E+03	999	
45	1.612E-03	999		1.612E-03	0		4.152E+03	999		4.152E+03	999	
46	1.037E-03	0		1.037E-03	999		4.220E+03	999		4.220E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	5.866E-04	999		5.866E-04	0		4.288E+03	999		4.288E+03	999	
48	2.623E-04	0		2.623E-04	999		4.355E+03	999		4.355E+03	999	
49	6.606E-05	999		6.606E-05	0		4.422E+03	999		4.422E+03	999	
50	0.000E+00	999		0.000E+00	999		2.245E+03	999		2.245E+03	999	
51	6.606E-05	999		6.606E-05	0		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	4.460E+02 999	4.460E+02 999	0.000E+00 999	0.000E+00 999
0	5.113E+02 999	5.113E+02 999	0.000E+00 999	0.000E+00 999
1	6.525E+01 999	6.525E+01 999	0.000E+00 999	0.000E+00 999
2	6.528E+01 999	6.528E+01 999	0.000E+00 999	0.000E+00 999
3	6.531E+01 999	6.531E+01 999	0.000E+00 999	0.000E+00 999
4	6.534E+01 999	6.534E+01 999	0.000E+00 999	0.000E+00 999
5	6.538E+01 999	6.538E+01 999	0.000E+00 999	0.000E+00 999
6	6.541E+01 999	6.541E+01 999	0.000E+00 999	0.000E+00 999
7	6.544E+01 999	6.544E+01 999	0.000E+00 999	0.000E+00 999
8	6.547E+01 999	6.547E+01 999	0.000E+00 999	0.000E+00 999
9	6.550E+01 999	6.550E+01 999	0.000E+00 999	0.000E+00 999
10	6.554E+01 999	6.554E+01 999	0.000E+00 999	0.000E+00 999
11	6.557E+01 999	6.557E+01 999	0.000E+00 999	0.000E+00 999
12	6.560E+01 999	6.560E+01 999	0.000E+00 999	0.000E+00 999
13	6.563E+01 999	6.563E+01 999	0.000E+00 999	0.000E+00 999
14	6.566E+01 999	6.566E+01 999	0.000E+00 999	0.000E+00 999
15	6.570E+01 999	6.570E+01 999	0.000E+00 999	0.000E+00 999
16	6.573E+01 999	6.573E+01 999	0.000E+00 999	0.000E+00 999
17	6.576E+01 999	6.576E+01 999	0.000E+00 999	0.000E+00 999
18	6.579E+01 999	6.579E+01 999	0.000E+00 999	0.000E+00 999
19	6.582E+01 999	6.582E+01 999	0.000E+00 999	0.000E+00 999
20	6.586E+01 999	6.586E+01 999	0.000E+00 999	0.000E+00 999
21	6.589E+01 999	6.589E+01 999	0.000E+00 999	0.000E+00 999
22	6.592E+01 999	6.592E+01 999	0.000E+00 999	0.000E+00 999
23	6.595E+01 999	6.595E+01 999	0.000E+00 999	0.000E+00 999
24	6.598E+01 999	6.598E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	6.602E+01 999	6.602E+01 999	0.000E+00 999	0.000E+00 999
27	6.605E+01 999	6.605E+01 999	0.000E+00 999	0.000E+00 999
28	6.608E+01 999	6.608E+01 999	0.000E+00 999	0.000E+00 999
29	6.611E+01 999	6.611E+01 999	0.000E+00 999	0.000E+00 999
30	6.614E+01 999	6.614E+01 999	0.000E+00 999	0.000E+00 999
31	6.618E+01 999	6.618E+01 999	0.000E+00 999	0.000E+00 999
32	6.621E+01 999	6.621E+01 999	0.000E+00 999	0.000E+00 999
33	6.624E+01 999	6.624E+01 999	0.000E+00 999	0.000E+00 999
34	6.627E+01 999	6.627E+01 999	0.000E+00 999	0.000E+00 999
35	6.630E+01 999	6.630E+01 999	0.000E+00 999	0.000E+00 999
36	6.634E+01 999	6.634E+01 999	0.000E+00 999	0.000E+00 999
37	6.637E+01 999	6.637E+01 999	0.000E+00 999	0.000E+00 999
38	6.640E+01 999	6.640E+01 999	0.000E+00 999	0.000E+00 999
39	6.643E+01 999	6.643E+01 999	0.000E+00 999	0.000E+00 999
40	6.646E+01 999	6.646E+01 999	0.000E+00 999	0.000E+00 999
41	6.650E+01 999	6.650E+01 999	0.000E+00 999	0.000E+00 999
42	6.653E+01 999	6.653E+01 999	0.000E+00 999	0.000E+00 999
43	6.656E+01 999	6.656E+01 999	0.000E+00 999	0.000E+00 999
44	6.659E+01 999	6.659E+01 999	0.000E+00 999	0.000E+00 999
45	6.662E+01 999	6.662E+01 999	0.000E+00 999	0.000E+00 999
46	6.666E+01 999	6.666E+01 999	0.000E+00 999	0.000E+00 999
47	6.669E+01 999	6.669E+01 999	0.000E+00 999	0.000E+00 999
48	6.672E+01 999	6.672E+01 999	0.000E+00 999	0.000E+00 999
49	6.675E+01 999	6.675E+01 999	0.000E+00 999	0.000E+00 999
50	-2.178E+03 999	-2.178E+03 999	-6.680E+01 999	-6.680E+01 999
51	-2.245E+03 999	-2.245E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				



TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS		TABLE NUMBER			
	2	3	4	5	6	
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	
NUM CARDS INPUT THIS PROBLEM	1	2	3	0	0	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		DEFL	MOM	SHR	RCT	
		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.130E+01	0.000E+00	4.454E+02	0.000E+00	-1.577E+03
0	50	0	8.496E+06	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 11        Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.975E-01		0.000E+00		0.000E+00
			-1.049E-02		2.227E+02	
0	0.000E+00	3.870E-01		2.227E+02		1.051E+01
			-1.043E-02		2.445E+02	
1	1.000E+00	3.766E-01		4.837E+02		0.000E+00
			-1.038E-02		2.181E+01	
2	2.000E+00	3.662E-01		5.218E+02		0.000E+00
			-1.031E-02		2.181E+01	
3	3.000E+00	3.559E-01		5.599E+02		0.000E+00
			-1.025E-02		2.181E+01	
4	4.000E+00	3.456E-01		5.979E+02		0.000E+00
			-1.018E-02		2.181E+01	
5	5.000E+00	3.354E-01		6.357E+02		0.000E+00
			-1.010E-02		2.181E+01	
6	6.000E+00	3.253E-01		6.735E+02		0.000E+00
			-1.002E-02		2.181E+01	
7	7.000E+00	3.153E-01		7.111E+02		0.000E+00
			-9.941E-03		2.181E+01	
8	8.000E+00	3.054E-01		7.486E+02		0.000E+00
			-9.853E-03		2.181E+01	
9	9.000E+00	2.955E-01		7.859E+02		0.000E+00
			-9.760E-03		2.181E+01	
10	1.000E+01	2.858E-01		8.231E+02		0.000E+00
			-9.663E-03		2.181E+01	
11	1.100E+01	2.761E-01		8.602E+02		0.000E+00
			-9.562E-03		2.181E+01	
12	1.200E+01	2.665E-01		8.971E+02		0.000E+00
			-9.456E-03		2.181E+01	
13	1.300E+01	2.571E-01		9.338E+02		0.000E+00
			-9.346E-03		2.181E+01	
14	1.400E+01	2.477E-01		9.703E+02		0.000E+00
			-9.232E-03		2.181E+01	
15	1.500E+01	2.385E-01		1.007E+03		0.000E+00
			-9.114E-03		2.181E+01	
16	1.600E+01	2.294E-01		1.043E+03		0.000E+00
			-8.991E-03		2.181E+01	
17	1.700E+01	2.204E-01		1.079E+03		0.000E+00
			-8.864E-03		2.181E+01	
18	1.800E+01	2.115E-01		1.115E+03		0.000E+00
			-8.733E-03		2.181E+01	
19	1.900E+01	2.028E-01		1.150E+03		0.000E+00
			-8.597E-03		2.181E+01	
20	2.000E+01	1.942E-01		1.186E+03		0.000E+00
			-8.458E-03		2.181E+01	
21	2.100E+01	1.858E-01		1.221E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.774E-01	-8.314E-03	1.256E+03	2.181E+01	0.000E+00
23	2.300E+01	1.693E-01	-8.166E-03	1.290E+03	2.181E+01	0.000E+00
24	2.400E+01	1.613E-01	-8.014E-03	1.325E+03	2.181E+01	0.000E+00
25	2.500E+01	1.534E-01	-7.859E-03	1.359E+03	2.181E+01	0.000E+00
26	2.600E+01	1.457E-01	-7.699E-03	1.393E+03	2.181E+01	0.000E+00
27	2.700E+01	1.382E-01	-7.535E-03	1.427E+03	2.181E+01	0.000E+00
28	2.800E+01	1.308E-01	-7.367E-03	1.460E+03	2.181E+01	0.000E+00
29	2.900E+01	1.236E-01	-7.195E-03	1.493E+03	2.181E+01	0.000E+00
30	3.000E+01	1.166E-01	-7.019E-03	1.526E+03	2.181E+01	0.000E+00
31	3.100E+01	1.097E-01	-6.839E-03	1.559E+03	2.181E+01	0.000E+00
32	3.200E+01	1.031E-01	-6.656E-03	1.591E+03	2.181E+01	0.000E+00
33	3.300E+01	9.662E-02	-6.469E-03	1.623E+03	2.181E+01	0.000E+00
34	3.400E+01	9.034E-02	-6.278E-03	1.655E+03	2.181E+01	0.000E+00
35	3.500E+01	8.426E-02	-6.083E-03	1.686E+03	2.181E+01	0.000E+00
36	3.600E+01	7.837E-02	-5.885E-03	1.717E+03	2.181E+01	0.000E+00
37	3.700E+01	7.269E-02	-5.682E-03	1.748E+03	2.181E+01	0.000E+00
38	3.800E+01	6.722E-02	-5.477E-03	1.778E+03	2.181E+01	0.000E+00
39	3.900E+01	6.195E-02	-5.267E-03	1.809E+03	2.181E+01	0.000E+00
40	4.000E+01	5.689E-02	-5.054E-03	1.838E+03	2.181E+01	0.000E+00
41	4.100E+01	5.206E-02	-4.838E-03	1.868E+03	2.181E+01	0.000E+00
42	4.200E+01	4.744E-02	-4.618E-03	1.897E+03	2.181E+01	0.000E+00
43	4.300E+01	4.304E-02	-4.395E-03	1.926E+03	2.181E+01	0.000E+00
44	4.400E+01	3.887E-02	-4.168E-03	1.954E+03	2.181E+01	0.000E+00
45	4.500E+01	3.494E-02	-3.938E-03	1.982E+03	2.181E+01	0.000E+00
46	4.600E+01	3.123E-02	-3.705E-03	2.010E+03	2.181E+01	0.000E+00
47	4.700E+01	2.776E-02	-3.469E-03	2.037E+03	2.181E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.453E-02	-3.229E-03	2.064E+03	2.181E+01	0.000E+00
49	4.900E+01	2.155E-02	-2.986E-03	2.090E+03	2.181E+01	0.000E+00
50	5.000E+01	1.881E-02	-2.740E-03	2.116E+03	2.181E+01	0.000E+00
51	5.100E+01	1.627E-02	-2.536E-03	2.142E+03	2.181E+01	0.000E+00
52	5.200E+01	1.391E-02	-2.360E-03	2.168E+03	2.181E+01	0.000E+00
53	5.300E+01	1.173E-02	-2.183E-03	2.193E+03	2.181E+01	0.000E+00
54	5.400E+01	9.725E-03	-2.003E-03	2.218E+03	2.181E+01	0.000E+00
55	5.500E+01	7.904E-03	-1.822E-03	2.243E+03	2.181E+01	0.000E+00
56	5.600E+01	6.265E-03	-1.638E-03	2.267E+03	2.181E+01	0.000E+00
57	5.700E+01	4.812E-03	-1.453E-03	2.291E+03	2.181E+01	0.000E+00
58	5.800E+01	3.547E-03	-1.265E-03	2.315E+03	2.181E+01	0.000E+00
59	5.900E+01	2.471E-03	-1.076E-03	2.338E+03	2.181E+01	0.000E+00
60	6.000E+01	1.587E-03	-8.845E-04	2.362E+03	2.181E+01	0.000E+00
61	6.100E+01	8.955E-04	-6.912E-04	2.385E+03	2.181E+01	0.000E+00
62	6.200E+01	3.994E-04	-4.961E-04	2.407E+03	2.181E+01	0.000E+00
63	6.300E+01	1.003E-04	-2.991E-04	2.429E+03	2.181E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.003E-04	1.226E+03	-1.204E+03	-2.181E+01
65	6.500E+01	1.003E-04	1.003E-04	0.000E+00	-1.226E+03	0.000E+00

PROB (CONTD)

11 Live Load Case B, Water Case 1, 0 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.975E-01	999		3.975E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		2.227E+02	999		2.227E+02	999	
1	3.766E-01	999		3.766E-01	0		4.837E+02	999		4.837E+02	999	
2	3.662E-01	0		3.662E-01	999		5.218E+02	999		5.218E+02	999	
3	3.559E-01	999		3.559E-01	0		5.599E+02	999		5.599E+02	999	
4	3.456E-01	999		3.456E-01	0		5.979E+02	999		5.979E+02	999	
5	3.354E-01	0		3.354E-01	999		6.357E+02	999		6.357E+02	999	
6	3.253E-01	0		3.253E-01	999		6.735E+02	999		6.735E+02	999	
7	3.153E-01	0		3.153E-01	999		7.111E+02	999		7.111E+02	999	
8	3.054E-01	0		3.054E-01	999		7.486E+02	999		7.486E+02	999	
9	2.955E-01	0		2.955E-01	999		7.859E+02	999		7.859E+02	999	
10	2.858E-01	999		2.858E-01	0		8.231E+02	999		8.231E+02	999	
11	2.761E-01	0		2.761E-01	999		8.602E+02	999		8.602E+02	999	
12	2.665E-01	0		2.665E-01	999		8.971E+02	999		8.971E+02	999	
13	2.571E-01	999		2.571E-01	0		9.338E+02	999		9.338E+02	999	
14	2.477E-01	0		2.477E-01	999		9.703E+02	999		9.703E+02	999	
15	2.385E-01	999		2.385E-01	0		1.007E+03	999		1.007E+03	999	
16	2.294E-01	999		2.294E-01	0		1.043E+03	999		1.043E+03	999	
17	2.204E-01	0		2.204E-01	999		1.079E+03	999		1.079E+03	999	
18	2.115E-01	999		2.115E-01	0		1.115E+03	999		1.115E+03	999	
19	2.028E-01	0		2.028E-01	999		1.150E+03	999		1.150E+03	999	
20	1.942E-01	0		1.942E-01	999		1.186E+03	999		1.186E+03	999	
21	1.858E-01	0		1.858E-01	999		1.221E+03	999		1.221E+03	999	
22	1.774E-01	0		1.774E-01	999		1.256E+03	999		1.256E+03	999	
23	1.693E-01	999		1.693E-01	0		1.290E+03	999		1.290E+03	999	
24	1.613E-01	0		1.613E-01	999		1.325E+03	999		1.325E+03	999	
25	1.534E-01	0		1.534E-01	999		1.359E+03	999		1.359E+03	999	
26	1.457E-01	999		1.457E-01	0		1.393E+03	999		1.393E+03	999	
27	1.382E-01	999		1.382E-01	0		1.427E+03	999		1.427E+03	999	
28	1.308E-01	999		1.308E-01	0		1.460E+03	999		1.460E+03	999	
29	1.236E-01	0		1.236E-01	999		1.493E+03	999		1.493E+03	999	
30	1.166E-01	999		1.166E-01	0		1.526E+03	999		1.526E+03	999	
31	1.097E-01	0		1.097E-01	999		1.559E+03	999		1.559E+03	999	
32	1.031E-01	999		1.031E-01	0		1.591E+03	999		1.591E+03	999	
33	9.662E-02	0		9.662E-02	999		1.623E+03	999		1.623E+03	999	
34	9.034E-02	0		9.034E-02	999		1.655E+03	999		1.655E+03	999	
35	8.426E-02	999		8.426E-02	0		1.686E+03	999		1.686E+03	999	
36	7.837E-02	999		7.837E-02	0		1.717E+03	999		1.717E+03	999	
37	7.269E-02	0		7.269E-02	999		1.748E+03	999		1.748E+03	999	
38	6.722E-02	999		6.722E-02	0		1.778E+03	999		1.778E+03	999	
39	6.195E-02	0		6.195E-02	999		1.809E+03	999		1.809E+03	999	
40	5.689E-02	999		5.689E-02	0		1.838E+03	999		1.838E+03	999	
41	5.206E-02	999		5.206E-02	0		1.868E+03	999		1.868E+03	999	
42	4.744E-02	0		4.744E-02	999		1.897E+03	999		1.897E+03	999	
43	4.304E-02	0		4.304E-02	999		1.926E+03	999		1.926E+03	999	
44	3.887E-02	999		3.887E-02	0		1.954E+03	999		1.954E+03	999	
45	3.494E-02	999		3.494E-02	0		1.982E+03	999		1.982E+03	999	
46	3.123E-02	999		3.123E-02	0		2.010E+03	999		2.010E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.776E-02	999		2.776E-02	0		2.037E+03	999		2.037E+03	999	
48	2.453E-02	999		2.453E-02	0		2.064E+03	999		2.064E+03	999	
49	2.155E-02	0		2.155E-02	999		2.090E+03	999		2.090E+03	999	
50	1.881E-02	0		1.881E-02	999		2.116E+03	999		2.116E+03	999	
51	1.627E-02	0		1.627E-02	999		2.142E+03	999		2.142E+03	999	
52	1.391E-02	999		1.391E-02	0		2.168E+03	999		2.168E+03	999	
53	1.173E-02	0		1.173E-02	999		2.193E+03	999		2.193E+03	999	
54	9.725E-03	999		9.725E-03	0		2.218E+03	999		2.218E+03	999	
55	7.904E-03	0		7.904E-03	999		2.243E+03	999		2.243E+03	999	
56	6.265E-03	0		6.265E-03	999		2.267E+03	999		2.267E+03	999	
57	4.812E-03	0		4.812E-03	999		2.291E+03	999		2.291E+03	999	
58	3.547E-03	999		3.547E-03	0		2.315E+03	999		2.315E+03	999	
59	2.471E-03	999		2.471E-03	0		2.338E+03	999		2.338E+03	999	
60	1.587E-03	0		1.587E-03	999		2.362E+03	999		2.362E+03	999	
61	8.955E-04	0		8.955E-04	999		2.385E+03	999		2.385E+03	999	
62	3.994E-04	0		3.994E-04	999		2.407E+03	999		2.407E+03	999	
63	1.003E-04	0		1.003E-04	999		2.429E+03	999		2.429E+03	999	
64	0.000E+00	999		0.000E+00	999		1.226E+03	999		1.226E+03	999	
65	1.003E-04	0		1.003E-04	999		0.000E+00	999		0.000E+00	999	



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	2.227E+02 999	2.227E+02 999	1.051E+01 999	1.051E+01 999
1	2.445E+02 999	2.445E+02 999	0.000E+00 999	0.000E+00 999
2	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
3	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
4	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
5	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
6	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
7	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
8	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
9	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
10	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
11	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
12	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
13	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
14	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
15	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
16	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
17	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
18	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
19	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
20	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
21	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
22	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
23	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
24	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
25	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
27	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
28	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
29	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
30	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
31	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
32	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
33	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
34	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
35	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
36	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
37	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
38	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
39	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
40	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
41	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
42	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
43	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
44	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
45	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
46	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
47	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
48	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
49	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
50	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
51	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
53	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
54	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
55	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
56	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
57	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
58	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
59	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
60	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
61	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
62	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
63	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
64	-1.204E+03 999	-1.204E+03 999	-2.181E+01 999	-2.181E+01 999
65	-1.226E+03 999	-1.226E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	DESIGNATED STATIONS FOR INFLUENCE DIAGRAMS				
	STA	STA	STA	STA	STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.450E+01	0.000E+00	3.935E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	6.400E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 12        Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.320E-01		0.000E+00		0.000E+00
			-8.231E-03		1.968E+03	
0	0.000E+00	2.237E-01		1.968E+03		0.000E+00
			-8.115E-03		2.022E+03	
1	1.000E+00	2.156E-01		4.002E+03		0.000E+00
			-7.997E-03		5.460E+01	
2	2.000E+00	2.076E-01		4.070E+03		0.000E+00
			-7.878E-03		5.466E+01	
3	3.000E+00	1.998E-01		4.137E+03		0.000E+00
			-7.756E-03		5.472E+01	
4	4.000E+00	1.920E-01		4.204E+03		0.000E+00
			-7.632E-03		5.479E+01	
5	5.000E+00	1.844E-01		4.270E+03		0.000E+00
			-7.506E-03		5.485E+01	
6	6.000E+00	1.769E-01		4.337E+03		0.000E+00
			-7.379E-03		5.492E+01	
7	7.000E+00	1.695E-01		4.404E+03		0.000E+00
			-7.249E-03		5.498E+01	
8	8.000E+00	1.622E-01		4.470E+03		0.000E+00
			-7.118E-03		5.504E+01	
9	9.000E+00	1.551E-01		4.536E+03		0.000E+00
			-6.984E-03		5.511E+01	
10	1.000E+01	1.481E-01		4.603E+03		0.000E+00
			-6.849E-03		5.517E+01	
11	1.100E+01	1.413E-01		4.669E+03		0.000E+00
			-6.711E-03		5.524E+01	
12	1.200E+01	1.346E-01		4.734E+03		0.000E+00
			-6.572E-03		5.530E+01	
13	1.300E+01	1.280E-01		4.800E+03		0.000E+00
			-6.431E-03		5.536E+01	
14	1.400E+01	1.216E-01		4.865E+03		0.000E+00
			-6.288E-03		5.543E+01	
15	1.500E+01	1.153E-01		4.931E+03		0.000E+00
			-6.142E-03		5.549E+01	
16	1.600E+01	1.091E-01		4.996E+03		0.000E+00
			-5.995E-03		5.556E+01	
17	1.700E+01	1.031E-01		5.061E+03		0.000E+00
			-5.847E-03		5.562E+01	
18	1.800E+01	9.729E-02		5.126E+03		0.000E+00
			-5.696E-03		5.568E+01	
19	1.900E+01	9.160E-02		5.191E+03		0.000E+00
			-5.543E-03		5.575E+01	
20	2.000E+01	8.605E-02		5.255E+03		0.000E+00
			-5.388E-03		5.581E+01	
21	2.100E+01	8.066E-02		5.319E+03		0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	7.543E-02	-5.232E-03	5.383E+03	5.588E+01	0.000E+00
23	2.300E+01	7.036E-02	-5.073E-03	5.447E+03	5.594E+01	0.000E+00
24	2.400E+01	6.545E-02	-4.913E-03	5.511E+03	5.600E+01	0.000E+00
25	2.500E+01	6.070E-02	-4.751E-03	5.575E+03	5.607E+01	0.000E+00
26	2.600E+01	5.611E-02	-4.587E-03	5.638E+03	5.613E+01	0.000E+00
27	2.700E+01	5.169E-02	-4.421E-03	5.701E+03	5.620E+01	0.000E+00
28	2.800E+01	4.743E-02	-4.253E-03	5.764E+03	5.626E+01	0.000E+00
29	2.900E+01	4.335E-02	-4.083E-03	5.827E+03	5.632E+01	0.000E+00
30	3.000E+01	3.944E-02	-3.912E-03	5.890E+03	5.639E+01	0.000E+00
31	3.100E+01	3.570E-02	-3.739E-03	5.952E+03	5.645E+01	0.000E+00
32	3.200E+01	3.214E-02	-3.563E-03	6.014E+03	5.652E+01	0.000E+00
33	3.300E+01	2.875E-02	-3.386E-03	6.076E+03	5.658E+01	0.000E+00
34	3.400E+01	2.554E-02	-3.208E-03	6.138E+03	5.664E+01	0.000E+00
35	3.500E+01	2.252E-02	-3.027E-03	6.199E+03	5.671E+01	0.000E+00
36	3.600E+01	1.967E-02	-2.845E-03	6.260E+03	5.677E+01	0.000E+00
37	3.700E+01	1.701E-02	-2.660E-03	6.321E+03	5.684E+01	0.000E+00
38	3.800E+01	1.454E-02	-2.474E-03	6.382E+03	5.690E+01	0.000E+00
39	3.900E+01	1.225E-02	-2.286E-03	6.443E+03	5.696E+01	0.000E+00
40	4.000E+01	1.015E-02	-2.097E-03	6.503E+03	5.703E+01	0.000E+00
41	4.100E+01	8.248E-03	-1.906E-03	6.563E+03	5.709E+01	0.000E+00
42	4.200E+01	6.536E-03	-1.712E-03	6.623E+03	5.716E+01	0.000E+00
43	4.300E+01	5.018E-03	-1.517E-03	6.683E+03	5.722E+01	0.000E+00
44	4.400E+01	3.697E-03	-1.321E-03	6.742E+03	5.728E+01	0.000E+00
45	4.500E+01	2.575E-03	-1.122E-03	6.801E+03	5.735E+01	0.000E+00
46	4.600E+01	1.653E-03	-9.222E-04	6.860E+03	5.741E+01	0.000E+00
47	4.700E+01	9.325E-04	-7.203E-04	6.919E+03	5.748E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	4.158E-04	-5.167E-04	6.977E+03	5.754E+01	0.000E+00
49	4.900E+01	1.044E-04	-3.114E-04	7.035E+03	5.760E+01	0.000E+00
50	5.000E+01	0.000E+00	-1.044E-04	3.546E+03	-3.489E+03	-5.770E+01
51	5.100E+01	1.044E-04	1.044E-04	0.000E+00	-3.546E+03	0.000E+00

PROB (CONTD)

12 Live Load Case B, Water Case 1, 0 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.320E-01		0	2.320E-01		999	0.000E+00		999	0.000E+00		999
0	2.237E-01		999	2.237E-01		0	1.968E+03		999	1.968E+03		999
1	2.156E-01		0	2.156E-01		999	4.002E+03		999	4.002E+03		999
2	2.076E-01		999	2.076E-01		0	4.070E+03		999	4.070E+03		999
3	1.998E-01		999	1.998E-01		0	4.137E+03		999	4.137E+03		999
4	1.920E-01		0	1.920E-01		999	4.204E+03		999	4.204E+03		999
5	1.844E-01		0	1.844E-01		999	4.270E+03		999	4.270E+03		999
6	1.769E-01		999	1.769E-01		0	4.337E+03		999	4.337E+03		999
7	1.695E-01		0	1.695E-01		999	4.404E+03		999	4.404E+03		999
8	1.622E-01		999	1.622E-01		0	4.470E+03		999	4.470E+03		999
9	1.551E-01		999	1.551E-01		0	4.536E+03		999	4.536E+03		999
10	1.481E-01		999	1.481E-01		0	4.603E+03		999	4.603E+03		999
11	1.413E-01		999	1.413E-01		0	4.669E+03		999	4.669E+03		999
12	1.346E-01		999	1.346E-01		0	4.734E+03		999	4.734E+03		999
13	1.280E-01		999	1.280E-01		0	4.800E+03		999	4.800E+03		999
14	1.216E-01		0	1.216E-01		999	4.865E+03		999	4.865E+03		999
15	1.153E-01		0	1.153E-01		999	4.931E+03		999	4.931E+03		999
16	1.091E-01		999	1.091E-01		0	4.996E+03		999	4.996E+03		999
17	1.031E-01		999	1.031E-01		0	5.061E+03		999	5.061E+03		999
18	9.729E-02		999	9.729E-02		0	5.126E+03		999	5.126E+03		999
19	9.160E-02		999	9.160E-02		0	5.191E+03		999	5.191E+03		999
20	8.605E-02		0	8.605E-02		999	5.255E+03		999	5.255E+03		999
21	8.066E-02		0	8.066E-02		999	5.319E+03		999	5.319E+03		999
22	7.543E-02		0	7.543E-02		999	5.383E+03		999	5.383E+03		999
23	7.036E-02		999	7.036E-02		0	5.447E+03		999	5.447E+03		999
24	6.545E-02		0	6.545E-02		999	5.511E+03		999	5.511E+03		999
25	6.070E-02		0	6.070E-02		999	5.575E+03		999	5.575E+03		999
26	5.611E-02		0	5.611E-02		999	5.638E+03		999	5.638E+03		999
27	5.169E-02		999	5.169E-02		0	5.701E+03		999	5.701E+03		999
28	4.743E-02		999	4.743E-02		0	5.764E+03		999	5.764E+03		999
29	4.335E-02		0	4.335E-02		999	5.827E+03		999	5.827E+03		999
30	3.944E-02		999	3.944E-02		0	5.890E+03		999	5.890E+03		999
31	3.570E-02		999	3.570E-02		0	5.952E+03		999	5.952E+03		999
32	3.214E-02		0	3.214E-02		999	6.014E+03		999	6.014E+03		999
33	2.875E-02		999	2.875E-02		0	6.076E+03		999	6.076E+03		999
34	2.554E-02		0	2.554E-02		999	6.138E+03		999	6.138E+03		999
35	2.252E-02		0	2.252E-02		999	6.199E+03		999	6.199E+03		999
36	1.967E-02		999	1.967E-02		0	6.260E+03		999	6.260E+03		999
37	1.701E-02		0	1.701E-02		999	6.321E+03		999	6.321E+03		999
38	1.454E-02		999	1.454E-02		0	6.382E+03		999	6.382E+03		999
39	1.225E-02		999	1.225E-02		0	6.443E+03		999	6.443E+03		999
40	1.015E-02		0	1.015E-02		999	6.503E+03		999	6.503E+03		999
41	8.248E-03		999	8.248E-03		0	6.563E+03		999	6.563E+03		999
42	6.536E-03		999	6.536E-03		0	6.623E+03		999	6.623E+03		999
43	5.018E-03		999	5.018E-03		0	6.683E+03		999	6.683E+03		999
44	3.697E-03		0	3.697E-03		999	6.742E+03		999	6.742E+03		999
45	2.575E-03		999	2.575E-03		0	6.801E+03		999	6.801E+03		999
46	1.653E-03		999	1.653E-03		0	6.860E+03		999	6.860E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	9.325E-04		999	9.325E-04		0	6.919E+03		999	6.919E+03		999
48	4.158E-04		0	4.158E-04		999	6.977E+03		999	6.977E+03		999
49	1.044E-04		0	1.044E-04		999	7.035E+03		999	7.035E+03		999
50	0.000E+00		999	0.000E+00		999	3.546E+03		999	3.546E+03		999
51	1.044E-04		0	1.044E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.968E+03 999	1.968E+03 999	0.000E+00 999	0.000E+00 999
0	2.022E+03 999	2.022E+03 999	0.000E+00 999	0.000E+00 999
1	5.460E+01 999	5.460E+01 999	0.000E+00 999	0.000E+00 999
2	5.466E+01 999	5.466E+01 999	0.000E+00 999	0.000E+00 999
3	5.472E+01 999	5.472E+01 999	0.000E+00 999	0.000E+00 999
4	5.479E+01 999	5.479E+01 999	0.000E+00 999	0.000E+00 999
5	5.485E+01 999	5.485E+01 999	0.000E+00 999	0.000E+00 999
6	5.492E+01 999	5.492E+01 999	0.000E+00 999	0.000E+00 999
7	5.498E+01 999	5.498E+01 999	0.000E+00 999	0.000E+00 999
8	5.504E+01 999	5.504E+01 999	0.000E+00 999	0.000E+00 999
9	5.511E+01 999	5.511E+01 999	0.000E+00 999	0.000E+00 999
10	5.517E+01 999	5.517E+01 999	0.000E+00 999	0.000E+00 999
11	5.524E+01 999	5.524E+01 999	0.000E+00 999	0.000E+00 999
12	5.530E+01 999	5.530E+01 999	0.000E+00 999	0.000E+00 999
13	5.536E+01 999	5.536E+01 999	0.000E+00 999	0.000E+00 999
14	5.543E+01 999	5.543E+01 999	0.000E+00 999	0.000E+00 999
15	5.549E+01 999	5.549E+01 999	0.000E+00 999	0.000E+00 999
16	5.556E+01 999	5.556E+01 999	0.000E+00 999	0.000E+00 999
17	5.562E+01 999	5.562E+01 999	0.000E+00 999	0.000E+00 999
18	5.568E+01 999	5.568E+01 999	0.000E+00 999	0.000E+00 999
19	5.575E+01 999	5.575E+01 999	0.000E+00 999	0.000E+00 999
20	5.581E+01 999	5.581E+01 999	0.000E+00 999	0.000E+00 999
21	5.588E+01 999	5.588E+01 999	0.000E+00 999	0.000E+00 999
22	5.594E+01 999	5.594E+01 999	0.000E+00 999	0.000E+00 999
23	5.600E+01 999	5.600E+01 999	0.000E+00 999	0.000E+00 999
24	5.607E+01 999	5.607E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.613E+01 999	5.613E+01 999	0.000E+00 999	0.000E+00 999
27	5.620E+01 999	5.620E+01 999	0.000E+00 999	0.000E+00 999
28	5.626E+01 999	5.626E+01 999	0.000E+00 999	0.000E+00 999
29	5.632E+01 999	5.632E+01 999	0.000E+00 999	0.000E+00 999
30	5.639E+01 999	5.639E+01 999	0.000E+00 999	0.000E+00 999
31	5.645E+01 999	5.645E+01 999	0.000E+00 999	0.000E+00 999
32	5.652E+01 999	5.652E+01 999	0.000E+00 999	0.000E+00 999
33	5.658E+01 999	5.658E+01 999	0.000E+00 999	0.000E+00 999
34	5.664E+01 999	5.664E+01 999	0.000E+00 999	0.000E+00 999
35	5.671E+01 999	5.671E+01 999	0.000E+00 999	0.000E+00 999
36	5.677E+01 999	5.677E+01 999	0.000E+00 999	0.000E+00 999
37	5.684E+01 999	5.684E+01 999	0.000E+00 999	0.000E+00 999
38	5.690E+01 999	5.690E+01 999	0.000E+00 999	0.000E+00 999
39	5.696E+01 999	5.696E+01 999	0.000E+00 999	0.000E+00 999
40	5.703E+01 999	5.703E+01 999	0.000E+00 999	0.000E+00 999
41	5.709E+01 999	5.709E+01 999	0.000E+00 999	0.000E+00 999
42	5.716E+01 999	5.716E+01 999	0.000E+00 999	0.000E+00 999
43	5.722E+01 999	5.722E+01 999	0.000E+00 999	0.000E+00 999
44	5.728E+01 999	5.728E+01 999	0.000E+00 999	0.000E+00 999
45	5.735E+01 999	5.735E+01 999	0.000E+00 999	0.000E+00 999
46	5.741E+01 999	5.741E+01 999	0.000E+00 999	0.000E+00 999
47	5.748E+01 999	5.748E+01 999	0.000E+00 999	0.000E+00 999
48	5.754E+01 999	5.754E+01 999	0.000E+00 999	0.000E+00 999
49	5.760E+01 999	5.760E+01 999	0.000E+00 999	0.000E+00 999
50	-3.489E+03 999	-3.489E+03 999	-5.770E+01 999	-5.770E+01 999
51	-3.546E+03 999	-3.546E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
NONE					

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				



TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0	0
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.500E+01	0.000E+00	4.785E+02	0.000E+00	-1.577E+03
0	50	0	8.496E+06	3.300E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.975E-01		0.000E+00		0.000E+00
			-1.053E-02		2.393E+02	
0	0.000E+00	3.870E-01		2.393E+02		5.239E+00
			-1.047E-02		2.595E+02	
1	1.000E+00	3.765E-01		5.153E+02		0.000E+00
			-1.041E-02		2.029E+01	
2	2.000E+00	3.661E-01		5.520E+02		0.000E+00
			-1.035E-02		2.032E+01	
3	3.000E+00	3.558E-01		5.886E+02		0.000E+00
			-1.028E-02		2.035E+01	
4	4.000E+00	3.455E-01		6.252E+02		0.000E+00
			-1.020E-02		2.039E+01	
5	5.000E+00	3.353E-01		6.617E+02		0.000E+00
			-1.013E-02		2.042E+01	
6	6.000E+00	3.252E-01		6.980E+02		0.000E+00
			-1.004E-02		2.045E+01	
7	7.000E+00	3.151E-01		7.343E+02		0.000E+00
			-9.958E-03		2.049E+01	
8	8.000E+00	3.052E-01		7.705E+02		0.000E+00
			-9.868E-03		2.052E+01	
9	9.000E+00	2.953E-01		8.066E+02		0.000E+00
			-9.773E-03		2.055E+01	
10	1.000E+01	2.855E-01		8.426E+02		0.000E+00
			-9.673E-03		2.059E+01	
11	1.100E+01	2.758E-01		8.784E+02		0.000E+00
			-9.570E-03		2.062E+01	
12	1.200E+01	2.663E-01		9.141E+02		0.000E+00
			-9.462E-03		2.065E+01	
13	1.300E+01	2.568E-01		9.497E+02		0.000E+00
			-9.351E-03		2.068E+01	
14	1.400E+01	2.475E-01		9.851E+02		0.000E+00
			-9.235E-03		2.072E+01	
15	1.500E+01	2.382E-01		1.020E+03		0.000E+00
			-9.115E-03		2.075E+01	
16	1.600E+01	2.291E-01		1.056E+03		0.000E+00
			-8.990E-03		2.078E+01	
17	1.700E+01	2.201E-01		1.090E+03		0.000E+00
			-8.862E-03		2.082E+01	
18	1.800E+01	2.113E-01		1.125E+03		0.000E+00
			-8.730E-03		2.085E+01	
19	1.900E+01	2.025E-01		1.160E+03		0.000E+00
			-8.593E-03		2.088E+01	
20	2.000E+01	1.939E-01		1.194E+03		0.000E+00
			-8.452E-03		2.092E+01	
21	2.100E+01	1.855E-01		1.229E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.772E-01	-8.308E-03	1.263E+03	2.095E+01	0.000E+00
23	2.300E+01	1.690E-01	-8.159E-03	1.296E+03	2.098E+01	0.000E+00
24	2.400E+01	1.610E-01	-8.007E-03	1.330E+03	2.101E+01	0.000E+00
25	2.500E+01	1.532E-01	-7.850E-03	1.364E+03	2.105E+01	0.000E+00
26	2.600E+01	1.455E-01	-7.690E-03	1.397E+03	2.108E+01	0.000E+00
27	2.700E+01	1.379E-01	-7.525E-03	1.430E+03	2.111E+01	0.000E+00
28	2.800E+01	1.306E-01	-7.357E-03	1.462E+03	2.115E+01	0.000E+00
29	2.900E+01	1.234E-01	-7.185E-03	1.495E+03	2.118E+01	0.000E+00
30	3.000E+01	1.164E-01	-7.009E-03	1.527E+03	2.121E+01	0.000E+00
31	3.100E+01	1.096E-01	-6.829E-03	1.559E+03	2.125E+01	0.000E+00
32	3.200E+01	1.029E-01	-6.646E-03	1.591E+03	2.128E+01	0.000E+00
33	3.300E+01	9.646E-02	-6.458E-03	1.622E+03	2.131E+01	0.000E+00
34	3.400E+01	9.019E-02	-6.267E-03	1.654E+03	2.134E+01	0.000E+00
35	3.500E+01	8.412E-02	-6.073E-03	1.685E+03	2.138E+01	0.000E+00
36	3.600E+01	7.824E-02	-5.874E-03	1.715E+03	2.141E+01	0.000E+00
37	3.700E+01	7.257E-02	-5.673E-03	1.746E+03	2.144E+01	0.000E+00
38	3.800E+01	6.710E-02	-5.467E-03	1.776E+03	2.148E+01	0.000E+00
39	3.900E+01	6.185E-02	-5.258E-03	1.806E+03	2.151E+01	0.000E+00
40	4.000E+01	5.680E-02	-5.046E-03	1.835E+03	2.154E+01	0.000E+00
41	4.100E+01	5.197E-02	-4.830E-03	1.864E+03	2.158E+01	0.000E+00
42	4.200E+01	4.736E-02	-4.610E-03	1.893E+03	2.161E+01	0.000E+00
43	4.300E+01	4.297E-02	-4.387E-03	1.922E+03	2.164E+01	0.000E+00
44	4.400E+01	3.881E-02	-4.161E-03	1.950E+03	2.167E+01	0.000E+00
45	4.500E+01	3.488E-02	-3.932E-03	1.978E+03	2.171E+01	0.000E+00
46	4.600E+01	3.118E-02	-3.699E-03	2.005E+03	2.174E+01	0.000E+00
47	4.700E+01	2.772E-02	-3.463E-03	2.033E+03	2.177E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.450E-02	-3.223E-03	2.060E+03	2.181E+01	0.000E+00
49	4.900E+01	2.152E-02	-2.981E-03	2.086E+03	2.184E+01	0.000E+00
50	5.000E+01	1.878E-02	-2.735E-03	2.112E+03	2.187E+01	0.000E+00
51	5.100E+01	1.625E-02	-2.532E-03	2.138E+03	2.189E+01	0.000E+00
52	5.200E+01	1.389E-02	-2.357E-03	2.164E+03	2.189E+01	0.000E+00
53	5.300E+01	1.171E-02	-2.180E-03	2.189E+03	2.189E+01	0.000E+00
54	5.400E+01	9.712E-03	-2.000E-03	2.214E+03	2.189E+01	0.000E+00
55	5.500E+01	7.893E-03	-1.819E-03	2.239E+03	2.189E+01	0.000E+00
56	5.600E+01	6.257E-03	-1.636E-03	2.263E+03	2.189E+01	0.000E+00
57	5.700E+01	4.806E-03	-1.451E-03	2.288E+03	2.189E+01	0.000E+00
58	5.800E+01	3.542E-03	-1.264E-03	2.311E+03	2.189E+01	0.000E+00
59	5.900E+01	2.468E-03	-1.074E-03	2.335E+03	2.189E+01	0.000E+00
60	6.000E+01	1.585E-03	-8.833E-04	2.358E+03	2.189E+01	0.000E+00
61	6.100E+01	8.944E-04	-6.903E-04	2.381E+03	2.189E+01	0.000E+00
62	6.200E+01	3.989E-04	-4.955E-04	2.404E+03	2.189E+01	0.000E+00
63	6.300E+01	1.002E-04	-2.987E-04	2.426E+03	2.189E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.002E-04	1.224E+03	-1.202E+03	-2.189E+01
65	6.500E+01	1.002E-04	1.002E-04	0.000E+00	-1.224E+03	0.000E+00

PROB (CONTD)

13 Live Load Case B, Water Case 1, 15 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.975E-01		0	3.975E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	2.393E+02		999	2.393E+02		999
1	3.765E-01		999	3.765E-01		0	5.153E+02		999	5.153E+02		999
2	3.661E-01		0	3.661E-01		999	5.520E+02		999	5.520E+02		999
3	3.558E-01		999	3.558E-01		0	5.886E+02		999	5.886E+02		999
4	3.455E-01		999	3.455E-01		0	6.252E+02		999	6.252E+02		999
5	3.353E-01		0	3.353E-01		999	6.617E+02		999	6.617E+02		999
6	3.252E-01		999	3.252E-01		0	6.980E+02		999	6.980E+02		999
7	3.151E-01		999	3.151E-01		0	7.343E+02		999	7.343E+02		999
8	3.052E-01		999	3.052E-01		0	7.705E+02		999	7.705E+02		999
9	2.953E-01		0	2.953E-01		999	8.066E+02		999	8.066E+02		999
10	2.855E-01		0	2.855E-01		999	8.426E+02		999	8.426E+02		999
11	2.758E-01		0	2.758E-01		999	8.784E+02		999	8.784E+02		999
12	2.663E-01		999	2.663E-01		0	9.141E+02		999	9.141E+02		999
13	2.568E-01		999	2.568E-01		0	9.497E+02		999	9.497E+02		999
14	2.475E-01		999	2.475E-01		0	9.851E+02		999	9.851E+02		999
15	2.382E-01		999	2.382E-01		0	1.020E+03		999	1.020E+03		999
16	2.291E-01		0	2.291E-01		999	1.056E+03		999	1.056E+03		999
17	2.201E-01		999	2.201E-01		0	1.090E+03		999	1.090E+03		999
18	2.113E-01		999	2.113E-01		0	1.125E+03		999	1.125E+03		999
19	2.025E-01		0	2.025E-01		999	1.160E+03		999	1.160E+03		999
20	1.939E-01		999	1.939E-01		0	1.194E+03		999	1.194E+03		999
21	1.855E-01		999	1.855E-01		0	1.229E+03		999	1.229E+03		999
22	1.772E-01		0	1.772E-01		999	1.263E+03		999	1.263E+03		999
23	1.690E-01		0	1.690E-01		999	1.296E+03		999	1.296E+03		999
24	1.610E-01		0	1.610E-01		999	1.330E+03		999	1.330E+03		999
25	1.532E-01		999	1.532E-01		0	1.364E+03		999	1.364E+03		999
26	1.455E-01		0	1.455E-01		999	1.397E+03		999	1.397E+03		999
27	1.379E-01		0	1.379E-01		999	1.430E+03		999	1.430E+03		999
28	1.306E-01		0	1.306E-01		999	1.462E+03		999	1.462E+03		999
29	1.234E-01		0	1.234E-01		999	1.495E+03		999	1.495E+03		999
30	1.164E-01		0	1.164E-01		999	1.527E+03		999	1.527E+03		999
31	1.096E-01		999	1.096E-01		0	1.559E+03		999	1.559E+03		999
32	1.029E-01		0	1.029E-01		999	1.591E+03		999	1.591E+03		999
33	9.646E-02		999	9.646E-02		0	1.622E+03		999	1.622E+03		999
34	9.019E-02		999	9.019E-02		0	1.654E+03		999	1.654E+03		999
35	8.412E-02		999	8.412E-02		0	1.685E+03		999	1.685E+03		999
36	7.824E-02		0	7.824E-02		999	1.715E+03		999	1.715E+03		999
37	7.257E-02		0	7.257E-02		999	1.746E+03		999	1.746E+03		999
38	6.710E-02		0	6.710E-02		999	1.776E+03		999	1.776E+03		999
39	6.185E-02		999	6.185E-02		0	1.806E+03		999	1.806E+03		999
40	5.680E-02		0	5.680E-02		999	1.835E+03		999	1.835E+03		999
41	5.197E-02		999	5.197E-02		0	1.864E+03		999	1.864E+03		999
42	4.736E-02		0	4.736E-02		999	1.893E+03		999	1.893E+03		999
43	4.297E-02		0	4.297E-02		999	1.922E+03		999	1.922E+03		999
44	3.881E-02		0	3.881E-02		999	1.950E+03		999	1.950E+03		999
45	3.488E-02		0	3.488E-02		999	1.978E+03		999	1.978E+03		999
46	3.118E-02		0	3.118E-02		999	2.005E+03		999	2.005E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.772E-02		0	2.772E-02		999	2.033E+03		999	2.033E+03		999
48	2.450E-02		999	2.450E-02		0	2.060E+03		999	2.060E+03		999
49	2.152E-02		999	2.152E-02		0	2.086E+03		999	2.086E+03		999
50	1.878E-02		0	1.878E-02		999	2.112E+03		999	2.112E+03		999
51	1.625E-02		0	1.625E-02		999	2.138E+03		999	2.138E+03		999
52	1.389E-02		999	1.389E-02		0	2.164E+03		999	2.164E+03		999
53	1.171E-02		0	1.171E-02		999	2.189E+03		999	2.189E+03		999
54	9.712E-03		0	9.712E-03		999	2.214E+03		999	2.214E+03		999
55	7.893E-03		0	7.893E-03		999	2.239E+03		999	2.239E+03		999
56	6.257E-03		0	6.257E-03		999	2.263E+03		999	2.263E+03		999
57	4.806E-03		0	4.806E-03		999	2.288E+03		999	2.288E+03		999
58	3.542E-03		999	3.542E-03		0	2.311E+03		999	2.311E+03		999
59	2.468E-03		0	2.468E-03		999	2.335E+03		999	2.335E+03		999
60	1.585E-03		0	1.585E-03		999	2.358E+03		999	2.358E+03		999
61	8.944E-04		0	8.944E-04		999	2.381E+03		999	2.381E+03		999
62	3.989E-04		999	3.989E-04		0	2.404E+03		999	2.404E+03		999
63	1.002E-04		999	1.002E-04		0	2.426E+03		999	2.426E+03		999
64	0.000E+00		999	0.000E+00		999	1.224E+03		999	1.224E+03		999
65	1.002E-04		999	1.002E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	2.393E+02 999	2.393E+02 999	0.000E+00 999	0.000E+00 999
0	2.595E+02 999	2.595E+02 999	5.239E+00 999	5.239E+00 999
1	2.029E+01 999	2.029E+01 999	0.000E+00 999	0.000E+00 999
2	2.032E+01 999	2.032E+01 999	0.000E+00 999	0.000E+00 999
3	2.035E+01 999	2.035E+01 999	0.000E+00 999	0.000E+00 999
4	2.039E+01 999	2.039E+01 999	0.000E+00 999	0.000E+00 999
5	2.042E+01 999	2.042E+01 999	0.000E+00 999	0.000E+00 999
6	2.045E+01 999	2.045E+01 999	0.000E+00 999	0.000E+00 999
7	2.049E+01 999	2.049E+01 999	0.000E+00 999	0.000E+00 999
8	2.052E+01 999	2.052E+01 999	0.000E+00 999	0.000E+00 999
9	2.055E+01 999	2.055E+01 999	0.000E+00 999	0.000E+00 999
10	2.059E+01 999	2.059E+01 999	0.000E+00 999	0.000E+00 999
11	2.062E+01 999	2.062E+01 999	0.000E+00 999	0.000E+00 999
12	2.065E+01 999	2.065E+01 999	0.000E+00 999	0.000E+00 999
13	2.068E+01 999	2.068E+01 999	0.000E+00 999	0.000E+00 999
14	2.072E+01 999	2.072E+01 999	0.000E+00 999	0.000E+00 999
15	2.075E+01 999	2.075E+01 999	0.000E+00 999	0.000E+00 999
16	2.078E+01 999	2.078E+01 999	0.000E+00 999	0.000E+00 999
17	2.082E+01 999	2.082E+01 999	0.000E+00 999	0.000E+00 999
18	2.085E+01 999	2.085E+01 999	0.000E+00 999	0.000E+00 999
19	2.088E+01 999	2.088E+01 999	0.000E+00 999	0.000E+00 999
20	2.092E+01 999	2.092E+01 999	0.000E+00 999	0.000E+00 999
21	2.095E+01 999	2.095E+01 999	0.000E+00 999	0.000E+00 999
22	2.098E+01 999	2.098E+01 999	0.000E+00 999	0.000E+00 999
23	2.101E+01 999	2.101E+01 999	0.000E+00 999	0.000E+00 999
24	2.105E+01 999	2.105E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.108E+01 999	2.108E+01 999	0.000E+00 999	0.000E+00 999
27	2.111E+01 999	2.111E+01 999	0.000E+00 999	0.000E+00 999
28	2.115E+01 999	2.115E+01 999	0.000E+00 999	0.000E+00 999
29	2.118E+01 999	2.118E+01 999	0.000E+00 999	0.000E+00 999
30	2.121E+01 999	2.121E+01 999	0.000E+00 999	0.000E+00 999
31	2.125E+01 999	2.125E+01 999	0.000E+00 999	0.000E+00 999
32	2.128E+01 999	2.128E+01 999	0.000E+00 999	0.000E+00 999
33	2.131E+01 999	2.131E+01 999	0.000E+00 999	0.000E+00 999
34	2.134E+01 999	2.134E+01 999	0.000E+00 999	0.000E+00 999
35	2.138E+01 999	2.138E+01 999	0.000E+00 999	0.000E+00 999
36	2.141E+01 999	2.141E+01 999	0.000E+00 999	0.000E+00 999
37	2.144E+01 999	2.144E+01 999	0.000E+00 999	0.000E+00 999
38	2.148E+01 999	2.148E+01 999	0.000E+00 999	0.000E+00 999
39	2.151E+01 999	2.151E+01 999	0.000E+00 999	0.000E+00 999
40	2.154E+01 999	2.154E+01 999	0.000E+00 999	0.000E+00 999
41	2.158E+01 999	2.158E+01 999	0.000E+00 999	0.000E+00 999
42	2.161E+01 999	2.161E+01 999	0.000E+00 999	0.000E+00 999
43	2.164E+01 999	2.164E+01 999	0.000E+00 999	0.000E+00 999
44	2.167E+01 999	2.167E+01 999	0.000E+00 999	0.000E+00 999
45	2.171E+01 999	2.171E+01 999	0.000E+00 999	0.000E+00 999
46	2.174E+01 999	2.174E+01 999	0.000E+00 999	0.000E+00 999
47	2.177E+01 999	2.177E+01 999	0.000E+00 999	0.000E+00 999
48	2.181E+01 999	2.181E+01 999	0.000E+00 999	0.000E+00 999
49	2.184E+01 999	2.184E+01 999	0.000E+00 999	0.000E+00 999
50	2.187E+01 999	2.187E+01 999	0.000E+00 999	0.000E+00 999
51	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
53	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
54	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
55	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
56	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
57	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
58	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
59	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
60	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
61	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
62	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
63	2.189E+01 999	2.189E+01 999	0.000E+00 999	0.000E+00 999
64	-1.202E+03 999	-1.202E+03 999	-2.189E+01 999	-2.189E+01 999
65	-1.224E+03 999	-1.224E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEF	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	5.120E+01	0.000E+00	3.903E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	6.200E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM TO CONTD QM  
  
NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 14        Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.262E-01		0.000E+00		0.000E+00
			-8.052E-03		1.951E+03	
0	0.000E+00	2.182E-01		1.951E+03		0.000E+00
			-7.937E-03		2.002E+03	
1	1.000E+00	2.103E-01		3.966E+03		0.000E+00
			-7.820E-03		5.129E+01	
2	2.000E+00	2.024E-01		4.030E+03		0.000E+00
			-7.702E-03		5.136E+01	
3	3.000E+00	1.947E-01		4.093E+03		0.000E+00
			-7.581E-03		5.142E+01	
4	4.000E+00	1.871E-01		4.157E+03		0.000E+00
			-7.459E-03		5.148E+01	
5	5.000E+00	1.797E-01		4.220E+03		0.000E+00
			-7.335E-03		5.154E+01	
6	6.000E+00	1.724E-01		4.283E+03		0.000E+00
			-7.209E-03		5.160E+01	
7	7.000E+00	1.651E-01		4.346E+03		0.000E+00
			-7.081E-03		5.166E+01	
8	8.000E+00	1.581E-01		4.409E+03		0.000E+00
			-6.951E-03		5.173E+01	
9	9.000E+00	1.511E-01		4.472E+03		0.000E+00
			-6.819E-03		5.179E+01	
10	1.000E+01	1.443E-01		4.534E+03		0.000E+00
			-6.686E-03		5.185E+01	
11	1.100E+01	1.376E-01		4.597E+03		0.000E+00
			-6.551E-03		5.191E+01	
12	1.200E+01	1.311E-01		4.659E+03		0.000E+00
			-6.413E-03		5.198E+01	
13	1.300E+01	1.246E-01		4.721E+03		0.000E+00
			-6.275E-03		5.204E+01	
14	1.400E+01	1.184E-01		4.783E+03		0.000E+00
			-6.134E-03		5.210E+01	
15	1.500E+01	1.122E-01		4.845E+03		0.000E+00
			-5.991E-03		5.216E+01	
16	1.600E+01	1.062E-01		4.906E+03		0.000E+00
			-5.847E-03		5.222E+01	
17	1.700E+01	1.004E-01		4.968E+03		0.000E+00
			-5.701E-03		5.229E+01	
18	1.800E+01	9.470E-02		5.029E+03		0.000E+00
			-5.553E-03		5.235E+01	
19	1.900E+01	8.915E-02		5.090E+03		0.000E+00
			-5.403E-03		5.241E+01	
20	2.000E+01	8.374E-02		5.151E+03		0.000E+00
			-5.251E-03		5.247E+01	
21	2.100E+01	7.849E-02		5.212E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	7.339E-02	-5.098E-03	5.272E+03	5.253E+01	0.000E+00
23	2.300E+01	6.845E-02	-4.943E-03	5.333E+03	5.259E+01	0.000E+00
24	2.400E+01	6.366E-02	-4.786E-03	5.393E+03	5.266E+01	0.000E+00
25	2.500E+01	5.904E-02	-4.627E-03	5.453E+03	5.272E+01	0.000E+00
26	2.600E+01	5.457E-02	-4.467E-03	5.513E+03	5.278E+01	0.000E+00
27	2.700E+01	5.027E-02	-4.304E-03	5.572E+03	5.284E+01	0.000E+00
28	2.800E+01	4.613E-02	-4.140E-03	5.572E+03	5.290E+01	0.000E+00
29	2.900E+01	4.215E-02	-3.975E-03	5.632E+03	5.297E+01	0.000E+00
30	2.900E+01	4.215E-02	-3.807E-03	5.691E+03	5.303E+01	0.000E+00
31	3.000E+01	3.834E-02	-3.638E-03	5.750E+03	5.309E+01	0.000E+00
32	3.100E+01	3.471E-02	-3.467E-03	5.809E+03	5.315E+01	0.000E+00
33	3.200E+01	3.124E-02	-3.294E-03	5.867E+03	5.322E+01	0.000E+00
34	3.300E+01	2.795E-02	-3.120E-03	5.926E+03	5.328E+01	0.000E+00
35	3.400E+01	2.483E-02	-2.944E-03	5.984E+03	5.334E+01	0.000E+00
36	3.500E+01	2.188E-02	-2.766E-03	6.042E+03	5.340E+01	0.000E+00
37	3.600E+01	1.912E-02	-2.587E-03	6.100E+03	5.346E+01	0.000E+00
38	3.700E+01	1.653E-02	-2.405E-03	6.157E+03	5.353E+01	0.000E+00
39	3.800E+01	1.412E-02	-2.222E-03	6.215E+03	5.359E+01	0.000E+00
40	3.900E+01	1.190E-02	-2.038E-03	6.272E+03	5.365E+01	0.000E+00
41	4.000E+01	9.863E-03	-1.852E-03	6.329E+03	5.371E+01	0.000E+00
42	4.100E+01	8.011E-03	-1.664E-03	6.385E+03	5.377E+01	0.000E+00
43	4.200E+01	6.347E-03	-1.474E-03	6.442E+03	5.383E+01	0.000E+00
44	4.300E+01	4.873E-03	-1.283E-03	6.498E+03	5.390E+01	0.000E+00
45	4.400E+01	3.590E-03	-1.090E-03	6.554E+03	5.396E+01	0.000E+00
46	4.500E+01	2.500E-03	-8.956E-04	6.609E+03	5.402E+01	0.000E+00
47	4.600E+01	1.605E-03	-6.994E-04	6.665E+03	5.408E+01	0.000E+00
48	4.700E+01	9.052E-04		6.720E+03		0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	4.036E-04	-5.017E-04	6.775E+03	5.415E+01	0.000E+00
49	4.900E+01	1.013E-04	-3.023E-04	6.830E+03	5.421E+01	0.000E+00
50	5.000E+01	0.000E+00	-1.013E-04	3.442E+03	-3.388E+03	-5.430E+01
51	5.100E+01	1.013E-04	1.013E-04	0.000E+00	-3.442E+03	0.000E+00

PROB (CONTD)

14 Live Load Case B, Water Case 1, 15 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.262E-01	999		2.262E-01	0		0.000E+00	999		0.000E+00	999	
0	2.182E-01	999		2.182E-01	0		1.951E+03	999		1.951E+03	999	
1	2.103E-01	999		2.103E-01	0		3.966E+03	999		3.966E+03	999	
2	2.024E-01	0		2.024E-01	999		4.030E+03	999		4.030E+03	999	
3	1.947E-01	0		1.947E-01	999		4.093E+03	999		4.093E+03	999	
4	1.871E-01	999		1.871E-01	0		4.157E+03	999		4.157E+03	999	
5	1.797E-01	0		1.797E-01	999		4.220E+03	999		4.220E+03	999	
6	1.724E-01	0		1.724E-01	999		4.283E+03	999		4.283E+03	999	
7	1.651E-01	0		1.651E-01	999		4.346E+03	999		4.346E+03	999	
8	1.581E-01	0		1.581E-01	999		4.409E+03	999		4.409E+03	999	
9	1.511E-01	999		1.511E-01	0		4.472E+03	999		4.472E+03	999	
10	1.443E-01	0		1.443E-01	999		4.534E+03	999		4.534E+03	999	
11	1.376E-01	999		1.376E-01	0		4.597E+03	999		4.597E+03	999	
12	1.311E-01	999		1.311E-01	0		4.659E+03	999		4.659E+03	999	
13	1.246E-01	0		1.246E-01	999		4.721E+03	999		4.721E+03	999	
14	1.184E-01	999		1.184E-01	0		4.783E+03	999		4.783E+03	999	
15	1.122E-01	0		1.122E-01	999		4.845E+03	999		4.845E+03	999	
16	1.062E-01	999		1.062E-01	0		4.906E+03	999		4.906E+03	999	
17	1.004E-01	0		1.004E-01	999		4.968E+03	999		4.968E+03	999	
18	9.470E-02	0		9.470E-02	999		5.029E+03	999		5.029E+03	999	
19	8.915E-02	999		8.915E-02	0		5.090E+03	999		5.090E+03	999	
20	8.374E-02	0		8.374E-02	999		5.151E+03	999		5.151E+03	999	
21	7.849E-02	999		7.849E-02	0		5.212E+03	999		5.212E+03	999	
22	7.339E-02	0		7.339E-02	999		5.272E+03	999		5.272E+03	999	
23	6.845E-02	0		6.845E-02	999		5.333E+03	999		5.333E+03	999	
24	6.366E-02	999		6.366E-02	0		5.393E+03	999		5.393E+03	999	
25	5.904E-02	0		5.904E-02	999		5.453E+03	999		5.453E+03	999	
26	5.457E-02	999		5.457E-02	0		5.513E+03	999		5.513E+03	999	
27	5.027E-02	999		5.027E-02	0		5.572E+03	999		5.572E+03	999	
28	4.613E-02	0		4.613E-02	999		5.632E+03	999		5.632E+03	999	
29	4.215E-02	999		4.215E-02	0		5.691E+03	999		5.691E+03	999	
30	3.834E-02	999		3.834E-02	0		5.750E+03	999		5.750E+03	999	
31	3.471E-02	0		3.471E-02	999		5.809E+03	999		5.809E+03	999	
32	3.124E-02	999		3.124E-02	0		5.867E+03	999		5.867E+03	999	
33	2.795E-02	999		2.795E-02	0		5.926E+03	999		5.926E+03	999	
34	2.483E-02	0		2.483E-02	999		5.984E+03	999		5.984E+03	999	
35	2.188E-02	0		2.188E-02	999		6.042E+03	999		6.042E+03	999	
36	1.912E-02	999		1.912E-02	0		6.100E+03	999		6.100E+03	999	
37	1.653E-02	0		1.653E-02	999		6.157E+03	999		6.157E+03	999	
38	1.412E-02	0		1.412E-02	999		6.215E+03	999		6.215E+03	999	
39	1.190E-02	999		1.190E-02	0		6.272E+03	999		6.272E+03	999	
40	9.863E-03	999		9.863E-03	0		6.329E+03	999		6.329E+03	999	
41	8.011E-03	0		8.011E-03	999		6.385E+03	999		6.385E+03	999	
42	6.347E-03	999		6.347E-03	0		6.442E+03	999		6.442E+03	999	
43	4.873E-03	999		4.873E-03	0		6.498E+03	999		6.498E+03	999	
44	3.590E-03	0		3.590E-03	999		6.554E+03	999		6.554E+03	999	
45	2.500E-03	0		2.500E-03	999		6.609E+03	999		6.609E+03	999	
46	1.605E-03	999		1.605E-03	0		6.665E+03	999		6.665E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	9.052E-04		0	9.052E-04		999	6.720E+03		999	6.720E+03		999
48	4.036E-04		999	4.036E-04		0	6.775E+03		999	6.775E+03		999
49	1.013E-04		999	1.013E-04		0	6.830E+03		999	6.830E+03		999
50	0.000E+00		999	0.000E+00		999	3.442E+03		999	3.442E+03		999
51	1.013E-04		999	1.013E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.951E+03 999	1.951E+03 999	0.000E+00 999	0.000E+00 999
0	2.002E+03 999	2.002E+03 999	0.000E+00 999	0.000E+00 999
1	5.129E+01 999	5.129E+01 999	0.000E+00 999	0.000E+00 999
2	5.136E+01 999	5.136E+01 999	0.000E+00 999	0.000E+00 999
3	5.142E+01 999	5.142E+01 999	0.000E+00 999	0.000E+00 999
4	5.148E+01 999	5.148E+01 999	0.000E+00 999	0.000E+00 999
5	5.154E+01 999	5.154E+01 999	0.000E+00 999	0.000E+00 999
6	5.160E+01 999	5.160E+01 999	0.000E+00 999	0.000E+00 999
7	5.166E+01 999	5.166E+01 999	0.000E+00 999	0.000E+00 999
8	5.173E+01 999	5.173E+01 999	0.000E+00 999	0.000E+00 999
9	5.179E+01 999	5.179E+01 999	0.000E+00 999	0.000E+00 999
10	5.185E+01 999	5.185E+01 999	0.000E+00 999	0.000E+00 999
11	5.191E+01 999	5.191E+01 999	0.000E+00 999	0.000E+00 999
12	5.198E+01 999	5.198E+01 999	0.000E+00 999	0.000E+00 999
13	5.204E+01 999	5.204E+01 999	0.000E+00 999	0.000E+00 999
14	5.210E+01 999	5.210E+01 999	0.000E+00 999	0.000E+00 999
15	5.216E+01 999	5.216E+01 999	0.000E+00 999	0.000E+00 999
16	5.222E+01 999	5.222E+01 999	0.000E+00 999	0.000E+00 999
17	5.229E+01 999	5.229E+01 999	0.000E+00 999	0.000E+00 999
18	5.235E+01 999	5.235E+01 999	0.000E+00 999	0.000E+00 999
19	5.241E+01 999	5.241E+01 999	0.000E+00 999	0.000E+00 999
20	5.247E+01 999	5.247E+01 999	0.000E+00 999	0.000E+00 999
21	5.253E+01 999	5.253E+01 999	0.000E+00 999	0.000E+00 999
22	5.259E+01 999	5.259E+01 999	0.000E+00 999	0.000E+00 999
23	5.266E+01 999	5.266E+01 999	0.000E+00 999	0.000E+00 999
24	5.272E+01 999	5.272E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.278E+01 999	5.278E+01 999	0.000E+00 999	0.000E+00 999
27	5.284E+01 999	5.284E+01 999	0.000E+00 999	0.000E+00 999
28	5.290E+01 999	5.290E+01 999	0.000E+00 999	0.000E+00 999
29	5.297E+01 999	5.297E+01 999	0.000E+00 999	0.000E+00 999
30	5.303E+01 999	5.303E+01 999	0.000E+00 999	0.000E+00 999
31	5.309E+01 999	5.309E+01 999	0.000E+00 999	0.000E+00 999
32	5.315E+01 999	5.315E+01 999	0.000E+00 999	0.000E+00 999
33	5.322E+01 999	5.322E+01 999	0.000E+00 999	0.000E+00 999
34	5.328E+01 999	5.328E+01 999	0.000E+00 999	0.000E+00 999
35	5.334E+01 999	5.334E+01 999	0.000E+00 999	0.000E+00 999
36	5.340E+01 999	5.340E+01 999	0.000E+00 999	0.000E+00 999
37	5.346E+01 999	5.346E+01 999	0.000E+00 999	0.000E+00 999
38	5.353E+01 999	5.353E+01 999	0.000E+00 999	0.000E+00 999
39	5.359E+01 999	5.359E+01 999	0.000E+00 999	0.000E+00 999
40	5.365E+01 999	5.365E+01 999	0.000E+00 999	0.000E+00 999
41	5.371E+01 999	5.371E+01 999	0.000E+00 999	0.000E+00 999
42	5.377E+01 999	5.377E+01 999	0.000E+00 999	0.000E+00 999
43	5.383E+01 999	5.383E+01 999	0.000E+00 999	0.000E+00 999
44	5.390E+01 999	5.390E+01 999	0.000E+00 999	0.000E+00 999
45	5.396E+01 999	5.396E+01 999	0.000E+00 999	0.000E+00 999
46	5.402E+01 999	5.402E+01 999	0.000E+00 999	0.000E+00 999
47	5.408E+01 999	5.408E+01 999	0.000E+00 999	0.000E+00 999
48	5.415E+01 999	5.415E+01 999	0.000E+00 999	0.000E+00 999
49	5.421E+01 999	5.421E+01 999	0.000E+00 999	0.000E+00 999
50	-3.388E+03 999	-3.388E+03 999	-5.430E+01 999	-5.430E+01 999
51	-3.442E+03 999	-3.442E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE



PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
15 Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0	0
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	1.870E+01	0.000E+00	5.115E+02	0.000E+00	-1.577E+03
0	50	0	8.496E+06	6.400E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 15            Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.976E-01		0.000E+00		0.000E+00
			-1.057E-02		2.558E+02	
0	0.000E+00	3.870E-01		2.558E+02		1.569E-02
			-1.051E-02		2.745E+02	
1	1.000E+00	3.765E-01		5.468E+02		0.000E+00
			-1.045E-02		1.881E+01	
2	2.000E+00	3.660E-01		5.821E+02		0.000E+00
			-1.038E-02		1.888E+01	
3	3.000E+00	3.557E-01		6.174E+02		0.000E+00
			-1.031E-02		1.894E+01	
4	4.000E+00	3.453E-01		6.526E+02		0.000E+00
			-1.023E-02		1.900E+01	
5	5.000E+00	3.351E-01		6.877E+02		0.000E+00
			-1.015E-02		1.907E+01	
6	6.000E+00	3.250E-01		7.228E+02		0.000E+00
			-1.007E-02		1.913E+01	
7	7.000E+00	3.149E-01		7.578E+02		0.000E+00
			-9.977E-03		1.920E+01	
8	8.000E+00	3.049E-01		7.927E+02		0.000E+00
			-9.883E-03		1.926E+01	
9	9.000E+00	2.950E-01		8.275E+02		0.000E+00
			-9.786E-03		1.932E+01	
10	1.000E+01	2.853E-01		8.623E+02		0.000E+00
			-9.685E-03		1.939E+01	
11	1.100E+01	2.756E-01		8.970E+02		0.000E+00
			-9.579E-03		1.945E+01	
12	1.200E+01	2.660E-01		9.315E+02		0.000E+00
			-9.469E-03		1.952E+01	
13	1.300E+01	2.565E-01		9.660E+02		0.000E+00
			-9.356E-03		1.958E+01	
14	1.400E+01	2.472E-01		1.000E+03		0.000E+00
			-9.238E-03		1.964E+01	
15	1.500E+01	2.379E-01		1.034E+03		0.000E+00
			-9.116E-03		1.971E+01	
16	1.600E+01	2.288E-01		1.069E+03		0.000E+00
			-8.990E-03		1.977E+01	
17	1.700E+01	2.198E-01		1.103E+03		0.000E+00
			-8.861E-03		1.984E+01	
18	1.800E+01	2.110E-01		1.136E+03		0.000E+00
			-8.727E-03		1.990E+01	
19	1.900E+01	2.022E-01		1.170E+03		0.000E+00
			-8.589E-03		1.996E+01	
20	2.000E+01	1.936E-01		1.204E+03		0.000E+00
			-8.447E-03		2.003E+01	
21	2.100E+01	1.852E-01		1.237E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.769E-01	-8.302E-03	1.270E+03	2.009E+01	0.000E+00
23	2.300E+01	1.687E-01	-8.152E-03	1.303E+03	2.016E+01	0.000E+00
24	2.400E+01	1.607E-01	-7.999E-03	1.336E+03	2.022E+01	0.000E+00
25	2.500E+01	1.529E-01	-7.842E-03	1.369E+03	2.028E+01	0.000E+00
26	2.600E+01	1.452E-01	-7.681E-03	1.401E+03	2.035E+01	0.000E+00
27	2.700E+01	1.377E-01	-7.516E-03	1.433E+03	2.041E+01	0.000E+00
28	2.800E+01	1.304E-01	-7.347E-03	1.465E+03	2.048E+01	0.000E+00
29	2.900E+01	1.232E-01	-7.175E-03	1.497E+03	2.054E+01	0.000E+00
30	3.000E+01	1.162E-01	-6.998E-03	1.529E+03	2.060E+01	0.000E+00
31	3.100E+01	1.094E-01	-6.819E-03	1.560E+03	2.067E+01	0.000E+00
32	3.200E+01	1.027E-01	-6.635E-03	1.591E+03	2.073E+01	0.000E+00
33	3.300E+01	9.628E-02	-6.448E-03	1.622E+03	2.080E+01	0.000E+00
34	3.400E+01	9.002E-02	-6.257E-03	1.653E+03	2.086E+01	0.000E+00
35	3.500E+01	8.396E-02	-6.062E-03	1.684E+03	2.092E+01	0.000E+00
36	3.600E+01	7.810E-02	-5.864E-03	1.714E+03	2.099E+01	0.000E+00
37	3.700E+01	7.244E-02	-5.662E-03	1.744E+03	2.105E+01	0.000E+00
38	3.800E+01	6.698E-02	-5.457E-03	1.774E+03	2.112E+01	0.000E+00
39	3.900E+01	6.173E-02	-5.248E-03	1.774E+03	2.118E+01	0.000E+00
40	4.000E+01	5.669E-02	-5.036E-03	1.803E+03	2.124E+01	0.000E+00
41	4.100E+01	5.187E-02	-4.820E-03	1.832E+03	2.131E+01	0.000E+00
42	4.200E+01	4.727E-02	-4.601E-03	1.861E+03	2.137E+01	0.000E+00
43	4.300E+01	4.289E-02	-4.379E-03	1.890E+03	2.144E+01	0.000E+00
44	4.400E+01	3.874E-02	-4.153E-03	1.918E+03	2.150E+01	0.000E+00
45	4.500E+01	3.482E-02	-3.924E-03	1.946E+03	2.156E+01	0.000E+00
46	4.600E+01	3.113E-02	-3.692E-03	1.974E+03	2.163E+01	0.000E+00
47	4.700E+01	2.767E-02	-3.456E-03	2.001E+03	2.169E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.445E-02	-3.217E-03	2.055E+03	2.176E+01	0.000E+00
49	4.900E+01	2.148E-02	-2.975E-03	2.082E+03	2.182E+01	0.000E+00
50	5.000E+01	1.875E-02	-2.730E-03	2.108E+03	2.188E+01	0.000E+00
51	5.100E+01	1.622E-02	-2.527E-03	2.134E+03	2.192E+01	0.000E+00
52	5.200E+01	1.387E-02	-2.352E-03	2.159E+03	2.192E+01	0.000E+00
53	5.300E+01	1.169E-02	-2.176E-03	2.185E+03	2.192E+01	0.000E+00
54	5.400E+01	9.695E-03	-1.997E-03	2.210E+03	2.192E+01	0.000E+00
55	5.500E+01	7.879E-03	-1.816E-03	2.235E+03	2.192E+01	0.000E+00
56	5.600E+01	6.246E-03	-1.633E-03	2.259E+03	2.192E+01	0.000E+00
57	5.700E+01	4.798E-03	-1.448E-03	2.283E+03	2.192E+01	0.000E+00
58	5.800E+01	3.536E-03	-1.261E-03	2.307E+03	2.192E+01	0.000E+00
59	5.900E+01	2.464E-03	-1.073E-03	2.331E+03	2.192E+01	0.000E+00
60	6.000E+01	1.582E-03	-8.818E-04	2.354E+03	2.192E+01	0.000E+00
61	6.100E+01	8.929E-04	-6.892E-04	2.377E+03	2.192E+01	0.000E+00
62	6.200E+01	3.982E-04	-4.946E-04	2.400E+03	2.192E+01	0.000E+00
63	6.300E+01	1.000E-04	-2.982E-04	2.422E+03	2.192E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.000E-04	1.222E+03	-1.200E+03	-2.192E+01
65	6.500E+01	1.000E-04	1.000E-04	0.000E+00	-1.222E+03	0.000E+00

PROB (CONTD)

15 Live Load Case B, Water Case 1, 30 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.976E-01	999		3.976E-01	0		0.000E+00	999		0.000E+00	999	
0	3.870E-01	999		3.870E-01	999		2.558E+02	999		2.558E+02	999	
1	3.765E-01	0		3.765E-01	999		5.468E+02	999		5.468E+02	999	
2	3.660E-01	0		3.660E-01	999		5.821E+02	999		5.821E+02	999	
3	3.557E-01	0		3.557E-01	999		6.174E+02	999		6.174E+02	999	
4	3.453E-01	0		3.453E-01	999		6.526E+02	999		6.526E+02	999	
5	3.351E-01	999		3.351E-01	0		6.877E+02	999		6.877E+02	999	
6	3.250E-01	0		3.250E-01	999		7.228E+02	999		7.228E+02	999	
7	3.149E-01	0		3.149E-01	999		7.578E+02	999		7.578E+02	999	
8	3.049E-01	999		3.049E-01	0		7.927E+02	999		7.927E+02	999	
9	2.950E-01	0		2.950E-01	999		8.275E+02	999		8.275E+02	999	
10	2.853E-01	999		2.853E-01	0		8.623E+02	999		8.623E+02	999	
11	2.756E-01	0		2.756E-01	999		8.970E+02	999		8.970E+02	999	
12	2.660E-01	0		2.660E-01	999		9.315E+02	999		9.315E+02	999	
13	2.565E-01	999		2.565E-01	0		9.660E+02	999		9.660E+02	999	
14	2.472E-01	999		2.472E-01	0		1.000E+03	999		1.000E+03	999	
15	2.379E-01	0		2.379E-01	999		1.034E+03	999		1.034E+03	999	
16	2.288E-01	0		2.288E-01	999		1.069E+03	999		1.069E+03	999	
17	2.198E-01	999		2.198E-01	0		1.103E+03	999		1.103E+03	999	
18	2.110E-01	0		2.110E-01	999		1.136E+03	999		1.136E+03	999	
19	2.022E-01	0		2.022E-01	999		1.170E+03	999		1.170E+03	999	
20	1.936E-01	0		1.936E-01	999		1.204E+03	999		1.204E+03	999	
21	1.852E-01	0		1.852E-01	999		1.237E+03	999		1.237E+03	999	
22	1.769E-01	999		1.769E-01	0		1.270E+03	999		1.270E+03	999	
23	1.687E-01	0		1.687E-01	999		1.303E+03	999		1.303E+03	999	
24	1.607E-01	999		1.607E-01	0		1.336E+03	999		1.336E+03	999	
25	1.529E-01	999		1.529E-01	0		1.369E+03	999		1.369E+03	999	
26	1.452E-01	999		1.452E-01	0		1.401E+03	999		1.401E+03	999	
27	1.377E-01	999		1.377E-01	0		1.433E+03	999		1.433E+03	999	
28	1.304E-01	999		1.304E-01	0		1.465E+03	999		1.465E+03	999	
29	1.232E-01	0		1.232E-01	999		1.497E+03	999		1.497E+03	999	
30	1.162E-01	999		1.162E-01	0		1.529E+03	999		1.529E+03	999	
31	1.094E-01	999		1.094E-01	0		1.560E+03	999		1.560E+03	999	
32	1.027E-01	999		1.027E-01	0		1.591E+03	999		1.591E+03	999	
33	9.628E-02	999		9.628E-02	0		1.622E+03	999		1.622E+03	999	
34	9.002E-02	0		9.002E-02	999		1.653E+03	999		1.653E+03	999	
35	8.396E-02	999		8.396E-02	0		1.684E+03	999		1.684E+03	999	
36	7.810E-02	999		7.810E-02	0		1.714E+03	999		1.714E+03	999	
37	7.244E-02	0		7.244E-02	999		1.744E+03	999		1.744E+03	999	
38	6.698E-02	0		6.698E-02	999		1.774E+03	999		1.774E+03	999	
39	6.173E-02	0		6.173E-02	999		1.803E+03	999		1.803E+03	999	
40	5.669E-02	999		5.669E-02	0		1.832E+03	999		1.832E+03	999	
41	5.187E-02	0		5.187E-02	999		1.861E+03	999		1.861E+03	999	
42	4.727E-02	0		4.727E-02	999		1.890E+03	999		1.890E+03	999	
43	4.289E-02	999		4.289E-02	0		1.918E+03	999		1.918E+03	999	
44	3.874E-02	0		3.874E-02	999		1.946E+03	999		1.946E+03	999	
45	3.482E-02	999		3.482E-02	0		1.974E+03	999		1.974E+03	999	
46	3.113E-02	999		3.113E-02	0		2.001E+03	999		2.001E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.767E-02		0	2.767E-02		999	2.028E+03		999	2.028E+03		999
48	2.445E-02		0	2.445E-02		999	2.055E+03		999	2.055E+03		999
49	2.148E-02		999	2.148E-02		0	2.082E+03		999	2.082E+03		999
50	1.875E-02		999	1.875E-02		0	2.108E+03		999	2.108E+03		999
51	1.622E-02		0	1.622E-02		999	2.134E+03		999	2.134E+03		999
52	1.387E-02		0	1.387E-02		999	2.159E+03		999	2.159E+03		999
53	1.169E-02		999	1.169E-02		0	2.185E+03		999	2.185E+03		999
54	9.695E-03		0	9.695E-03		999	2.210E+03		999	2.210E+03		999
55	7.879E-03		0	7.879E-03		999	2.235E+03		999	2.235E+03		999
56	6.246E-03		999	6.246E-03		0	2.259E+03		999	2.259E+03		999
57	4.798E-03		999	4.798E-03		0	2.283E+03		999	2.283E+03		999
58	3.536E-03		999	3.536E-03		0	2.307E+03		999	2.307E+03		999
59	2.464E-03		0	2.464E-03		999	2.331E+03		999	2.331E+03		999
60	1.582E-03		999	1.582E-03		0	2.354E+03		999	2.354E+03		999
61	8.929E-04		999	8.929E-04		0	2.377E+03		999	2.377E+03		999
62	3.982E-04		0	3.982E-04		999	2.400E+03		999	2.400E+03		999
63	1.000E-04		0	1.000E-04		999	2.422E+03		999	2.422E+03		999
64	0.000E+00		999	0.000E+00		999	1.222E+03		999	1.222E+03		999
65	1.000E-04		0	1.000E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	2.558E+02 999	2.558E+02 999	1.569E-02 999	1.569E-02 999
1	2.745E+02 999	2.745E+02 999	0.000E+00 999	0.000E+00 999
2	1.881E+01 999	1.881E+01 999	0.000E+00 999	0.000E+00 999
3	1.888E+01 999	1.888E+01 999	0.000E+00 999	0.000E+00 999
4	1.894E+01 999	1.894E+01 999	0.000E+00 999	0.000E+00 999
5	1.900E+01 999	1.900E+01 999	0.000E+00 999	0.000E+00 999
6	1.907E+01 999	1.907E+01 999	0.000E+00 999	0.000E+00 999
7	1.913E+01 999	1.913E+01 999	0.000E+00 999	0.000E+00 999
8	1.920E+01 999	1.920E+01 999	0.000E+00 999	0.000E+00 999
9	1.926E+01 999	1.926E+01 999	0.000E+00 999	0.000E+00 999
10	1.932E+01 999	1.932E+01 999	0.000E+00 999	0.000E+00 999
11	1.939E+01 999	1.939E+01 999	0.000E+00 999	0.000E+00 999
12	1.945E+01 999	1.945E+01 999	0.000E+00 999	0.000E+00 999
13	1.952E+01 999	1.952E+01 999	0.000E+00 999	0.000E+00 999
14	1.958E+01 999	1.958E+01 999	0.000E+00 999	0.000E+00 999
15	1.964E+01 999	1.964E+01 999	0.000E+00 999	0.000E+00 999
16	1.971E+01 999	1.971E+01 999	0.000E+00 999	0.000E+00 999
17	1.977E+01 999	1.977E+01 999	0.000E+00 999	0.000E+00 999
18	1.984E+01 999	1.984E+01 999	0.000E+00 999	0.000E+00 999
19	1.990E+01 999	1.990E+01 999	0.000E+00 999	0.000E+00 999
20	1.996E+01 999	1.996E+01 999	0.000E+00 999	0.000E+00 999
21	2.003E+01 999	2.003E+01 999	0.000E+00 999	0.000E+00 999
22	2.009E+01 999	2.009E+01 999	0.000E+00 999	0.000E+00 999
23	2.016E+01 999	2.016E+01 999	0.000E+00 999	0.000E+00 999
24	2.022E+01 999	2.022E+01 999	0.000E+00 999	0.000E+00 999
25	2.028E+01 999	2.028E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	2.035E+01 999	2.035E+01 999	0.000E+00 999	0.000E+00 999
27	2.041E+01 999	2.041E+01 999	0.000E+00 999	0.000E+00 999
28	2.048E+01 999	2.048E+01 999	0.000E+00 999	0.000E+00 999
29	2.054E+01 999	2.054E+01 999	0.000E+00 999	0.000E+00 999
30	2.060E+01 999	2.060E+01 999	0.000E+00 999	0.000E+00 999
31	2.067E+01 999	2.067E+01 999	0.000E+00 999	0.000E+00 999
32	2.073E+01 999	2.073E+01 999	0.000E+00 999	0.000E+00 999
33	2.080E+01 999	2.080E+01 999	0.000E+00 999	0.000E+00 999
34	2.086E+01 999	2.086E+01 999	0.000E+00 999	0.000E+00 999
35	2.092E+01 999	2.092E+01 999	0.000E+00 999	0.000E+00 999
36	2.099E+01 999	2.099E+01 999	0.000E+00 999	0.000E+00 999
37	2.105E+01 999	2.105E+01 999	0.000E+00 999	0.000E+00 999
38	2.112E+01 999	2.112E+01 999	0.000E+00 999	0.000E+00 999
39	2.118E+01 999	2.118E+01 999	0.000E+00 999	0.000E+00 999
40	2.124E+01 999	2.124E+01 999	0.000E+00 999	0.000E+00 999
41	2.131E+01 999	2.131E+01 999	0.000E+00 999	0.000E+00 999
42	2.137E+01 999	2.137E+01 999	0.000E+00 999	0.000E+00 999
43	2.144E+01 999	2.144E+01 999	0.000E+00 999	0.000E+00 999
44	2.150E+01 999	2.150E+01 999	0.000E+00 999	0.000E+00 999
45	2.156E+01 999	2.156E+01 999	0.000E+00 999	0.000E+00 999
46	2.163E+01 999	2.163E+01 999	0.000E+00 999	0.000E+00 999
47	2.169E+01 999	2.169E+01 999	0.000E+00 999	0.000E+00 999
48	2.176E+01 999	2.176E+01 999	0.000E+00 999	0.000E+00 999
49	2.182E+01 999	2.182E+01 999	0.000E+00 999	0.000E+00 999
50	2.188E+01 999	2.188E+01 999	0.000E+00 999	0.000E+00 999
51	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
53	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
54	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
55	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
56	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
57	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
58	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
59	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
60	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
61	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
62	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
63	2.192E+01 999	2.192E+01 999	0.000E+00 999	0.000E+00 999
64	-1.200E+03 999	-1.200E+03 999	-2.192E+01 999	-2.192E+01 999
65	-1.222E+03 999	-1.222E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
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NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS						0	0	0	0

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	4.940E+01	0.000E+00	3.886E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	5.500E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.230E-01		0.000E+00		0.000E+00
			-7.952E-03		1.943E+03	
0	0.000E+00	2.151E-01		1.943E+03		0.000E+00
			-7.838E-03		1.992E+03	
1	1.000E+00	2.072E-01		3.948E+03		0.000E+00
			-7.722E-03		4.948E+01	
2	2.000E+00	1.995E-01		4.010E+03		0.000E+00
			-7.604E-03		4.954E+01	
3	3.000E+00	1.919E-01		4.071E+03		0.000E+00
			-7.484E-03		4.959E+01	
4	4.000E+00	1.844E-01		4.132E+03		0.000E+00
			-7.362E-03		4.965E+01	
5	5.000E+00	1.771E-01		4.194E+03		0.000E+00
			-7.239E-03		4.970E+01	
6	6.000E+00	1.698E-01		4.255E+03		0.000E+00
			-7.114E-03		4.976E+01	
7	7.000E+00	1.627E-01		4.316E+03		0.000E+00
			-6.987E-03		4.981E+01	
8	8.000E+00	1.557E-01		4.377E+03		0.000E+00
			-6.858E-03		4.987E+01	
9	9.000E+00	1.489E-01		4.437E+03		0.000E+00
			-6.727E-03		4.992E+01	
10	1.000E+01	1.421E-01		4.498E+03		0.000E+00
			-6.595E-03		4.998E+01	
11	1.100E+01	1.355E-01		4.558E+03		0.000E+00
			-6.461E-03		5.003E+01	
12	1.200E+01	1.291E-01		4.618E+03		0.000E+00
			-6.325E-03		5.009E+01	
13	1.300E+01	1.228E-01		4.679E+03		0.000E+00
			-6.187E-03		5.014E+01	
14	1.400E+01	1.166E-01		4.738E+03		0.000E+00
			-6.048E-03		5.020E+01	
15	1.500E+01	1.105E-01		4.798E+03		0.000E+00
			-5.907E-03		5.025E+01	
16	1.600E+01	1.046E-01		4.858E+03		0.000E+00
			-5.764E-03		5.031E+01	
17	1.700E+01	9.885E-02		4.917E+03		0.000E+00
			-5.619E-03		5.036E+01	
18	1.800E+01	9.323E-02		4.976E+03		0.000E+00
			-5.472E-03		5.042E+01	
19	1.900E+01	8.776E-02		5.035E+03		0.000E+00
			-5.324E-03		5.047E+01	
20	2.000E+01	8.244E-02		5.094E+03		0.000E+00
			-5.174E-03		5.053E+01	
21	2.100E+01	7.726E-02		5.153E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	7.224E-02	-5.023E-03	5.211E+03	5.058E+01	0.000E+00
23	2.300E+01	6.737E-02	-4.869E-03	5.270E+03	5.064E+01	0.000E+00
24	2.400E+01	6.265E-02	-4.714E-03	5.328E+03	5.069E+01	0.000E+00
25	2.500E+01	5.810E-02	-4.557E-03	5.386E+03	5.075E+01	0.000E+00
26	2.600E+01	5.370E-02	-4.399E-03	5.444E+03	5.080E+01	0.000E+00
27	2.700E+01	4.946E-02	-4.239E-03	5.501E+03	5.086E+01	0.000E+00
28	2.800E+01	4.538E-02	-4.077E-03	5.558E+03	5.091E+01	0.000E+00
29	2.900E+01	4.147E-02	-3.913E-03	5.616E+03	5.097E+01	0.000E+00
30	3.000E+01	3.772E-02	-3.748E-03	5.672E+03	5.102E+01	0.000E+00
31	3.100E+01	3.414E-02	-3.581E-03	5.729E+03	5.108E+01	0.000E+00
32	3.200E+01	3.073E-02	-3.412E-03	5.786E+03	5.113E+01	0.000E+00
33	3.300E+01	2.749E-02	-3.242E-03	5.842E+03	5.119E+01	0.000E+00
34	3.400E+01	2.442E-02	-3.070E-03	5.898E+03	5.124E+01	0.000E+00
35	3.500E+01	2.152E-02	-2.897E-03	5.954E+03	5.130E+01	0.000E+00
36	3.600E+01	1.880E-02	-2.721E-03	6.010E+03	5.135E+01	0.000E+00
37	3.700E+01	1.625E-02	-2.545E-03	6.065E+03	5.141E+01	0.000E+00
38	3.800E+01	1.389E-02	-2.366E-03	6.120E+03	5.146E+01	0.000E+00
39	3.900E+01	1.170E-02	-2.186E-03	6.175E+03	5.152E+01	0.000E+00
40	4.000E+01	9.697E-03	-2.004E-03	6.230E+03	5.157E+01	0.000E+00
41	4.100E+01	7.876E-03	-1.821E-03	6.284E+03	5.163E+01	0.000E+00
42	4.200E+01	6.240E-03	-1.636E-03	6.339E+03	5.168E+01	0.000E+00
43	4.300E+01	4.790E-03	-1.449E-03	6.393E+03	5.174E+01	0.000E+00
44	4.400E+01	3.529E-03	-1.261E-03	6.446E+03	5.179E+01	0.000E+00
45	4.500E+01	2.457E-03	-1.072E-03	6.500E+03	5.185E+01	0.000E+00
46	4.600E+01	1.577E-03	-8.803E-04	6.553E+03	5.190E+01	0.000E+00
47	4.700E+01	8.896E-04	-6.874E-04	6.606E+03	5.196E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.966E-04	-4.930E-04	6.659E+03	5.201E+01	0.000E+00
49	4.900E+01	9.953E-05	-2.970E-04	6.712E+03	5.207E+01	0.000E+00
50	5.000E+01	0.000E+00	-9.953E-05	3.382E+03	-3.330E+03	-5.215E+01
51	5.100E+01	9.953E-05	9.953E-05	0.000E+00	-3.382E+03	0.000E+00



PROB (CONTD)

16 Live Load Case B, Water Case 1, 30 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.230E-01	999		2.230E-01	0		0.000E+00	999		0.000E+00	999	
0	2.151E-01	999		2.151E-01	0		1.943E+03	999		1.943E+03	999	
1	2.072E-01	0		2.072E-01	999		3.948E+03	999		3.948E+03	999	
2	1.995E-01	0		1.995E-01	999		4.010E+03	999		4.010E+03	999	
3	1.919E-01	999		1.919E-01	0		4.071E+03	999		4.071E+03	999	
4	1.844E-01	0		1.844E-01	999		4.132E+03	999		4.132E+03	999	
5	1.771E-01	999		1.771E-01	0		4.194E+03	999		4.194E+03	999	
6	1.698E-01	0		1.698E-01	999		4.255E+03	999		4.255E+03	999	
7	1.627E-01	0		1.627E-01	999		4.316E+03	999		4.316E+03	999	
8	1.557E-01	0		1.557E-01	999		4.377E+03	999		4.377E+03	999	
9	1.489E-01	0		1.489E-01	999		4.437E+03	999		4.437E+03	999	
10	1.421E-01	999		1.421E-01	0		4.498E+03	999		4.498E+03	999	
11	1.355E-01	999		1.355E-01	0		4.558E+03	999		4.558E+03	999	
12	1.291E-01	999		1.291E-01	0		4.618E+03	999		4.618E+03	999	
13	1.228E-01	0		1.228E-01	999		4.679E+03	999		4.679E+03	999	
14	1.166E-01	999		1.166E-01	0		4.738E+03	999		4.738E+03	999	
15	1.105E-01	999		1.105E-01	0		4.798E+03	999		4.798E+03	999	
16	1.046E-01	999		1.046E-01	0		4.858E+03	999		4.858E+03	999	
17	9.885E-02	999		9.885E-02	0		4.917E+03	999		4.917E+03	999	
18	9.323E-02	0		9.323E-02	999		4.976E+03	999		4.976E+03	999	
19	8.776E-02	0		8.776E-02	999		5.035E+03	999		5.035E+03	999	
20	8.244E-02	999		8.244E-02	0		5.094E+03	999		5.094E+03	999	
21	7.726E-02	0		7.726E-02	999		5.153E+03	999		5.153E+03	999	
22	7.224E-02	0		7.224E-02	999		5.211E+03	999		5.211E+03	999	
23	6.737E-02	0		6.737E-02	999		5.270E+03	999		5.270E+03	999	
24	6.265E-02	999		6.265E-02	0		5.328E+03	999		5.328E+03	999	
25	5.810E-02	0		5.810E-02	999		5.386E+03	999		5.386E+03	999	
26	5.370E-02	999		5.370E-02	0		5.444E+03	999		5.444E+03	999	
27	4.946E-02	999		4.946E-02	0		5.501E+03	999		5.501E+03	999	
28	4.538E-02	999		4.538E-02	0		5.558E+03	999		5.558E+03	999	
29	4.147E-02	999		4.147E-02	0		5.616E+03	999		5.616E+03	999	
30	3.772E-02	999		3.772E-02	0		5.672E+03	999		5.672E+03	999	
31	3.414E-02	999		3.414E-02	0		5.729E+03	999		5.729E+03	999	
32	3.073E-02	0		3.073E-02	999		5.786E+03	999		5.786E+03	999	
33	2.749E-02	0		2.749E-02	999		5.842E+03	999		5.842E+03	999	
34	2.442E-02	0		2.442E-02	999		5.898E+03	999		5.898E+03	999	
35	2.152E-02	0		2.152E-02	999		5.954E+03	999		5.954E+03	999	
36	1.880E-02	999		1.880E-02	0		6.010E+03	999		6.010E+03	999	
37	1.625E-02	999		1.625E-02	0		6.065E+03	999		6.065E+03	999	
38	1.389E-02	999		1.389E-02	0		6.120E+03	999		6.120E+03	999	
39	1.170E-02	0		1.170E-02	999		6.175E+03	999		6.175E+03	999	
40	9.697E-03	999		9.697E-03	0		6.230E+03	999		6.230E+03	999	
41	7.876E-03	0		7.876E-03	999		6.284E+03	999		6.284E+03	999	
42	6.240E-03	0		6.240E-03	999		6.339E+03	999		6.339E+03	999	
43	4.790E-03	999		4.790E-03	0		6.393E+03	999		6.393E+03	999	
44	3.529E-03	0		3.529E-03	999		6.446E+03	999		6.446E+03	999	
45	2.457E-03	0		2.457E-03	999		6.500E+03	999		6.500E+03	999	
46	1.577E-03	999		1.577E-03	0		6.553E+03	999		6.553E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	8.896E-04	999		8.896E-04	0		6.606E+03	999		6.606E+03	999	
48	3.966E-04	999		3.966E-04	0		6.659E+03	999		6.659E+03	999	
49	9.953E-05	0		9.953E-05	999		6.712E+03	999		6.712E+03	999	
50	0.000E+00	999		0.000E+00	999		3.382E+03	999		3.382E+03	999	
51	9.953E-05	0		9.953E-05	999		0.000E+00	999		0.000E+00	999	

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.943E+03 999	1.943E+03 999	0.000E+00 999	0.000E+00 999
0	1.992E+03 999	1.992E+03 999	0.000E+00 999	0.000E+00 999
1	4.948E+01 999	4.948E+01 999	0.000E+00 999	0.000E+00 999
2	4.954E+01 999	4.954E+01 999	0.000E+00 999	0.000E+00 999
3	4.959E+01 999	4.959E+01 999	0.000E+00 999	0.000E+00 999
4	4.965E+01 999	4.965E+01 999	0.000E+00 999	0.000E+00 999
5	4.970E+01 999	4.970E+01 999	0.000E+00 999	0.000E+00 999
6	4.976E+01 999	4.976E+01 999	0.000E+00 999	0.000E+00 999
7	4.981E+01 999	4.981E+01 999	0.000E+00 999	0.000E+00 999
8	4.987E+01 999	4.987E+01 999	0.000E+00 999	0.000E+00 999
9	4.992E+01 999	4.992E+01 999	0.000E+00 999	0.000E+00 999
10	4.998E+01 999	4.998E+01 999	0.000E+00 999	0.000E+00 999
11	5.003E+01 999	5.003E+01 999	0.000E+00 999	0.000E+00 999
12	5.009E+01 999	5.009E+01 999	0.000E+00 999	0.000E+00 999
13	5.014E+01 999	5.014E+01 999	0.000E+00 999	0.000E+00 999
14	5.020E+01 999	5.020E+01 999	0.000E+00 999	0.000E+00 999
15	5.025E+01 999	5.025E+01 999	0.000E+00 999	0.000E+00 999
16	5.031E+01 999	5.031E+01 999	0.000E+00 999	0.000E+00 999
17	5.036E+01 999	5.036E+01 999	0.000E+00 999	0.000E+00 999
18	5.042E+01 999	5.042E+01 999	0.000E+00 999	0.000E+00 999
19	5.047E+01 999	5.047E+01 999	0.000E+00 999	0.000E+00 999
20	5.053E+01 999	5.053E+01 999	0.000E+00 999	0.000E+00 999
21	5.058E+01 999	5.058E+01 999	0.000E+00 999	0.000E+00 999
22	5.064E+01 999	5.064E+01 999	0.000E+00 999	0.000E+00 999
23	5.069E+01 999	5.069E+01 999	0.000E+00 999	0.000E+00 999
24	5.075E+01 999	5.075E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	5.080E+01 999	5.080E+01 999	0.000E+00 999	0.000E+00 999
27	5.086E+01 999	5.086E+01 999	0.000E+00 999	0.000E+00 999
28	5.091E+01 999	5.091E+01 999	0.000E+00 999	0.000E+00 999
29	5.097E+01 999	5.097E+01 999	0.000E+00 999	0.000E+00 999
30	5.102E+01 999	5.102E+01 999	0.000E+00 999	0.000E+00 999
31	5.108E+01 999	5.108E+01 999	0.000E+00 999	0.000E+00 999
32	5.113E+01 999	5.113E+01 999	0.000E+00 999	0.000E+00 999
33	5.119E+01 999	5.119E+01 999	0.000E+00 999	0.000E+00 999
34	5.124E+01 999	5.124E+01 999	0.000E+00 999	0.000E+00 999
35	5.130E+01 999	5.130E+01 999	0.000E+00 999	0.000E+00 999
36	5.135E+01 999	5.135E+01 999	0.000E+00 999	0.000E+00 999
37	5.141E+01 999	5.141E+01 999	0.000E+00 999	0.000E+00 999
38	5.146E+01 999	5.146E+01 999	0.000E+00 999	0.000E+00 999
39	5.152E+01 999	5.152E+01 999	0.000E+00 999	0.000E+00 999
40	5.157E+01 999	5.157E+01 999	0.000E+00 999	0.000E+00 999
41	5.163E+01 999	5.163E+01 999	0.000E+00 999	0.000E+00 999
42	5.168E+01 999	5.168E+01 999	0.000E+00 999	0.000E+00 999
43	5.174E+01 999	5.174E+01 999	0.000E+00 999	0.000E+00 999
44	5.179E+01 999	5.179E+01 999	0.000E+00 999	0.000E+00 999
45	5.185E+01 999	5.185E+01 999	0.000E+00 999	0.000E+00 999
46	5.190E+01 999	5.190E+01 999	0.000E+00 999	0.000E+00 999
47	5.196E+01 999	5.196E+01 999	0.000E+00 999	0.000E+00 999
48	5.201E+01 999	5.201E+01 999	0.000E+00 999	0.000E+00 999
49	5.207E+01 999	5.207E+01 999	0.000E+00 999	0.000E+00 999
50	-3.330E+03 999	-3.330E+03 999	-5.215E+01 999	-5.215E+01 999
51	-3.382E+03 999	-3.382E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0	0
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.120E+01	0.000E+00	5.336E+02	0.000E+00	-1.577E+03
0	50	0	8.496E+06	9.100E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE



PSF  
 NO COUNTY HIGHWAY NO PD- IPE CONTROL- SECTION-JOB CODED BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.976E-01		0.000E+00		0.000E+00
0	0.000E+00	3.870E-01	-1.060E-02	2.668E+02	2.668E+02	-3.646E+00
1	1.000E+00	3.765E-01	-1.054E-02	5.678E+02	2.844E+02	0.000E+00
2	2.000E+00	3.660E-01	-1.047E-02	6.020E+02	1.769E+01	0.000E+00
3	3.000E+00	3.556E-01	-1.040E-02	6.362E+02	1.778E+01	0.000E+00
4	4.000E+00	3.453E-01	-1.033E-02	6.704E+02	1.787E+01	0.000E+00
5	5.000E+00	3.453E-01	-1.025E-02	6.704E+02	1.796E+01	0.000E+00
6	6.000E+00	3.350E-01	-1.016E-02	7.045E+02	1.805E+01	0.000E+00
7	7.000E+00	3.249E-01	-1.008E-02	7.386E+02	1.815E+01	0.000E+00
8	8.000E+00	3.148E-01	-9.986E-03	7.726E+02	1.824E+01	0.000E+00
9	9.000E+00	3.048E-01	-9.986E-03	8.066E+02	1.824E+01	0.000E+00
10	1.000E+01	2.949E-01	-9.891E-03	8.405E+02	1.833E+01	0.000E+00
11	1.100E+01	2.851E-01	-9.792E-03	8.744E+02	1.842E+01	0.000E+00
12	1.200E+01	2.754E-01	-9.689E-03	9.081E+02	1.851E+01	0.000E+00
13	1.300E+01	2.658E-01	-9.582E-03	9.419E+02	1.860E+01	0.000E+00
14	1.400E+01	2.564E-01	-9.471E-03	9.755E+02	1.869E+01	0.000E+00
15	1.500E+01	2.470E-01	-9.357E-03	1.009E+03	1.878E+01	0.000E+00
16	1.600E+01	2.378E-01	-9.238E-03	1.042E+03	1.887E+01	0.000E+00
17	1.700E+01	2.287E-01	-9.115E-03	1.076E+03	1.897E+01	0.000E+00
18	1.800E+01	2.197E-01	-8.989E-03	1.109E+03	1.906E+01	0.000E+00
19	1.900E+01	2.108E-01	-8.858E-03	1.142E+03	1.915E+01	0.000E+00
20	2.000E+01	2.021E-01	-8.724E-03	1.175E+03	1.924E+01	0.000E+00
21	2.100E+01	1.935E-01	-8.585E-03	1.208E+03	1.933E+01	0.000E+00
22	2.200E+01	1.851E-01	-8.443E-03	1.241E+03	1.942E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.768E-01	-8.297E-03	1.273E+03	1.951E+01	0.000E+00
23	2.300E+01	1.686E-01	-8.147E-03	1.306E+03	1.960E+01	0.000E+00
24	2.400E+01	1.606E-01	-7.993E-03	1.338E+03	1.969E+01	0.000E+00
25	2.500E+01	1.528E-01	-7.836E-03	1.370E+03	1.978E+01	0.000E+00
26	2.600E+01	1.451E-01	-7.675E-03	1.402E+03	1.988E+01	0.000E+00
27	2.700E+01	1.376E-01	-7.510E-03	1.434E+03	1.997E+01	0.000E+00
28	2.800E+01	1.303E-01	-7.341E-03	1.466E+03	2.006E+01	0.000E+00
29	2.900E+01	1.231E-01	-7.168E-03	1.497E+03	2.015E+01	0.000E+00
30	3.000E+01	1.161E-01	-6.992E-03	1.528E+03	2.024E+01	0.000E+00
31	3.100E+01	1.093E-01	-6.812E-03	1.559E+03	2.033E+01	0.000E+00
32	3.200E+01	1.027E-01	-6.629E-03	1.590E+03	2.042E+01	0.000E+00
33	3.300E+01	9.622E-02	-6.442E-03	1.621E+03	2.051E+01	0.000E+00
34	3.400E+01	8.996E-02	-6.251E-03	1.651E+03	2.060E+01	0.000E+00
35	3.500E+01	8.391E-02	-6.056E-03	1.682E+03	2.069E+01	0.000E+00
36	3.600E+01	7.805E-02	-5.858E-03	1.712E+03	2.078E+01	0.000E+00
37	3.700E+01	7.239E-02	-5.657E-03	1.741E+03	2.088E+01	0.000E+00
38	3.800E+01	6.694E-02	-5.452E-03	1.771E+03	2.097E+01	0.000E+00
39	3.900E+01	6.170E-02	-5.244E-03	1.800E+03	2.106E+01	0.000E+00
40	4.000E+01	5.667E-02	-5.032E-03	1.829E+03	2.115E+01	0.000E+00
41	4.100E+01	5.185E-02	-4.816E-03	1.858E+03	2.124E+01	0.000E+00
42	4.200E+01	4.725E-02	-4.598E-03	1.887E+03	2.133E+01	0.000E+00
43	4.300E+01	4.288E-02	-4.375E-03	1.915E+03	2.142E+01	0.000E+00
44	4.400E+01	3.873E-02	-4.150E-03	1.943E+03	2.151E+01	0.000E+00
45	4.500E+01	3.481E-02	-3.921E-03	1.971E+03	2.160E+01	0.000E+00
46	4.600E+01	3.112E-02	-3.689E-03	1.999E+03	2.169E+01	0.000E+00
47	4.700E+01	2.766E-02	-3.454E-03	2.026E+03	2.179E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.445E-02	-3.216E-03	2.053E+03	2.188E+01	0.000E+00
49	4.900E+01	2.147E-02	-2.974E-03	2.079E+03	2.197E+01	0.000E+00
50	5.000E+01	1.874E-02	-2.729E-03	2.106E+03	2.206E+01	0.000E+00
51	5.100E+01	1.622E-02	-2.526E-03	2.132E+03	2.210E+01	0.000E+00
52	5.200E+01	1.387E-02	-2.352E-03	2.158E+03	2.210E+01	0.000E+00
53	5.300E+01	1.169E-02	-2.175E-03	2.183E+03	2.210E+01	0.000E+00
54	5.400E+01	9.694E-03	-1.996E-03	2.208E+03	2.210E+01	0.000E+00
55	5.500E+01	7.879E-03	-1.816E-03	2.233E+03	2.210E+01	0.000E+00
56	5.600E+01	6.246E-03	-1.633E-03	2.258E+03	2.210E+01	0.000E+00
57	5.700E+01	4.798E-03	-1.448E-03	2.282E+03	2.210E+01	0.000E+00
58	5.800E+01	3.536E-03	-1.261E-03	2.307E+03	2.210E+01	0.000E+00
59	5.900E+01	2.464E-03	-1.073E-03	2.330E+03	2.210E+01	0.000E+00
60	6.000E+01	1.582E-03	-8.818E-04	2.354E+03	2.210E+01	0.000E+00
61	6.100E+01	8.930E-04	-6.892E-04	2.377E+03	2.210E+01	0.000E+00
62	6.200E+01	3.983E-04	-4.947E-04	2.400E+03	2.210E+01	0.000E+00
63	6.300E+01	1.000E-04	-2.983E-04	2.422E+03	2.210E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.000E-04	1.222E+03	-1.200E+03	-2.210E+01
65	6.500E+01	1.000E-04	1.000E-04	0.000E+00	-1.222E+03	0.000E+00

PROB (CONTD)

17 Live Load Case B, Water Case 1, 45 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.976E-01		0	3.976E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	2.668E+02		999	2.668E+02		999
1	3.765E-01		0	3.765E-01		999	5.678E+02		999	5.678E+02		999
2	3.660E-01		0	3.660E-01		999	6.020E+02		999	6.020E+02		999
3	3.556E-01		999	3.556E-01		0	6.362E+02		999	6.362E+02		999
4	3.453E-01		999	3.453E-01		0	6.704E+02		999	6.704E+02		999
5	3.350E-01		999	3.350E-01		0	7.045E+02		999	7.045E+02		999
6	3.249E-01		999	3.249E-01		0	7.386E+02		999	7.386E+02		999
7	3.148E-01		999	3.148E-01		0	7.726E+02		999	7.726E+02		999
8	3.048E-01		999	3.048E-01		0	8.066E+02		999	8.066E+02		999
9	2.949E-01		0	2.949E-01		999	8.405E+02		999	8.405E+02		999
10	2.851E-01		999	2.851E-01		0	8.744E+02		999	8.744E+02		999
11	2.754E-01		0	2.754E-01		999	9.081E+02		999	9.081E+02		999
12	2.658E-01		0	2.658E-01		999	9.419E+02		999	9.419E+02		999
13	2.564E-01		0	2.564E-01		999	9.755E+02		999	9.755E+02		999
14	2.470E-01		0	2.470E-01		999	1.009E+03		999	1.009E+03		999
15	2.378E-01		0	2.378E-01		999	1.042E+03		999	1.042E+03		999
16	2.287E-01		999	2.287E-01		0	1.076E+03		999	1.076E+03		999
17	2.197E-01		999	2.197E-01		0	1.109E+03		999	1.109E+03		999
18	2.108E-01		999	2.108E-01		0	1.142E+03		999	1.142E+03		999
19	2.021E-01		0	2.021E-01		999	1.175E+03		999	1.175E+03		999
20	1.935E-01		0	1.935E-01		999	1.208E+03		999	1.208E+03		999
21	1.851E-01		999	1.851E-01		0	1.241E+03		999	1.241E+03		999
22	1.768E-01		0	1.768E-01		999	1.273E+03		999	1.273E+03		999
23	1.686E-01		0	1.686E-01		999	1.306E+03		999	1.306E+03		999
24	1.606E-01		0	1.606E-01		999	1.338E+03		999	1.338E+03		999
25	1.528E-01		999	1.528E-01		0	1.370E+03		999	1.370E+03		999
26	1.451E-01		0	1.451E-01		999	1.402E+03		999	1.402E+03		999
27	1.376E-01		999	1.376E-01		0	1.434E+03		999	1.434E+03		999
28	1.303E-01		999	1.303E-01		0	1.466E+03		999	1.466E+03		999
29	1.231E-01		999	1.231E-01		0	1.497E+03		999	1.497E+03		999
30	1.161E-01		0	1.161E-01		999	1.528E+03		999	1.528E+03		999
31	1.093E-01		0	1.093E-01		999	1.559E+03		999	1.559E+03		999
32	1.027E-01		999	1.027E-01		0	1.590E+03		999	1.590E+03		999
33	9.622E-02		999	9.622E-02		0	1.621E+03		999	1.621E+03		999
34	8.996E-02		0	8.996E-02		999	1.651E+03		999	1.651E+03		999
35	8.391E-02		999	8.391E-02		0	1.682E+03		999	1.682E+03		999
36	7.805E-02		0	7.805E-02		999	1.712E+03		999	1.712E+03		999
37	7.239E-02		999	7.239E-02		0	1.741E+03		999	1.741E+03		999
38	6.694E-02		999	6.694E-02		0	1.771E+03		999	1.771E+03		999
39	6.170E-02		0	6.170E-02		999	1.800E+03		999	1.800E+03		999
40	5.667E-02		0	5.667E-02		999	1.829E+03		999	1.829E+03		999
41	5.185E-02		999	5.185E-02		0	1.858E+03		999	1.858E+03		999
42	4.725E-02		999	4.725E-02		0	1.887E+03		999	1.887E+03		999
43	4.288E-02		0	4.288E-02		999	1.915E+03		999	1.915E+03		999
44	3.873E-02		0	3.873E-02		999	1.943E+03		999	1.943E+03		999
45	3.481E-02		0	3.481E-02		999	1.971E+03		999	1.971E+03		999
46	3.112E-02		0	3.112E-02		999	1.999E+03		999	1.999E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.766E-02		0	2.766E-02		999	2.026E+03		999	2.026E+03		999
48	2.445E-02		999	2.445E-02		0	2.053E+03		999	2.053E+03		999
49	2.147E-02		0	2.147E-02		999	2.079E+03		999	2.079E+03		999
50	1.874E-02		999	1.874E-02		0	2.106E+03		999	2.106E+03		999
51	1.622E-02		999	1.622E-02		0	2.132E+03		999	2.132E+03		999
52	1.387E-02		999	1.387E-02		0	2.158E+03		999	2.158E+03		999
53	1.169E-02		0	1.169E-02		999	2.183E+03		999	2.183E+03		999
54	9.694E-03		0	9.694E-03		999	2.208E+03		999	2.208E+03		999
55	7.879E-03		0	7.879E-03		999	2.233E+03		999	2.233E+03		999
56	6.246E-03		0	6.246E-03		999	2.258E+03		999	2.258E+03		999
57	4.798E-03		0	4.798E-03		999	2.282E+03		999	2.282E+03		999
58	3.536E-03		0	3.536E-03		999	2.307E+03		999	2.307E+03		999
59	2.464E-03		999	2.464E-03		0	2.330E+03		999	2.330E+03		999
60	1.582E-03		0	1.582E-03		999	2.354E+03		999	2.354E+03		999
61	8.930E-04		999	8.930E-04		0	2.377E+03		999	2.377E+03		999
62	3.983E-04		999	3.983E-04		0	2.400E+03		999	2.400E+03		999
63	1.000E-04		999	1.000E-04		0	2.422E+03		999	2.422E+03		999
64	0.000E+00		999	0.000E+00		999	1.222E+03		999	1.222E+03		999
65	1.000E-04		999	1.000E-04		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	2.668E+02 999	2.668E+02 999	-3.646E+00 999	-3.646E+00 999
1	2.844E+02 999	2.844E+02 999	0.000E+00 999	0.000E+00 999
2	1.769E+01 999	1.769E+01 999	0.000E+00 999	0.000E+00 999
3	1.778E+01 999	1.778E+01 999	0.000E+00 999	0.000E+00 999
4	1.787E+01 999	1.787E+01 999	0.000E+00 999	0.000E+00 999
5	1.796E+01 999	1.796E+01 999	0.000E+00 999	0.000E+00 999
6	1.805E+01 999	1.805E+01 999	0.000E+00 999	0.000E+00 999
7	1.815E+01 999	1.815E+01 999	0.000E+00 999	0.000E+00 999
8	1.824E+01 999	1.824E+01 999	0.000E+00 999	0.000E+00 999
9	1.833E+01 999	1.833E+01 999	0.000E+00 999	0.000E+00 999
10	1.842E+01 999	1.842E+01 999	0.000E+00 999	0.000E+00 999
11	1.851E+01 999	1.851E+01 999	0.000E+00 999	0.000E+00 999
12	1.860E+01 999	1.860E+01 999	0.000E+00 999	0.000E+00 999
13	1.869E+01 999	1.869E+01 999	0.000E+00 999	0.000E+00 999
14	1.878E+01 999	1.878E+01 999	0.000E+00 999	0.000E+00 999
15	1.887E+01 999	1.887E+01 999	0.000E+00 999	0.000E+00 999
16	1.897E+01 999	1.897E+01 999	0.000E+00 999	0.000E+00 999
17	1.906E+01 999	1.906E+01 999	0.000E+00 999	0.000E+00 999
18	1.915E+01 999	1.915E+01 999	0.000E+00 999	0.000E+00 999
19	1.924E+01 999	1.924E+01 999	0.000E+00 999	0.000E+00 999
20	1.933E+01 999	1.933E+01 999	0.000E+00 999	0.000E+00 999
21	1.942E+01 999	1.942E+01 999	0.000E+00 999	0.000E+00 999
22	1.951E+01 999	1.951E+01 999	0.000E+00 999	0.000E+00 999
23	1.960E+01 999	1.960E+01 999	0.000E+00 999	0.000E+00 999
24	1.969E+01 999	1.969E+01 999	0.000E+00 999	0.000E+00 999
25	1.978E+01 999	1.978E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	1.988E+01 999	1.988E+01 999	0.000E+00 999	0.000E+00 999
27	1.997E+01 999	1.997E+01 999	0.000E+00 999	0.000E+00 999
28	2.006E+01 999	2.006E+01 999	0.000E+00 999	0.000E+00 999
29	2.015E+01 999	2.015E+01 999	0.000E+00 999	0.000E+00 999
30	2.024E+01 999	2.024E+01 999	0.000E+00 999	0.000E+00 999
31	2.033E+01 999	2.033E+01 999	0.000E+00 999	0.000E+00 999
32	2.042E+01 999	2.042E+01 999	0.000E+00 999	0.000E+00 999
33	2.051E+01 999	2.051E+01 999	0.000E+00 999	0.000E+00 999
34	2.060E+01 999	2.060E+01 999	0.000E+00 999	0.000E+00 999
35	2.069E+01 999	2.069E+01 999	0.000E+00 999	0.000E+00 999
36	2.078E+01 999	2.078E+01 999	0.000E+00 999	0.000E+00 999
37	2.088E+01 999	2.088E+01 999	0.000E+00 999	0.000E+00 999
38	2.097E+01 999	2.097E+01 999	0.000E+00 999	0.000E+00 999
39	2.106E+01 999	2.106E+01 999	0.000E+00 999	0.000E+00 999
40	2.115E+01 999	2.115E+01 999	0.000E+00 999	0.000E+00 999
41	2.124E+01 999	2.124E+01 999	0.000E+00 999	0.000E+00 999
42	2.133E+01 999	2.133E+01 999	0.000E+00 999	0.000E+00 999
43	2.142E+01 999	2.142E+01 999	0.000E+00 999	0.000E+00 999
44	2.151E+01 999	2.151E+01 999	0.000E+00 999	0.000E+00 999
45	2.160E+01 999	2.160E+01 999	0.000E+00 999	0.000E+00 999
46	2.169E+01 999	2.169E+01 999	0.000E+00 999	0.000E+00 999
47	2.179E+01 999	2.179E+01 999	0.000E+00 999	0.000E+00 999
48	2.188E+01 999	2.188E+01 999	0.000E+00 999	0.000E+00 999
49	2.197E+01 999	2.197E+01 999	0.000E+00 999	0.000E+00 999
50	2.206E+01 999	2.206E+01 999	0.000E+00 999	0.000E+00 999
51	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
53	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
54	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
55	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
56	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
57	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
58	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
59	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
60	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
61	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
62	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
63	2.210E+01 999	2.210E+01 999	0.000E+00 999	0.000E+00 999
64	-1.200E+03 999	-1.200E+03 999	-2.210E+01 999	-2.210E+01 999
65	-1.222E+03 999	-1.222E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED



TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 18 Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	4.490E+01	0.000E+00	3.843E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	4.500E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF                    HIGHWAY   PD-        CONTROL-        CODED  
 NO            COUNTY        NO        IPE    SECTION-JOB        BY        DATE  
           Any                    Any    XXXX    XXXX-XX-XXX    Brg    06-18-2010        (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 18            Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	2.151E-01		0.000E+00		0.000E+00
			-7.704E-03		1.921E+03	
0	0.000E+00	2.074E-01		1.921E+03		0.000E+00
			-7.591E-03		1.966E+03	
1	1.000E+00	1.998E-01		3.899E+03		0.000E+00
			-7.477E-03		4.497E+01	
2	2.000E+00	1.923E-01		3.956E+03		0.000E+00
			-7.360E-03		4.501E+01	
3	3.000E+00	1.849E-01		4.013E+03		0.000E+00
			-7.242E-03		4.506E+01	
4	4.000E+00	1.777E-01		4.069E+03		0.000E+00
			-7.122E-03		4.510E+01	
5	5.000E+00	1.706E-01		4.126E+03		0.000E+00
			-7.001E-03		4.515E+01	
6	6.000E+00	1.636E-01		4.182E+03		0.000E+00
			-6.878E-03		4.519E+01	
7	7.000E+00	1.567E-01		4.238E+03		0.000E+00
			-6.753E-03		4.524E+01	
8	8.000E+00	1.499E-01		4.294E+03		0.000E+00
			-6.627E-03		4.528E+01	
9	9.000E+00	1.433E-01		4.349E+03		0.000E+00
			-6.499E-03		4.533E+01	
10	1.000E+01	1.368E-01		4.405E+03		0.000E+00
			-6.369E-03		4.537E+01	
11	1.100E+01	1.304E-01		4.460E+03		0.000E+00
			-6.238E-03		4.542E+01	
12	1.200E+01	1.242E-01		4.516E+03		0.000E+00
			-6.105E-03		4.546E+01	
13	1.300E+01	1.181E-01		4.571E+03		0.000E+00
			-5.971E-03		4.551E+01	
14	1.400E+01	1.121E-01		4.626E+03		0.000E+00
			-5.834E-03		4.555E+01	
15	1.500E+01	1.063E-01		4.680E+03		0.000E+00
			-5.697E-03		4.560E+01	
16	1.600E+01	1.006E-01		4.735E+03		0.000E+00
			-5.557E-03		4.564E+01	
17	1.700E+01	9.503E-02		4.789E+03		0.000E+00
			-5.416E-03		4.569E+01	
18	1.800E+01	8.962E-02		4.844E+03		0.000E+00
			-5.274E-03		4.573E+01	
19	1.900E+01	8.434E-02		4.898E+03		0.000E+00
			-5.130E-03		4.578E+01	
20	2.000E+01	7.922E-02		4.952E+03		0.000E+00
			-4.984E-03		4.582E+01	
21	2.100E+01	7.423E-02		5.005E+03		0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	6.939E-02	-4.837E-03	5.059E+03	4.587E+01	0.000E+00
23	2.300E+01	6.471E-02	-4.688E-03	5.112E+03	4.591E+01	0.000E+00
24	2.400E+01	6.017E-02	-4.537E-03	5.165E+03	4.596E+01	0.000E+00
25	2.500E+01	5.578E-02	-4.385E-03	5.218E+03	4.600E+01	0.000E+00
26	2.600E+01	5.155E-02	-4.232E-03	5.271E+03	4.605E+01	0.000E+00
27	2.700E+01	4.748E-02	-4.077E-03	5.323E+03	4.609E+01	0.000E+00
28	2.800E+01	4.356E-02	-3.920E-03	5.376E+03	4.614E+01	0.000E+00
29	2.900E+01	3.979E-02	-3.762E-03	5.428E+03	4.618E+01	0.000E+00
30	3.000E+01	3.619E-02	-3.602E-03	5.480E+03	4.623E+01	0.000E+00
31	3.100E+01	3.275E-02	-3.441E-03	5.531E+03	4.627E+01	0.000E+00
32	3.200E+01	2.947E-02	-3.278E-03	5.583E+03	4.632E+01	0.000E+00
33	3.300E+01	2.636E-02	-3.114E-03	5.634E+03	4.636E+01	0.000E+00
34	3.400E+01	2.341E-02	-2.948E-03	5.685E+03	4.641E+01	0.000E+00
35	3.500E+01	2.063E-02	-2.781E-03	5.736E+03	4.645E+01	0.000E+00
36	3.600E+01	1.802E-02	-2.612E-03	5.787E+03	4.650E+01	0.000E+00
37	3.700E+01	1.558E-02	-2.442E-03	5.837E+03	4.654E+01	0.000E+00
38	3.800E+01	1.331E-02	-2.270E-03	5.887E+03	4.659E+01	0.000E+00
39	3.900E+01	1.121E-02	-2.096E-03	5.937E+03	4.663E+01	0.000E+00
40	4.000E+01	9.289E-03	-1.922E-03	5.987E+03	4.668E+01	0.000E+00
41	4.100E+01	7.544E-03	-1.746E-03	6.036E+03	4.672E+01	0.000E+00
42	4.200E+01	5.976E-03	-1.568E-03	6.086E+03	4.677E+01	0.000E+00
43	4.300E+01	4.587E-03	-1.389E-03	6.135E+03	4.681E+01	0.000E+00
44	4.400E+01	3.379E-03	-1.208E-03	6.183E+03	4.686E+01	0.000E+00
45	4.500E+01	2.352E-03	-1.026E-03	6.232E+03	4.690E+01	0.000E+00
46	4.600E+01	1.509E-03	-8.429E-04	6.280E+03	4.695E+01	0.000E+00
47	4.700E+01	8.513E-04	-6.581E-04	6.328E+03	4.699E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.795E-04	-4.719E-04	6.376E+03	4.704E+01	0.000E+00
49	4.900E+01	9.521E-05	-2.842E-04	6.423E+03	4.708E+01	0.000E+00
50	5.000E+01	0.000E+00	-9.521E-05	3.235E+03	-3.188E+03	-4.715E+01
51	5.100E+01	9.521E-05	9.521E-05	0.000E+00	-3.235E+03	0.000E+00

PROB (CONTD)

18 Live Load Case B, Water Case 1, 45 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	2.151E-01	999		2.151E-01	0		0.000E+00	999		0.000E+00	999	
0	2.074E-01	999		2.074E-01	0		1.921E+03	999		1.921E+03	999	
1	1.998E-01	0		1.998E-01	999		3.899E+03	999		3.899E+03	999	
2	1.923E-01	0		1.923E-01	999		3.956E+03	999		3.956E+03	999	
3	1.849E-01	999		1.849E-01	0		4.013E+03	999		4.013E+03	999	
4	1.777E-01	999		1.777E-01	0		4.069E+03	999		4.069E+03	999	
5	1.706E-01	0		1.706E-01	999		4.126E+03	999		4.126E+03	999	
6	1.636E-01	999		1.636E-01	0		4.182E+03	999		4.182E+03	999	
7	1.567E-01	0		1.567E-01	999		4.238E+03	999		4.238E+03	999	
8	1.499E-01	0		1.499E-01	999		4.294E+03	999		4.294E+03	999	
9	1.433E-01	999		1.433E-01	0		4.349E+03	999		4.349E+03	999	
10	1.368E-01	0		1.368E-01	999		4.405E+03	999		4.405E+03	999	
11	1.304E-01	0		1.304E-01	999		4.460E+03	999		4.460E+03	999	
12	1.242E-01	0		1.242E-01	999		4.516E+03	999		4.516E+03	999	
13	1.181E-01	0		1.181E-01	999		4.571E+03	999		4.571E+03	999	
14	1.121E-01	999		1.121E-01	0		4.626E+03	999		4.626E+03	999	
15	1.063E-01	999		1.063E-01	0		4.680E+03	999		4.680E+03	999	
16	1.006E-01	0		1.006E-01	999		4.735E+03	999		4.735E+03	999	
17	9.503E-02	999		9.503E-02	0		4.789E+03	999		4.789E+03	999	
18	8.962E-02	999		8.962E-02	0		4.844E+03	999		4.844E+03	999	
19	8.434E-02	0		8.434E-02	999		4.898E+03	999		4.898E+03	999	
20	7.922E-02	0		7.922E-02	999		4.952E+03	999		4.952E+03	999	
21	7.423E-02	0		7.423E-02	999		5.005E+03	999		5.005E+03	999	
22	6.939E-02	999		6.939E-02	0		5.059E+03	999		5.059E+03	999	
23	6.471E-02	0		6.471E-02	999		5.112E+03	999		5.112E+03	999	
24	6.017E-02	999		6.017E-02	0		5.165E+03	999		5.165E+03	999	
25	5.578E-02	0		5.578E-02	999		5.218E+03	999		5.218E+03	999	
26	5.155E-02	0		5.155E-02	999		5.271E+03	999		5.271E+03	999	
27	4.748E-02	0		4.748E-02	999		5.323E+03	999		5.323E+03	999	
28	4.356E-02	0		4.356E-02	999		5.376E+03	999		5.376E+03	999	
29	3.979E-02	0		3.979E-02	999		5.428E+03	999		5.428E+03	999	
30	3.619E-02	999		3.619E-02	0		5.480E+03	999		5.480E+03	999	
31	3.275E-02	999		3.275E-02	0		5.531E+03	999		5.531E+03	999	
32	2.947E-02	999		2.947E-02	0		5.583E+03	999		5.583E+03	999	
33	2.636E-02	0		2.636E-02	999		5.634E+03	999		5.634E+03	999	
34	2.341E-02	999		2.341E-02	0		5.685E+03	999		5.685E+03	999	
35	2.063E-02	999		2.063E-02	0		5.736E+03	999		5.736E+03	999	
36	1.802E-02	0		1.802E-02	999		5.787E+03	999		5.787E+03	999	
37	1.558E-02	999		1.558E-02	0		5.837E+03	999		5.837E+03	999	
38	1.331E-02	999		1.331E-02	0		5.887E+03	999		5.887E+03	999	
39	1.121E-02	999		1.121E-02	0		5.937E+03	999		5.937E+03	999	
40	9.289E-03	0		9.289E-03	999		5.987E+03	999		5.987E+03	999	
41	7.544E-03	999		7.544E-03	0		6.036E+03	999		6.036E+03	999	
42	5.976E-03	999		5.976E-03	0		6.086E+03	999		6.086E+03	999	
43	4.587E-03	999		4.587E-03	0		6.135E+03	999		6.135E+03	999	
44	3.379E-03	0		3.379E-03	999		6.183E+03	999		6.183E+03	999	
45	2.352E-03	999		2.352E-03	0		6.232E+03	999		6.232E+03	999	
46	1.509E-03	0		1.509E-03	999		6.280E+03	999		6.280E+03	999	



TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	8.513E-04		0	8.513E-04		999	6.328E+03		999	6.328E+03		999
48	3.795E-04		999	3.795E-04		0	6.376E+03		999	6.376E+03		999
49	9.521E-05		999	9.521E-05		0	6.423E+03		999	6.423E+03		999
50	0.000E+00		999	0.000E+00		999	3.235E+03		999	3.235E+03		999
51	9.521E-05		999	9.521E-05		0	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.921E+03 999	1.921E+03 999	0.000E+00 999	0.000E+00 999
0	1.966E+03 999	1.966E+03 999	0.000E+00 999	0.000E+00 999
1	4.497E+01 999	4.497E+01 999	0.000E+00 999	0.000E+00 999
2	4.501E+01 999	4.501E+01 999	0.000E+00 999	0.000E+00 999
3	4.506E+01 999	4.506E+01 999	0.000E+00 999	0.000E+00 999
4	4.510E+01 999	4.510E+01 999	0.000E+00 999	0.000E+00 999
5	4.515E+01 999	4.515E+01 999	0.000E+00 999	0.000E+00 999
6	4.519E+01 999	4.519E+01 999	0.000E+00 999	0.000E+00 999
7	4.524E+01 999	4.524E+01 999	0.000E+00 999	0.000E+00 999
8	4.528E+01 999	4.528E+01 999	0.000E+00 999	0.000E+00 999
9	4.533E+01 999	4.533E+01 999	0.000E+00 999	0.000E+00 999
10	4.537E+01 999	4.537E+01 999	0.000E+00 999	0.000E+00 999
11	4.542E+01 999	4.542E+01 999	0.000E+00 999	0.000E+00 999
12	4.546E+01 999	4.546E+01 999	0.000E+00 999	0.000E+00 999
13	4.551E+01 999	4.551E+01 999	0.000E+00 999	0.000E+00 999
14	4.555E+01 999	4.555E+01 999	0.000E+00 999	0.000E+00 999
15	4.560E+01 999	4.560E+01 999	0.000E+00 999	0.000E+00 999
16	4.564E+01 999	4.564E+01 999	0.000E+00 999	0.000E+00 999
17	4.569E+01 999	4.569E+01 999	0.000E+00 999	0.000E+00 999
18	4.573E+01 999	4.573E+01 999	0.000E+00 999	0.000E+00 999
19	4.578E+01 999	4.578E+01 999	0.000E+00 999	0.000E+00 999
20	4.582E+01 999	4.582E+01 999	0.000E+00 999	0.000E+00 999
21	4.587E+01 999	4.587E+01 999	0.000E+00 999	0.000E+00 999
22	4.591E+01 999	4.591E+01 999	0.000E+00 999	0.000E+00 999
23	4.596E+01 999	4.596E+01 999	0.000E+00 999	0.000E+00 999
24	4.600E+01 999	4.600E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	4.605E+01 999	4.605E+01 999	0.000E+00 999	0.000E+00 999
27	4.609E+01 999	4.609E+01 999	0.000E+00 999	0.000E+00 999
28	4.614E+01 999	4.614E+01 999	0.000E+00 999	0.000E+00 999
29	4.618E+01 999	4.618E+01 999	0.000E+00 999	0.000E+00 999
30	4.623E+01 999	4.623E+01 999	0.000E+00 999	0.000E+00 999
31	4.627E+01 999	4.627E+01 999	0.000E+00 999	0.000E+00 999
32	4.632E+01 999	4.632E+01 999	0.000E+00 999	0.000E+00 999
33	4.636E+01 999	4.636E+01 999	0.000E+00 999	0.000E+00 999
34	4.641E+01 999	4.641E+01 999	0.000E+00 999	0.000E+00 999
35	4.645E+01 999	4.645E+01 999	0.000E+00 999	0.000E+00 999
36	4.650E+01 999	4.650E+01 999	0.000E+00 999	0.000E+00 999
37	4.654E+01 999	4.654E+01 999	0.000E+00 999	0.000E+00 999
38	4.659E+01 999	4.659E+01 999	0.000E+00 999	0.000E+00 999
39	4.663E+01 999	4.663E+01 999	0.000E+00 999	0.000E+00 999
40	4.668E+01 999	4.668E+01 999	0.000E+00 999	0.000E+00 999
41	4.672E+01 999	4.672E+01 999	0.000E+00 999	0.000E+00 999
42	4.677E+01 999	4.677E+01 999	0.000E+00 999	0.000E+00 999
43	4.681E+01 999	4.681E+01 999	0.000E+00 999	0.000E+00 999
44	4.686E+01 999	4.686E+01 999	0.000E+00 999	0.000E+00 999
45	4.690E+01 999	4.690E+01 999	0.000E+00 999	0.000E+00 999
46	4.695E+01 999	4.695E+01 999	0.000E+00 999	0.000E+00 999
47	4.699E+01 999	4.699E+01 999	0.000E+00 999	0.000E+00 999
48	4.704E+01 999	4.704E+01 999	0.000E+00 999	0.000E+00 999
49	4.708E+01 999	4.708E+01 999	0.000E+00 999	0.000E+00 999
50	-3.188E+03 999	-3.188E+03 999	-4.715E+01 999	-4.715E+01 999
51	-3.235E+03 999	-3.235E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS	TABLE NUMBER				
		2	3	4	5	6
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0	0
NUM CARDS INPUT THIS PROBLEM		1	2	3	0	0
		DEFL	MOM	SHR	RCT	
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0	

TABLE 2 - CONSTANTS

NUM INCREMENTS	64
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
0	1	3.870E-01	NONE
64	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	R	P
0	0	0	0.000E+00	2.310E+01	0.000E+00	5.502E+02	0.000E+00	-1.577E+03
0	50	0	8.496E+06	1.110E-01	0.000E+00	0.000E+00	0.000E+00	-1.577E+03
50	64	0	1.222E+07	0.000E+00	0.000E+00	0.000E+00	0.000E+00	-1.577E+03

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
 ( SHEAR IS COMPUTED ONE HALF INCREMENT  
 TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
 NO COUNTY NO IPE SECTION-JOB BY DATE  
 Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
 Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
 19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	3.976E-01		0.000E+00		0.000E+00
0	0.000E+00	3.870E-01	-1.062E-02	2.751E+02	2.751E+02	-6.411E+00
1	1.000E+00	3.764E-01	-1.056E-02	5.836E+02	2.918E+02	0.000E+00
2	2.000E+00	3.660E-01	-1.049E-02	6.170E+02	1.686E+01	0.000E+00
3	3.000E+00	3.660E-01	-1.042E-02	6.170E+02	1.697E+01	0.000E+00
4	4.000E+00	3.555E-01	-1.042E-02	6.504E+02	1.708E+01	0.000E+00
5	4.000E+00	3.452E-01	-1.034E-02	6.837E+02	1.708E+01	0.000E+00
6	5.000E+00	3.452E-01	-1.026E-02	7.171E+02	1.719E+01	0.000E+00
7	6.000E+00	3.349E-01	-1.017E-02	7.505E+02	1.730E+01	0.000E+00
8	7.000E+00	3.248E-01	-1.009E-02	7.838E+02	1.741E+01	0.000E+00
9	8.000E+00	3.147E-01	-9.993E-03	8.170E+02	1.752E+01	0.000E+00
10	9.000E+00	3.047E-01	-9.897E-03	8.503E+02	1.763E+01	0.000E+00
11	1.000E+01	2.948E-01	-9.797E-03	8.835E+02	1.774E+01	0.000E+00
12	1.100E+01	2.850E-01	-9.693E-03	9.166E+02	1.785E+01	0.000E+00
13	1.200E+01	2.753E-01	-9.585E-03	9.497E+02	1.797E+01	0.000E+00
14	1.300E+01	2.657E-01	-9.473E-03	9.827E+02	1.808E+01	0.000E+00
15	1.400E+01	2.562E-01	-9.357E-03	1.016E+03	1.819E+01	0.000E+00
16	1.500E+01	2.469E-01	-9.238E-03	1.049E+03	1.830E+01	0.000E+00
17	1.600E+01	2.377E-01	-9.114E-03	1.081E+03	1.841E+01	0.000E+00
18	1.700E+01	2.285E-01	-8.987E-03	1.114E+03	1.852E+01	0.000E+00
19	1.800E+01	2.196E-01	-8.856E-03	1.147E+03	1.863E+01	0.000E+00
20	1.900E+01	2.107E-01	-8.721E-03	1.179E+03	1.874E+01	0.000E+00
21	2.000E+01	2.020E-01	-8.582E-03	1.211E+03	1.885E+01	0.000E+00
22	2.100E+01	1.934E-01	-8.440E-03	1.244E+03	1.896E+01	0.000E+00
23	2.100E+01	1.850E-01				0.000E+00



TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	1.767E-01	-8.293E-03	1.276E+03	1.908E+01	0.000E+00
23	2.300E+01	1.685E-01	-8.143E-03	1.308E+03	1.919E+01	0.000E+00
24	2.400E+01	1.605E-01	-7.989E-03	1.340E+03	1.930E+01	0.000E+00
25	2.500E+01	1.527E-01	-7.832E-03	1.372E+03	1.941E+01	0.000E+00
26	2.600E+01	1.450E-01	-7.670E-03	1.403E+03	1.952E+01	0.000E+00
27	2.700E+01	1.375E-01	-7.505E-03	1.435E+03	1.963E+01	0.000E+00
28	2.800E+01	1.302E-01	-7.336E-03	1.466E+03	1.974E+01	0.000E+00
29	2.900E+01	1.230E-01	-7.164E-03	1.497E+03	1.985E+01	0.000E+00
30	3.000E+01	1.160E-01	-6.987E-03	1.528E+03	1.996E+01	0.000E+00
31	3.100E+01	1.092E-01	-6.807E-03	1.559E+03	2.007E+01	0.000E+00
32	3.200E+01	1.026E-01	-6.624E-03	1.590E+03	2.019E+01	0.000E+00
33	3.300E+01	9.616E-02	-6.437E-03	1.620E+03	2.030E+01	0.000E+00
34	3.400E+01	8.992E-02	-6.246E-03	1.650E+03	2.041E+01	0.000E+00
35	3.500E+01	8.387E-02	-6.052E-03	1.680E+03	2.052E+01	0.000E+00
36	3.600E+01	7.801E-02	-5.854E-03	1.710E+03	2.063E+01	0.000E+00
37	3.700E+01	7.236E-02	-5.653E-03	1.740E+03	2.074E+01	0.000E+00
38	3.800E+01	6.691E-02	-5.448E-03	1.769E+03	2.085E+01	0.000E+00
39	3.900E+01	6.167E-02	-5.240E-03	1.798E+03	2.096E+01	0.000E+00
40	4.000E+01	5.664E-02	-5.028E-03	1.827E+03	2.107E+01	0.000E+00
41	4.100E+01	5.183E-02	-4.813E-03	1.856E+03	2.118E+01	0.000E+00
42	4.200E+01	4.723E-02	-4.595E-03	1.885E+03	2.130E+01	0.000E+00
43	4.300E+01	4.286E-02	-4.373E-03	1.913E+03	2.141E+01	0.000E+00
44	4.400E+01	3.871E-02	-4.148E-03	1.941E+03	2.152E+01	0.000E+00
45	4.500E+01	3.479E-02	-3.919E-03	1.969E+03	2.163E+01	0.000E+00
46	4.600E+01	3.111E-02	-3.687E-03	1.996E+03	2.174E+01	0.000E+00
47	4.700E+01	2.765E-02	-3.452E-03	2.024E+03	2.185E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	2.444E-02	-3.214E-03	2.051E+03	2.196E+01	0.000E+00
49	4.900E+01	2.147E-02	-2.973E-03	2.078E+03	2.207E+01	0.000E+00
50	5.000E+01	1.874E-02	-2.728E-03	2.104E+03	2.218E+01	0.000E+00
51	5.100E+01	1.621E-02	-2.525E-03	2.130E+03	2.224E+01	0.000E+00
52	5.200E+01	1.386E-02	-2.351E-03	2.156E+03	2.224E+01	0.000E+00
53	5.300E+01	1.169E-02	-2.174E-03	2.182E+03	2.224E+01	0.000E+00
54	5.400E+01	9.693E-03	-1.996E-03	2.207E+03	2.224E+01	0.000E+00
55	5.500E+01	7.878E-03	-1.815E-03	2.232E+03	2.224E+01	0.000E+00
56	5.600E+01	6.245E-03	-1.633E-03	2.257E+03	2.224E+01	0.000E+00
57	5.700E+01	4.797E-03	-1.448E-03	2.282E+03	2.224E+01	0.000E+00
58	5.800E+01	3.536E-03	-1.261E-03	2.306E+03	2.224E+01	0.000E+00
59	5.900E+01	2.464E-03	-1.072E-03	2.330E+03	2.224E+01	0.000E+00
60	6.000E+01	1.582E-03	-8.818E-04	2.353E+03	2.224E+01	0.000E+00
61	6.100E+01	8.930E-04	-6.892E-04	2.377E+03	2.224E+01	0.000E+00
62	6.200E+01	3.983E-04	-4.947E-04	2.400E+03	2.224E+01	0.000E+00
63	6.300E+01	1.000E-04	-2.983E-04	2.423E+03	2.224E+01	0.000E+00
64	6.400E+01	0.000E+00	-1.000E-04	1.222E+03	-1.200E+03	-2.224E+01
65	6.500E+01	1.000E-04	1.000E-04	0.000E+00	-1.222E+03	0.000E+00

PROB (CONTD)

19 Live Load Case B, Water Case 1, 60 Wind Skew - about x-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	3.976E-01		0	3.976E-01		999	0.000E+00		999	0.000E+00		999
0	3.870E-01		999	3.870E-01		999	2.751E+02		999	2.751E+02		999
1	3.764E-01		999	3.764E-01		0	5.836E+02		999	5.836E+02		999
2	3.660E-01		999	3.660E-01		0	6.170E+02		999	6.170E+02		999
3	3.555E-01		999	3.555E-01		0	6.504E+02		999	6.504E+02		999
4	3.452E-01		999	3.452E-01		0	6.837E+02		999	6.837E+02		999
5	3.349E-01		999	3.349E-01		0	7.171E+02		999	7.171E+02		999
6	3.248E-01		0	3.248E-01		999	7.505E+02		999	7.505E+02		999
7	3.147E-01		0	3.147E-01		999	7.838E+02		999	7.838E+02		999
8	3.047E-01		999	3.047E-01		0	8.170E+02		999	8.170E+02		999
9	2.948E-01		0	2.948E-01		999	8.503E+02		999	8.503E+02		999
10	2.850E-01		999	2.850E-01		0	8.835E+02		999	8.835E+02		999
11	2.753E-01		999	2.753E-01		0	9.166E+02		999	9.166E+02		999
12	2.657E-01		0	2.657E-01		999	9.497E+02		999	9.497E+02		999
13	2.562E-01		0	2.562E-01		999	9.827E+02		999	9.827E+02		999
14	2.469E-01		999	2.469E-01		0	1.016E+03		999	1.016E+03		999
15	2.377E-01		0	2.377E-01		999	1.049E+03		999	1.049E+03		999
16	2.285E-01		0	2.285E-01		999	1.081E+03		999	1.081E+03		999
17	2.196E-01		0	2.196E-01		999	1.114E+03		999	1.114E+03		999
18	2.107E-01		0	2.107E-01		999	1.147E+03		999	1.147E+03		999
19	2.020E-01		999	2.020E-01		0	1.179E+03		999	1.179E+03		999
20	1.934E-01		999	1.934E-01		0	1.211E+03		999	1.211E+03		999
21	1.850E-01		999	1.850E-01		0	1.244E+03		999	1.244E+03		999
22	1.767E-01		0	1.767E-01		999	1.276E+03		999	1.276E+03		999
23	1.685E-01		0	1.685E-01		999	1.308E+03		999	1.308E+03		999
24	1.605E-01		0	1.605E-01		999	1.340E+03		999	1.340E+03		999
25	1.527E-01		0	1.527E-01		999	1.372E+03		999	1.372E+03		999
26	1.450E-01		0	1.450E-01		999	1.403E+03		999	1.403E+03		999
27	1.375E-01		0	1.375E-01		999	1.435E+03		999	1.435E+03		999
28	1.302E-01		999	1.302E-01		0	1.466E+03		999	1.466E+03		999
29	1.230E-01		999	1.230E-01		0	1.497E+03		999	1.497E+03		999
30	1.160E-01		999	1.160E-01		0	1.528E+03		999	1.528E+03		999
31	1.092E-01		0	1.092E-01		999	1.559E+03		999	1.559E+03		999
32	1.026E-01		999	1.026E-01		0	1.590E+03		999	1.590E+03		999
33	9.616E-02		999	9.616E-02		0	1.620E+03		999	1.620E+03		999
34	8.992E-02		0	8.992E-02		999	1.650E+03		999	1.650E+03		999
35	8.387E-02		0	8.387E-02		999	1.680E+03		999	1.680E+03		999
36	7.801E-02		0	7.801E-02		999	1.710E+03		999	1.710E+03		999
37	7.236E-02		0	7.236E-02		999	1.740E+03		999	1.740E+03		999
38	6.691E-02		999	6.691E-02		0	1.769E+03		999	1.769E+03		999
39	6.167E-02		0	6.167E-02		999	1.798E+03		999	1.798E+03		999
40	5.664E-02		0	5.664E-02		999	1.827E+03		999	1.827E+03		999
41	5.183E-02		0	5.183E-02		999	1.856E+03		999	1.856E+03		999
42	4.723E-02		999	4.723E-02		0	1.885E+03		999	1.885E+03		999
43	4.286E-02		0	4.286E-02		999	1.913E+03		999	1.913E+03		999
44	3.871E-02		999	3.871E-02		0	1.941E+03		999	1.941E+03		999
45	3.479E-02		999	3.479E-02		0	1.969E+03		999	1.969E+03		999
46	3.111E-02		0	3.111E-02		999	1.996E+03		999	1.996E+03		999

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	2.765E-02		999	2.765E-02		0	2.024E+03		999	2.024E+03		999
48	2.444E-02		0	2.444E-02		999	2.051E+03		999	2.051E+03		999
49	2.147E-02		0	2.147E-02		999	2.078E+03		999	2.078E+03		999
50	1.874E-02		0	1.874E-02		999	2.104E+03		999	2.104E+03		999
51	1.621E-02		0	1.621E-02		999	2.130E+03		999	2.130E+03		999
52	1.386E-02		0	1.386E-02		999	2.156E+03		999	2.156E+03		999
53	1.169E-02		999	1.169E-02		0	2.182E+03		999	2.182E+03		999
54	9.693E-03		999	9.693E-03		0	2.207E+03		999	2.207E+03		999
55	7.878E-03		999	7.878E-03		0	2.232E+03		999	2.232E+03		999
56	6.245E-03		0	6.245E-03		999	2.257E+03		999	2.257E+03		999
57	4.797E-03		0	4.797E-03		999	2.282E+03		999	2.282E+03		999
58	3.536E-03		999	3.536E-03		0	2.306E+03		999	2.306E+03		999
59	2.464E-03		0	2.464E-03		999	2.330E+03		999	2.330E+03		999
60	1.582E-03		999	1.582E-03		0	2.353E+03		999	2.353E+03		999
61	8.930E-04		0	8.930E-04		999	2.377E+03		999	2.377E+03		999
62	3.983E-04		0	3.983E-04		999	2.400E+03		999	2.400E+03		999
63	1.000E-04		0	1.000E-04		999	2.423E+03		999	2.423E+03		999
64	0.000E+00		999	0.000E+00		999	1.222E+03		999	1.222E+03		999
65	1.000E-04		0	1.000E-04		999	0.000E+00		999	0.000E+00		999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1			0.000E+00 999	0.000E+00 999
0	2.751E+02 999	2.751E+02 999	-6.411E+00 999	-6.411E+00 999
1	2.918E+02 999	2.918E+02 999	0.000E+00 999	0.000E+00 999
2	1.686E+01 999	1.686E+01 999	0.000E+00 999	0.000E+00 999
3	1.697E+01 999	1.697E+01 999	0.000E+00 999	0.000E+00 999
4	1.708E+01 999	1.708E+01 999	0.000E+00 999	0.000E+00 999
5	1.719E+01 999	1.719E+01 999	0.000E+00 999	0.000E+00 999
6	1.730E+01 999	1.730E+01 999	0.000E+00 999	0.000E+00 999
7	1.741E+01 999	1.741E+01 999	0.000E+00 999	0.000E+00 999
8	1.752E+01 999	1.752E+01 999	0.000E+00 999	0.000E+00 999
9	1.763E+01 999	1.763E+01 999	0.000E+00 999	0.000E+00 999
10	1.774E+01 999	1.774E+01 999	0.000E+00 999	0.000E+00 999
11	1.785E+01 999	1.785E+01 999	0.000E+00 999	0.000E+00 999
12	1.797E+01 999	1.797E+01 999	0.000E+00 999	0.000E+00 999
13	1.808E+01 999	1.808E+01 999	0.000E+00 999	0.000E+00 999
14	1.819E+01 999	1.819E+01 999	0.000E+00 999	0.000E+00 999
15	1.830E+01 999	1.830E+01 999	0.000E+00 999	0.000E+00 999
16	1.841E+01 999	1.841E+01 999	0.000E+00 999	0.000E+00 999
17	1.852E+01 999	1.852E+01 999	0.000E+00 999	0.000E+00 999
18	1.863E+01 999	1.863E+01 999	0.000E+00 999	0.000E+00 999
19	1.874E+01 999	1.874E+01 999	0.000E+00 999	0.000E+00 999
20	1.885E+01 999	1.885E+01 999	0.000E+00 999	0.000E+00 999
21	1.896E+01 999	1.896E+01 999	0.000E+00 999	0.000E+00 999
22	1.908E+01 999	1.908E+01 999	0.000E+00 999	0.000E+00 999
23	1.919E+01 999	1.919E+01 999	0.000E+00 999	0.000E+00 999
24	1.930E+01 999	1.930E+01 999	0.000E+00 999	0.000E+00 999
25	1.941E+01 999	1.941E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	1.952E+01 999	1.952E+01 999	0.000E+00 999	0.000E+00 999
27	1.963E+01 999	1.963E+01 999	0.000E+00 999	0.000E+00 999
28	1.974E+01 999	1.974E+01 999	0.000E+00 999	0.000E+00 999
29	1.985E+01 999	1.985E+01 999	0.000E+00 999	0.000E+00 999
30	1.996E+01 999	1.996E+01 999	0.000E+00 999	0.000E+00 999
31	2.007E+01 999	2.007E+01 999	0.000E+00 999	0.000E+00 999
32	2.019E+01 999	2.019E+01 999	0.000E+00 999	0.000E+00 999
33	2.030E+01 999	2.030E+01 999	0.000E+00 999	0.000E+00 999
34	2.041E+01 999	2.041E+01 999	0.000E+00 999	0.000E+00 999
35	2.052E+01 999	2.052E+01 999	0.000E+00 999	0.000E+00 999
36	2.063E+01 999	2.063E+01 999	0.000E+00 999	0.000E+00 999
37	2.074E+01 999	2.074E+01 999	0.000E+00 999	0.000E+00 999
38	2.085E+01 999	2.085E+01 999	0.000E+00 999	0.000E+00 999
39	2.096E+01 999	2.096E+01 999	0.000E+00 999	0.000E+00 999
40	2.107E+01 999	2.107E+01 999	0.000E+00 999	0.000E+00 999
41	2.118E+01 999	2.118E+01 999	0.000E+00 999	0.000E+00 999
42	2.130E+01 999	2.130E+01 999	0.000E+00 999	0.000E+00 999
43	2.141E+01 999	2.141E+01 999	0.000E+00 999	0.000E+00 999
44	2.152E+01 999	2.152E+01 999	0.000E+00 999	0.000E+00 999
45	2.163E+01 999	2.163E+01 999	0.000E+00 999	0.000E+00 999
46	2.174E+01 999	2.174E+01 999	0.000E+00 999	0.000E+00 999
47	2.185E+01 999	2.185E+01 999	0.000E+00 999	0.000E+00 999
48	2.196E+01 999	2.196E+01 999	0.000E+00 999	0.000E+00 999
49	2.207E+01 999	2.207E+01 999	0.000E+00 999	0.000E+00 999
50	2.218E+01 999	2.218E+01 999	0.000E+00 999	0.000E+00 999
51	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
52	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
53	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
54	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
55	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
56	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
57	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
58	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
59	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
60	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
61	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
62	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
63	2.224E+01 999	2.224E+01 999	0.000E+00 999	0.000E+00 999
64	-1.200E+03 999	-1.200E+03 999	-2.224E+01 999	-2.224E+01 999
65	-1.222E+03 999	-1.222E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED





TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 1 - PROGRAM-CONTROL DATA

	ENVELOPES OF MAXIMUMS					TABLE NUMBER			
	2	3	4	5	6	DEFL	MOM	SHR	RCT
HOLD FROM PRECEDING PROBLEM (1=HOLD)	0	0	0	0	0				
NUM CARDS INPUT THIS PROBLEM	1	1	2	0	0				
OPTION (IF=1) TO PLOT ENVELOPES OF MAXIMUMS		0	0	0	0				

TABLE 2 - CONSTANTS

NUM INCREMENTS	50
INCREMENT LENGTH	1.000E+00
NUMBER OF INCREMENTS FOR MOVABLE LOAD	0
INITIAL POSITION OF MOVABLE LOAD STA ZERO	0
FINAL POSITION OF MOVABLE LOAD STA ZERO	0
NUMBER OF INCREMENTS BETWEEN EACH POSITION OF MOVABLE LOAD	1

TABLE 3 - SPECIFIED DEFLECTIONS AND SLOPES

STA	CASE	DEFLECTION	SLOPE
50	3	0.000E+00	0.000E+00

TABLE 4 - STIFFNESS AND FIXED-LOAD DATA

FROM	TO	CONTD	F	QF	S	T	Q	R	P
0	0	0	0.000E+00	3.580E+01	0.000E+00	3.755E+03	0.000E+00	-1.577E+03	
0	50	0	3.398E+07	3.200E-02	0.000E+00	0.000E+00	0.000E+00	-1.577E+03	

TABLE 5 - MOVABLE-LOAD DATA

FROM	TO	CONTD	QM
			NONE

TABLE 6 - SPECIFIED STATIONS FOR INFLUENCE DIAGRAMS  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION)

NONE

PSF HIGHWAY PD- CONTROL- CODED  
NO COUNTY NO IPE SECTION-JOB BY DATE  
Any Any XXXX XXXX-XX-XXX Brg 06-18-2010 (ft & kips)  
Strength V Load Cases w/ Impact, fixed long. def ~ LRFD Column Design Example,

PROB  
20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
-1	-1.000E+00	1.992E-01		0.000E+00		0.000E+00
0	0.000E+00	1.920E-01	-7.210E-03	1.878E+03	1.878E+03	0.000E+00
1	1.000E+00	1.849E-01	-7.099E-03	3.802E+03	1.914E+03	0.000E+00
2	2.000E+00	1.779E-01	-6.987E-03	3.849E+03	3.585E+01	0.000E+00
3	3.000E+00	1.710E-01	-6.874E-03	3.896E+03	3.588E+01	0.000E+00
4	4.000E+00	1.643E-01	-6.759E-03	3.943E+03	3.591E+01	0.000E+00
5	5.000E+00	1.643E-01	-6.643E-03	3.989E+03	3.594E+01	0.000E+00
6	6.000E+00	1.576E-01	-6.526E-03	3.989E+03	3.598E+01	0.000E+00
7	7.000E+00	1.511E-01	-6.407E-03	4.035E+03	3.601E+01	0.000E+00
8	8.000E+00	1.447E-01	-6.287E-03	4.081E+03	3.604E+01	0.000E+00
9	9.000E+00	1.384E-01	-6.166E-03	4.127E+03	3.604E+01	0.000E+00
10	1.000E+01	1.322E-01	-6.043E-03	4.173E+03	3.607E+01	0.000E+00
11	1.100E+01	1.262E-01	-5.919E-03	4.219E+03	3.610E+01	0.000E+00
12	1.200E+01	1.203E-01	-5.793E-03	4.264E+03	3.614E+01	0.000E+00
13	1.300E+01	1.145E-01	-5.666E-03	4.310E+03	3.617E+01	0.000E+00
14	1.400E+01	1.088E-01	-5.538E-03	4.355E+03	3.620E+01	0.000E+00
15	1.500E+01	1.033E-01	-5.409E-03	4.400E+03	3.623E+01	0.000E+00
16	1.600E+01	9.786E-02	-5.278E-03	4.444E+03	3.626E+01	0.000E+00
17	1.700E+01	9.258E-02	-5.146E-03	4.489E+03	3.630E+01	0.000E+00
18	1.800E+01	8.743E-02	-5.012E-03	4.533E+03	3.633E+01	0.000E+00
19	1.900E+01	8.242E-02	-4.878E-03	4.578E+03	3.636E+01	0.000E+00
20	2.000E+01	7.754E-02	-4.742E-03	4.622E+03	3.639E+01	0.000E+00
21	2.100E+01	7.280E-02	-4.604E-03	4.666E+03	3.642E+01	0.000E+00
22	2.200E+01	6.820E-02		4.709E+03	3.646E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
22	2.200E+01	6.373E-02	-4.466E-03	4.753E+03	3.649E+01	0.000E+00
23	2.300E+01	5.940E-02	-4.326E-03	4.796E+03	3.652E+01	0.000E+00
24	2.400E+01	5.522E-02	-4.185E-03	4.839E+03	3.655E+01	0.000E+00
25	2.500E+01	5.118E-02	-4.042E-03	4.882E+03	3.658E+01	0.000E+00
26	2.600E+01	4.728E-02	-3.899E-03	4.925E+03	3.662E+01	0.000E+00
27	2.700E+01	4.353E-02	-3.754E-03	4.968E+03	3.665E+01	0.000E+00
28	2.800E+01	3.992E-02	-3.607E-03	5.010E+03	3.668E+01	0.000E+00
29	2.900E+01	3.646E-02	-3.460E-03	5.052E+03	3.671E+01	0.000E+00
30	3.000E+01	3.315E-02	-3.311E-03	5.094E+03	3.674E+01	0.000E+00
31	3.100E+01	2.999E-02	-3.161E-03	5.136E+03	3.678E+01	0.000E+00
32	3.200E+01	2.697E-02	-3.010E-03	5.178E+03	3.681E+01	0.000E+00
33	3.300E+01	2.412E-02	-2.858E-03	5.219E+03	3.684E+01	0.000E+00
34	3.400E+01	2.141E-02	-2.704E-03	5.260E+03	3.687E+01	0.000E+00
35	3.500E+01	1.886E-02	-2.550E-03	5.301E+03	3.690E+01	0.000E+00
36	3.600E+01	1.647E-02	-2.394E-03	5.342E+03	3.694E+01	0.000E+00
37	3.700E+01	1.423E-02	-2.236E-03	5.382E+03	3.697E+01	0.000E+00
38	3.800E+01	1.216E-02	-2.078E-03	5.422E+03	3.700E+01	0.000E+00
39	3.900E+01	1.024E-02	-1.918E-03	5.462E+03	3.703E+01	0.000E+00
40	4.000E+01	8.480E-03	-1.758E-03	5.502E+03	3.706E+01	0.000E+00
41	4.100E+01	6.884E-03	-1.596E-03	5.542E+03	3.710E+01	0.000E+00
42	4.200E+01	5.451E-03	-1.433E-03	5.581E+03	3.713E+01	0.000E+00
43	4.300E+01	4.183E-03	-1.268E-03	5.620E+03	3.716E+01	0.000E+00
44	4.400E+01	3.080E-03	-1.103E-03	5.659E+03	3.719E+01	0.000E+00
45	4.500E+01	2.144E-03	-9.363E-04	5.698E+03	3.722E+01	0.000E+00
46	4.600E+01	1.375E-03	-7.687E-04	5.737E+03	3.726E+01	0.000E+00
47	4.700E+01	7.753E-04	-5.998E-04	5.775E+03	3.729E+01	0.000E+00

TABLE 7 - FIXED-LOAD RESULTS

STA I	DIST	DEFL	SLOPE	MOM	SHEAR	SUP REACT
48	4.800E+01	3.455E-04	-4.299E-04	5.813E+03	3.732E+01	0.000E+00
49	4.900E+01	8.664E-05	-2.588E-04	5.851E+03	3.735E+01	0.000E+00
50	5.000E+01	0.000E+00	-8.664E-05	2.944E+03	-2.907E+03	-3.740E+01
51	5.100E+01	8.664E-05	8.664E-05	0.000E+00	-2.944E+03	0.000E+00

PROB (CONTD)

20 Live Load Case B, Water Case 1, 60 Wind Skew - about y-Axis

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
-1	1.992E-01	999		1.992E-01	0		0.000E+00	999		0.000E+00	999	
0	1.920E-01	999		1.920E-01	0		1.878E+03	999		1.878E+03	999	
1	1.849E-01	0		1.849E-01	999		3.802E+03	999		3.802E+03	999	
2	1.779E-01	999		1.779E-01	0		3.849E+03	999		3.849E+03	999	
3	1.710E-01	999		1.710E-01	0		3.896E+03	999		3.896E+03	999	
4	1.643E-01	999		1.643E-01	0		3.943E+03	999		3.943E+03	999	
5	1.576E-01	999		1.576E-01	0		3.989E+03	999		3.989E+03	999	
6	1.511E-01	999		1.511E-01	0		4.035E+03	999		4.035E+03	999	
7	1.447E-01	999		1.447E-01	0		4.081E+03	999		4.081E+03	999	
8	1.384E-01	999		1.384E-01	0		4.127E+03	999		4.127E+03	999	
9	1.322E-01	0		1.322E-01	999		4.173E+03	999		4.173E+03	999	
10	1.262E-01	0		1.262E-01	999		4.219E+03	999		4.219E+03	999	
11	1.203E-01	999		1.203E-01	0		4.264E+03	999		4.264E+03	999	
12	1.145E-01	999		1.145E-01	0		4.310E+03	999		4.310E+03	999	
13	1.088E-01	999		1.088E-01	0		4.355E+03	999		4.355E+03	999	
14	1.033E-01	0		1.033E-01	999		4.400E+03	999		4.400E+03	999	
15	9.786E-02	999		9.786E-02	0		4.444E+03	999		4.444E+03	999	
16	9.258E-02	0		9.258E-02	999		4.489E+03	999		4.489E+03	999	
17	8.743E-02	999		8.743E-02	0		4.533E+03	999		4.533E+03	999	
18	8.242E-02	0		8.242E-02	999		4.578E+03	999		4.578E+03	999	
19	7.754E-02	0		7.754E-02	999		4.622E+03	999		4.622E+03	999	
20	7.280E-02	999		7.280E-02	0		4.666E+03	999		4.666E+03	999	
21	6.820E-02	999		6.820E-02	0		4.709E+03	999		4.709E+03	999	
22	6.373E-02	0		6.373E-02	999		4.753E+03	999		4.753E+03	999	
23	5.940E-02	999		5.940E-02	0		4.796E+03	999		4.796E+03	999	
24	5.522E-02	0		5.522E-02	999		4.839E+03	999		4.839E+03	999	
25	5.118E-02	0		5.118E-02	999		4.882E+03	999		4.882E+03	999	
26	4.728E-02	999		4.728E-02	0		4.925E+03	999		4.925E+03	999	
27	4.353E-02	999		4.353E-02	0		4.968E+03	999		4.968E+03	999	
28	3.992E-02	999		3.992E-02	0		5.010E+03	999		5.010E+03	999	
29	3.646E-02	999		3.646E-02	0		5.052E+03	999		5.052E+03	999	
30	3.315E-02	999		3.315E-02	0		5.094E+03	999		5.094E+03	999	
31	2.999E-02	999		2.999E-02	0		5.136E+03	999		5.136E+03	999	
32	2.697E-02	0		2.697E-02	999		5.178E+03	999		5.178E+03	999	
33	2.412E-02	0		2.412E-02	999		5.219E+03	999		5.219E+03	999	
34	2.141E-02	0		2.141E-02	999		5.260E+03	999		5.260E+03	999	
35	1.886E-02	0		1.886E-02	999		5.301E+03	999		5.301E+03	999	
36	1.647E-02	999		1.647E-02	0		5.342E+03	999		5.342E+03	999	
37	1.423E-02	0		1.423E-02	999		5.382E+03	999		5.382E+03	999	
38	1.216E-02	999		1.216E-02	0		5.422E+03	999		5.422E+03	999	
39	1.024E-02	999		1.024E-02	0		5.462E+03	999		5.462E+03	999	
40	8.480E-03	999		8.480E-03	0		5.502E+03	999		5.502E+03	999	
41	6.884E-03	0		6.884E-03	999		5.542E+03	999		5.542E+03	999	
42	5.451E-03	0		5.451E-03	999		5.581E+03	999		5.581E+03	999	
43	4.183E-03	999		4.183E-03	0		5.620E+03	999		5.620E+03	999	
44	3.080E-03	999		3.080E-03	0		5.659E+03	999		5.659E+03	999	
45	2.144E-03	999		2.144E-03	0		5.698E+03	999		5.698E+03	999	
46	1.375E-03	999		1.375E-03	0		5.737E+03	999		5.737E+03	999	

TABLE 8A- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX	+DEFL	LOC	MAX	-DEFL	LOC	MAX	+MOM	LOC	MAX	-MOM	LOC
47	7.753E-04	999		7.753E-04	0		5.775E+03	999		5.775E+03	999	
48	3.455E-04	999		3.455E-04	0		5.813E+03	999		5.813E+03	999	
49	8.664E-05	999		8.664E-05	0		5.851E+03	999		5.851E+03	999	
50	0.000E+00	999		0.000E+00	999		2.944E+03	999		2.944E+03	999	
51	8.664E-05	999		8.664E-05	0		0.000E+00	999		0.000E+00	999	



TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
-1	1.878E+03 999	1.878E+03 999	0.000E+00 999	0.000E+00 999
0	1.914E+03 999	1.914E+03 999	0.000E+00 999	0.000E+00 999
1	3.585E+01 999	3.585E+01 999	0.000E+00 999	0.000E+00 999
2	3.588E+01 999	3.588E+01 999	0.000E+00 999	0.000E+00 999
3	3.591E+01 999	3.591E+01 999	0.000E+00 999	0.000E+00 999
4	3.594E+01 999	3.594E+01 999	0.000E+00 999	0.000E+00 999
5	3.598E+01 999	3.598E+01 999	0.000E+00 999	0.000E+00 999
6	3.601E+01 999	3.601E+01 999	0.000E+00 999	0.000E+00 999
7	3.604E+01 999	3.604E+01 999	0.000E+00 999	0.000E+00 999
8	3.607E+01 999	3.607E+01 999	0.000E+00 999	0.000E+00 999
9	3.610E+01 999	3.610E+01 999	0.000E+00 999	0.000E+00 999
10	3.614E+01 999	3.614E+01 999	0.000E+00 999	0.000E+00 999
11	3.617E+01 999	3.617E+01 999	0.000E+00 999	0.000E+00 999
12	3.620E+01 999	3.620E+01 999	0.000E+00 999	0.000E+00 999
13	3.623E+01 999	3.623E+01 999	0.000E+00 999	0.000E+00 999
14	3.626E+01 999	3.626E+01 999	0.000E+00 999	0.000E+00 999
15	3.630E+01 999	3.630E+01 999	0.000E+00 999	0.000E+00 999
16	3.633E+01 999	3.633E+01 999	0.000E+00 999	0.000E+00 999
17	3.636E+01 999	3.636E+01 999	0.000E+00 999	0.000E+00 999
18	3.639E+01 999	3.639E+01 999	0.000E+00 999	0.000E+00 999
19	3.642E+01 999	3.642E+01 999	0.000E+00 999	0.000E+00 999
20	3.646E+01 999	3.646E+01 999	0.000E+00 999	0.000E+00 999
21	3.649E+01 999	3.649E+01 999	0.000E+00 999	0.000E+00 999
22	3.652E+01 999	3.652E+01 999	0.000E+00 999	0.000E+00 999
23	3.655E+01 999	3.655E+01 999	0.000E+00 999	0.000E+00 999
24	3.658E+01 999	3.658E+01 999	0.000E+00 999	0.000E+00 999
25			0.000E+00 999	0.000E+00 999

TABLE 8B- ENVELOPES OF MAXIMUMS \* = HELD FROM PRIOR PROBLEM

STA	MAX +SHEAR LOC	MAX -SHEAR LOC	MAX +REACT LOC	MAX -REACT LOC
26	3.662E+01 999	3.662E+01 999	0.000E+00 999	0.000E+00 999
27	3.665E+01 999	3.665E+01 999	0.000E+00 999	0.000E+00 999
28	3.668E+01 999	3.668E+01 999	0.000E+00 999	0.000E+00 999
29	3.671E+01 999	3.671E+01 999	0.000E+00 999	0.000E+00 999
30	3.674E+01 999	3.674E+01 999	0.000E+00 999	0.000E+00 999
31	3.678E+01 999	3.678E+01 999	0.000E+00 999	0.000E+00 999
32	3.681E+01 999	3.681E+01 999	0.000E+00 999	0.000E+00 999
33	3.684E+01 999	3.684E+01 999	0.000E+00 999	0.000E+00 999
34	3.687E+01 999	3.687E+01 999	0.000E+00 999	0.000E+00 999
35	3.690E+01 999	3.690E+01 999	0.000E+00 999	0.000E+00 999
36	3.694E+01 999	3.694E+01 999	0.000E+00 999	0.000E+00 999
37	3.697E+01 999	3.697E+01 999	0.000E+00 999	0.000E+00 999
38	3.700E+01 999	3.700E+01 999	0.000E+00 999	0.000E+00 999
39	3.703E+01 999	3.703E+01 999	0.000E+00 999	0.000E+00 999
40	3.706E+01 999	3.706E+01 999	0.000E+00 999	0.000E+00 999
41	3.710E+01 999	3.710E+01 999	0.000E+00 999	0.000E+00 999
42	3.713E+01 999	3.713E+01 999	0.000E+00 999	0.000E+00 999
43	3.716E+01 999	3.716E+01 999	0.000E+00 999	0.000E+00 999
44	3.719E+01 999	3.719E+01 999	0.000E+00 999	0.000E+00 999
45	3.722E+01 999	3.722E+01 999	0.000E+00 999	0.000E+00 999
46	3.726E+01 999	3.726E+01 999	0.000E+00 999	0.000E+00 999
47	3.729E+01 999	3.729E+01 999	0.000E+00 999	0.000E+00 999
48	3.732E+01 999	3.732E+01 999	0.000E+00 999	0.000E+00 999
49	3.735E+01 999	3.735E+01 999	0.000E+00 999	0.000E+00 999
50	-2.907E+03 999	-2.907E+03 999	-3.740E+01 999	-3.740E+01 999
51	-2.944E+03 999	-2.944E+03 999	0.000E+00 999	0.000E+00 999

TABLE 9 -- SCALES FOR PLOTS OF THE ENVELOPES OF MAXIMUMS

NO PLOTS SPECIFIED

TABLE 10A -- INFLUENCE DIAGRAMS FOR DEFLECTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10B -- INFLUENCE DIAGRAMS FOR MOMENT

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
	NONE				

TABLE 10C -- INFLUENCE DIAGRAMS FOR SHEAR  
( SHEAR IS COMPUTED ONE HALF INCREMENT  
TO THE LEFT OF THE DESIGNATED STATION )

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

TABLE 10D -- INFLUENCE DIAGRAMS FOR SUPPORT REACTION

LOCATION OF LOAD	STA	DESIGNATED STA	STATIONS FOR STA	INFLUENCE STA	DIAGRAMS STA
---------------------	-----	-------------------	---------------------	------------------	-----------------

NONE

## SPColumn Second Order Analysis Output File

```

                oooooo          o
                oo   oo          oo
  oooooo  oooooo  oo          oooooo  oo   oo   oo   oo   o oooooo  o oooooo
oo   o  oo   oo  oo          oo   oo  oo   oo   oo   oo   oo   oo   oo   oo
oo          oo   oo  oo          oo   oo  oo   oo   oo   oo   oo   oo   oo   oo
  oooooo  oo   oo  oo          oo   oo  oo   oo   oo   oo   oo   oo   oo   oo
        oo  oooooo  oo          oo   oo  oo   oo   oo   oo   oo   oo   oo   oo
o   oo  oo   oo  oo   oo  oo   oo  oo   oo  oo   oo   oo   oo   oo   oo   oo
oooooo  oo          oooooo  oooooo  ooo   oooooo o  oo   oo   oo   oo   oo (TM)

```

```

=====
                        spColumn v4.20 (TM)
Computer program for the Strength Design of Reinforced Concrete Sections
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=====

```

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General Information:

```

=====
File Name: u:\LRFD Implementation\Column Design Example\Rev 6_2010\PCACol\Final.col
Project: LRFD Column Design Example
Column: Bent 3 (50ft) Engineer: BRG
Code: ACI 318-02 Units: English

Run Option: Investigation Slenderness: Not considered
Run Axis: Biaxial Column Type: Structural
    
```

Material Properties:

```

=====
f'c = 3.6 ksi fy = 60 ksi
Ec = 3457 ksi Es = 29000 ksi
Ultimate strain = 0.003 in/in
Beta1 = 0.85
    
```

Section:

```

=====
Rectangular: Width = 96 in Depth = 48 in

Gross section area, Ag = 4608 in^2
Ix = 884736 in^4 Iy = 3.53894e+006 in^4
Xo = 0 in Yo = 0 in
    
```

Reinforcement:

```

=====
Bar Set: ASTM A615
Size Diam (in) Area (in^2) Size Diam (in) Area (in^2) Size Diam (in) Area (in^2)
# 3 0.38 0.11 # 4 0.50 0.20 # 5 0.63 0.31
# 6 0.75 0.44 # 7 0.88 0.60 # 8 1.00 0.79
# 9 1.13 1.00 # 10 1.27 1.27 # 11 1.41 1.56
# 14 1.69 2.25 # 18 2.26 4.00
    
```

Confinement: Tied; #3 ties with #10 bars, #4 with larger bars.  
 phi(a) = 0.8, phi(b) = 0.9, phi(c) = 0.65

Layout: Rectangular

Pattern: Sides Different (Cover to longitudinal reinforcement)  
 Total steel area: As = 46.80 in^2 at rho = 1.02%

	Top		Bottom		Left		Right	
Bars	11	#11	11	#11	4	#11	4	#11
Cover(in)	3.75		3.75		3.75		3.75	

Factored Loads and Moments with Corresponding Capacities:

```

=====
    
```

No.	Pu kip	Mux k-ft	Muy k-ft	fMnx k-ft	fMny k-ft	fMn/Mu	Phi	
1	2588.00	1949.00	4919.00	3919.70	9892.76	2.011	0.774	Str I, Case A
2	1652.00	1799.00	6785.00	2987.54	11267.63	1.661	0.900	Str I, Case B
3	1780.00	277.00	5084.00	726.18	13328.14	2.622	0.900	Str III, Case A, 0 deg
4	1892.00	1198.00	3516.00	3571.54	10482.08	2.981	0.854	Str III, Case A, 15 deg
5	1892.00	2088.00	3261.00	4955.78	7739.84	2.373	0.837	Str III, Case A, 30 deg
6	1892.00	2178.00	2628.00	5483.31	6616.22	2.518	0.856	Str III, Case A, 45 deg
7	1892.00	2180.00	1401.00	6495.72	4174.54	2.980	0.900	Str III, Case A, 60 deg
8	1212.00	165.00	4999.00	400.93	12147.08	2.430	0.900	Str III, Case B, 0 deg
9	1324.00	971.00	3462.00	2981.88	10631.60	3.071	0.900	Str III, Case B, 15 deg
10	1324.00	1753.00	3210.00	4505.51	8250.25	2.570	0.900	Str III, Case B, 30 deg

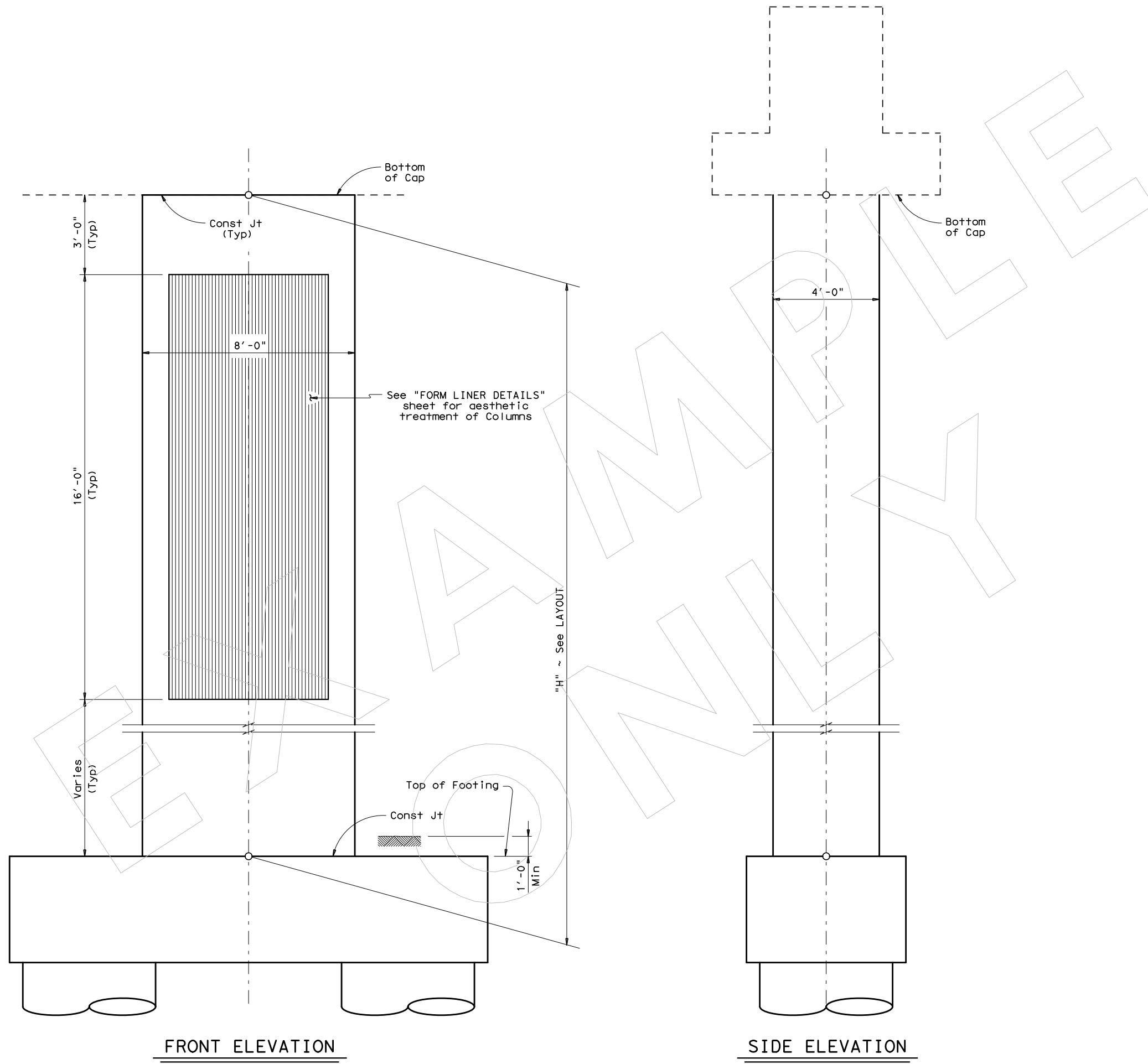


11	1324.00	2199.00	2588.00	5285.84	6220.90	2.404	0.900	Str III, Case B, 45 deg
12	1324.00	2201.00	1380.00	5871.15	3681.14	2.667	0.900	Str III, Case B, 60 deg
13	2429.00	2002.00	5636.00	3682.73	10367.56	1.840	0.795	Str V, Case A, 0 deg
14	2429.00	1998.00	5425.00	3761.59	10213.51	1.883	0.793	Str V, Case A, 15 deg
15	2429.00	1993.00	5305.00	3805.11	10128.50	1.909	0.792	Str V, Case A, 30 deg
16	2429.00	1991.00	5009.00	3929.41	9885.69	1.974	0.789	Str V, Case A, 45 deg
17	2429.00	1989.00	4422.00	4204.69	9347.97	2.114	0.783	Str V, Case A, 60 deg
18	1577.00	1406.00	7035.00	2362.20	11819.43	1.680	0.900	Str V, Case B, 0 deg
19	1577.00	1758.00	6830.00	2899.62	11265.30	1.649	0.900	Str V, Case B, 15 deg
20	1577.00	2107.00	6712.00	3351.03	10674.95	1.590	0.899	Str V, Case B, 30 deg
21	1577.00	2106.00	6423.00	3455.39	10538.46	1.641	0.894	Str V, Case B, 45 deg
22	1577.00	2104.00	5851.00	3654.25	10162.08	1.737	0.887	Str V, Case B, 60 deg

\*\*\* End of output \*\*\*

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LEVELS DISPLAYED	ACC:
1	



FRONT ELEVATION

SIDE ELEVATION

HL-93 LOADING SHEET 1 OF 3

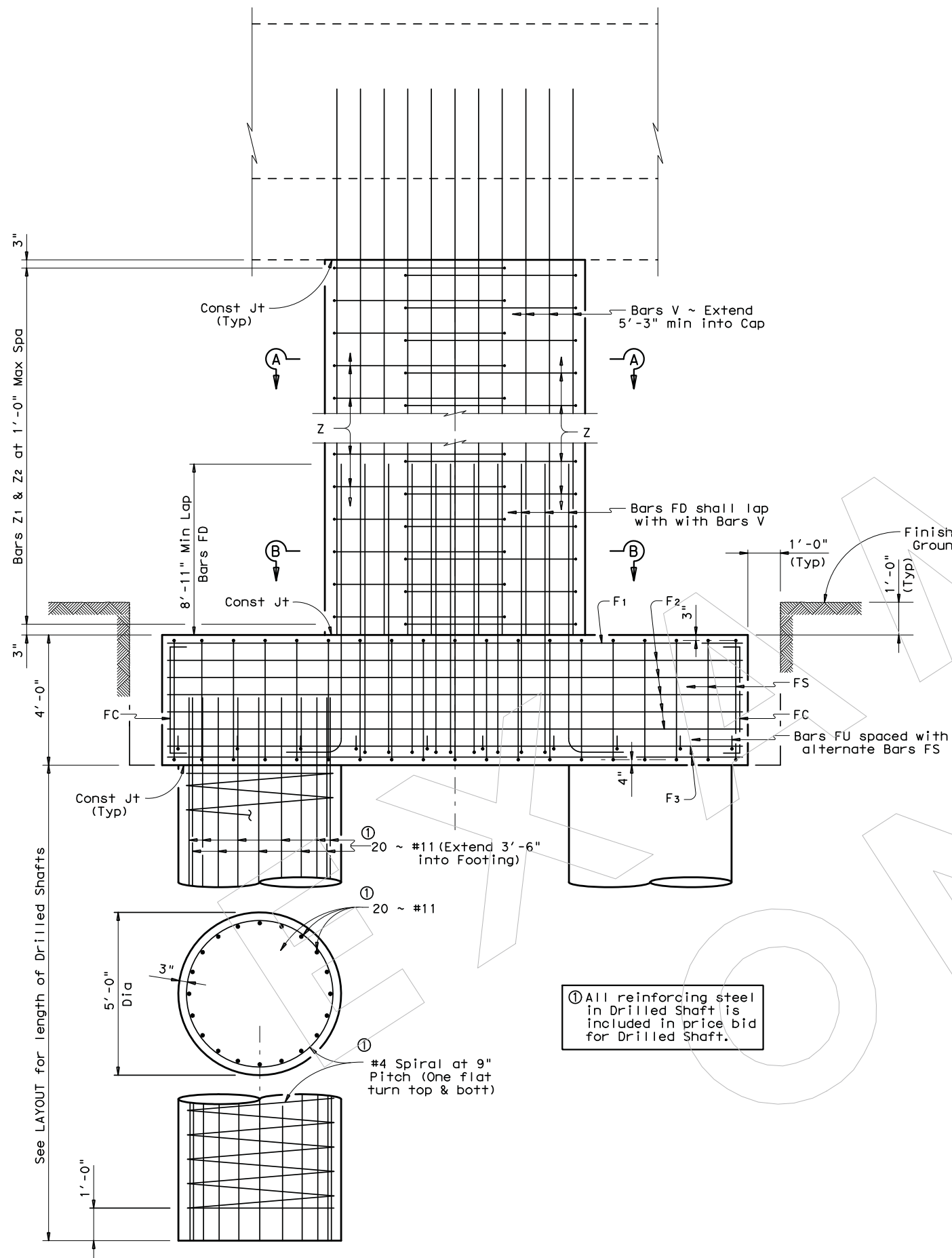
Texas Department of Transportation  
 Design Division (Bridge)

**COLUMN DETAILS**  
 COLUMN  
 DESIGN EXAMPLE

FILE:	DN: BRG	CK:	DW: BRG	CK:
© TxDOT June 2010	DISTRICT	FEDERAL AID PROJECT		SHEET
REVISIONS				
	COUNTY	CONTROL	SECT	JOB
				HIGHWAY

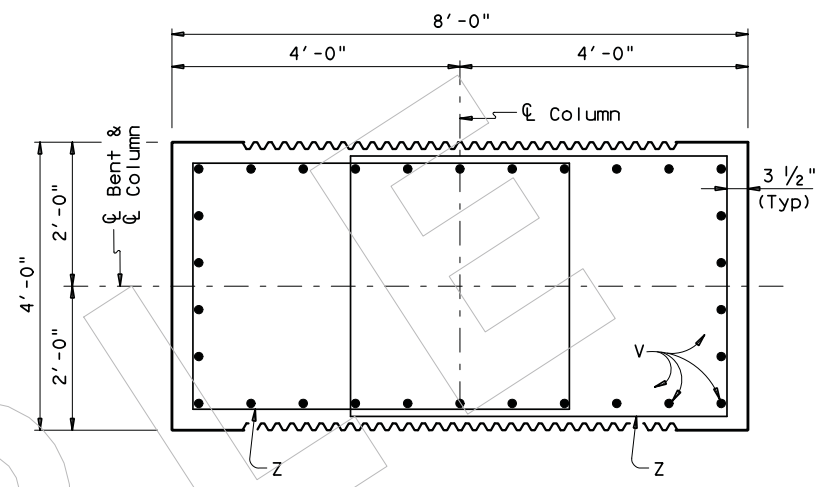
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LEVELS DISPLAYED	ACC:
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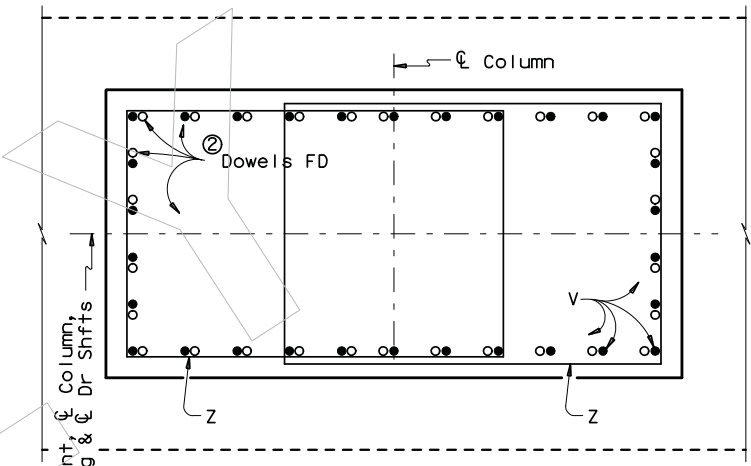


**COLUMN & FOOTING ELEVATION**

① All reinforcing steel in Drilled Shaft is included in price bid for Drilled Shaft.



**SECTION A-A**



**SECTION B-B**

② Place Dowels FD as shown to lap with Bars V or to embed into Column.

HL-93 LOADING SHEET 2 OF 3



**COLUMN DETAILS**  
**COLUMN DESIGN EXAMPLE**

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REVISIONS				
COUNTY	CONTROL	SECT	JOB	HIGHWAY

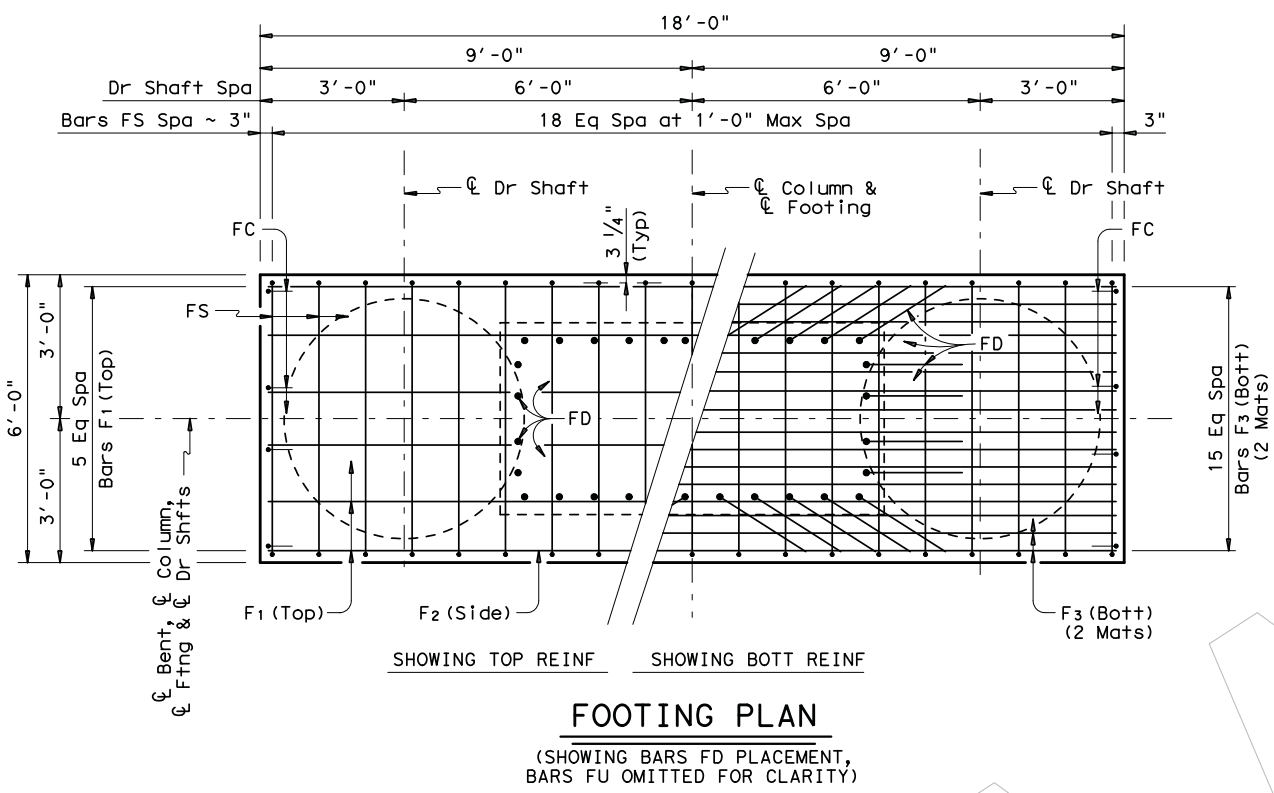
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LEVELS DISPLAYED	ACC:
1	

### ③ TABLE OF FOOTING QUANTITIES

Bar	No.	Size	Length	Weight
F1	6	# 8	17'- 8"	283
F2	10	# 5	17'- 8"	184
F3	32	#11	17'- 8"	3004
FC	8	# 4	3'- 4"	23
FD	30	#11	14'- 6"	2311
FU	10	# 4	6'- 6"	43
FS	19	# 4	18'- 7"	236
Reinforcing Steel			Lb	6084
Class "C" Concrete			CY	16.0

Quantities shown are for one (1) Footing.

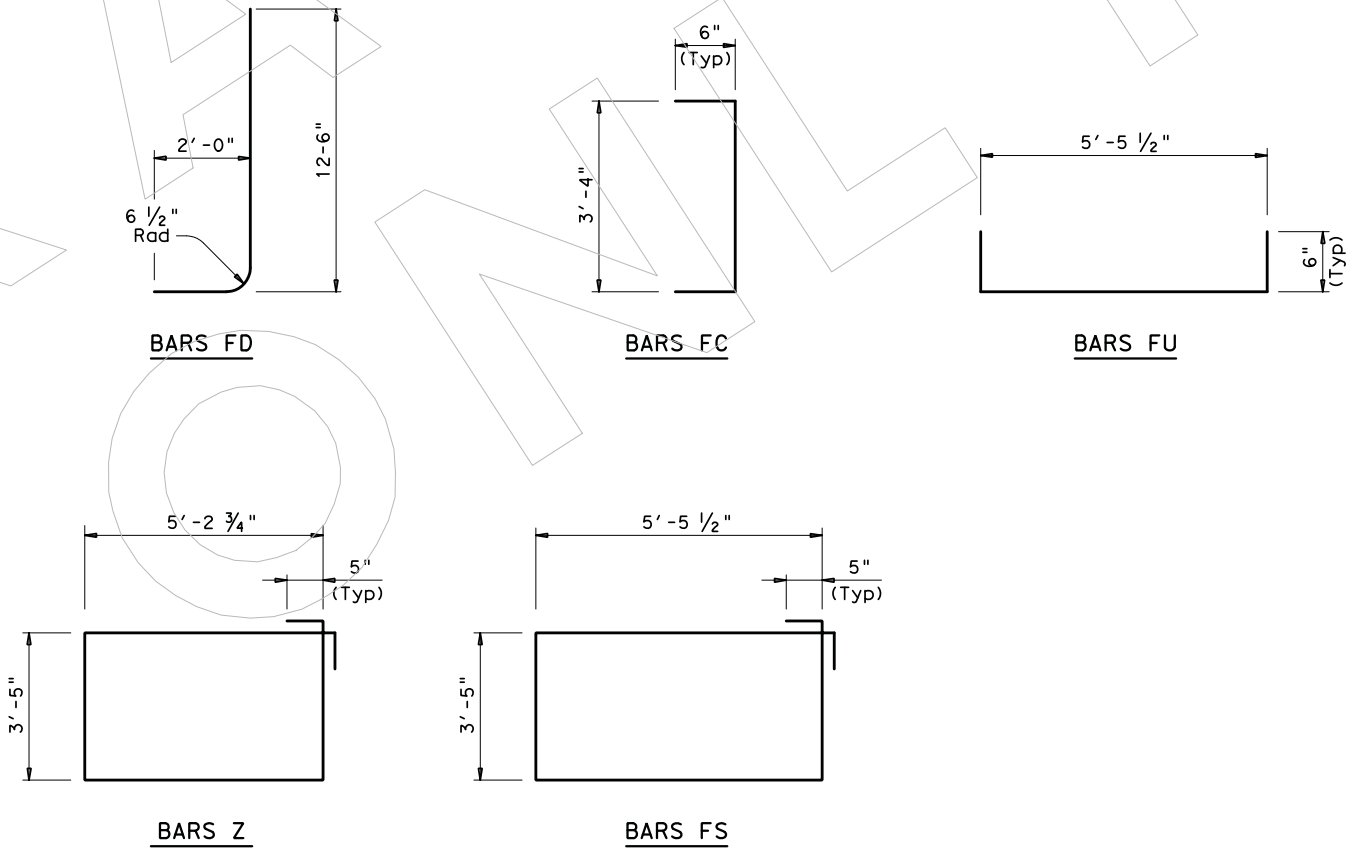
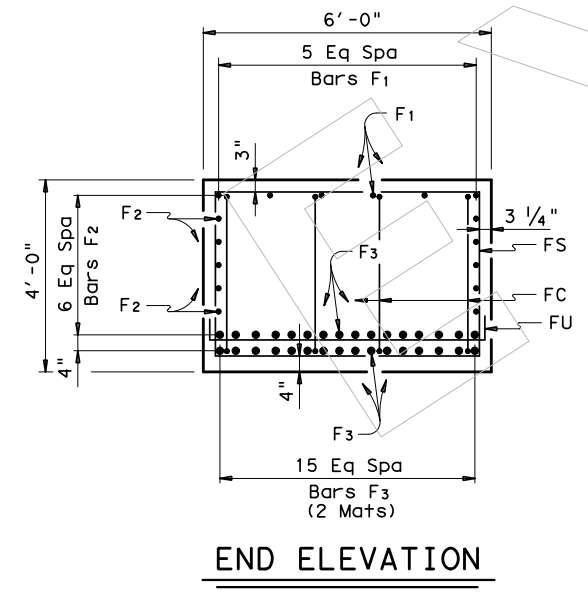


### ④ TABLE OF COLUMN QUANTITIES

Bent	"H"	Class "C" Concrete (1 Col)	Bars V 30 ~ #11		Bars Z 18'-2" ~ #4		⑤ TOTAL ESTIMATED QUANTITIES	
			Length	Weight	No.	Weight	Reinf Steel Lb	Class "C" Conc CY
2	35	41.5	40'-3"	6415	72	874	13373	57.5
3	50	59.3	55'-3"	8806	102	1238	16128	75.3

④ Adjust Bars V length by 1 Ft and Bars Z count by two(2) for each linear foot of variation in "H" value.

⑤ Adjust Reinforcing Steel Total by 210 Lbs and Class "C" Concrete Total by 1.1852 CY for each linear foot of variation in "H" value.



**GENERAL NOTES:**  
 Designed according to AASHTO LRFD Bridge Design Specifications, 5th Edition (2010).  
 Class "C" concrete strength  $f'_c = 3,600$  psi.  
 All column and footing reinforcing shall be Grade 60.  
 Drilled Shaft reinforcing may be grade 40.  
 Calculated Foundation Load = 585 Tons/Dr Shaft

HL-93 LOADING SHEET 3 OF 3

Texas Department of Transportation  
Design Division (Bridge)

## COLUMN DETAILS

### COLUMN DESIGN EXAMPLE

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				HIGHWAY