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↳ Load on bridge foundation due to Scour:

↳ Scour of Sediments around bridge foundation by the stream is the most significant contributing factor for bridge failures. The Scour failures tend to occur without prior warning and have led to fatalities and economic loss every year. A significant amount of work has been conducted on bridge Scour. Such efforts can be broadly classified into two major categories, namely Science driven and engineering driven. The Science-driven research focuses on understanding the Scour mechanism and aim to explain the cause of Scour due to different factors. Meanwhile, engineering-driven research focuses on the estimation, monitoring and countermeasures of bridge Scour.

Then both scientific and technical research on bridge Scour is reviewed, which are categorized into four aspect.

- * Macroscopic
- * Microscopic mechanism

- * Soc. depth prediction carried out by experimental and field data,
- * Direct and remote monitoring method and active and passive countermeasures.

End