## Factors Affecting Construction Labor Productivity for Construction of Pre-Stressed Concrete Bridges

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## **Abstract**

Purpose ó"Construction labor productivity in bridges of great interest to practitioners and researchers because it

affects project cost and time overrun. This paper evaluates and ranks the importance, frequency and severity of project delay

factors that affect the construction labor productivity for construction of Pre-stressed concrete bridges. Design/erection /

methodology: A total of 50 respondents consisting of owners contractors, and consulting participated in this study. The

respondents were asked to indicate how important each item of a list of many bridges project related factors was to

construction labor productivity for construction of Pre-stressed concrete bridges.

The data were then subjected to the

calculation of important indices which enabled the factors to be ranked. Findings:

The eleven most important factors

identified by them were: design factor, equipment factor, execution and construction factor, external factor, financial factor,

healthy and safety factor, labor factor, supervision factor, material factor, organization factor and other project factor.

Originality/value: From this study could be used by the project managers to take these factors at an early stage, hence

minimizing the time, cost and maximizing factors that affect the construction labour productivity for construction of

Pre-stressed concrete bridges.

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