



Synthesis on the Use of Accelerated Bridge Construction Approaches for Bridge Rehabilitation

Description

Meta Fields

Project Completion Year : 2015

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Abstract :

Accelerated bridge construction (ABC) has received significant research attention in recent years. For the most part, these research endeavors have focused on means and methods for decreasing impact to the traveling public during new bridge construction. At the same time, great opportunities exist to further reduce traffic impacts by decreasing construction time associated with bridge repair and rehabilitation.

Most bridges undergo several small and one or two major rehabilitations during their useful lives and decreasing the traffic impacts during these events could have significant societal benefits. Fortunately, many of the new construction concepts may be able to be adapted for use in rehabilitation scenarios. In still other cases, new means and methods may be needed.

This research completes a synthesis of available rehabilitation alternatives and solutions that could be used by practitioners to complete rapid rehabilitation projects. In some cases, these alternatives are adaptations of new construction methods and, in others, they are strictly for rehabilitation activities.

This synthesis provides a comprehensive summary of available solutions.

Subject : Bridge Rehabilitation

Group : Joints
Category : Completed Projects