



ACCELERATED BRIDGE CONSTRUCTION
UNIVERSITY TRANSPORTATION CENTER

UTC Project Information	
Project Title	Synthesis of Available Contracting Methods
University	ISU
Principal Investigator	Jennifer Shane
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Funding Source(s) and Amounts Provided (by each agency or organization)	ABC-UTC Funds: \$50,000 Match Funds: \$25,000
Total Project Cost	\$75,000
Agency ID or Contract Number	69A3551747121
Start and End Dates	January 2018–February 2020
Brief Description of Research Project	<p>Accelerated bridge construction (ABC) is the solution of choice to upgrade substandard bridges, while maintaining traffic flow and optimizing safety through work zones. However, the perception of higher construction costs for ABC versus conventional construction continues in spite of numerous ABC projects having lower construction costs relative to conventional construction. This inaccurate perception and the fear of cost overruns are causing some bridge owners to be hesitant about using ABC technologies, especially those technologies related to bridge system moves which can provide the greatest benefit for safety and traffic flow impacts. While the traditional contracting method for state DOTs is primarily unit price contracting, there are alternatives, including cost plus, lump sum, lump sum with guaranteed maximum price, and progressive lump sum with a guaranteed maximum price. To date there has been little investigation into the use of these alternatives on ABC projects, this project will explore the use of these options to understand the state of practice and provide insights and lessons learned for DOTs. The proposed research will consist of a thorough exploration of current contracting provisions for ABC projects. This will be accomplished through surveys, interviews, content analysis, documentation, and observations.</p>

Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	The outcomes will be tracked and reported once they are identified.
Impacts/Benefits of Implementation (actual, not anticipated)	The impacts will be tracked and reported once they are identified.
Web Links <ul style="list-style-type: none">• Reports• Project website	https://abc-utc.fiu.edu/research-projects/isu-research-projects/synthesis-of-available-contracting-methods/