



ACCELERATED BRIDGE CONSTRUCTION
UNIVERSITY TRANSPORTATION CENTER

| UTC Project Information | |
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| Project Title | Development of Accelerated Bridge Construction Handbook (ABC Handbook) |
| University | Florida International University |
| Principal Investigator | Atorod Azizinamini |
| PI Contact Information | aazizina@fiu.edu |
| Funding Source(s) and Amounts Provided (by each agency or organization) | ABC-UTC Funds: \$70,000 Match funds from FIU: \$35,000 |
| Total Project Cost | \$105,000 |
| Agency ID or Contract Number | 69A3551747121 |
| Start and End Dates | 06/01/2022 to 05/31/2022 |
| Brief Description of Research Project | <p>The proposed research will take advantage of a tremendous number of activities that ABC-UTC have had over years in ABC area and will provide the profession with a handbook that is perhaps the most comprehensive document for ABC. This project will result in the most comprehensive document in the U.S. and devoted to ABC, developing, collecting and referencing current and existing ABC knowledge and providing bridge professionals with one document that they can start with to get an answer to their questions. Besides the PI and Co-PIs, several practicing bridge engineers will also be involved in development of chapters. Contributors outside of FIU will receive honorarium for their contribution. The exact list of outside contributors will be determined at a later date, in consultation with project advisory panel.</p> <p>There are several state-of-the-art publications in the area of Accelerated Bridge Construction for different topics and ABC area in addition to the LRFD Guide Specification for Accelerated Bridge Construction. The proposed Handbook will refer to other documents and will pay great attention to the existing resources developed by different AASHTO committee to use the same terms and terminologies. The handbook will be the most comprehensive ABC source published by the end of the project.</p> <p>The overarching goal of this project is to develop the most document in ABC area not only for profession and practicing design engineers but also for education purposes. The handbook will provide actual design example, sample details, and other useful information for the benefit of the reader.</p> |

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| <p>Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here</p> | <p>This project has just started. Implementation of Research Outcomes will be reported as work progresses</p> |
| <p>Impacts/Benefits of Implementation (actual, not anticipated)</p> | <p>This project has just started. Impacts/Benefits of Implementation will be reported as work progresses</p> |
| <p>Web Links</p> <ul style="list-style-type: none">• Reports• Project website | <p>https://abc-utc.fiu.edu/research-projects/fiu-research-projects/development-of-accelerated-bridge-construction-handbook-abc-handbook/</p> |