



ACCELERATED BRIDGE CONSTRUCTION
UNIVERSITY TRANSPORTATION CENTER

| UTC Project Information | |
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| Project Title | Identify the Risk Factors that Contribute to Fatalities and Serious Injuries and Implement Evidence-Based Risk Elimination and Mitigation Strategies |
| University | UNR |
| Principal Investigator | Moustafa, Mohamed Itani, Ahmad |
| PI Contact Information | mmoustafa@unr.edu itani@unr.edu |
| Funding Source(s) and Amounts Provided (by each agency or organization) | ABC-UTC funds: \$25,000 |
| Total Project Cost | \$25,000 |
| Agency ID or Contract Number | Accelerated Bridge Construction University Transportation Center (ABC-UTC) 69A3551747121 |
| Start and End Dates | 2018/01/01- Active |
| Brief Description of Research Project | Construction activities related to bridge replacement and rehabilitation are significant contributors to safety hazards. The safety hazards attributed to construction work zones are alarming and accordingly, safety is a major focus of 2018-2022 US DOT Strategic plan. One of the potential advantages of accelerated bridge construction (ABC) is improving safety by reducing onsite construction activities. No good documentation is available yet for ABC potential for improving safety. This project will involve collaboration between UNR and FIU and ISU to collect and interpret quantitative data related to ABC contribution to safety. The objective of this project is to provide quantitative data supporting the fact that ABC does improve safety relative to conventional construction. |
| Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here | This is an active research project. Upon completion, outcomes will be reported. |

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| Impacts/Benefits of Implementation (actual, not anticipated) | This is an active research project. Upon completion, impacts/benefits will be reported. |
| Web Links <ul style="list-style-type: none">• Reports• Project website | https://abc-utc.fiu.edu/research-projects/unr-research-projects/identify-the-risk-factors-that-contribute-to-fatalities-and-serious-injuries-and-implement-evidence-based-risk-elimination-and-mitigation-strategies/ |