



UTC Project Information – Project #	
Project Title	Damage Modeling, Monitoring, and Assessment of Bridge Scour and Water Borne Debris Effects for Enhanced Structural Life
University	University of Connecticut
Principal Investigator	Wei Zhang, Ph.D., P.E., Associate Professor, Department of Civil & Environmental Engineering, University of Connecticut
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Funding Source(s) and Amounts Provided (by each agency or organization)	Federal-U.S. DOT: \$200,000; UConn: \$200,000
Total Project Cost	\$400,000
Agency ID or Contract Number	69A3551847101
Start and End Dates	Oct. 01, 2020 to Sep. 30, 2023
Brief Description of Research Project	The objective of this project is to evaluate bridge failure risk due to bridge scour and waterborne debris impacts to enable predictive management for enhanced structural life. The proposed multi-disciplinary project will establish a systematic framework to apply analytical, computational, and experimental techniques to evaluate these effects on the future life of bridges. Possible damage mitigation methods will be evaluated.
Describe Implementation of Research Outcomes (or why not implemented)	This project is in its initial research phase. Implementation of Research outcomes will be reported upon completion of initial research.
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	This project is in its initial research phase. Impacts and benefits of the research will be reported after the implementation phase.
Web Links	<ul style="list-style-type: none">• Reports• Project website

