UTC Project Information – Project 4.12	
Project Title	Proactive and Intelligent Risk Management in Complex Civil Infrastructure Project Systems
University	University of Connecticut
Principal Investigator	Jin Zhu
PI Contact Information	jzhu@uconn.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	Federal: $74,554 UConn: $74,573.97
Total Project Cost	$149,127.97
Agency ID or Contract Number	69A3551847101
Start and End Dates	7/15/21-9/30/23
Brief Description of Research Project	The construction of complex civil infrastructure projects, such as major transportation expansion and rehabilitation, usually faces various types of risks and uncertainties. If not managed properly, these risks and uncertainties bring significant negative impacts on project performance, causing schedule delays and cost overruns, which prevent these projects to enhance the durability and efficiency of our transportation infrastructures. This study proposes a more intelligent and proactive risk management framework, using advanced neural network analysis and simulation techniques. The methodology developed could help project teams deal with project risks and uncertainties in a more intelligent and proactive way, and thus improve project performance.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	This project is in its initial research phase. Implementation of Research outcomes will be reported upon completion of initial research.
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 • Reports • Project website	Coming Soon