

UTC Project Information – Project #	
Project Title	Prediction and Prevention of Bridge Performance Degradation due to Corrosion, Material Loss, and Microstructural Changes
University	University of Connecticut
Principal Investigator	Lesley Frame
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Funding Source(s) and Amounts Provided (by each agency or organization)	University of Connecticut (\$52,139 Cash; \$47,953 in-kind) TIDC (\$99,970)
Total Project Cost	\$200,062
Agency ID or Contract Number	
Start and End Dates	06/03/2022 – 06/02/2024
Brief Description of Research Project	This research will help DOT bridge inspection teams identify the most active areas of corrosion so that they can implement more cost effective corrosion preventive maintenance measures and extend the life of bridges. We use both Materials Science and Engineering methods for corrosion testing and characterization along with Civil Engineering methods of structure assessment to achieve the project goals.
Describe Implementation of Research Outcomes (or why not implemented)	To be completed after actual implementation has occurred
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	To be completed after actual implementation has occurred
Web Links	
	<ul style="list-style-type: none"> • Reports • Project website

