

UTC Project Information – Project # 2-10	
Project Title	Durability Evaluation of Carbon Fiber Composite Strands in Highway Bridges
University	University of Maine
Principal Investigator	Roberto Lopez-Anido
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Funding Source(s) and Amounts Provided (by each agency or organization)	Fast-Act (Federal): \$314,457.50 University of Maine: \$314,457.50
Total Project Cost	\$628,915
Agency ID or Contract Number	69A3551847101
Start and End Dates	06/01/2019 and 12/31/2021
Brief Description of Research Project	The objectives of this project are to monitor the structural performance of CFCC strands in the Penobscot-Narrows cable-stayed bridge to evaluate long-term durability, and to assess durability of CFRP strands for pre- stressed concrete bridges. This project will enhance the transportation infrastructure durability as follows: a) MaineDOT will be able to monitor continuously the long-term durability of CFCC strands in the Penobscot Narrows Bridge, and b) Non- corrosive CFRP strands will increase the longevity of highway bridges.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Graduate student Braedon Kohler monitoring existing sensor system at the bridge site.

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	