ATTACHMENT 5: UTC PROJECT INFORMATION SHEET

UTC Project Information – Project # 1.5	
Project Title	Distributed Fiber Optic Sensing System for Bridge Monitoring
University	University of Massachusetts Lowell
Principal Investigator	Xingwei Wang
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Co-PI(s)	TzuYang Yu
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Funding Source(s) and Amounts Provided (by each agency or organization)	
Total Project Cost	$ 620k
Agency ID or Contract Number	
Start and End Dates	1/1/2018 – 12/31/2023
Brief Description of Research Project	Develop a distributed fiber optic sensing system to monitor the strain and temperature variations on bridges.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	A distributed fiber optic sensing system has been developed to monitor the strain and temperature variations on bridges. This system has already been implemented on the bridge located at Salmon Falls River in New Hampshire. The Salmon Fall Bridge is a lattice deck truss bridge with a span of 120 ft and width of 60 ft.

Figure 1 (A) Side view of Salmon Fall Bridge (NH). (B) UML team working on site.