



UTC Project Information – Project #	
Project Title	FRP-Concrete Hybrid Composite Girder Systems: Web Shear Strength and Design Guide Development
University	UMaine
Principal Investigator	Bill Davids
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Co-PI(s)	
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Funding Source(s) and Amounts Provided (by each agency or organization)	MaineDOT: \$98,775
Total Project Cost	\$98,775
Agency ID or Contract Number	69A3551847101
Start and End Dates	8/19/2020 – 7/31/2022
Brief Description of Research Project	UMaine recently developed and commercialized, in partnership with AIT Bridges, a novel, fiber-reinforced polymer (FRP) composite bridge girder. This project will assess the shear strength of foam-core webs of the girders using a combined experimental and analytical approach. Data from this and other previous and ongoing research will be used to develop a draft design guide for FRP tub girders that addresses flexure, shear, shear connectors and deflections.
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 the research outputs.
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	This project is in its 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 	