



UTC Project Information – Project 3.10	
Project Title	Assessment and optimization of double CT bridge girder sections with longitudinal precast decks
University	UMaine
Principal Investigator	Bill Davids
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Funding Source(s) and Amounts Provided (by each agency or organization)	UMaine TIDC (\$178,376); AIT Bridges (\$62,000)
Total Project Cost	\$240,376
Agency ID or Contract Number	69A3551847101
Start and End Dates	7/1/2020 – 8/20/2021
Brief Description of Research Project	This project focuses on the extension of novel, fiber-reinforced polymer tub girder (CT girder) sections to incorporate precast concrete deck panels. This will extend the application of this new bridge technology by modularizing construction, optimizing the use of relatively costly composite materials, and reducing required superstructure depth. This research project will employ both large-scale and smaller-scale experiments, and includes direct collaboration with an industrial partner who is actively marketing this technology.
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 initial research.
Place Any Photos Here	
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	<ul style="list-style-type: none"> • Reports • Project website https://www.tidc-utc.org/kb/3-10/