UTC Project Information – Project # 3.21	
Project Title	GBeam Bridge Girder Pultrusion: Section Design and Optimization
University	UMaine
Principal Investigator	W. Davids
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Co-PI(s)	NA
Co-PI Contact Information	NA
Funding Source(s) and Amounts Provided (by each agency or organization)	TIDC ($59,866); AIT Bridges ($20,000)
Total Project Cost	$79,866
Agency ID or Contract Number	
Start and End Dates	6/1/22 – 12/31/22
Brief Description of Research Project	The GBeam FRP girder system, recently developed by the University of Maine, holds significant promise for widespread application in conventional, slab-on-girder bridges. However, girder fabrication time and cost are high due to use of labor-intensive vacuum infusion, and widespread adoption of the CT girder hinges on the ability to make girders faster. The proposed research tackles this issue by exploring the feasibility of commercial girder manufacturing via pultrusion. This project is short-term and designed to provide the information needed to complete the design of a pultrusion die for girder fabrication.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	This project is in its initial research phase. Implementation of research outcomes will be reported upon completion of the research outputs.
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	
• Reports • Project website	