|  |  |
| --- | --- |
| **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 |
| PI Contact Information | [william.davids@maine.edu](mailto:william.davids@maine.edu); 207 581-2116 |
| Co-PI(s) |  |
| Co-PI Contact Information |  |
| Funding Source(s) and Amounts Provided (by each agency or organization) | MaineDOT ($98,775) |
| Total Project Cost | $98,775 |
| Agency ID or Contract Number | State PIN: 024817.00 |
| 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)  Place Any Photos Here | To be completed after actual implementation has occurred |
| Impacts/Benefits of Implementation (actual, not anticipated) | To be completed after actual implementation has occurred |
| Web Links   * Reports * Project website |  |