

| <b>UTC Project Information – Project 2.14</b>  |  |
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| Project Title  | Implementation of UHPC Technology into the New England Construction Industry   |
| University   | University of Connecticut  |
| Principal Investigator   | Kay Wille, Ph.D., Associate Professor  |
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| Funding Source(s) and Amounts Provided (by each agency or organization)                | Federal: \$86,934.35<br>University of Connecticut: \$86,950.53   |
| Total Project Cost   | \$173,884.88   |
| Agency ID or Contract Number   | 69A3551847101  |
| Start and End Dates  | July 15, 2021 – July 15, 2023  |
| Brief Description of Research Project  | The proposed research aims at the development and implementation of cost effective non-proprietary high and ultrahigh performance concrete (UHPC) mix designs. Research emphasis is being placed on testing and analysis of durability properties of promising UHPC mixtures, as well as testing large scale mixing in collaboration with industry partners in the field. Knowledge transfer, educating personnel and quality control will be vital parts in this project to make this challenging task a success. Upon success, this project will provide a great opportunity to enhance the sustainability and longevity of our bridge infrastructure. |
| 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  | Coming Soon  |
| <ul style="list-style-type: none"> <li>• Reports</li> <li>• Project website</li> </ul> |  |