

| UTC Project Information | |
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| Project Title | MPC-652 – Reducing Shrinkage Cracking in Bridge Decks Using the Single and Double-Ring Test Methods |
| University | University of Wyoming |
| Principal Investigator | Jennifer Tanner, Ph.D. |
| PI Contact Information | Associate Professor Dept. of Civil and Architectural Engineering and Construction Management University of Wyoming Phone: (307) 766-2073 Email: tannerj@uwyo.edu ORCID: 0000-0003-2433-2897 |
| Funding Source(s) and Amounts Provided (by each agency or organization) | USDOT, Office of the Assistant Secretary for Research and Technology \$45,999 Wyoming Department of Transportation \$117,691 |
| Total Project Cost | \$163,690 |
| Agency ID or Contract Number | 69A3551747108 |
| Start and End Dates | May 7, 2021 to July 31, 2022 |
| Brief Description of Research Project | The condition of concrete on bridge decks is one of the most costly parts of Wyoming Department of Transportation’s budget and the cost of maintenance can result in inadequate roads or costly premature repairs. This proposal evaluates critical factors relating to early age shrinkage and proposes combining multiple mitigation methods to reduce early-age cracking that contributes to early degradation. |
| Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here | |
| Impacts/Benefits of Implementation (actual, not anticipated) | |
| Web Links <ul style="list-style-type: none"> • Reports • Project Website | |