UTC Project Information	
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, 2023
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	Results will be presented to WYDOT and compared to future research evaluating a similar suite of testing on limestone based aggregates.
Impacts/Benefits of Implementation (actual, not anticipated)	This is expected to impact the WYDOT specification for concrete placed in new bridge decks.
Web Links • Reports • Project Website	• MPC Research Report – Evaluation of Concrete Bridge Deck Mixtures Using Shrinkage-Ring Tests