

UTC Project Information	
Project Title	MPC-583 – Composite Repair for Concrete Bridges Subjected to Alkali-Silica Reaction
University	University of Colorado Denver
Principal Investigator	Yail Jimmy Kim
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Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT, Research and Innovative Technology Administration \$50,000 Faculty time and possible external scholarship/support awarded to participating individuals \$50,000
Total Project Cost	\$100,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	December 14, 2018 to July 31, 2022
Brief Description of Research Project	This research aims to quantify the deleterious effects of alkali-silica reaction (ASR) on the behavior of concrete bridges, to examine the efficacy of composite-based repair to improve the capacity of ASR-damaged concrete members, to develop a theoretical model which can predict the performance of ASR-damaged and composite-repaired concrete members, and to propose design/practice recommendations for the implementation of the proposed composite repair method.
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 	