

UTC Project Information	
Project Title	MPC-648 – Repairing Concrete Structures Using Near-Surface Mounted Composites with Inorganic Resins under Simulated Multihazard Damage
University	University of Colorado Denver
Principal Investigator	Jimmy Kim
PI Contact Information	Professor University of Colorado Denver Phone: (303) 315-7497 Email: jimmy.kim@ucdenver.edu ORCID: 0000-0002-4286-1461
Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT, Office of the Assistant Secretary for Research and Technology \$60,000 University of Colorado Denver \$60,000
Total Project Cost	\$120,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	March 26, 2021 to July 31, 2022
Brief Description of Research Project	In the United States, deteriorated infrastructure is one of the primary concerns. State and federal agencies spend significant amounts of dollars to maintain the quality of transportation structures. For example, the Fixing America’s Surface Transportation (FAST) Act has authorized \$305 billion to address the immediate need of the nation. This research explores a new opportunity for repairing damaged concrete members using near-surface-mounted composites with inorganic resins. Element- and structure-level experimental investigations are conducted, and practice guidelines are proposed for the benefit of the infrastructure community.
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 	