

UTC Project Information	
Project Title	MPC-571 – Monitoring Transportation Structure Integrity Loss and Risk with Structure-From-Motion
University	Colorado State University
Principal Investigator	Paul R. Heyliger
PI Contact Information	Professor Colorado State University Phone: (970) 491-6685 Email: prh@engr.colostate.edu ORCID: 0000-0001-6884-6967
Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT, Research and Innovative Technology Administration \$60,000 CSU salary, NSF \$60,000
Total Project Cost	\$120,000
Agency ID or Contract Number	69A3551747108
Start and End Dates	June 27, 2018 to July 31, 2022
Brief Description of Research Project	A hybrid method of analysis using Structure-from-Motion photographic imaging and finite element models are proposed to monitor and characterize physical changes in transportation systems using standard digital photographs. The proposed methodology is suggested to study a wide variety of representative structures and systems that can be damaged or subjected to varying environmental threats.
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 	