UTC Project Information	
Project Title	MPC-412 – Fatigue Strength of CFRP-repaired Reinforced Concrete Bridge Girders under Service Temperature
University	Colorado State University
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Funding Agencies	USDOT, Research and Innovative Technology Administration
Agency ID or Contract Number	DTRT12-G-UTC08, Modification No. 1
Project Cost	\$130,000
Start and End Dates	January 1, 2013- December 31, 2013
Project Duration	1 Year
Brief Description of Research Project	 The objectives of this project are as follows Collect experimental data on the fatigue response of CFRP-repaired RC girders under various service temperatures. Develop finite element models for fatigue life predictions of the girders. Recommend best repair practice for increasing the fatigue life of the repaired girders.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	The study was just concluded. An effort will be placed on promoting the application of this repair on CDOT bridges.
Impacts/Benefits of	Using this retrofit approach, we are able to prelong the service life of
Implementation (actual, not anticipated)	RC bridges that are subjected to deterioration and fatigue cycles. The added fatigue life could be doubled or tripled, which would result in significant cost savings.
Web Links Reports Project Website	https://www.ugpti.org/resources/reports/details.php?id=949