

UTC Project Information	
Project Title	MPC-405 – Seismic Retrofit of Spliced Sleeve Connections for Precast Bridge Piers
University	University of Utah
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Funding Agencies	USDOT, Research and Innovative Technology Administration
Agency ID or Contract Number	DTRT12-G-UTC08
Project Cost	\$44,138
Start and End Dates	January 1, 2012 – December 31, 2013
Project Duration	2 Years
Brief Description of Research Project	The objectives of this proposal are: (1) to perform quasi-static cyclic tests of a retrofitted damaged precast concrete column to footing splice sleeved connection, and a retrofitted damaged precast concrete column to bent cap beam connection using a mechanical sleeves; the retrofits will be accomplished by using Carbon Fiber Reinforced Polymer (CFRP) jackets; and (2) to evaluate to what extent the retrofitted sleeve connections behave in a manner consistent with the earthquake resisting elements that would be expected with traditional construction methods, as described in the AASHTO Guide Specification for LRFD Seismic Bridge Design (AASHTO 2011).
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 	https://www.ugpti.org/resources/reports/details.php?id=865