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| **UTC Project Information** |
| Project Title | MPC-405 – Seismic Retrofit of Spliced Sleeve Connections for Precast Bridge Piers |
| University | University of Utah |
| Principal Investigator | Chris P. Pantelides |
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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 extend 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* Reports
* Project Website
 | https://www.ugpti.org/resources/reports/details.php?id=865 |