

Attachment IP1. NCHRP 12-74 Implementation Plan

The following Implementation Plan was developed to assist in the implementation of the NCHRP 12-74 research products, which consist of design specifications including design methodologies, design flow charts and design examples, construction specifications, and example connection details. It is important to note that funds have not been allocated by NCHRP for these efforts and thus the scope and extent of Research Team participation may be limited.

The Research Team will be jointly led by the University of California, San Diego Principal Investigator (Dr. Jose Restrepo, integral system and hybrid connections) and the California State University, Sacramento co-Principal Investigator (Dr. Eric Matsumoto, nonintegral emulative grouted duct and cap pocket connections). Other members of the Research Team will work closely with the PI's. The Research Team will do the following:

- Request presentation slots at the AASHTO Highway Subcommittee on Bridges and Structures (HSCOBs) and Subcommittee on Construction Annual Meetings to disseminate information on the research products.
- Work with the Chairs of the HSCOBs Technical Committees for Seismic Design, (T-3), Concrete Design (T-10), and Construction (T-4) to request their committees' review and approval of the recommended design and construction specification changes for inclusion on the HSCOBs ballot for voting at its summer Annual Meetings.
- Work with the AASHTO HSCOBs technical committees and the AASHTO Engineering and Technical Services staff to get the precast bent cap research products placed on the AASHTO LRFD website.
- Work with training services to assist in incorporating the precast bent cap research products into existing LRFD training courses, such as the AASHTO LRFD bridge design courses. Contact the FHWA/State DOTs Transportation Curriculum Coordinating Council (TCCC) to assist in adding pertinent precast bent cap construction specifications to the bridge construction inspection training courses for highway construction personnel.
- Partner with FHWA to add research products to the FHWA prefabricated bridges website (<http://www.fhwa.dot.gov/bridge/prefab/>).

- Write collaborative papers and articles on the research results and products for technical, professional, and trade publications, and submit papers for presentation at national conferences and meetings.
- Participate in demonstration workshops that owner agencies host for first projects using precast bent cap technology to deliver research results and products to bridge owners, designers and engineers, precast manufacturers, and contractors.