

BACKGROUND / OBJECTIVES

The Bridge Quality Assurance Division of the Pennsylvania Department of Transportation's (PENNDOT's) Bureau of Design has developed a design standard for pot bearings. This was done in order to try to standardize pot bearing designs within Pennsylvania, to include all the details for pot bearings on the design plans, and to eliminate fabricator designs during the construction phase of projects. We are now interested in taking this standard to the next level to make it a regional and possibly even national standard. In order to accomplish this task, we are looking for the involvement of interested members from other state DOTs to review what we have developed and work to revise the standard in order to meet the requirements/preferences of other states. PENNDOT's pot bearing standard (designated as BD-613M) may be viewed at the following web site: <http://www.dot.state.pa.us/bridge/standards/BD/bd2003.htm> .

TASK 1: BD-613M Review coordination

The contractor will coordinate the review of the existing PENNDOT standard (BD-613M) by the panel members and consolidate review comments.

Deliverables: Written documentation of all consolidated comments from panel members on BD-613M.

TASK 2: Research and Drafting

The contractor will assist in responding to comments from Task 1. These comments are expected to be extensive in order for the standard to be able to be used nationwide. This task may include in-depth review of design codes, equations, material specifications, construction specifications, etc. This will also include drafting to revise and expand existing standards.

Deliverables: Written documentation of responses to comments received in Task 1 and all research conducted in conjunction with this study as well as a set of revised standard drawings.

TASK 3: Proposed AASHTO revisions

The adoption of parts of the PENNDOT standard will necessitate proposed revisions to the AASHTO LRFD Bridge Design Specifications. The contractor will develop proposed revisions to present to AASHTO for inclusion in specifications. Included in this task are:

- The preparation of a letter to AASHTO requesting review and approval of the proposed changes to the specifications, and
- A possible presentation to AASHTO regarding this project and the revisions to the specifications.

Deliverables: A letter to AASHTO requesting review and approval of the proposed revisions and a presentation to AASHTO as specified above.