

**IOWA DEPARTMENT OF TRANSPORTATION**

To Office Bridges and Structures Date January 1, 2009  
Attention All Employees Ref No. 521.1  
From Gary Novey  
Office Bridges and Structures  
Subject Release of new P10L pile standard and revision to P10A pile standard.  
(CADD M0135)

Electronic copies are available in the following Office of Bridges and Structures standard directory **W:\Highway\Bridge\Standards\Bridges** and on the Internet:

<http://www.dot.state.ia.us/bridge/standard.htm>

New standard P10L:

The new P10L standard shall be used on all projects where the substructure is designed using LRFD. This standard is the LRFD version of the P10A pile standard. The update includes the following changes.

1. Based on the LRFD Specifications the "H MAXIMUM ABOVE GROUND" was updated for the pile shown in the tables.
2. Addition of HP14x73 and HP14x89 where longer H values are required.
3. Addition of a new variable "G MINIMUM BELOW GROUND" that was added to the pile tables.
4. Based on the LRFD Specifications the minimum steel thickness for the Gr. 3 pipe piles was updated.

Revision of P10A Standard

1. The P10A Standard Dowel Setting Procedure notes have been revised to use the word Polymer instead of Epoxy.
2. The concrete and reinforcing steel quantities were revised for the Type 3 pile bents to be consistent with the new P10L standard.

The new P10L standard should be used on all new projects designed with LRFD started after January 1, 2009 where pile bents are used. If you have any questions on these new standards, please check with Dean Bierwagen or Thayne Sorenson.

GAN/dgb/bj