

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures, Local Systems Date July 1, 2009
Attention All Employees, LeRoy Bergmann Ref No. 521.1
From Gary Novey
Office Bridges and Structures
Subject Revisions to the P10A and P10L Bridge CADD Standards
(CADD M0146)

The revised standards are located in the EnglishMiscellaneousBridges.dgn file. 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>

The standard P10A has been revised:

1. The maximum "H MAXIMUM" distance along with note (encircled 5) was added to define the distance measured from the streambed elevation to the bottom of the pier cap. Otherwise "H MAXIMUM" distance should be measured from the scour elevation when this elevation is deeper than the streambed elevation.
2. The note (encircled 6) was added allowing the contractor the option of installing the cap steel as drilled in dowels and following the "Dowel Setting Procedure" described on this sheet.
3. Dimensions showing the encasement steel embedment length into the pier cap were added for Type 3 piles for non-monolithic and monolithic pier caps.
4. The pile cross section was added to the plan view of the "Cap Steel Details" for the Type 3 pile and the dimensions to the cap steel defined as clear distance.
5. The notes were updated to the 2009 Standard Specifications in the "Dowel Setting Procedure".

The standard P10L has been revised:

1. The "H MAX" distance was separated for monolithic and non-monolithic pier caps and the note (encircled 6) was added to define the distance measured from the streambed elevation to the bottom of the pier cap. Otherwise the "H MAX" distance should be measured from the scour elevation when this elevation is deeper than the streambed elevation.

2. The note (encircled 7) was added allowing the contractor the option of installing the cap steel as drilled in dowels and following the “Dowel Setting Procedure” described on this sheet.
3. Dimensions showing the encasement steel embedment length into the pier cap were added for Type 3 piles for non-monolithic and monolithic pier caps.
4. The pile cross section was added to the plan view of the “Cap Steel Details” for the Type 3 pile and the dimensions to the cap steel defined as clear distance.
5. The notes were updated to the 2009 Standard Specifications in the “Dowel Setting Procedure”.

These revised standards should be used on all new projects. If you have any questions about these revised standards, please check with Thayne Sorenson or Dean Bierwagen.

GAN/dgb/bj