

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures **Date** July, 2010
Attention All employees **Ref No.** 521.1
From Gary Novey
Office Bridges and Structures
Subject MM No. 224 (Amendment to MM No. 125)

The precast culvert standards are available on the Internet at:

www.dot.state.ia.us/bridge/standard.htm

When developing projects with alternate Cast In Place and Precast culvert plans the following plan development guidelines should be used:

- 1) Dimensions for back to back of parapet and Left and Right of center line will be adjusted. The Left and Right lengths will be increased 4'-9" for 3:1 foreslopes and 5'-6" for 3.5:1 foreslopes divided by the cosine of the skew angle for the culvert to compensate for differences between the Cast In Place and Precast culvert headwall geometry. The Left and Right lengths will be rounded up to the nearest whole foot.

If you have any questions please check with Stuart Nielsen or Thayne Sorenson.

GAN/ssn
Attachment