

**410000 –Precast Concrete Box Culvert
Comments From Industry Review**

Bob Dion
bob_dion@urscorp.com
386 740-0665

Comments:

Recommend consolidating the requirements for obtaining precast structures from plants listed on the Departments list of Producers with Accepted Quality control Programs into 1 place, it is repeated in sections 407, 410 , 430 and 449 currently in industry review. The revision to section 449 includes the same verbiage, however it does not mention a notorized statement, if needed suggest adding it to 449-1. Also, suggest deleting the 3rd paragraph of 410-1.

Add "Precast Concrete Drainage ProductsArticle 449-1' to 410-2.

Anjani Girwarr
anjani.girwarr@dot.state.fl.us
863-519-2825

Comments:

Reword sentence in 410-4.1.2, second sentence: "Perform a bridge load rating in accordance with the Structures Design Guidelines for any multiple barrel culverts with a total span equal to or greater than 20 feet; culvert measurement shall be from the inside face of end supports along the centerline of the roadway crossing."

Sam K. Joseph
Assistant District Materials & Research Engineer
(863) 519 – 4211

Comment

Revision date 10-15-07, Spec. #410-1, at the third paragraph, the last sentence should be modified to add “Quality Control” in front of the word “signed”.

Doug Holdener
dholdener@rinker.com
561.352.8959

Comments:

Comment 1 - Re: 105-"8"5.11.1.4.1 Testing Personnel We understand that the proposed change to this section is administrative. However, we are seeking clarificiation of how laboratory strength testing is defined. We concur that ACI certification is needed for the personnel that are operating compressive strength cylinder breaking equipment and interpreting the results in the lab. However, for the plant that produces cylinders and then

transfers them to a certified lab, it is not necessary that the said plant personnel making the cylinders have that certification. Incidentally, the technique for preparing dry cast concrete cylinders is discussed in the Level I and II QC training.

Comment 2 - Re: 105-"8"5.11.1.4.2: Batch Plant Operator Again, we understand that the proposed change to this section is administrative in nature. However, we are seeking a clarification. The State Materials Office indicated in December 2006 that "dry-cast concrete box culvert plants do not need the plant operator training. The proposed Levels I and II courses include the necessary information for their specific needs." Would the Department consider inserting this clarification into the Section 410 specification or issuing a memo to District offices so that there is no confusion down the road?

Rick Amlin
Oldcastle Precast
239 574-8896

Comments

410-1 limits 2-piece cuolverts to >2' earth cover. We have produced many culverts for < 2' earth cover that are performing adequately. We propose 2 piece culverts be accepted regardless of earth cover.

410-4.1 Paragraph 3 requires doublesided tongue and grove joints for 2-piece culverts. The detail on Index 291 Pg. 2/5 requiring 3" min component thickness would need revised for culverts with base slabs less than 10" thick.
