

SP4550000DB STRUCTURES FOUNDATIONS (DESIGN BUILD)  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (5-11-18)

1. Section 455-5.11.7, “Resistance Factors for Pile Installation Using Soil Setup (all structures)” table needs some update. Specifically, the “Blow Count Criteria” header has a reference to Note “3” which appears to be Note “4” after the numbering update. Likewise, the “100% Dynamic Testing” header has a reference to Note “4” which appears to be Note “5” after the numbering update.

Response: You are correct. Thank you.  
Change made.

2. Section 455-15.1.1, the proposed specification reads “... when drilling on land the provide a fixed template...”. The sentence above does not read right. Should the word “the” be removed?

Response: Yes.  
Change made.

3. Section 455-15.1.2 Item 2 currently does not have any proposed change. However, it is noted that the proposed change of 455 Specification for conventional project (455701.ind.pdf) has added the “equipment to install and remove casing” to be provided in the DSIP. There is no apparent reason why the proposed additional information does not apply to Design-Build projects. Please check.

Response: Same wording will be added to the DB specification.  
Change made.

4. Section 455-15.8.3 proposes to show “Do not mixed in the excavation as a means to initially prepare slurry; adjustments to slurry can be made in the excavation as needed.” Suggest to replace the phrase “adjustments to slurry” with “adjustments to slurry properties” which is probably the intent of the proposed change and not allowing too many other ways of interpreting the word “adjustments”.

Response: Agree.  
Change made.

5. 455-17.6.1.2 includes a table listed minimum and maximum time for TITDS. There is a note at the bottom of the table stating “When retarders are used to slow the onset of hydration, add the retardation time to the testing times indicated.” Class IV (Drilled Shaft) mix always have retarders, so it is not an issue of “when” (please confirm with FDOT concrete engineers). Also, it is unclear how to determine the onset of hydration time for all the drilled shaft mixes. Suggest to coordinate with the FDOT concrete engineers to establish a way to show the onset hydration

time on the concrete mix design information sheets (similar to slump loss time). Otherwise, this may be a practical issue in construction.

Response: Agree. Table footnote will be removed. The paragraph after the table is enough to clarify that for special mixes additional time may be considered.

Change made.

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