Comments: (5-1-19, 5-9-19, Internal)
Suggest the following changes:

1. **455-5.11.4 Set-checks and Pile Redrive:**
   I’m not sure why we need a different definition of set-checks on DB. Driving at least 24” seems to be excessive. If an “uninstrumented set-check” reaches refusal prior to driving at least 24”, according to the suggested revision, it would have to be instrumented for acceptance.
   Set-checks or redrives for piles redriven less than 24 inches must be instrumented for pile acceptance.

   Set checks can be determined to achieve bearing in inches and not 2 feet. This is excessive.

Response:

2. **455-8.9 Filling Pipe Piles:** Ensure closed-end pipe piles are watertight. The Engineer may reject closed-end pipe piles that exhibits water leakage or require pile extraction to repair integrity defects.

Response:

3. The design of the closed end pipe pile is up to the department. If I drive the pile and the bottom breaks out or is leaking that should be on the department and not the contractor. The contractor should not be responsible for watertight.

Response:

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Scott C. Arnold
414-4273
scott.arnold@dot.state.fl.us

Comments: (5-6-19)

1. 

   SUBARTICLE 455-8.9 is deleted and the following substituted:

   **455-8.9 Filling Pipe Piles:** Ensure closed-end pipe piles are watertight. The Engineer may reject closed-end pipe piles that exhibits water leakage or require pile extraction to repair integrity defects. When required by the Plans, fill pipe piles with the specified materials. Use the appropriate fill to achieve the specified in-place density of 96%.

Response:

2. **455-15.1.2**
3. 455-17.16.1.3

9. A conclusion stating whether the tested shaft is free from integrity defects and meets the minimum concrete cover and diameter requirements by the specifications. When anomalies are detected, include in the report a three-dimensional rendering of the shape of the shaft.

Response: Change will be made.
Change made.

4.

§ 455-41-Grout-Mix-Proportions. Use a cement, grout mix consisting of a mixture of cementitious materials, admixtures, sand and water, proportioned and mixed to produce a grout capable of maintaining the solids in suspension without appreciable bleed water which may be pumped without difficulty and will fill open voids in the adjacent soils and rock. The grout mix may also include a fluidizer, if desired. Add the fluidizer without violating any limits contained in the manufacturer’s technical data sheet. Proportion these materials to produce a hardened grout of the required strength.

Response:

Comments: (date)

Response:

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Robert Ankrom
Work Phone: 954-934-1155
robert.ankrom@dot.state.fl.us

Comments: (5-14-19)
Hold Cylinders for QC (2) are different than hold cylinders for VT (1), see section 455-43. 2 hold cylinders for both QC and VT is what should be required

Response:

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