

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

Wing Heung  
(954) 444-9742  
[wing.heung@dot.state.fl.us](mailto:wing.heung@dot.state.fl.us)

Comments: (11-30-20, Industry)

Suggest to replace the sentence “When repairs are done, perform CSL taking measurements of the tube pairs with the source and receiver running at the same depth and two offset measurements per pair with vertical offsets between the source and the receiver” with “When repairs are done, perform CSL measurements in all tube pair combinations with the source and receiver in the same horizontal plane and at vertical offsets of 45 degrees above and below.” The suggested language attempts to address the following issues which may become future disputes. 1./ The current proposed language can be interpreted as a total of only two vertical offset measurements per tube pair which is possibly not the intent. As an example, a shaft with 4 tubes have 6 tube pair combinations and therefore only 12 additional offset measurements. 2./ The current proposed language shows “...the tube pairs...” and does not define which tube pairs need the offset measurements. It can be all tube pair combinations or the same tube pair combinations in the original CSL test or to be determined by the CSL Test Engineer per current 455 Spec language (When a shaft contains four tubes, test every possible tube combination. For shafts with five or more tubes, test all pairs of adjacent tubes around the perimeter, and one-half of the remaining number of tube combinations, as chosen by the Engineer.) Suggested language above shows all tube pair combinations which may or may not be the intent. However, suggest to clarify. Otherwise, we may receive offset measurements from tube pairs with >30% velocity reduction in the original test only (another way to misinterpret “...the tube pairs...”).

**Response: Change made.**

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Dan Hurtado  
(850) 414-5203  
[dan.hurtado@dot.state.fl.us](mailto:dan.hurtado@dot.state.fl.us)

Comments: (12-4-20, Industry)

Take a look at SP4550000db out for Industry Review. Article 455-45.3, the font is different. No biggie, just caught my eye.

**Response: The Specifications Office will address.**

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