

4550510 STRUCTURES FOUNDATIONS
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

Greg Davis (Missy Hollis)

Comment: (12-2-10, Internal)

Greg,

I'm OK with adjusting the length for piling. Depending on what is finally approved, I can either summarize the changes in the BOE, or indicate "refer to the specifications for adjustments due to"

I do have a different concern. In 455-5.13, the proposed spec allows for either EDC or instruments for dynamic load testing. If the contractor is given the choice, we probably shouldn't have a separate pay item for only EDC. The Structures Bulletin is located at <http://www.dot.state.fl.us/structures/Memos/TemporaryDesignBulletinC10-02.pdf> The spec requirements are in 455-10.2, which is not included in this proposed Special Provision, but is in the workbook at <ftp://ftp.dot.state.fl.us/LTS/CO/Specifications/WorkBook/Jan2011/SP4550510A.pdf> We have 100+ bridges with the EDC pay item loaded over the next 2 years.

Options might include no separate payment for either instrument, or a single pay item to cover both types of instruments.

Overall, the proposed spec seems to conflict with existing spec SP4550510A.pdf

Response: (Larry/Rudy – I attempted to provide a response for this comment – how'd I do? :-)). New SS4550510 will give the Contractor the option of using either EDCs or externally connected instruments for dynamic load testing on test piles, with no separate payment for the option chosen. New SP4550512 requires EDCs in test piles only (no production piles) and will be used the majority of the time (when EDC use is specified). Revised SP4550510A (with test piles) and revised SP4550510B (without test piles) require the use of EDCs in production and/or test piles and will be used only when authorized by the State Geotechnical Engineer. SP4550512, SP4550510A and B provide for payment for the number of EDCs actually installed, completed and accepted.

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Comments: (12-28-10)

In the second paragraph of 455-11.5 Dynamic Load Tests add the word "WORKING" ~~shown in caps/quotes~~ (underlined and highlighted) to be consistent with previous changes in the specification.

Payment for *attaching equipment to each production pile for Dynamic Load Testing prior to initial driving and as authorized by the Engineer, including up to two instrumented set checks will be 20 feet of additional pile. No additional payment for attaching equipment will be made for additional set checks performed within two working*

days of the initial driving will include all costs related to dynamic testing as described in 455-5.13 including the initial instrumented drive, and up to two instrumented set checks that day. In the event the Engineer requires an instrumented set check or redrive of a production pile after the day of initial driving, 1/2 the payment for a Dynamic Load Test will be added to the payment for the set check or redrive. two set-checks within two working days of initial driving, an additional 10 feet will be added to the quantity of piling. In the event the Engineer requires an instrumented redrive of a production pile, 10 feet will be added to the quantity of piling

Response:
