



*Florida Department of Transportation*

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GOVERNOR

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ANANTH PRASAD, P.E.  
SECRETARY

December 4, 2014

Khoa Nguyen  
Director, Office of Technical Services  
Federal Highway Administration  
545 John Knox Road, Suite 200  
Tallahassee, Florida 32303

Re: State Specifications and Estimates Office  
Section **455**  
Proposed Specification: **4551000 Structures Foundations.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

This change was proposed by Juan Castellanos of the State Construction Office to remove a requirement from the Pile Installation Plan (PIP) that is creating unnecessary rejections and re-submittals.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to SP965DS or daniel.scheer@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

signature on file

Daniel Scheer, P.E.  
State Specifications Engineer

DS/ot

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**STRUCTURES FOUNDATIONS.**  
**(REV 10-9-14)**

ARTICLE 455-10 is deleted and the following substituted:

**455-10 Pile Installation Plan.**

**455-10.1 General:** Complete the Pile Driving Installation Plan form provided by the Engineer. Return the Pile Driving Installation Plan information to the Engineer at the preconstruction conference or no later than 30 days before driving the first pile. Ensure the Pile Driving Installation Plan information includes the following:

1. List and size of proposed equipment including cranes, barges, driving equipment, jetting equipment, compressors, and preformed pile hole equipment. Include manufacturer's data sheets on hammers.
2. Methods to determine hammer energy in the field for determination of pile capacity. Include in the submittal necessary charts and recent calibrations for any pressure measuring equipment.
3. Detailed drawings of any proposed followers.
4. Detailed drawings of templates.
5. Details of proposed load test equipment and procedures, including recent calibrations of jacks and required load cells.
6. Sequence of driving of piles for each different configuration of pile layout.

~~7. Proposed schedule for test pile program and production pile driving.~~

- ~~87.~~ Details of proposed features and procedures for protection of existing structures.
- ~~98.~~ Required shop drawings for piles, cofferdams, etc.
- ~~109.~~ Methods and equipment proposed to prevent displacement of piles during placement and compaction of fill within 15 feet of the piles.
- ~~110.~~ Methods to prevent deflection of battered piles due to their own weight and to maintain their as-driven position until casting of the pile cap is complete.
- ~~1211.~~ Proposed pile splice locations and details of any proprietary splices anticipated to be used.
- ~~1312.~~ Methods and equipment proposed to prevent damage to voided or cylinder piles due to interior water pressure.

*Notify the Engineer of any test pile driving and production pile driving at least 1 week prior to beginning the installation operations of any pile.*

**455-10.2 Acceptance of Equipment and Procedures:** All equipment and procedures are subject to satisfactory field performance. Make any required changes that may result from unsatisfactory field performance. The Engineer will give final acceptance after the Contractor makes necessary modifications. Do not make any changes in the driving system after acceptance without authorization of the Engineer. A hammer repaired on site or removed from the site and returned is considered to have its performance altered (efficiency increased or decreased), which is considered a change in the driving system and is subject to a dynamic load test in accordance with 455-5.13 at no additional compensation.

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4. Detailed drawings of templates.
5. Details of proposed load test equipment and procedures, including recent calibrations of jacks and required load cells.
6. Sequence of driving of piles for each different configuration of pile layout.
7. Details of proposed features and procedures for protection of existing structures.
8. Required shop drawings for piles, cofferdams, etc.
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