



*Florida Department of Transportation*

**RICK SCOTT**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**JIM BOXOLD**  
SECRETARY

**MEMORANDUM**

**DATE:** August 5, 2015

**TO:** Tom Byron, Chief Engineer

**FROM:** Tim Lattner, Director, Office of Design  
David Sadler, Director, Office of Construction  
Rudy Powell, Director, Office of Maintenance

**COPIES:** Daniel Scheer, State Specifications Engineer

**SUBJECT:** Mandatory Specification Revision No. 4  
July 2015 Workbook and eBook

I approve the implementation plan of the subject Specification.

Tim Lattner	<u>Signature on file</u> Director, Office of Design	<u>8/5/2015</u> Date
David Sadler	<u>Signature on file</u> Director, Office of Construction	<u>8/5/2015</u> Date
Rudy Powell	<u>Signature on file</u> Director, Office of Maintenance	<u>8/6/2015</u> Date



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GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

JIM BOXOLD  
SECRETARY

### MEMORANDUM

**DATE:** August 5, 2015

**TO:** District Specifications Engineers

**FROM:** Daniel Scheer, State Specifications Engineer

**CC:** State Specifications and Estimates Office  
Tim Lattner, Director, Office of Design  
David Sadler, Director, Office of Construction  
Amy Tootle, State Construction Engineer  
Rudy Powell, Director, Office of Maintenance

**SUBJECT:** MANDATORY SPECIFICATIONS REVISIONS  
July 2015 Workbook and eBook: Mandatory Revision No. 4

Mandatory No. 4 is issued to include the following Special Provision for lettings beginning July 1, 2015 and forward.

Revise specification packages as described below for the effective letting date as noted:

Specification Number	Heading	Revision Date	Effective Letting Date	Remarks
SP4550502	Structures Foundations	8-5-15	7-15	New SP. Usage Note: Jobs with pay item 455- 34.

The Department's budget contains language concerning the instrumentation of concrete piling. This requirement is valid for all conventional design-bid-build projects containing Prestressed Concrete Piling with letting dates this fiscal year. Projects utilizing foundations constructed of steel piles, drilled shafts or spread footings and all design build projects are exempt from this requirement.

To accommodate the requirements, all projects utilizing concrete piling shall require 100% Dynamic Testing utilizing either internal or external instrumentation as selected by the contractor at the time of bid and reflected in the appropriate pay item. Each project shall bid alternates based on the monitoring systems. No revisions to current pile quantities is required and the piling quantities for both alternates will be the same. The pile data table will need to be modified to

require 100% testing, with or without test piles and pay item summary sheets will need to be modified to reflect the alternate bids and new pay items. This change will be added to all projects with concrete piling to denote the special pay items and associated language. The current pay items for concrete piles have been blocked. The current pay items for Test Piles will remain valid.

Each district is responsible for identifying all projects using prestress concrete piles that are bid this fiscal year and implementing these changes accordingly.

New pay items for these projects are:

Alternate 1: Dynamic Testing with Internal Gauges

- 455-34-103 Prestressed Concrete Piling, Includes 100% Dynamic Testing with Internal Gauges, 18" SQ
- 455-34-105 Prestressed Concrete Piling, Includes 100% Dynamic Testing with Internal Gauges, 24" SQ
- 455-34-106 Prestressed Concrete Piling, Includes 100% Dynamic Testing with Internal Gauges, 30" SQ
- 455-34-107 Prestressed Concrete Piling, Includes 100% Dynamic Testing with Internal Gauges, 36" SQ

Alternate 2: Dynamic Testing with External Gauges

- 455-34-203 Prestressed Concrete Piling, Includes 100% Dynamic Testing with External Gauges, 18" SQ
- 455-34-205 Prestressed Concrete Piling, Includes 100% Dynamic Testing with External Gauges, 24" SQ
- 455-34-206 Prestressed Concrete Piling, Includes 100% Dynamic Testing with External Gauges, 30" SQ
- 455-34-207 Prestressed Concrete Piling, Includes 100% Dynamic Testing with External Gauges, 36" SQ