
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

Contact Information:

Date: July 6, 2022

Originator: Joshua Turley

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Standard Plans:

Index Number: 455-002

Sheet Number (s): 1 of 1

Index Title: SQUARE PRESTRESSED CONCRETE PILE SPLICES

Summary of the changes:

Sheet1: Updated language in notes and details for clarity.

Commentary / Background:

Andre made changes to the language to simplify and add clarity.

Other Affected Offices / Documents: (Provide name of person contacted)

Yes	No	
☐	☒	Other Standard Plans –
☐	☒	FDOT Design Manual –
☐	☒	Basis of Estimates Manual –
☐	☒	Standard Specifications –
☐	☒	Approved Product List –
☐	☒	Construction –
☐	☒	Maintenance –

Origination Package Includes: (Submit package to Rick Jenkins)

Yes	N/A	
☒	☐	Redline Mark-ups
☐	☐	Revised or Proposed Standard Plan Instruction (SPI)
☐	☐	Other Support Documents

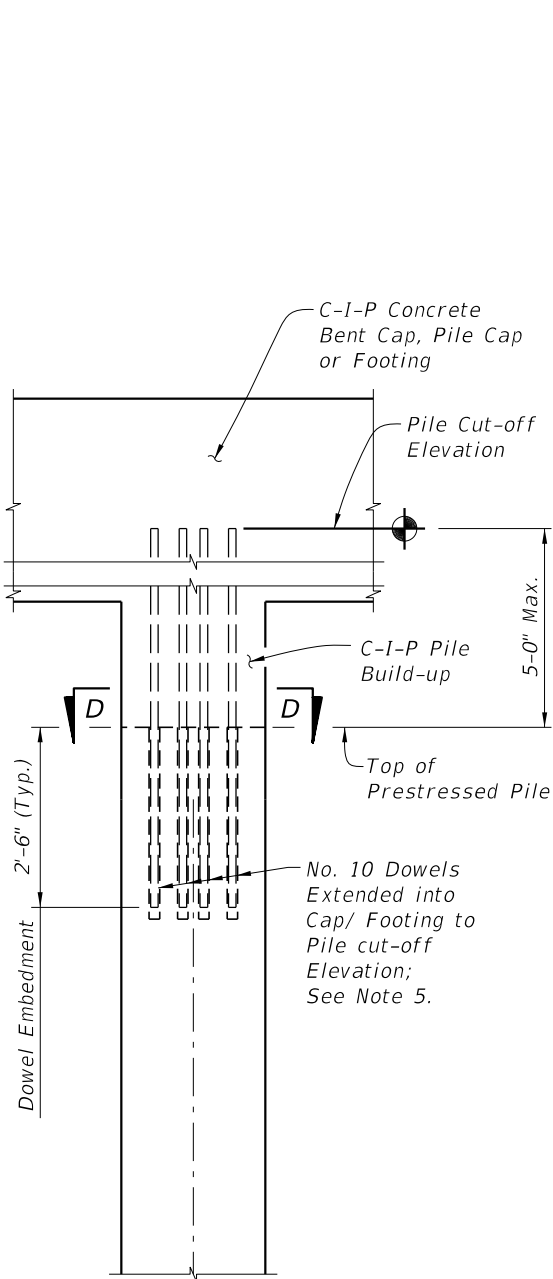
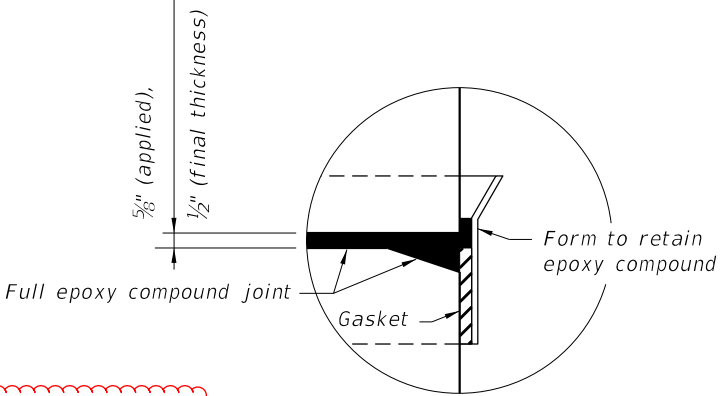
Implementation:

☐	Design Bulletin (Interim)
☐	DCE Memo
☐	Program Mgmt. Bulletin
☒	FY-Standard Plans (Next Release)

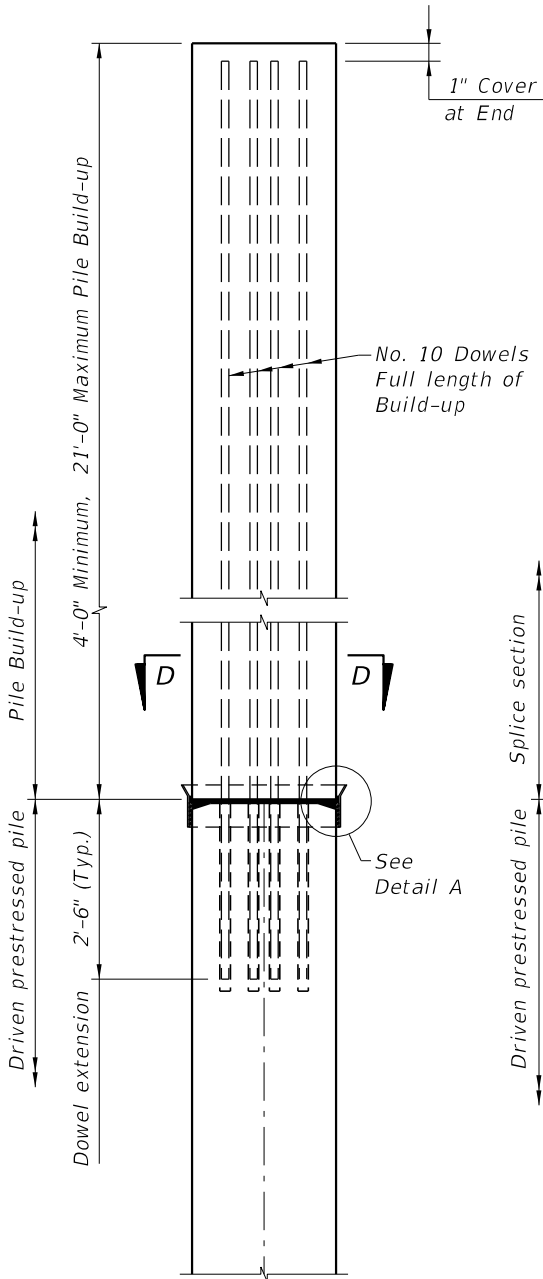
Contact the Roadway Design Office for assistance in completing this form

Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us

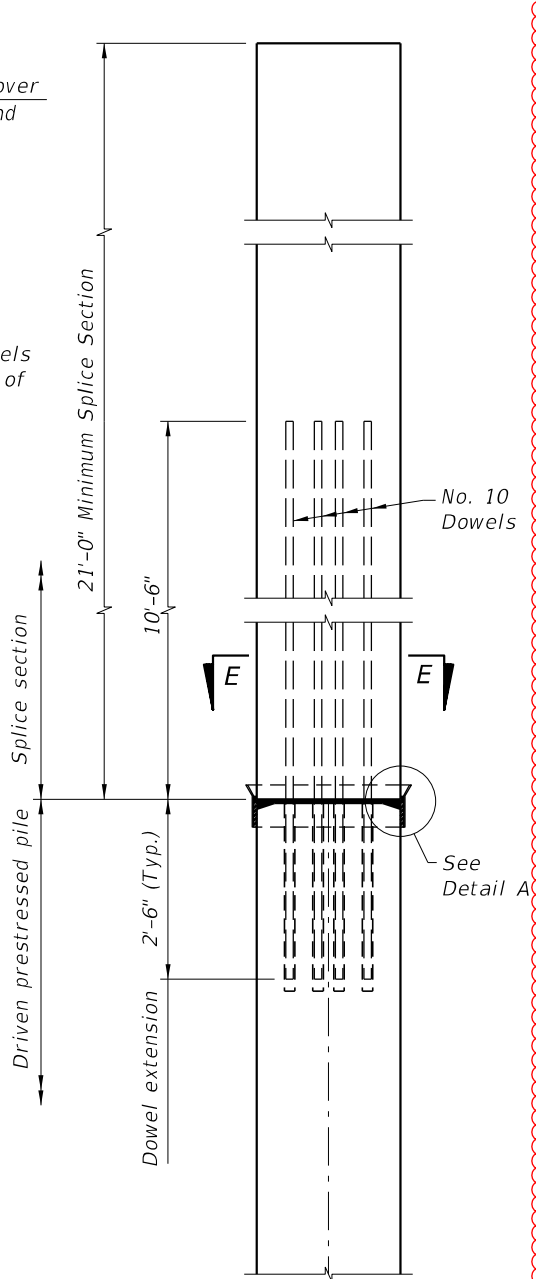
- NOTES:
- For Sections D-D, E-E, & F-F see Index 455-012 thru 455-030 for applicable concrete pile size and Pile Splice Reinforcement Details.
 - Prestressing strands, spiral ties and/or reinforcement are not shown for clarity.
 - ~~In cases where pile splices are desired due to length limitations in shipping and handling, the "Drivable Preplanned Prestressed Precast Splice Detail" shall be used.~~
When necessary, limitations, use Planned or Mechanical Pile Splices contained on the Approved Products List (APL) may also be used.
 - When preformed dowel holes are utilized, the 1" spiral tie pitch shall be continued to 4'-0" below the head of the pile. See Index 455-018, 455-020 & 455-024. ~~Preformed holes shall utilize either removable preforming material or stay-in-place corrugated galvanized steel ducts. Stay-in-place ducts shall be fabricated from galvanized sheet steel meeting the requirements of ASTM A653, Coating Designation G90, 26 gauge. Ducts shall be 2" diameter, with a minimum corrugation (rib) height of 0.12 in. Ducts shall be fabricated with either welded or interlocked seams. Galvanizing of welded seams with is not be required.~~
For preformed Specification Use ducts
 - For tension piles where top of Prestressed Pile is less than 3 feet below Pile Cut-off Elevation, extend No. 10 Dowels into cap beyond Pile Cut-off Elevation to achieve development as approved by the Engineer.



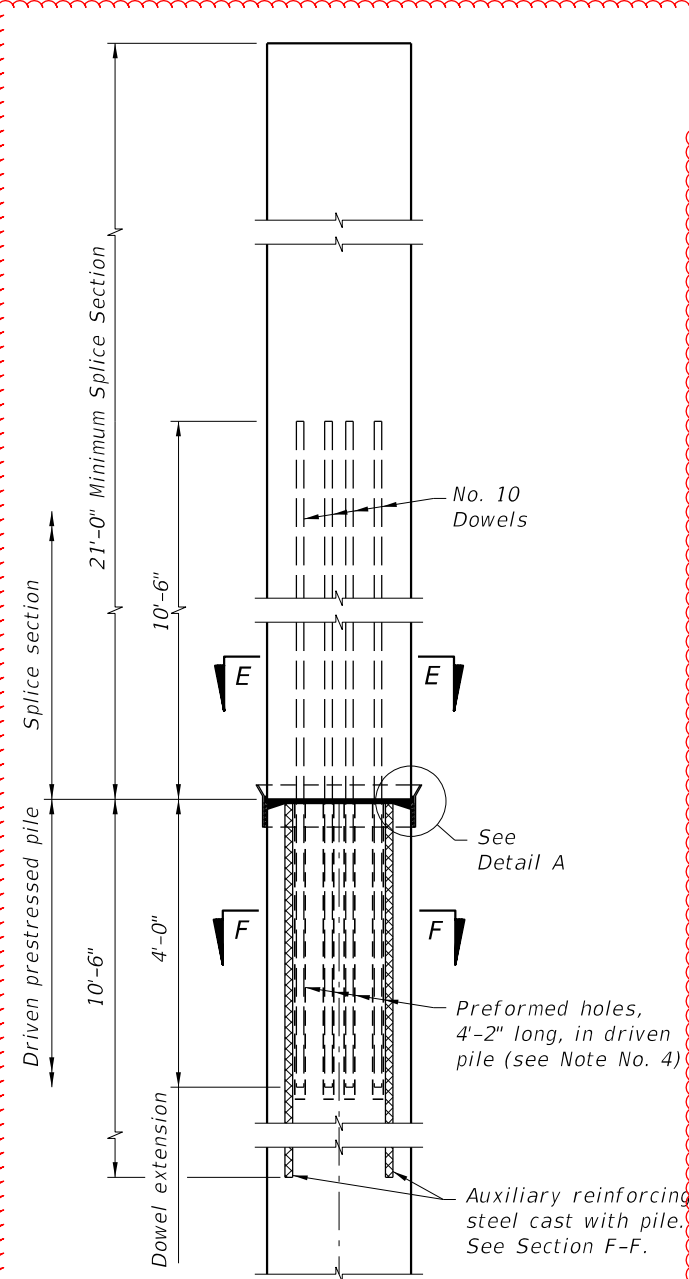
UNPLANNED
UNFORESEEN
REINFORCED C-I-P
PILE BUILD-UP DETAIL



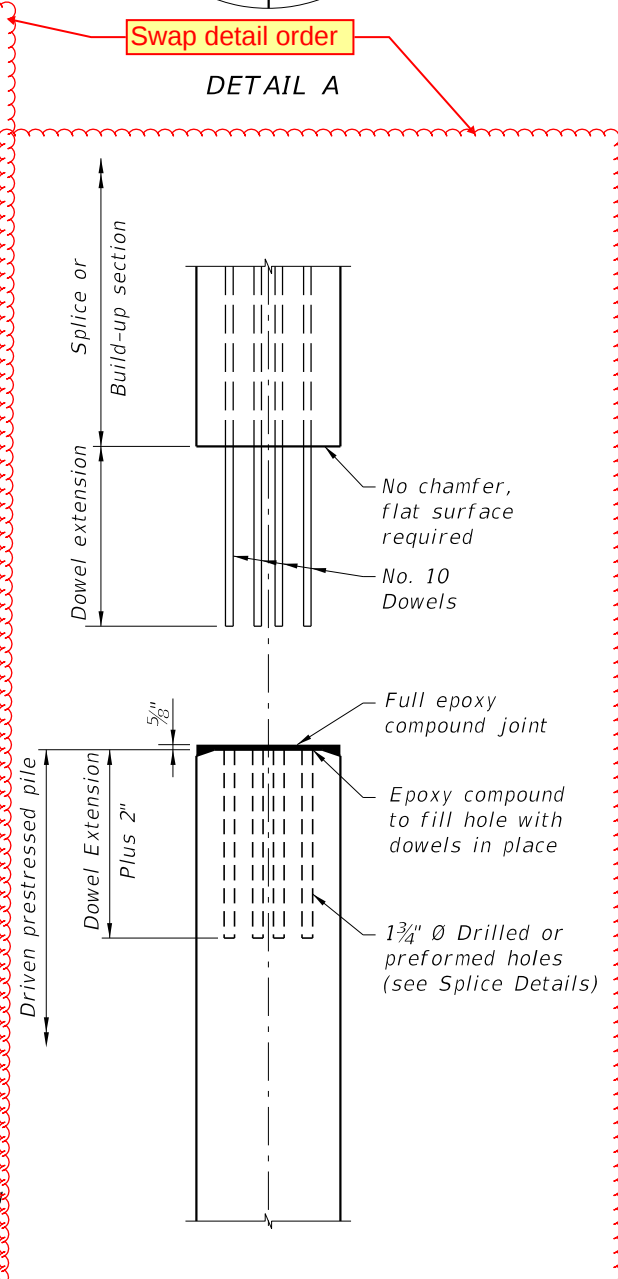
UNPLANNED
UNFORESEEN
NON-DRIVABLE REINFORCED PRECAST
PILE BUILD-UP DETAIL



UNPLANNED
UNFORESEEN
DRIVABLE PREPLANNED
PRESTRESSED PRECAST
PILE SPLICE DETAIL



SPLICE AFTER BONDING
DRIVABLE PREPLANNED
PRESTRESSED PRECAST
PILE SPLICE DETAIL



TYPICAL SPLICE
BEFORE BONDING

Move to center under details

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LAST REVISION		DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	SQUARE PRESTRESSED CONCRETE PILE SPLICES	INDEX 455-002	SHEET 1 of 1
07/01/14	11/01/22						

