ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:
Date: June 18, 2021
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Summary of the changes:
Sheet 1: Updated Note 3.B (Deleted "standard load transfer" and changed Spacing of #5 bars from 38");
Updated Note 7 to revise reference to Specification 350 and Specification 931;
Correct line work to extend to the bottom of the pavement in the BUTT CONSTRUCTION JOINT details;
Added "Relation of Dowels to Tie Bars" detail.

Commentary / Background:
Rev 1: Clarification-Butt Construction Joints should be depicted to show the joint extending from the top of the slab all the way to the bottom of the slab. Rev 2: Correction-tie bars are not used for load transfer. Rev 3: Change-tie bar spacing changed to provide a consistent and even spacing for slabs, which are typically 15' long. Rev 4: new detail.

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 – Tie bar revisions were coordinated with Rich Hewitt
☐ ☑ Maintenance –

Origination Package Includes:
(Email or hand deliver package to Rick Jenkins)
Yes N/A
☑ ☐ Redline Mark-ups
☐ ☐ Proposed Standard Plan Instruction (SPI)
☐ ☐ Revised 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
**LONGITUDINAL JOINTS**

**TRANSVERSE JOINTS**

**ADDED “RELATION OF DOWELS TO TIE BARS” DETAIL**

**UPDATED NOTE 7:** Coat plain steel dowel bars and welded wire basket assemblies in accordance with Specification 931. Lubricate dowel bars in accordance with Specification 350.

**CHANGED TO: 36°**

**DELETED**

**CONTENT:****

1. For joint seal dimensions see Sheet 2.
2. For slabs poured simultaneously, tie bars may be inserted in the plastic concrete by means approved by the Engineer.
3. For Longitudinal Joints:
   - Tie bars are deformed #4 or #5 reinforcing steel bars meeting the requirements of Specification 931.
   - Provide a standard load transfer tied joint with Specification 931. Not required when otherwise noted in the plans.
4. Transverse joints are to be spaced at a maximum of 15'. Dowels are required at all transverse joints unless otherwise noted in the plans.
5. Expansion joints to be placed at street intersections and other locations as indicated in the Plans. For bridge expansion joints, see Index 370-001.
6. Punch clean holes in preformed joint filler greater than bar diameter.
7. Coat and lubricate plain steel dowel bars in accordance with Specification 350.
NOTES:
1. For joint seal dimensions see Sheet 2.
2. For slabs poured simultaneously, tie bars may be inserted in the plastic concrete by means approved by the Engineer.
3. For Longitudinal Joints:
   A. Tie bars are deformed #4 or #5 reinforcing steel bars meeting the requirements of Specification 931.
   B. Provide a tied joint with #4 bars 25" in length or #5 bars 30" in length at 36" spacing.
4. Transverse joints are to be spaced at a maximum of 15'. Tie bars are required at all transverse joints unless otherwise noted in the plans.
5. Expansion joints to be placed at street intersections and other locations as indicated in the Plans.
   For bridge expansion joints, see Index 370-001.
6. Punch clean holes in preformed joint filler greater than bar diameter.
7. Coat plain steel dowel bars and welded wire basket assemblies in accordance with Specification 931.
   Lubricate dowel bars in accordance with Specification 350.

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7. Coat plain steel dowel bars and welded wire basket assemblies in accordance with Specification 931.
   Lubricate dowel bars in accordance with Specification 350.