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## ORIGINATION FORM

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

### **Contact Information:**

Date: July 13, 2021  
Originator: Mary Jane Hayden  
Phone: (850) 414-4783  
Email: MaryJane.Hayden@dot.state.fl.us

### **Standard Plans:**

Index Number: 370-001  
Sheet Number (s): 1 of 1  
Index Title:  
Bridge Approach Expansion Joint Concrete  
Pavement with Special Select Soil Base



### **Summary of the changes:**

- Changed "Class I" to "Class II" in SECTION A-A.
- Revised Note 1 to read " For asphalt base, use four expansion joints, spaced at 15-ft, per Index 350-001."

General Note 1 provides direction to use 4 expansion joints per Index 350-001, which provides the required joint dimensions. However, it is not clear what the required spacing of these 4 expansion joints should be. Spacing between these joints (for asphalt base concrete pavements) should be 15'. Clarification of General Note 1 to indicate the required spacing of the 4 expansion joints needed for asphalt base concrete pavements.



### **Commentary / Background:**

Changed to Class II to reflect SMO Specification change that removes the designation for Class I Concrete. Please see the attached Standard Specification Section 346 DRAFT for the Class I revisions proposed by the State Materials Office.

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

- | Yes                                 | No                                  |   |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Other Standard Plans –                      |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | FDOT Design Manual –                        |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Basis of Estimates Manual –                 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Standard Specifications – Daniel Strickland |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Approved Product List –                     |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Construction –                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Maintenance –                               |

### **Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

- | Yes                      | N/A                                 |  |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Redline Mark-ups                         |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Revised SPI                              |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Other Support Documents                  |

### **Implementation:**

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

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Contact the Roadway Design Office for assistance in completing this form

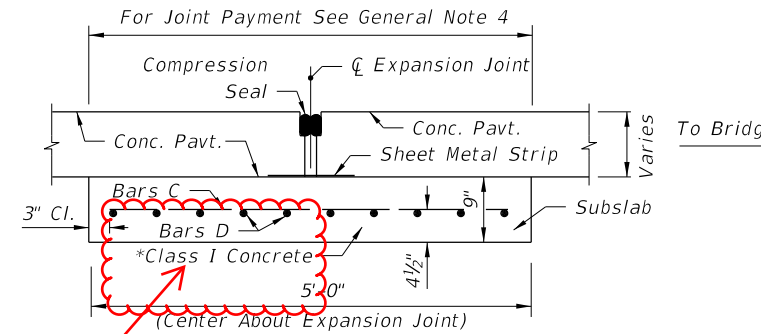
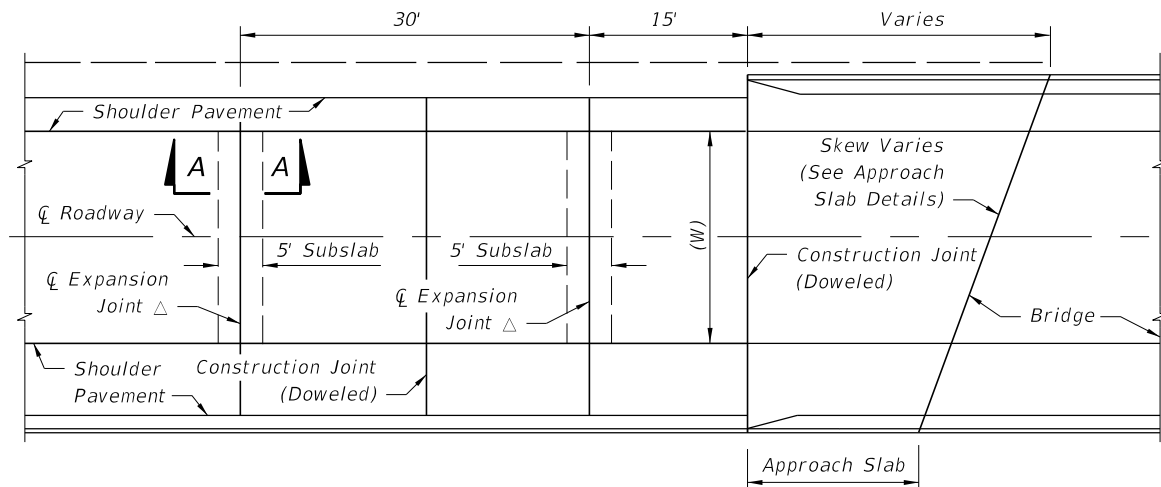
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Email to: Rick Jenkins [rick.jenkins@dot.state.fl.us](mailto:rick.jenkins@dot.state.fl.us) and Darren Martin [darren.martin@dot.state.fl.us](mailto:darren.martin@dot.state.fl.us)

Change note to add: ", spaced at 15 feet,"

**GENERAL NOTES:**

1. For asphalt base, use four expansion joints per Index 350-001.
2. The centerline of roadway and the centerline of bridge do not necessarily coincide. Determine the centerline of the roadway pavement prior to the placement of the expansion joint.
3. For information on other types of concrete pavement joints see Index 350-001.
4. Pay quantity for expansion joint is the length of joint to be constructed across the roadway and shoulder pavements, measured at right angles to the centerline of the roadway. Payment for expansion joint is full compensation for joint construction, including reinforced concrete subslab, sheet metal strip and compression seal, but, not including roadway pavement reconstruction associated with joint replacement or reconstruction. Expansion joint to be paid for under the contract unit price for Bridge Approach Expansion Joint, LF.



REINFORCING STEEL				
Mark	Size	Spac.	No. Reqd.	Length
C	5	6"	Varies	4'-6"
D	5	6"	10	W Minus 6"

\* Finish surface smooth. Cure with heavy coating of wax base white pigmented curing compound. Apply second application immediately prior to placing pavement.

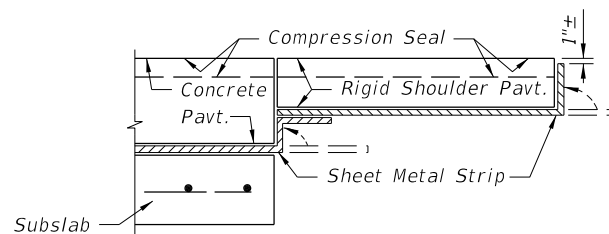
△ Construct Expansion Joints Parallel To The Existing Transverse Pavement Joints On Rehabilitation Projects, And Parallel To The Standard Transverse Pavement Joints Shown In The Plans For New Construction.

CHANGED TO: Class II

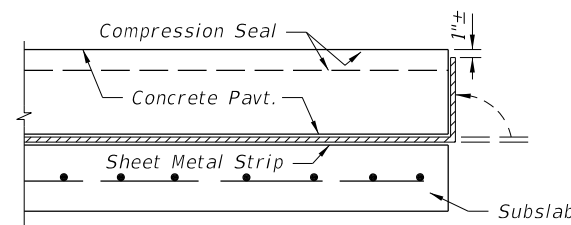
PLAN

SECTION A-A

EXPANSION JOINT



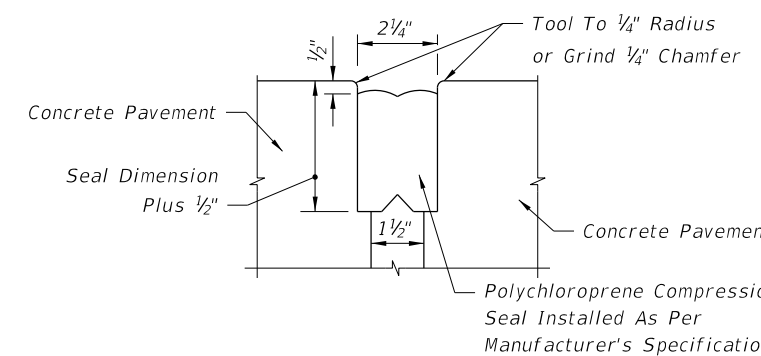
RIGID SHOULDER PAVEMENT



SODDED SHOULDER OR FLEXIBLE SHOULDER PAVEMENT

NOTES:

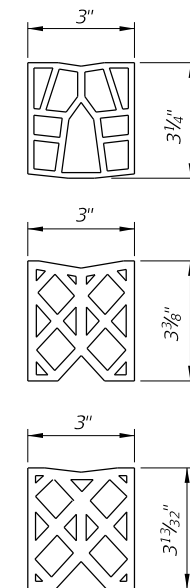
1. Immediately prior to placing the seal, thoroughly clean the joint of all foreign material. Immediately after the seal is placed, bend up the sheet metal strip against the pavement edge.
2. Use a minimum 16 gage steel, 12" wide sheet metal strip, Galvanized in accordance with ASTM A-526, Coating Designation G90.



NOTE:

Thoroughly coat all contacting surfaces between the compression seal and concrete with a lubricant-adhesive.

JOINT DIMENSIONS



OPTIONAL SEALS

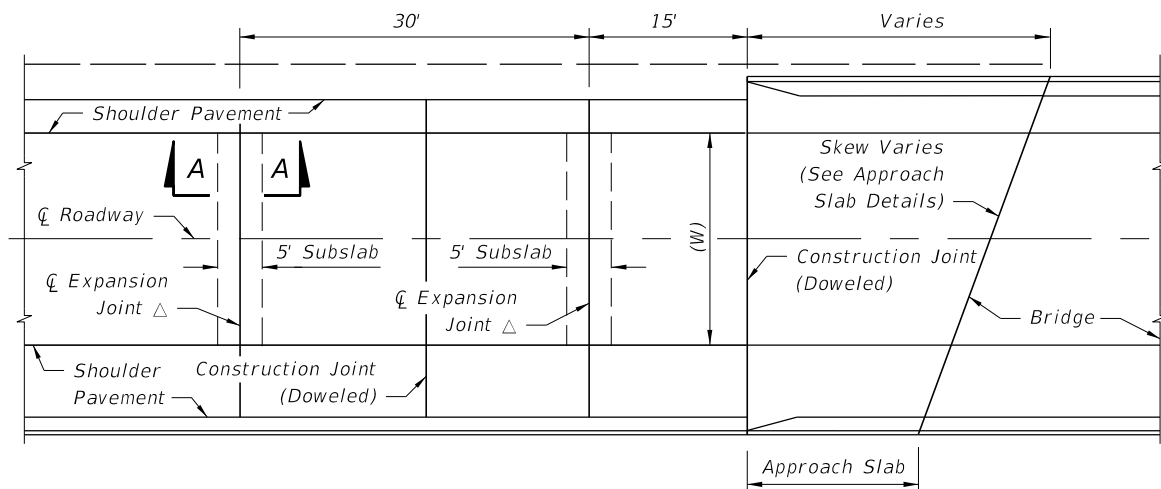
SHEET METAL STRIP DETAILS

COMPRESSION SEAL DETAIL

10/12/2020 6:39:59 AM

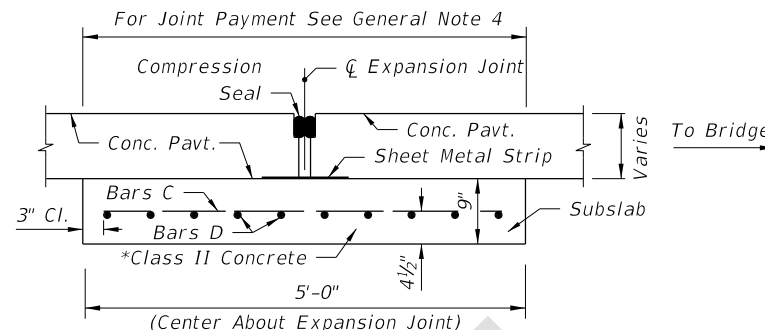
11/01/21

LAST REVISION 11/01/19	DESCRIPTION:	FDOT FY 2021-22 STANDARD PLANS	BRIDGE APPROACH EXPANSION JOINT CONCRETE PAVEMENT WITH SPECIAL SELECT SOIL BASE	INDEX 370-001	SHEET 1 of 1
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△ Construct Expansion Joints Parallel To The Existing Transverse Pavement Joints On Rehabilitation Projects, And Parallel To The Standard Transverse Pavement Joints Shown In The Plans For New Construction.

PLAN



REINFORCING STEEL				
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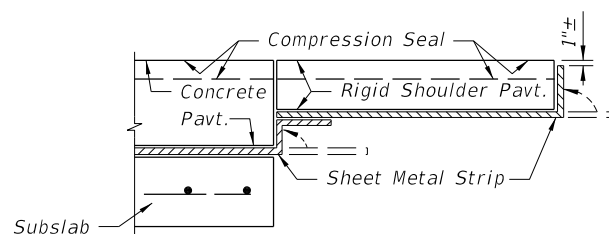
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SECTION A-A

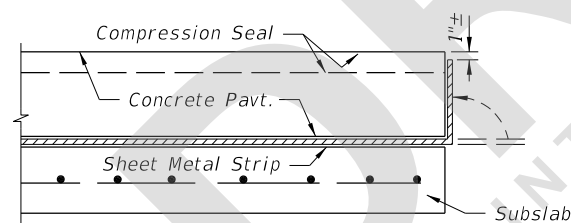
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EXPANSION JOINT



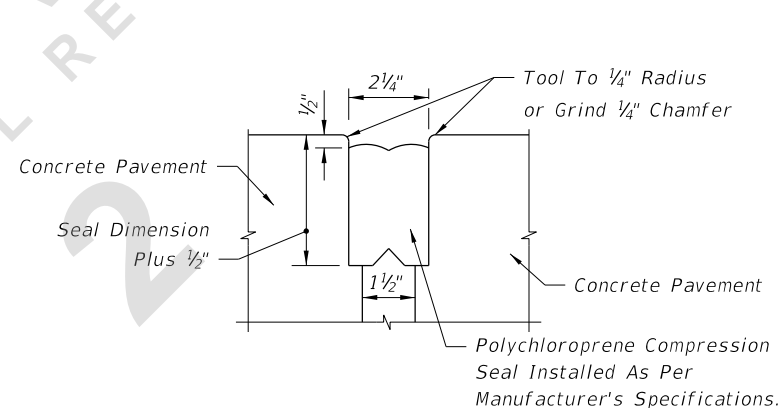
RIGID SHOULDER PAVEMENT



SODDED SHOULDER OR FLEXIBLE SHOULDER PAVEMENT

**NOTES:**

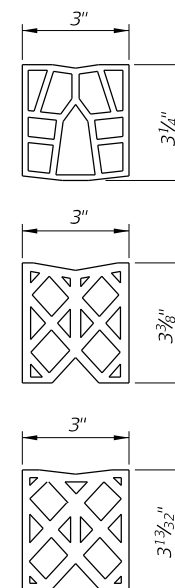
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**NOTE:**

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JOINT DIMENSIONS



OPTIONAL SEALS

SHEET METAL STRIP DETAILS

COMPRESSION SEAL DETAIL

8/5/2021 9:02:35 AM

LAST REVISION 11/01/21	DESCRIPTION:		FY 2022-23 STANDARD PLANS	BRIDGE APPROACH EXPANSION JOINT CONCRETE PAVEMENT WITH SPECIAL SELECT SOIL BASE	INDEX	SHEET
					370-001	1 of 1