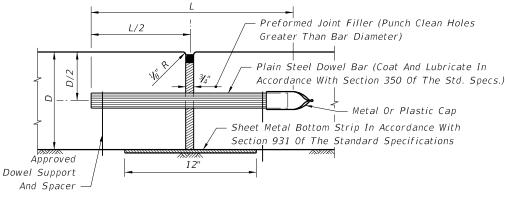


METAL OR PLASTIC CAPS FOR DOWEL BARS

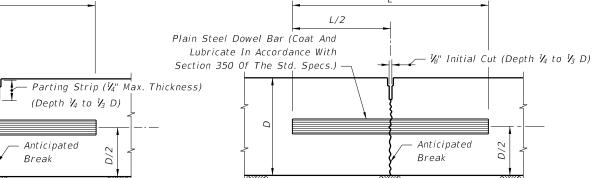


L/2 Plain Steel Dowel Bar (Coat And Lubricate In Accordance With Section 350 Of The Std. Specs.)

BUTT CONSTRUCTION JOINT TO BE USED AT DISCONTINUANCES OF WORK

Note: Expansion joints to be placed on approaches to bridges, at street intersections and other locations indicated in detail plans. TRANSVERSE EXPANSION JOINT

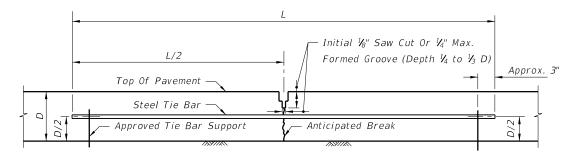




Approx. 3" Top Of Pavement Steel Tie Bar

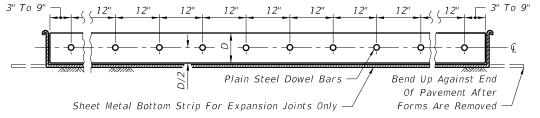
LONGITUDINAL BUTT CONSTRUCTION JOINT

L/2



Note: Slabs poured simultaneously. Tie bars may be inserted in the plastic concrete by means approved by the Engineer.

TRANSVERSE CONTRACTION JOINT, VIBRO CAST METHOD TRANSVERSE CONTRACTION JOINT, SAWED METHOD



DOWEL BAR LAYOUT

(Depth 1/4 to 1/3 D)

Anticipated

DOWELS (LENGTH 18")				
Pavement Thickness "D"	Diameter			
6"-6 ¹ / ₂ "	3∕4"			
7"-8½"	1"			
9"-10½"	1 1⁄4"			
≥11"	1 ½"			

LONGITUDINAL LANE-TIE JOINT

Tie bars are deformed #4 or #5 reinforcing steel bars meeting the requirements of Section 931 of the Standard Specifications.

Provide a standard load transfer tied joint with #4 bars 25" in length at 24" or #5 bars 30" in length at 38" spacing.

LONGITUDINAL JOINTS

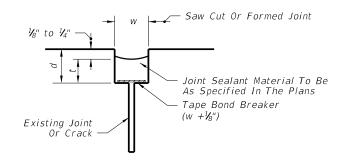
TRANSVERSE JOINTS ARE TO BE SPACED AT A MAXIMUM OF 15'. DOWELS ARE REQUIRED AT ALL TRANSVERSE JOINTS UNLESS OTHERWISE NOTED IN PLANS.

TRANSVERSE JOINTS

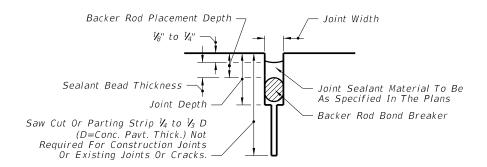
Note: For joint seal dimensions see Sheet 2.

≥ DESCRIPTION: LAST REVISION 07/01/13

2015 FDOT DESIGN STANDARDS



— Saw Cut Or Formed Joint 1⁄8" to 1⁄4" ⋅ ¼"Min., ¹⅓₂" Max. %₁6" Preformed Elastomeric Compression Seal Saw Cut Or Parting Strip $\frac{1}{4}$ to $\frac{1}{3}$ D (D=Conc. Pavt. Thick.) Not Required For Construction Joints. —



Note: Dimension w will be shown in the plans or established by the Engineer based on field conditions. Dimension d will be constructed so that the shape factor w/t has a maximum value of 2.0 and a minimum value of 1.0.

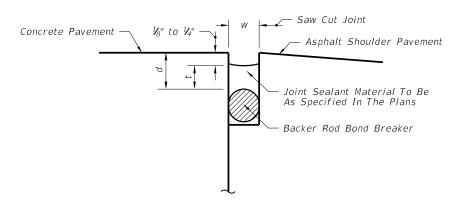
FOR NEW PROJECTS PREFORMED ELASTOMERIC COMPRESSION SEAL

FOR NEW AND REHABILITATION PROJECTS BACKER ROD BOND BREAKER

FOR REHABILITATION PROJECTS TAPE BOND BREAKER

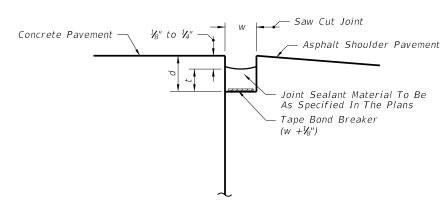
CONCRETE-CONCRETE JOINTS

 $d = w = \frac{3}{4}$ " Unless Specified Otherwise In The Plans



BACKER ROD BOND BREAKER

 $d = w = \frac{3}{4}$ " Unless Specified Otherwise In The Plans



TAPE BOND BREAKER

FOR NEW AND REHABILITATION PROJECTS; EITHER TAPE OR BACKER ROD BOND BREAKER REQUIRED; SHOULDER MUST BE REPAIRED IF PROPER JOINT SHAPE CAN NOT BE ATTAINED

CONCRETE-ASPHALT SHOULDER JOINTS

BACKER ROD BOND BREAKER (CONCRETE-CONCRETE JOINTS)

	•			
	JOINT	DIMENSION	S (INCHES)	
JOINT WIDTH	SEALANT BEAD THICKNESS	BACKER ROD DIA.	MINIMUM JOINT DEPTH	BACKER ROD PLACEMENT DEPTH
1/4	V_4	¾8	1	V_2
3∕8	V ₄	1∕2	1 ½	1∕2
1/2	1/4	5/8	1 ½	1/2
5∕/8	<i>5</i> ∕ ₁₆	¾4	1½	%₁ ₆
₹/4	¾8	1	1¾ ₄	5/8
7∕8	V₁ ₆	1 ½	1 ¾	11/ ₁₆
1	1/2	1 ½	2	₹4
>1	1/2	1 ½+	2+	₹4

Unless otherwise indicated on the plans the joint width for new construction will be V_4 " for construction joints, $\frac{3}{8}$ " for all other joints.

For rehabilitation projects the joint width will be shown on the plans or established by the Engineer based on field conditions.

JOINT SEAL DIMENSIONS

LAST REVISION 07/01/00

≥ DESCRIPTION:

2015 DESIGN STANDARDS INDEX SHEET NO.

Note: After the concrete has set to the extent that the Keyway will retain its shape, the hex bolt and plastic insert shall be removed.

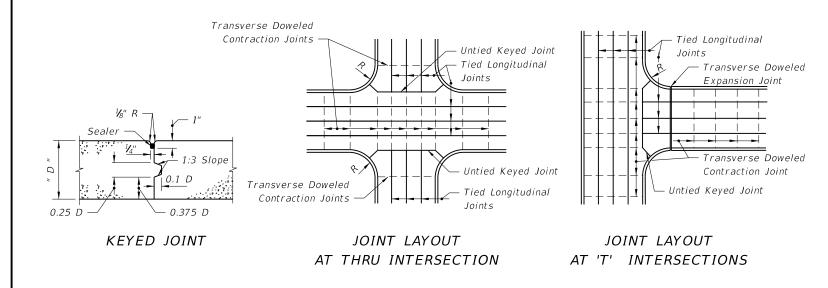
The remaining portion of the hook bolt assembly shall be installed immediately prior to placing of concrete in the adjacent lane.

Anchor bolts shall be Grade C in accordance with ASTM A 307.

Threaded sleeves shall develop the full strength of the bolt and meet the material and thread requirements of ASTM A 563.

ALTERNATE KEYWAY AND HOOK BOLT

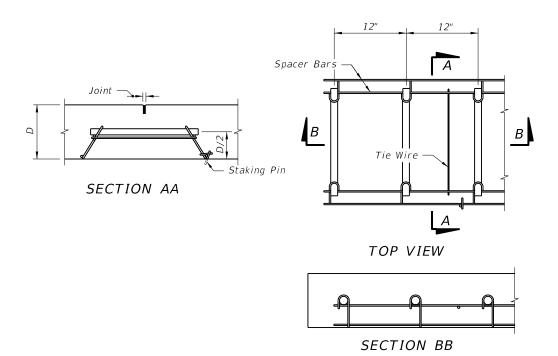
STEEL HOOK BOLT ASSEMBLY



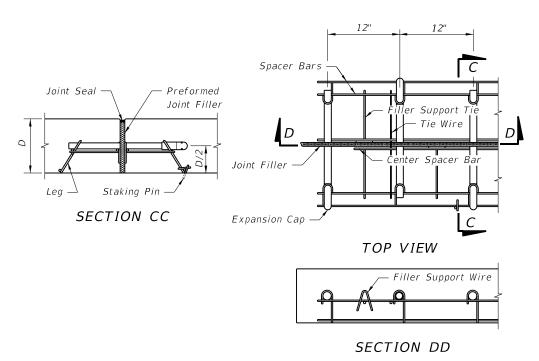
JOINT ARRANGEMENT

NOTES

- 1. Longitudinal joints will not be required for single lane pavement 14' or less in width. For entrance and exit ramp joint details, see Sheet 4.
- 2. Arrangement of longitudinal joints are to be as directed by the Engineer.
- 3. All manholes, meter boxes and other projections into the pavement shall be boxed-in with 1/2" preformed expansion joint material.



CONTRACTION ASSEMBLY



EXPANSION ASSEMBLY

Note: Proprietary contraction and expansion assemblies may be used. Products shall be introduced to the State Construction Office in accordance with section (C) of the Product Evaluation Procedure.

LAST REVISION 55 07/01/00



