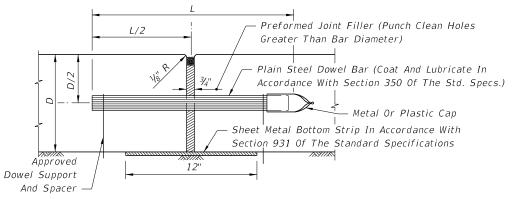
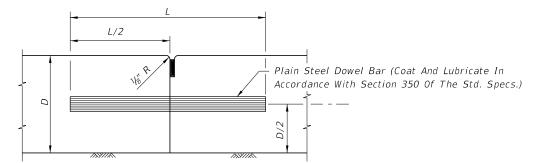


#### METAL OR PLASTIC CAPS FOR DOWEL BARS

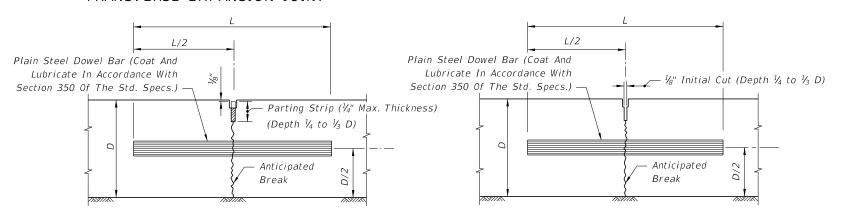




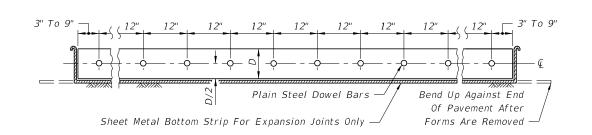
BUTT CONSTRUCTION JOINT TO BE USED AT DISCONTINUANCES OF WORK

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

#### TRANSVERSE EXPANSION JOINT



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

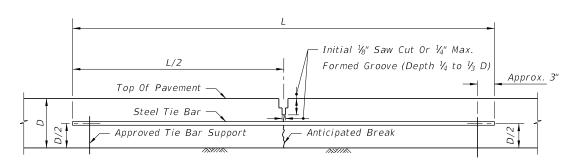


DOWEL BAR LAYOUT

DOWELS (LENGTH 18")				
Pavement Thickness "D"	Diameter			
6"-6 <sup>1</sup> / <sub>2</sub> "	3/4"			
7"-8½"	1"			
9"-101/2"	1 1/4"			
≥11"	11/2"			

# L/2 Approx. 3" Top Of Pavement Steel Tie Bar Approved Tie Bar Support

# LONGITUDINAL BUTT CONSTRUCTION JOINT



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

#### 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.

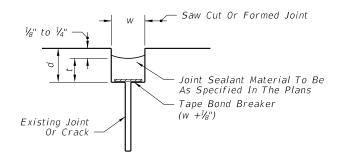
# TRANSVERSE JOINTS

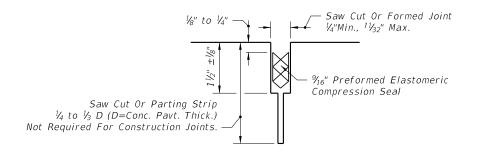
Note: For joint seal dimensions see Sheet 2.

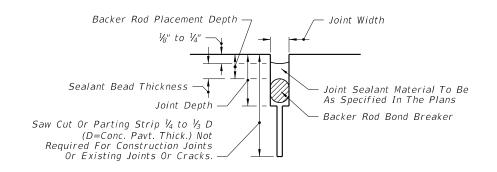
DESCRIPTION: **REVISION** 07/01/13

FDOT

2016 **DESIGN STANDARDS** 







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.

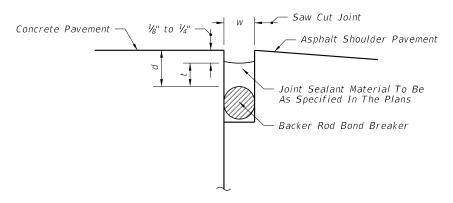
FOR NEW PROJECTS PREFORMED ELASTOMERIC COMPRESSION SEAL

FOR NEW AND REHABILITATION PROJECTS BACKER ROD BOND BREAKER

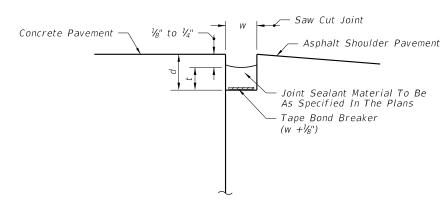
FOR REHABILITATION PROJECTS TAPE BOND BREAKER

CONCRETE-CONCRETE JOINTS

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



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



TAPE BOND BREAKER

BACKER ROD 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

JOINT SEAL DIMENSIONS

BACKER ROD BOND BREAKER (CONCRETE-CONCRETE JOINTS)

JOINT DIMENSIONS (INCHES)					
JOINT WIDTH	SEALANT BEAD	BACKER ROD DIA.	MINIMUM JOINT	BACKER ROD PLACEMENT	
	THICKNESS		DEPTH	DEPTH	
1/4	1/4	3/8	1	1/2	
3/8	1/4	1/2	1 1/4	1/2	
1/2	1/4	5/8	1 1/4	1/2	
5/8	5∕ <sub>16</sub>	3/4	11/2	9 <sub>16</sub>	
3/4	3/8	1	1¾	5/8	
7/8	7∕ <sub>16</sub>	11/8	1¾	11/16	
1	1/2	1 1/4	2	3/4	
>1	1/2	11/4+	2+	3/4	

Unless otherwise indicated on the plans the joint width for new construction will be  $\frac{1}{4}$ " 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.

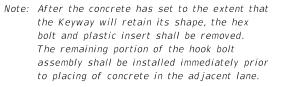
**REVISION** 07/01/00

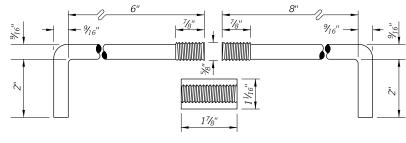
DESCRIPTION:

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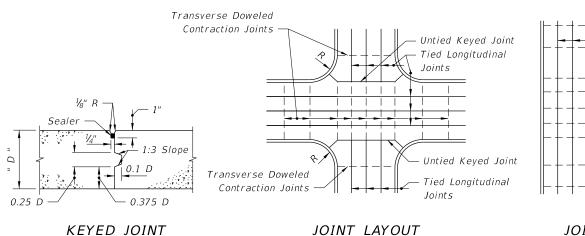


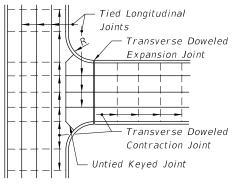
Anchor bolts shall be Grade C in accordance with ASTM A 307.

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





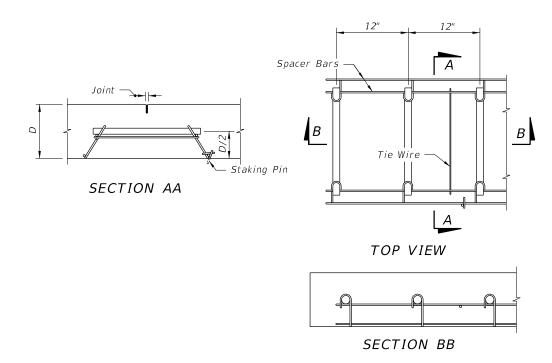
JOINT LAYOUT AT THRU INTERSECTION

JOINT LAYOUT AT 'T' INTERSECTIONS

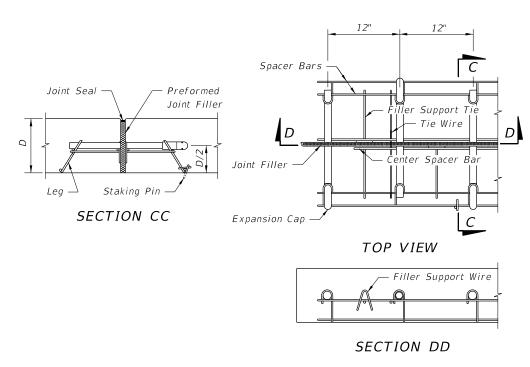
### JOINT ARRANGEMENT

### 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 ½" 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.

REVISION 07/01/00

DESCRIPTION:



