
Index 350-001 Concrete Pavement Joints

ORIGINATION

Date: 6-18-2021

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COMMENTARY

Updated Note 3.B

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.

COMMENTS AND RESPONSES

BLACK = Internal Review Comments **RED** = Standard Plans Response **GREEN** = Change Made to Index

Name: Chase Knight

Date: 8-6-21

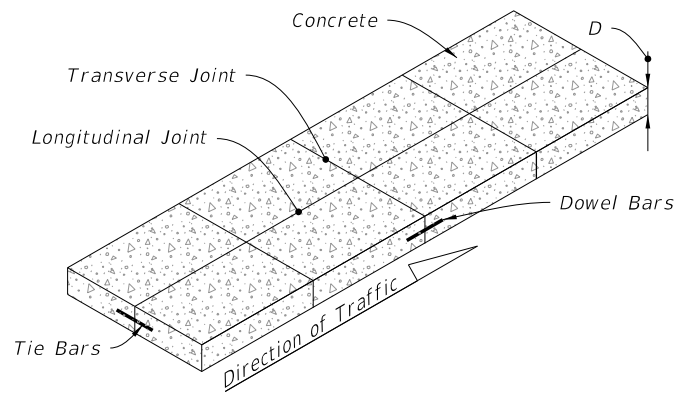
COMMENT:

An update reference to Spec 931 is needed because the coating requirements have been moved to Spec 931. Additional spec revisions (to 931 for 7/22) are just to improve/clarify the coating language. Please update Note 7 to Coat plain steel dowel bars and welded wire basket assemblies in accordance with Specification 931. Lubricate dowel bars in accordance with Specification 350.

RESPONSE: Thanks for the comments. The index will be updated as requested.

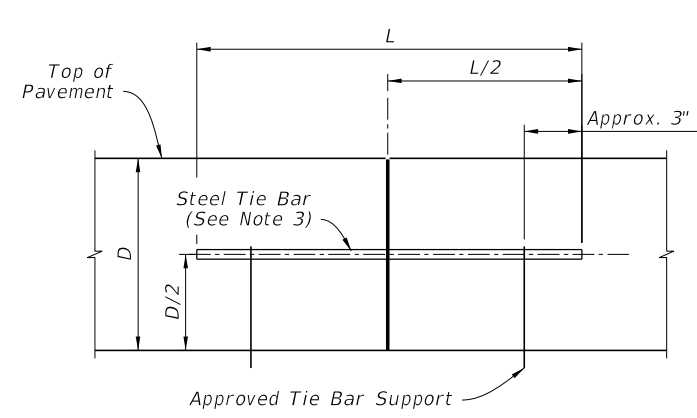
Change made to Index: Update Note 7 to revise reference to Spec 350 and 931.

Date: 8-9-21

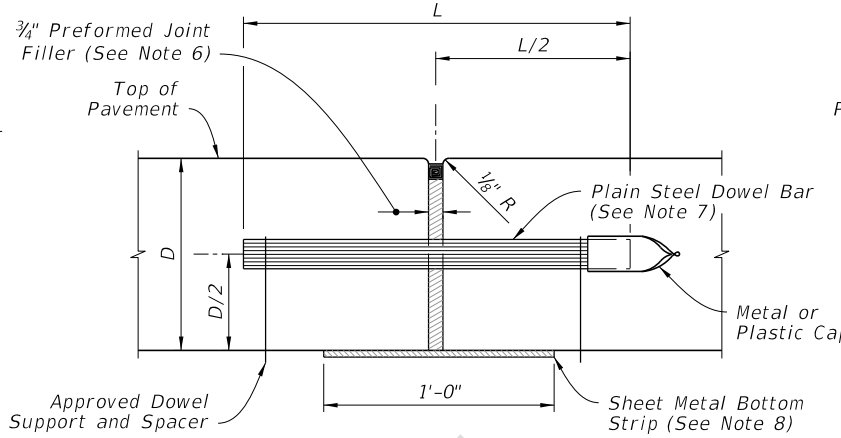


NOTES:

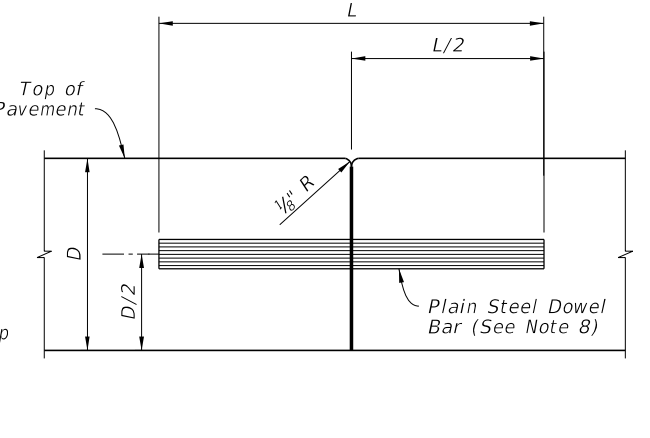
1. For joint seal dimensions see Sheet 2.
2. For slabs poured simultaneously, tie bars may be inserted in the plastic concrete by means approved by the Engineer.
3. For Longitudinal Joints:
 - A. Tie bars are deformed #4 or #5 reinforcing steel bars meeting the requirements of Specification 931.
 - B. Provide a tied joint with #4 bars 25" in length at 24" spacing or #5 bars 30" in length at 36" spacing.
4. Transverse joints are to be spaced at a maximum of 15'. Dowel 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.
8. Sheet metal bottom strips in accordance with Specification 931. Not required with asphalt base.



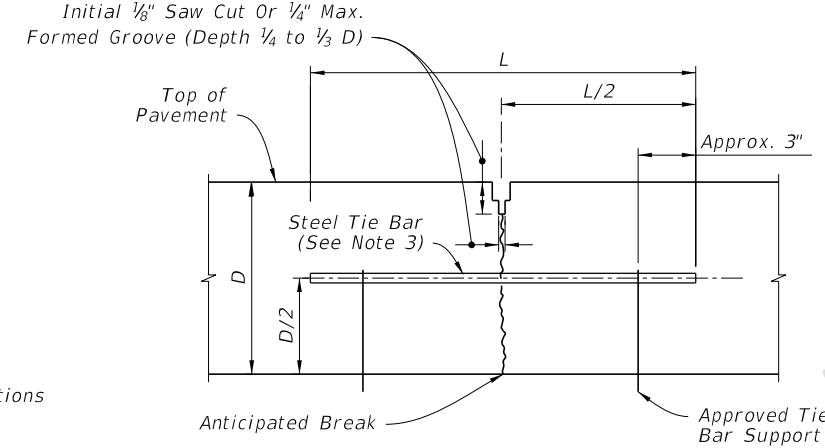
BUTT CONSTRUCTION JOINT



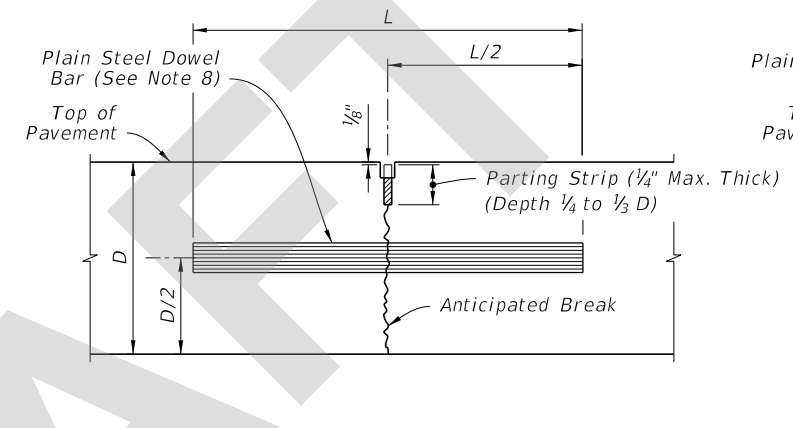
EXPANSION JOINT (See Note 6)



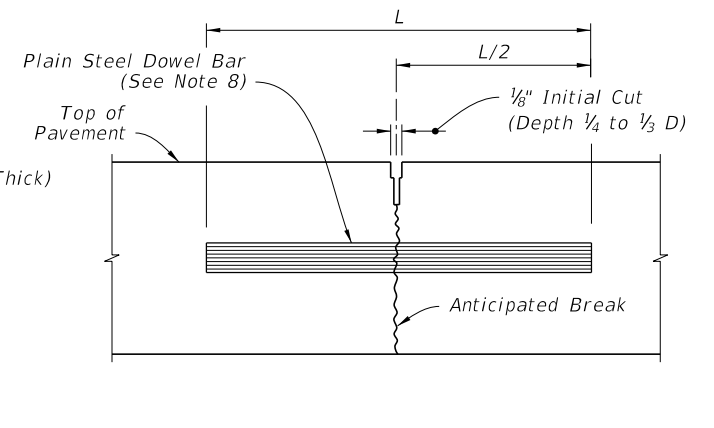
BUTT CONSTRUCTION JOINT (Used At Discontinuance Of Work)



LANE-TIE JOINT (See Note 2)



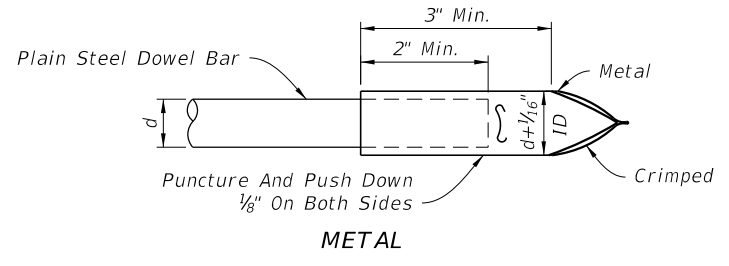
CONTRACTION JOINT (Vibro Case Method)



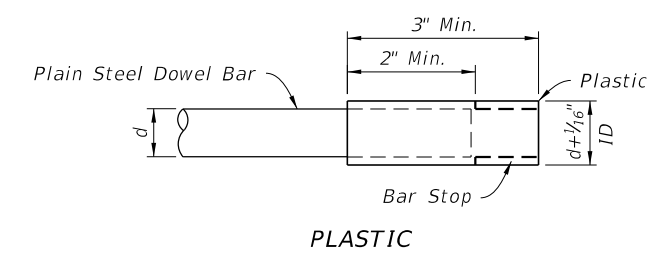
CONTRACTION JOINT (Sawed Method)

LONGITUDINAL JOINTS

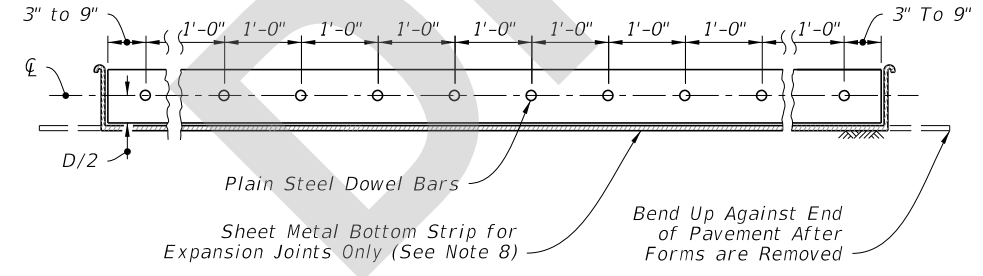
TRANSVERSE JOINTS



METAL

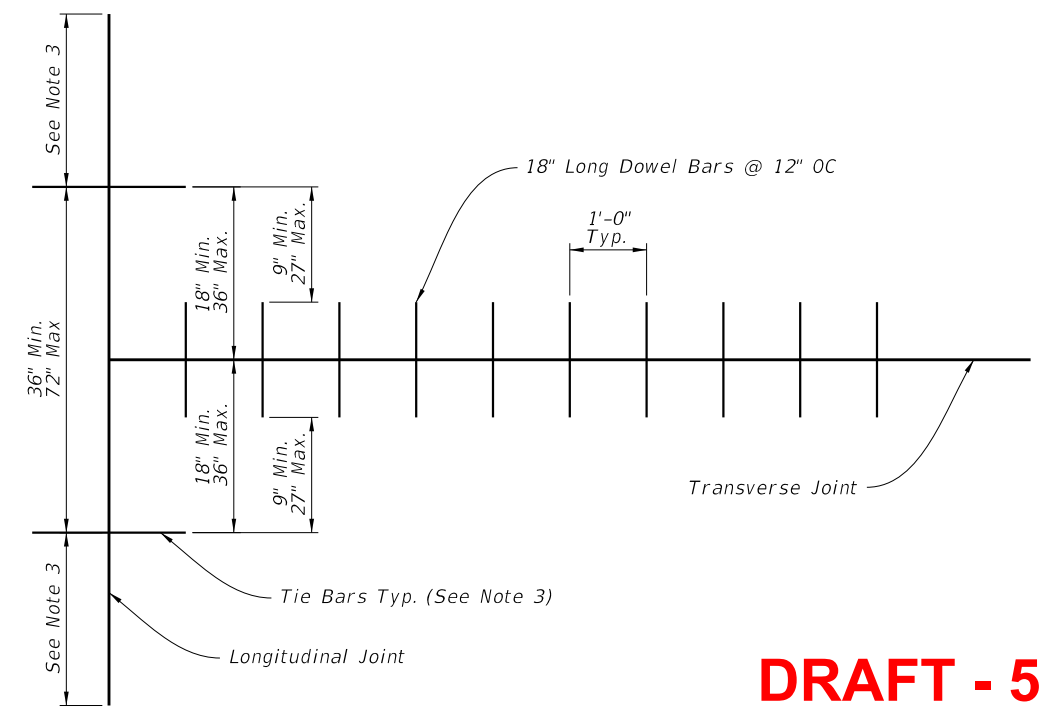


PLASTIC



DOWEL BARS (LENGTH 18")	
Pavement Thickness "D"	Diameter
6"-6 1/2"	3/4"
7"-8"	1"
8 1/2"-10 1/2"	1 1/2"
≥11"	1 1/2"

DOWEL BAR LAYOUT



RELATION OF TIE BARS TO DOWEL BARS

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LAST REVISION 11/01/21	REVISION	DESCRIPTION:		FY 2022-23 STANDARD PLANS	CONCRETE PAVEMENT JOINTS	INDEX 350-001	SHEET 1 of 4
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