

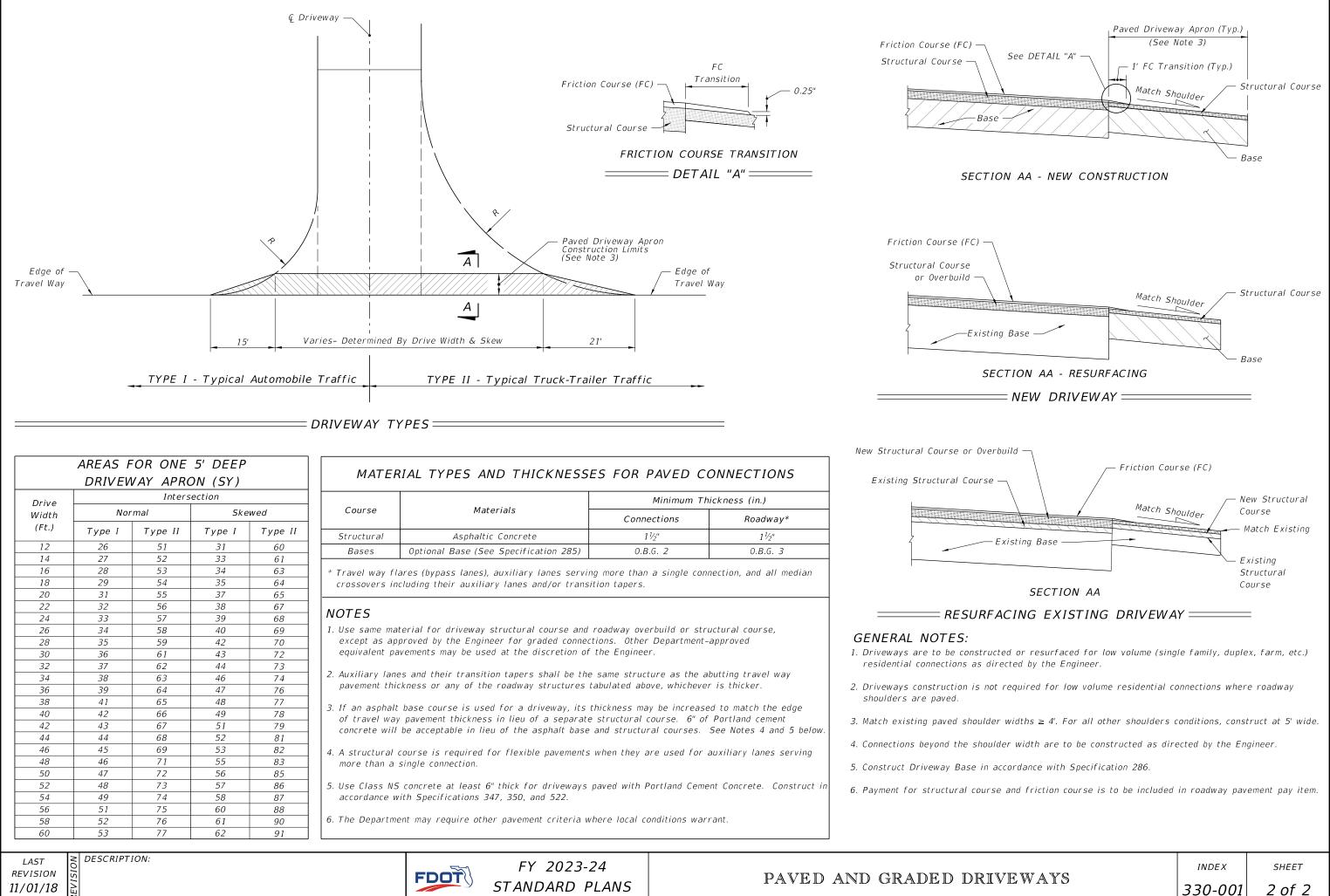
REVISION 11/01/18



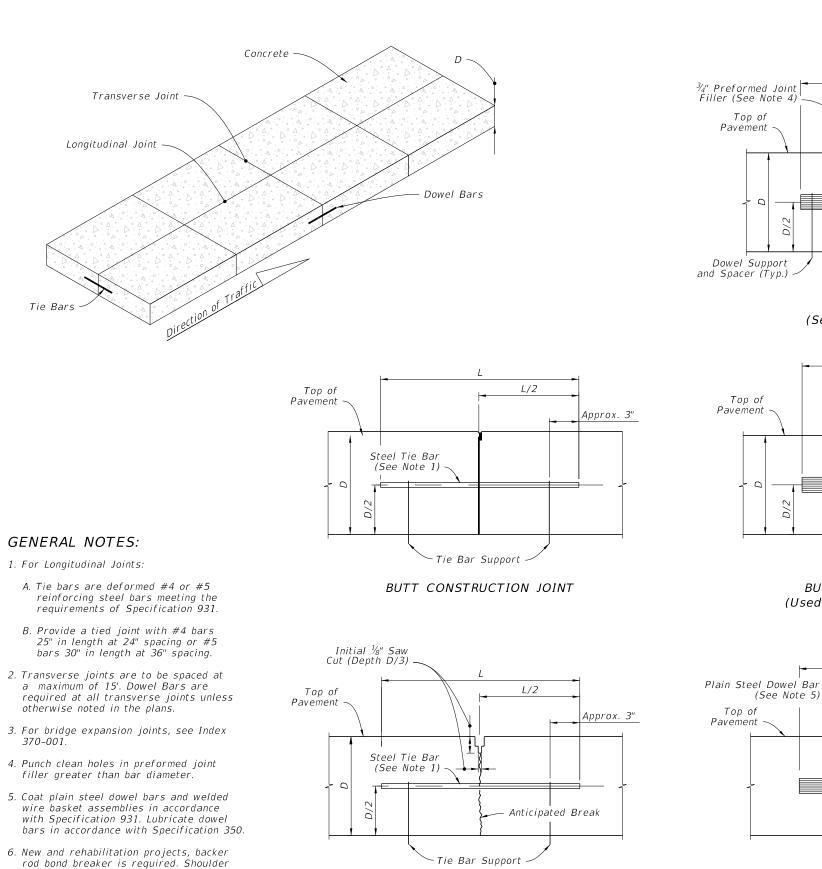
STANDARD PLANS

PAVED AND GRADED DRIV

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Anticipated Break

L/2

1/8" Initial Cut

(Depth D/3)

CONTRACTION JOINT (Sawed Method)

= TRANSVERSE JOINTS =

= LONGITUDINAL JOINTS ===

LANE-TIE JOINT

DESCRIPTION: REVISION 11/01/22

with Specification 931. Not required with

FDOT

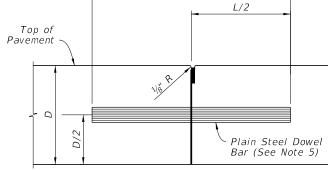
FY 2023-24 STANDARD PLANS

# CONCRETE PAVEMENT JO

must be repaired if proper joint shape can not be attained. 7. Sheet metal bottom strips in accordance

LAST

asphalt base.



EXPANSION JOINT

(See General Notes 4 and 7)

L/2

Plain Steel Dowel Bar

Metal or

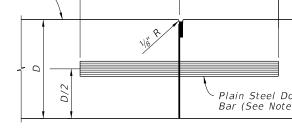
Plastic Cap

(See Note 5)

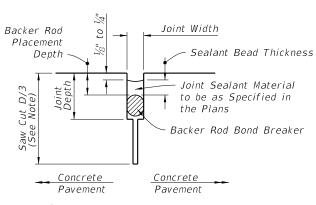
Sheet Metal Bottom Strip

BUTT CONSTRUCTION JOINT

(Used At Discontinuance Of Work)



D/2

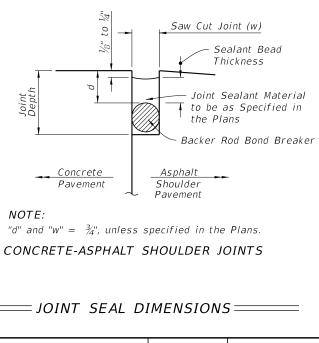


NOTE:

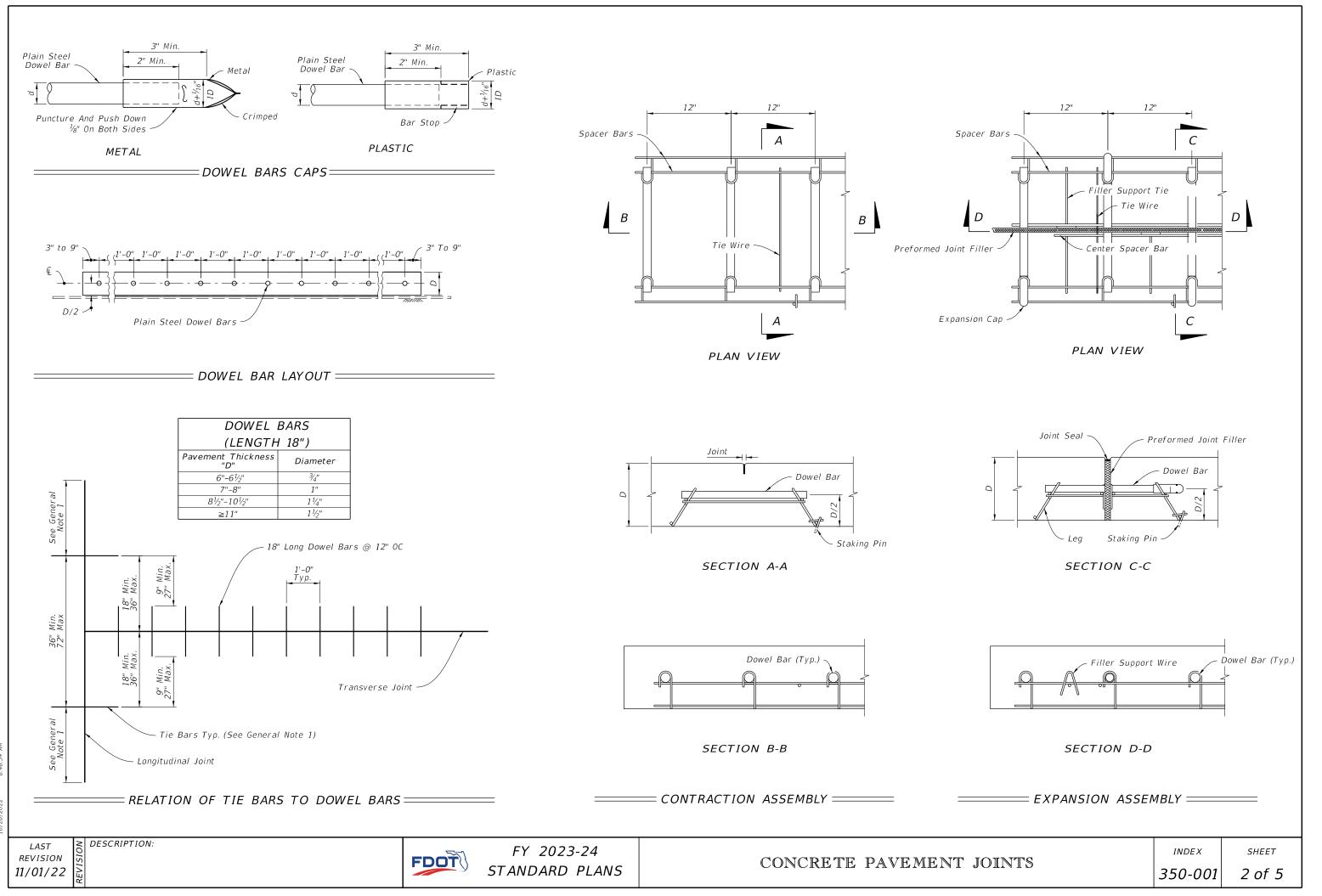
(D=Conc. Pavt. Thick.) Not required for construction joints, existing joints, or cracks.

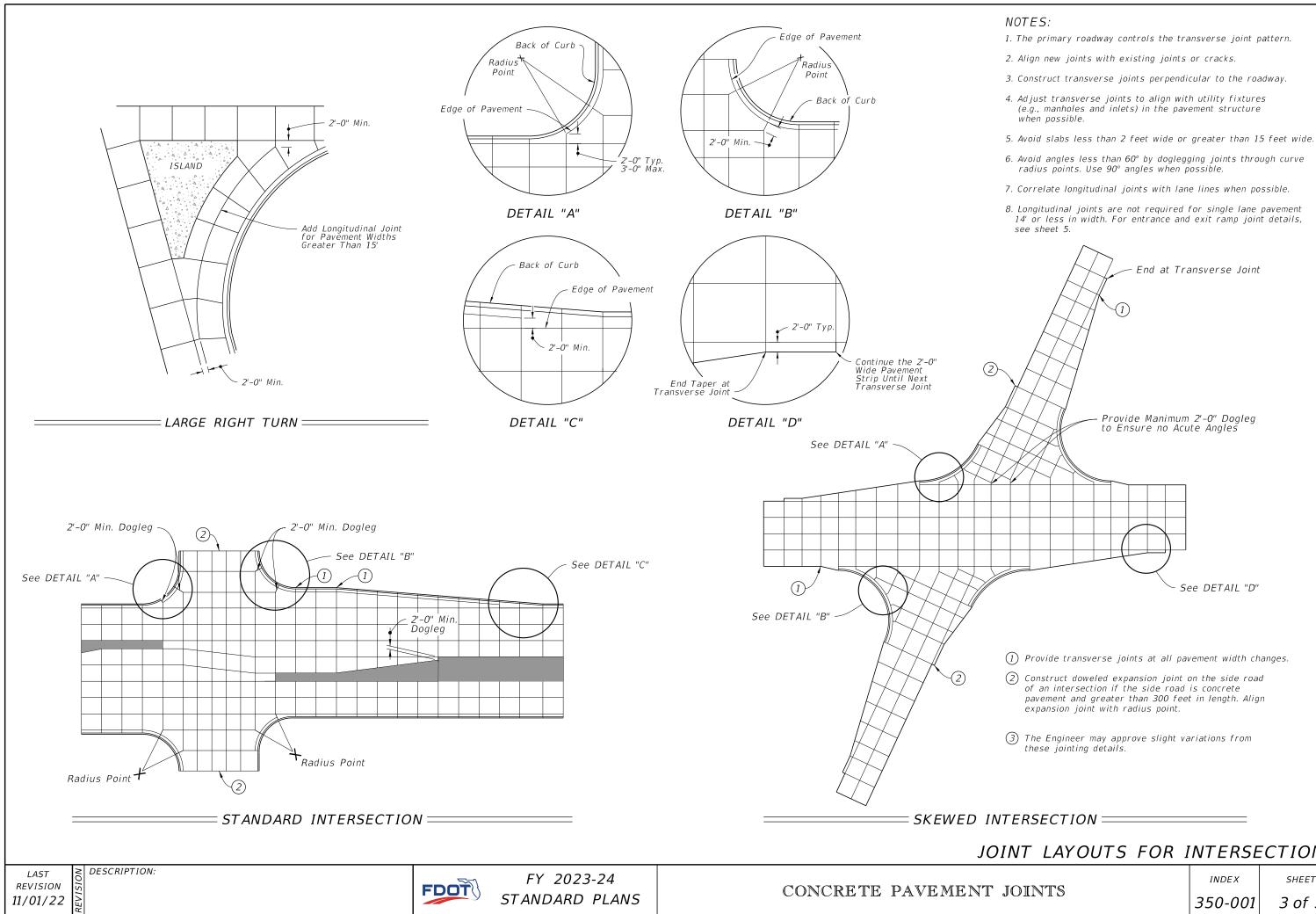
BACKER ROD BOND BREAKER				
	(CONCRETE-CONCRETE JOINTS)			
	JOINT	DIMENSIC	ONS (INCHE	5)
JOINT	SEALANT	BACKER	MINIMUM	BACKER ROD
WIDTH	BEAD	ROD DIA.	JOINT	PLACEMENT
WIDTH	THICKNESS	ROD DIA.	DEPTH	DEPTH
1⁄4	1⁄4	3/8	1	1/2
3/8	1/4	1/2	1 1/4	1/2
Unless otherwise indicated on the plans the joint width for 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.				

### CONCRETE-CONCRETE JOINTS



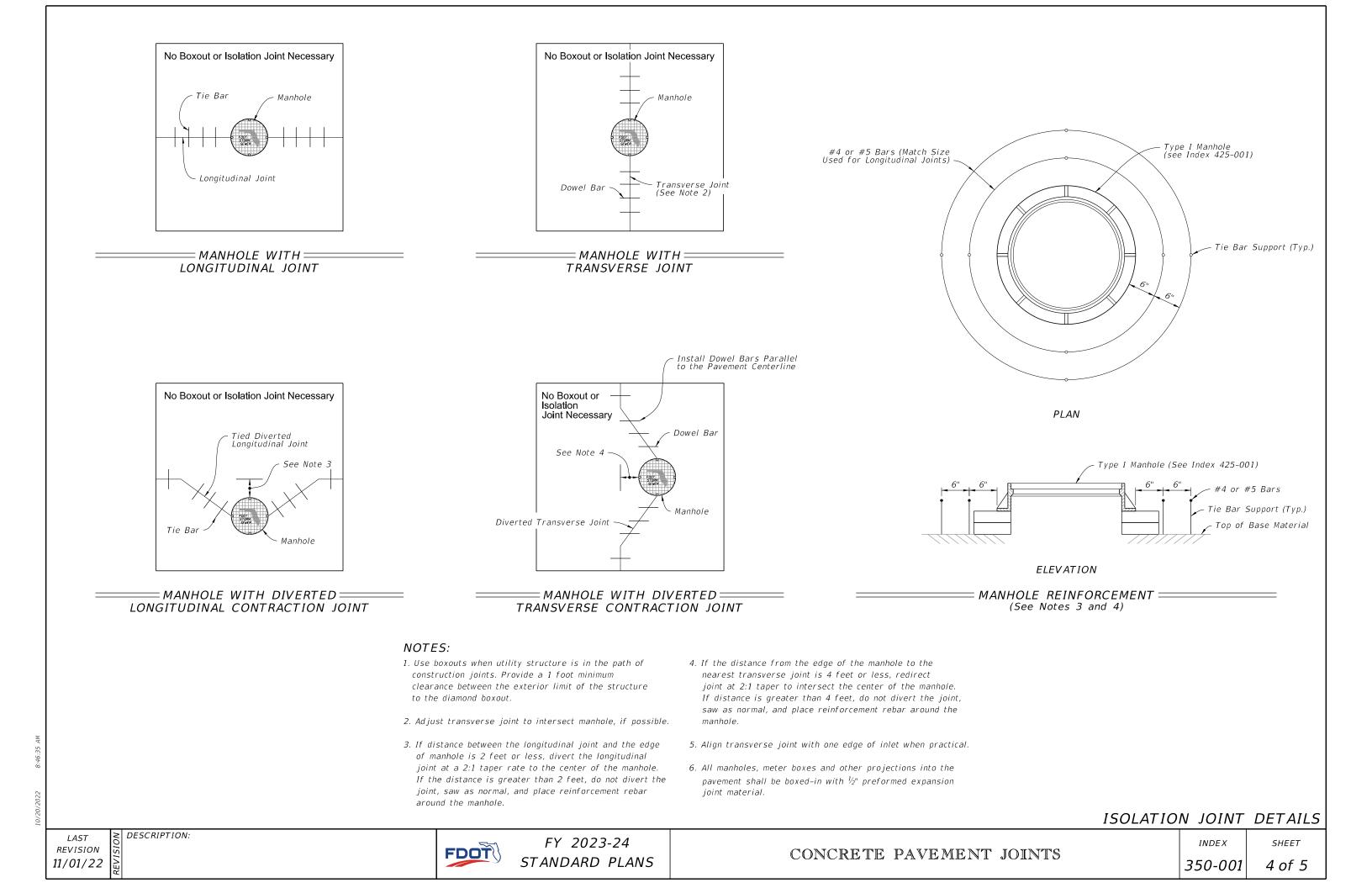
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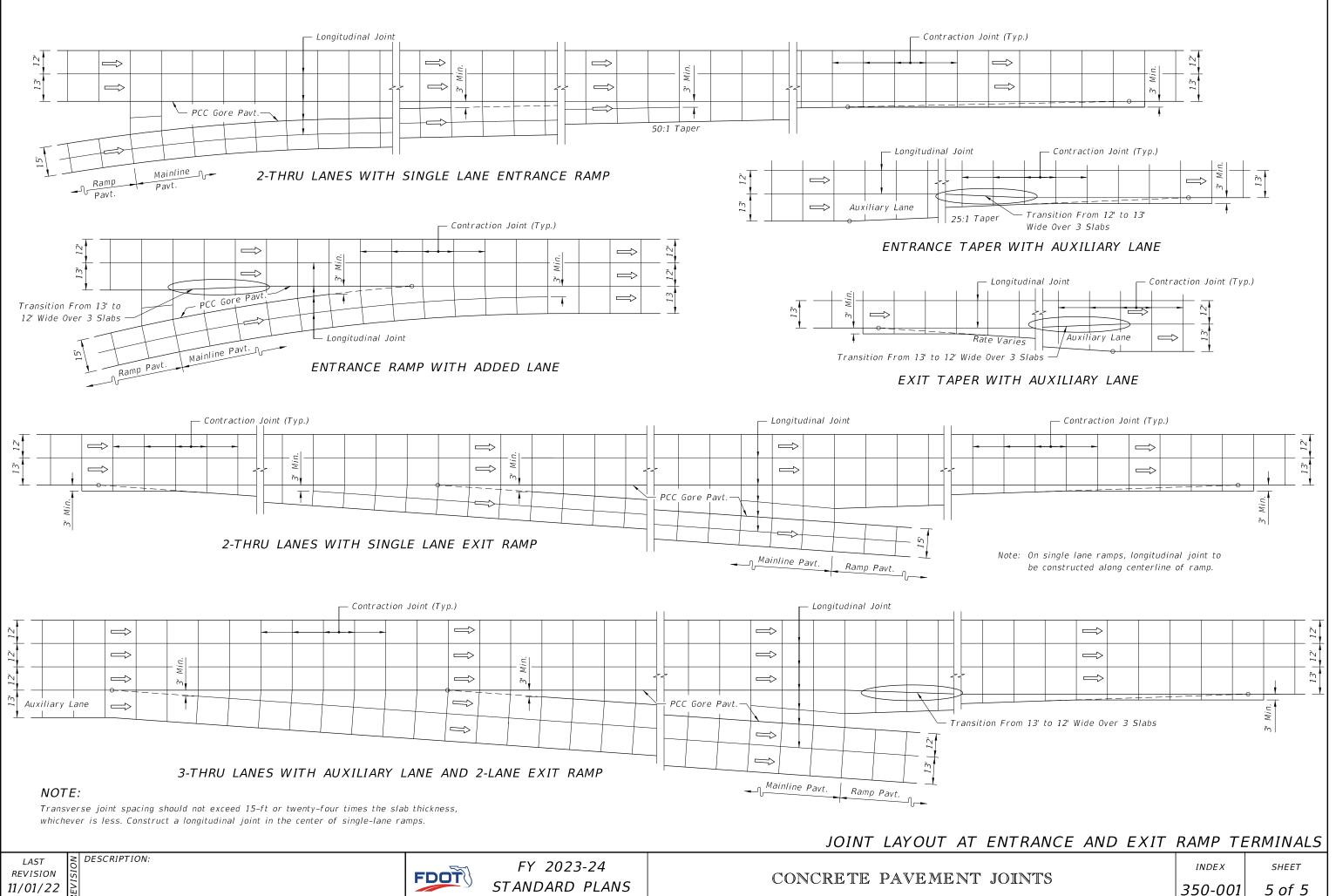




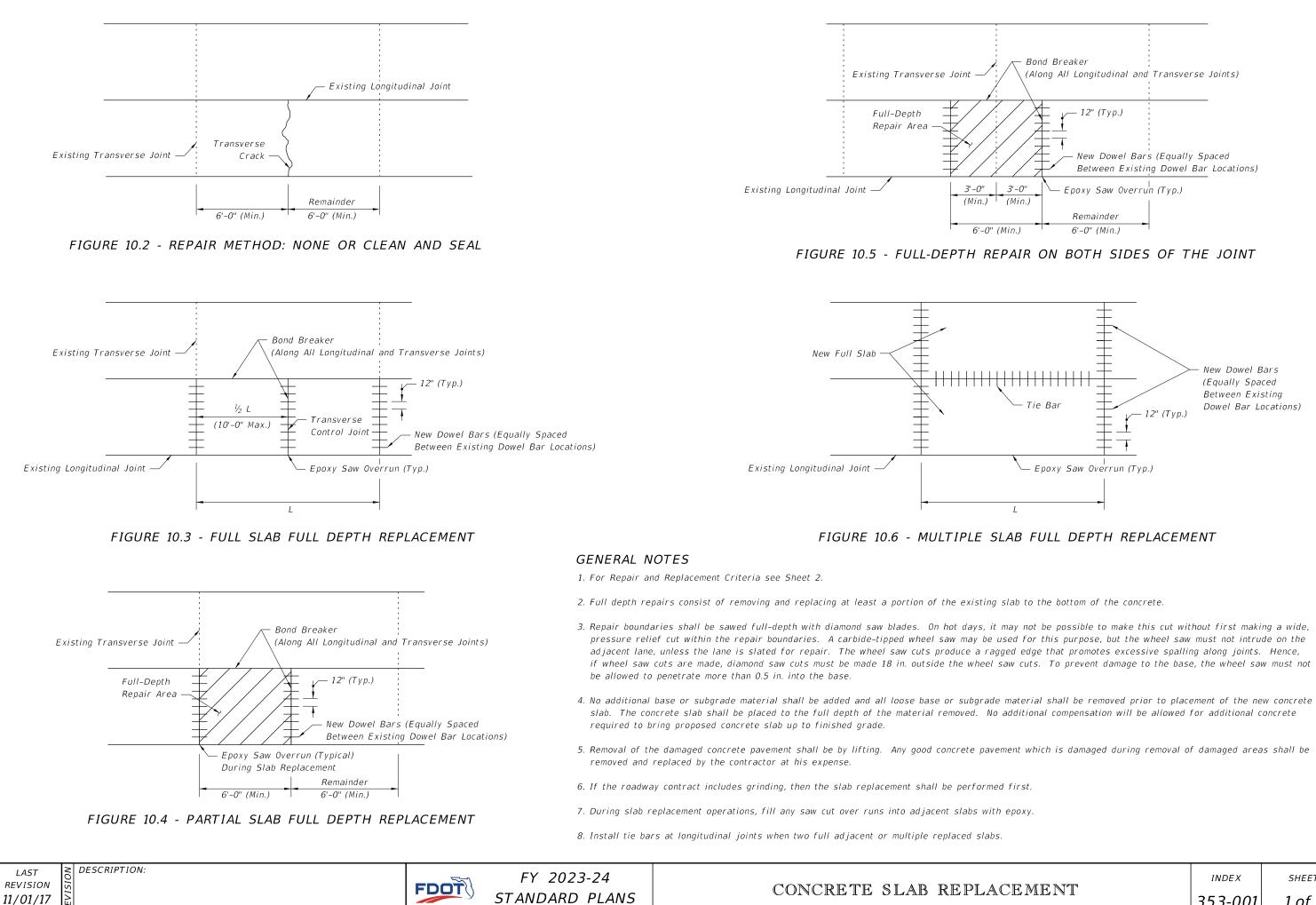
- 6. Avoid angles less than 60° by doglegging joints through curve
- 14' or less in width. For entrance and exit ramp joint details,

ERSECTION		
NT LAYOUTS FOR I	NTERSE	CTIONS
OINTS	INDEX	SHEET
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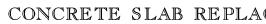
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DISTRESS PATTERN		SEVERITY/DESCRIPTION	REPAIR METHOD	
CRACKING				
	Light	$<^{1}\!\!\!/_{8}$ ", no faulting, spalling $<^{1}\!\!/_{2}$ " wide	None	
Longitudinal	Moderate	$\frac{1}{8}$ " <width <<math="">\frac{1}{2}", spalling &lt;3" wide</width>	Clean and Seal	
	Severe	width $>\frac{1}{2}$ ", spalling $>3$ " faulting $>\frac{1}{2}$ "	Replace	
	Light	$< \frac{1}{2}$ ", no faulting, spalling $< \frac{1}{2}$ " wide	None	
Transverse	Moderate	$\frac{1}{8}$ «width < $\frac{1}{2}$ ", spalling <3" wide	Clean and Seal	
	Severe	width $>^{1/2}$ ", spalling $>3$ " faulting $>^{1/2}$ "	Replace	Fig
Corner Breaks	adjacent lo	the slab is separated by a crack that intersects the ngitudinal and transverse joint, describing an approximate ith the direction of traffic.	Full Depth	
Intersecting Random Cracks (Shattered Slab)	Cracking pa	atterns that divide the slab into three or more segments.	Full Depth	
JOINT DEFICIENCIES				
	Light	spall width <1½", < ½ slab depth, <12" in length	None	1
Spall Nonwheel Path	Moderate	$1^{1}$ /2" <spall <="" <3",="" <math="" width="">\frac{1}{3} slab depth, &lt;12" in length</spall>	None	
	Severe	spall width >3" or length >12"	Full Depth	
	Light	spall width <1 $\frac{1}{2}$ ", <than <math="">\frac{1}{3} slab depth, &lt;12" in length</than>	None	
Spall Wheel Path	Moderate	$1^{1}$ /2" <spall <="" <3",="" <math="" width="">\frac{1}{3} slab depth, &lt;12" in length</spall>	Full Depth	
	Severe	spall width >3" or length >12"	Full Depth	
SURFACE DETERIORATION				
Small pieces of surface pavement broken loose, normally ranging from 1 to 4 in. diameter and $\frac{1}{2}$ to 2 in. in depth.				
	Light	Not deemed to be a traffic hazard	Keep under observation	
	Severe	Flying debris deemed a traffic hazard	Full Depth	
Pop Outs Wheel Path		s of surface pavement broken loose, normally er and 2" in depth.		
	Light	Deemed to be a traffic hazard	Full Depth	
	Severe	Flying debris deemed a traffic hazard	Full Depth	
MISCELLANEOUS DISTRESS				
	Elevation d	ifferences across joints or cracks.		
Faulting	Light	Faulting <4/32"	None	1
	Moderate	4 <faulting 32"<="" <16="" td=""><td>Grind</td><td></td></faulting>	Grind	
	Severe	Faulting >16/32"	Grind	
	Light	0 <drop-off <1"<="" td=""><td>None</td><td></td></drop-off>	None	
Lane To Shoulder Drop-Off	Moderate	1" <drop-off <3"<="" td=""><td>Build Up</td><td></td></drop-off>	Build Up	
	Severe	drop-off >3 "	Build Up	
Water Bleeding Or Pumping	Seeping or	ejection of water through joints or cracks.	Install appropriate drainage, edge drain, permeable subbase, reseal joints, etc.	
Blowups		vement at transverse joints or cracks often d by shattering of the concrete.	Full Depth	

## SLAB REPAIR AND REPLACEMENT CRITERIA

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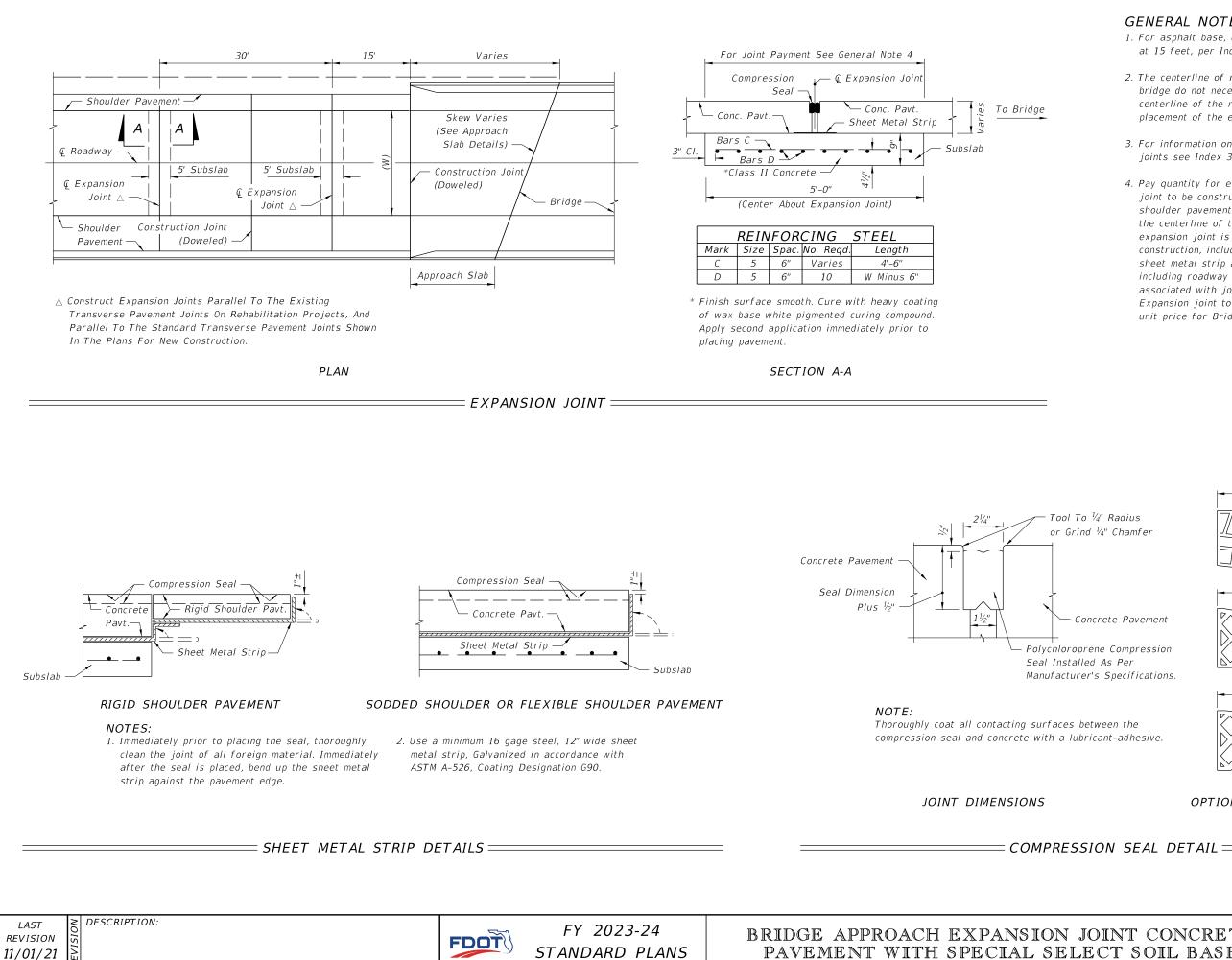




FDOT

FY 2023-24 STANDARD PLANS

REFERENCE	]		
Figure 10.2	]		
Figure 10.2			
Figure 10.3			
Figure 10.2			
Figure 10.3, 10.4 and 10.5			
Figure 10.4 and 10.5			
Figure 10.3 and 10.4			
Figure 10.4 and 10.5			
Figure 10.4 and 10.5	1		
Figure 10.4 and 10.5			
Figure 10.4 and 10.5	]		
Figure 10.4 and 10.5			
Figure 10.4 and 10.5			
<i>[</i>			
Figure 10.4			
Figure 10.4			
Figure 10.4			
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N/A			
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Figure 10.3 and 10.4			
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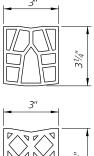




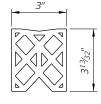
PAVEMENT WITH SPECIAL SELE

### GENERAL NOTES:

- 1. For asphalt base, use four expansion joints, spaced at 15 feet, 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.







OPTIONAL SEALS

INT CONCRETE	INDEX	SHEET
CT SOIL BASE	370-001	1 of 1