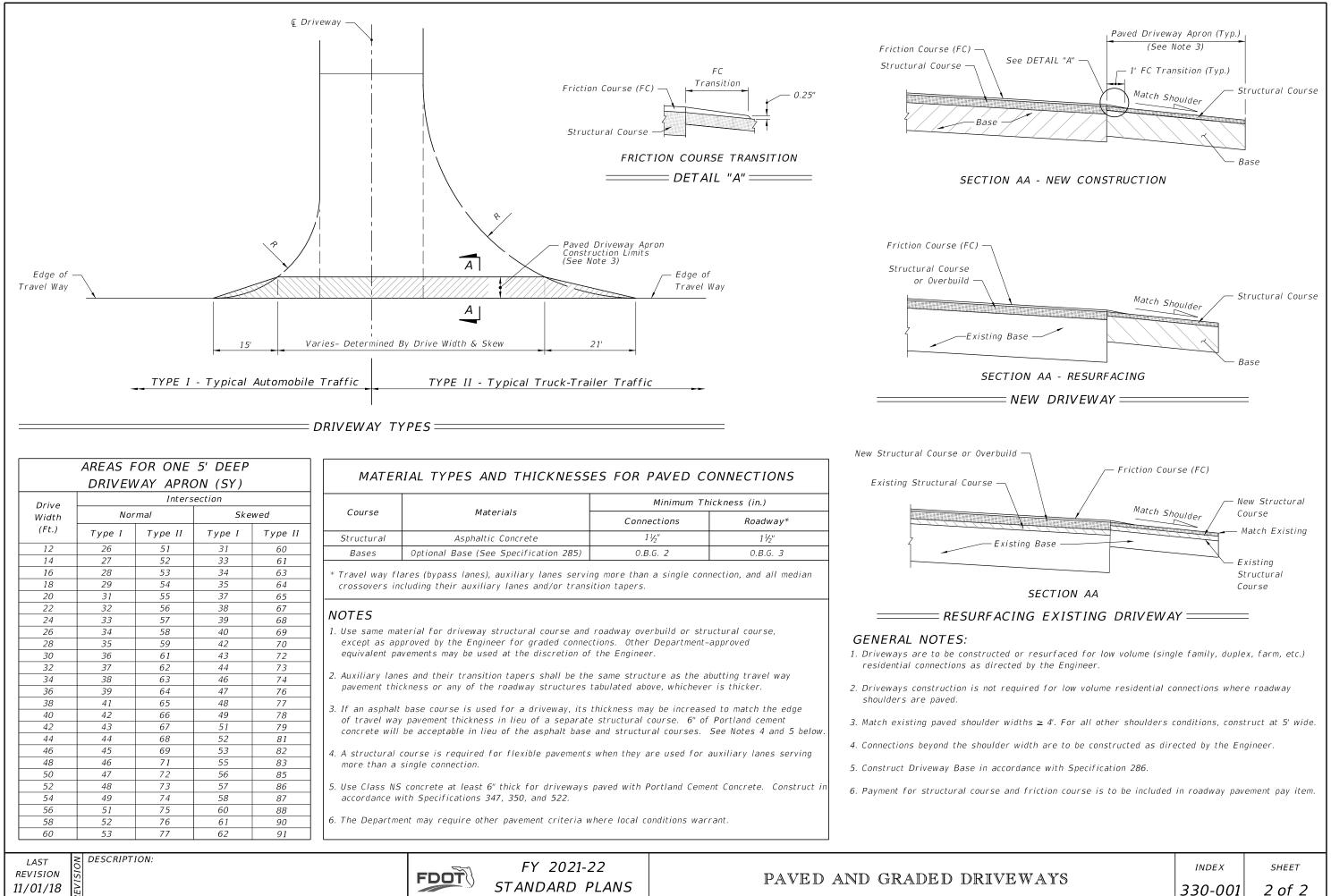
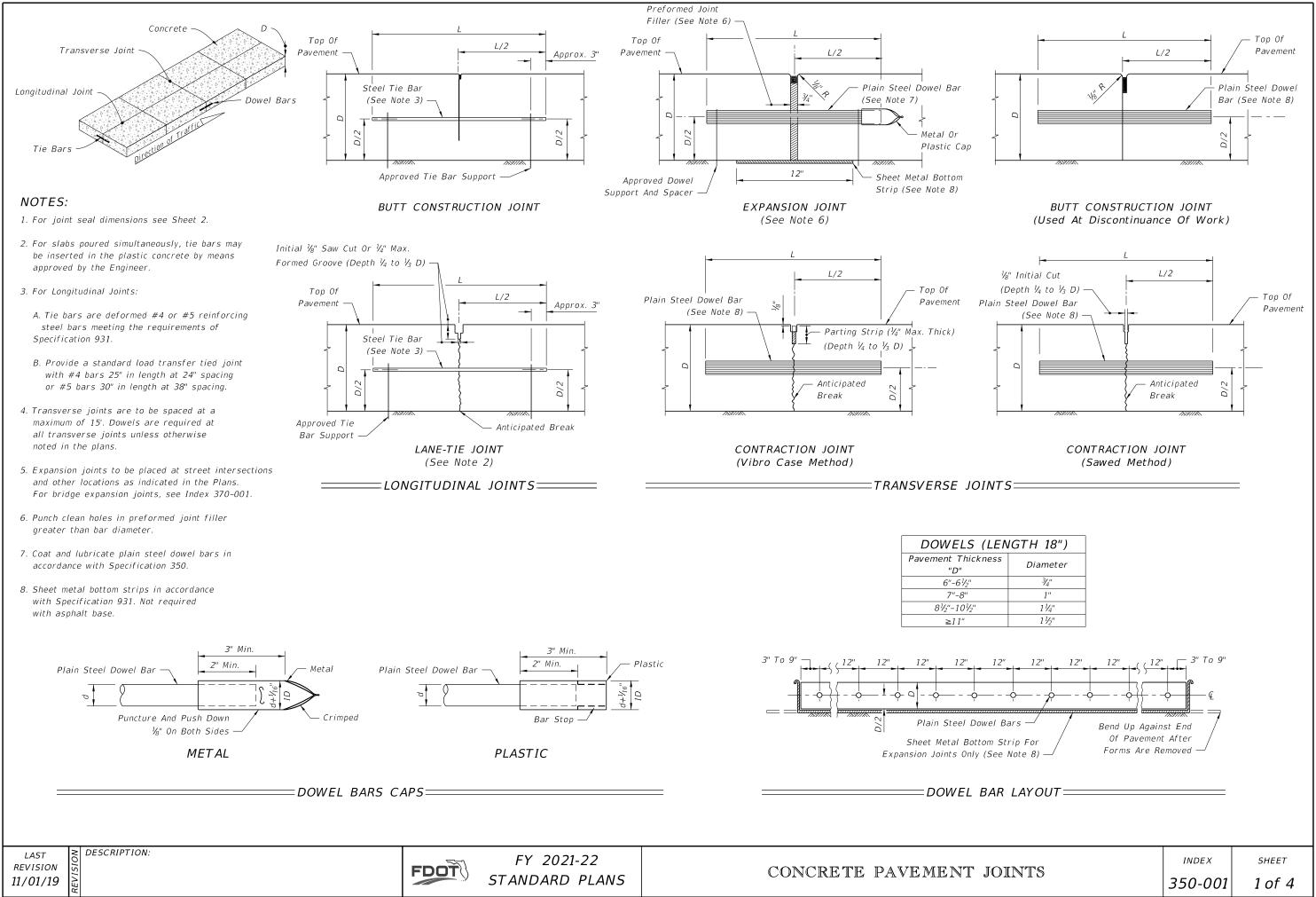
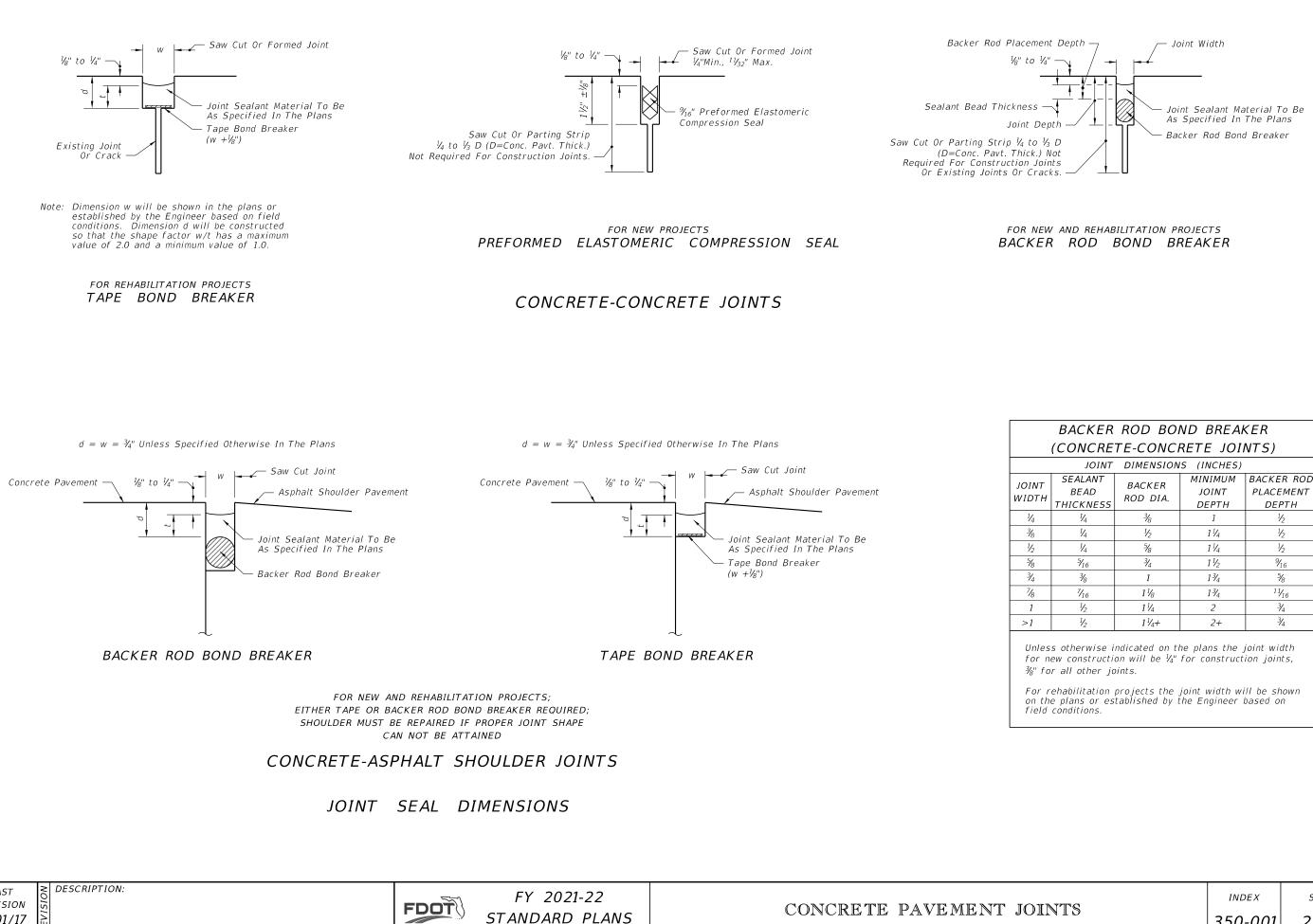


Limits of C	learing and Gru	bbing
10" All Other B	se to Edge of P Bases 4" Outside To Apron of Curt	Edge of Pavt.
3' Transitio	on	
	R/W	Line Stabilization
Ç Project P.T. (Typ.)	Edge of T	ravel Way
WITH CURB & GUTTER		
).		
letermined by the Engineer. 		
o private property as directed	d	
ns may be waived for connecti than 20 trips per day, or 5 tri wn in the Plans.		
facilities. The connecting poir	nt	
cial, industrial or high volume ne connecting point 30'-0' from 5.		
ions. The R/W is the connecti	ng point.	
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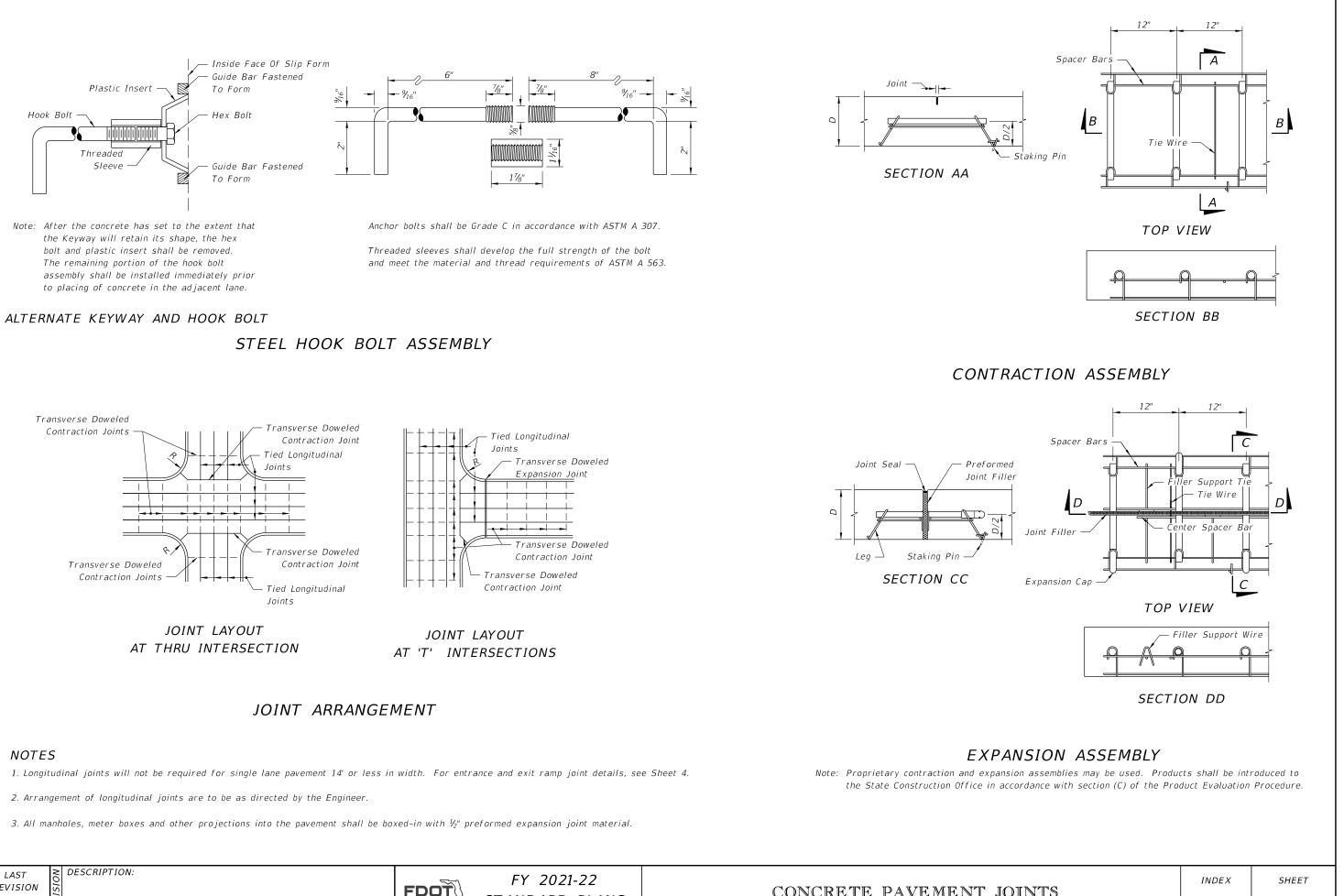




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JOINT DIMENSIONS (INCHES) SEALANT BEAD THICKNESS BACKER ROD DIA. MINIMUM JOINT DEPTH BACKER RO PLACEMEN DEPTH ½ ¾ 1 ½ ¼ ¾ 1 ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¾ ½ 1¼ ½ ¾ ½ 1¼ ½ ¾ ¾ 1½ ¾ ¾ 1½ 1½ ¾ ¾ 1½ ½ ¾	BACKER ROD BOND BREAKER					
SEALANT BEAD THICKNESS BACKER ROD DIA. MINIMUM JOINT DEPTH BACKER RC PLACEMEN DEPTH ½ ¾ 1 ½ ¼ ¾ 1 ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¾ ½ 1¼ ½ ¾ ½ 1¼ ½ ¾ ½ 1¼ ½ ¾ ¾ 1½ ¾ ¾ 1¼ ½ ¾	(CONCRETE-CONCRETE JOINTS)					
BEAD THICKNESS BACKER ROD DIA. JOINT DEPTH PLACEMEN DEPTH ¼ ¾ 1 ½ ¼ ¾ 1 ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¼ ½ 1¼ ½ ¾ ½ 1¼ ½ ¾ ½ 1¼ ½ ¾ ½ 1¼ ½ ¾ ¾ 1½ % ¾ 1 ½ %	JOINT	DIMENSION	IS (INCHES)			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	BEAD		JOINT	BACKER ROD PLACEMENT DEPTH		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1/4	3/8	1	1/2		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1/4	1/2	1 1/4	1/2		
<i>¾</i> 1 1¾ <i>¾</i>	V_4	⁵ /8	1 1/4	1/2		
	⁵ /16	3/4	11/2	%16		
7_{16} 1_{8} 1_{34} 1_{16}	3/8	1	1¾	5/8		
	7/ ₁₆	1 1/8	1¾	11/ ₁₆		
$\frac{1}{2}$ $\frac{1}{4}$ 2 $\frac{3}{4}$	1 _{/2}	1 1/4	2	3/4		
$\frac{1}{2}$ $1\frac{1}{4}$ 2+ $\frac{3}{4}$	1/2	11/4+	2+	3/4		

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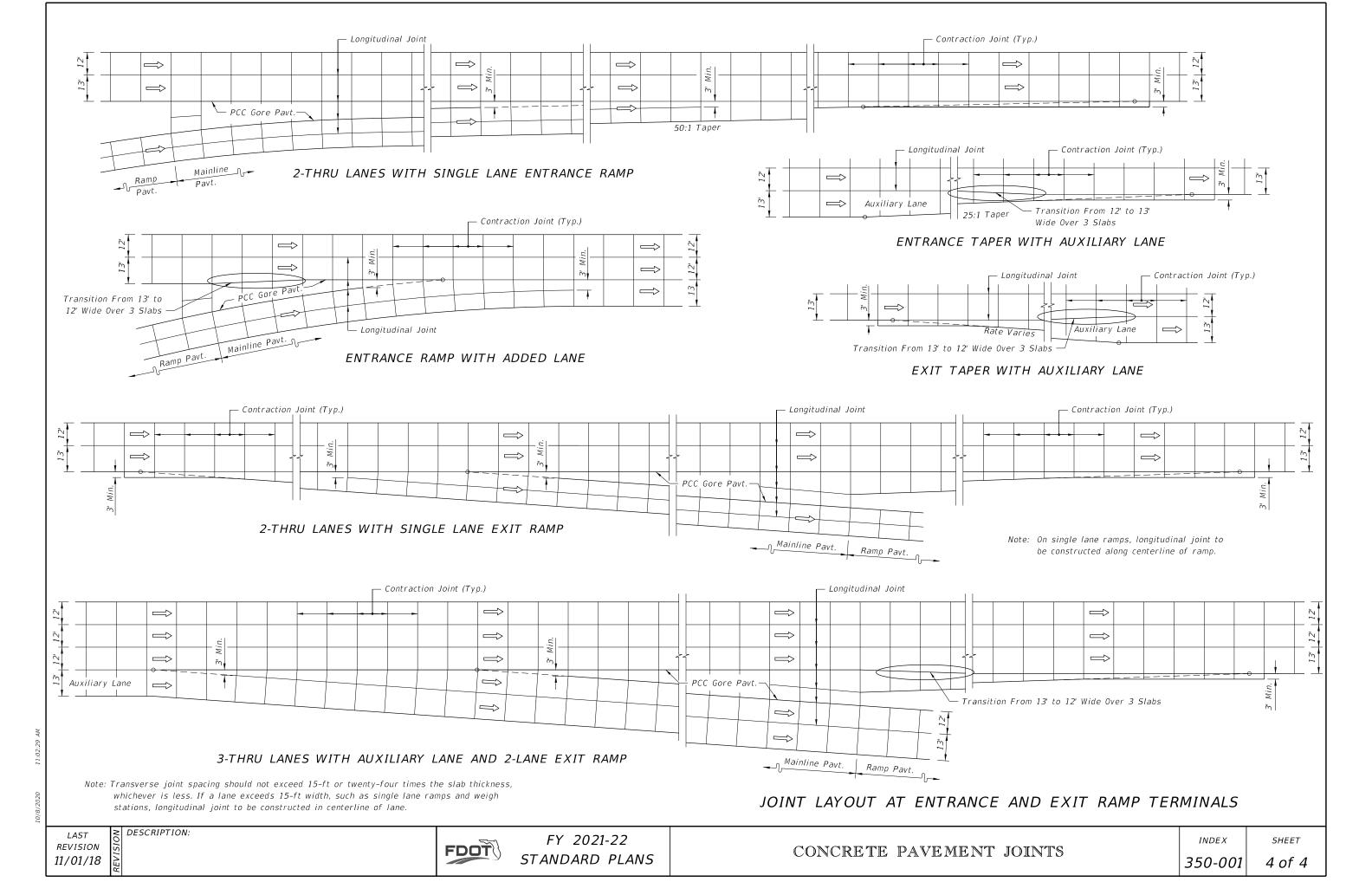


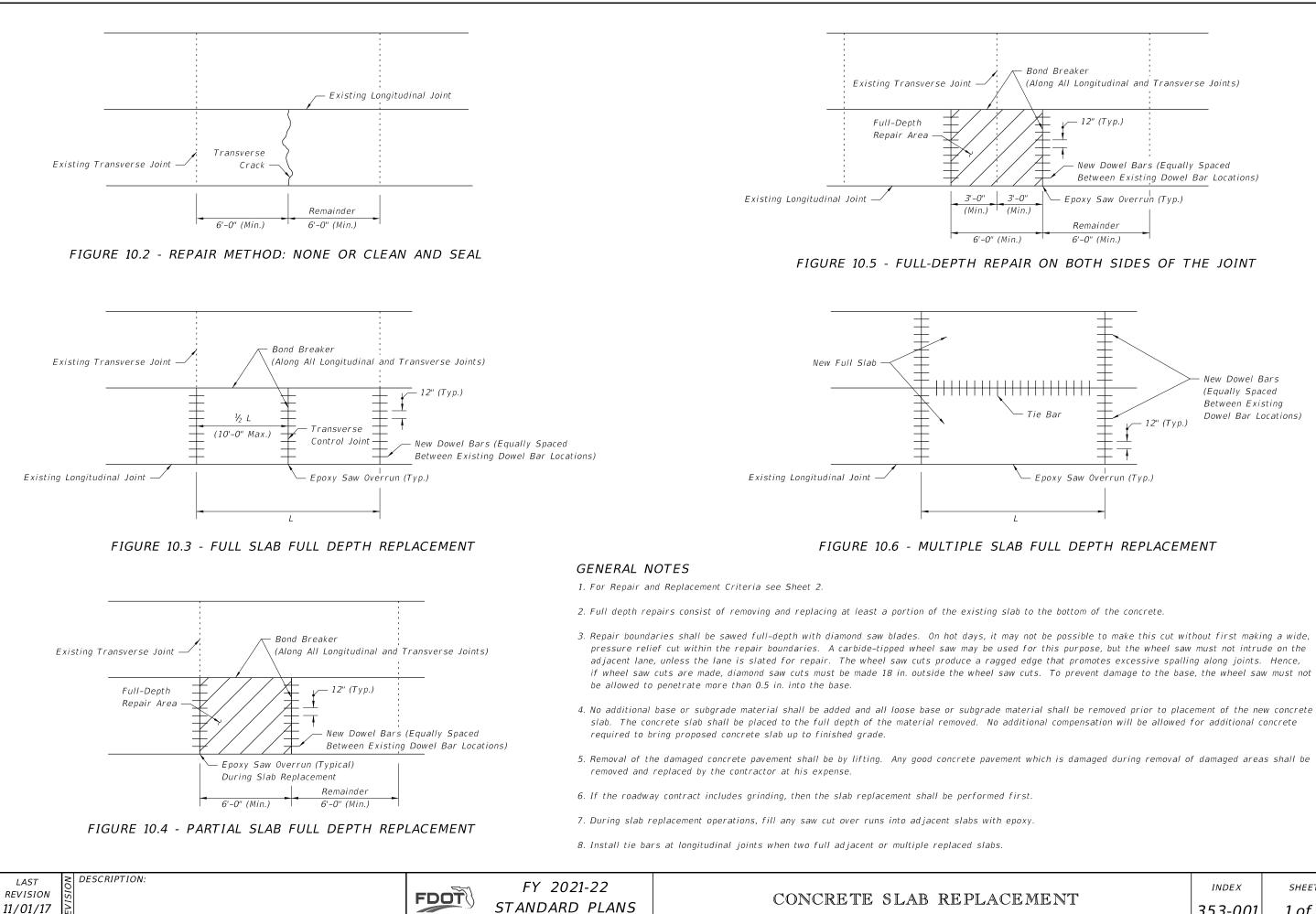
STANDARD PLANS

CONCRETE PAVEMENT JOINTS

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STANDARD PLANS

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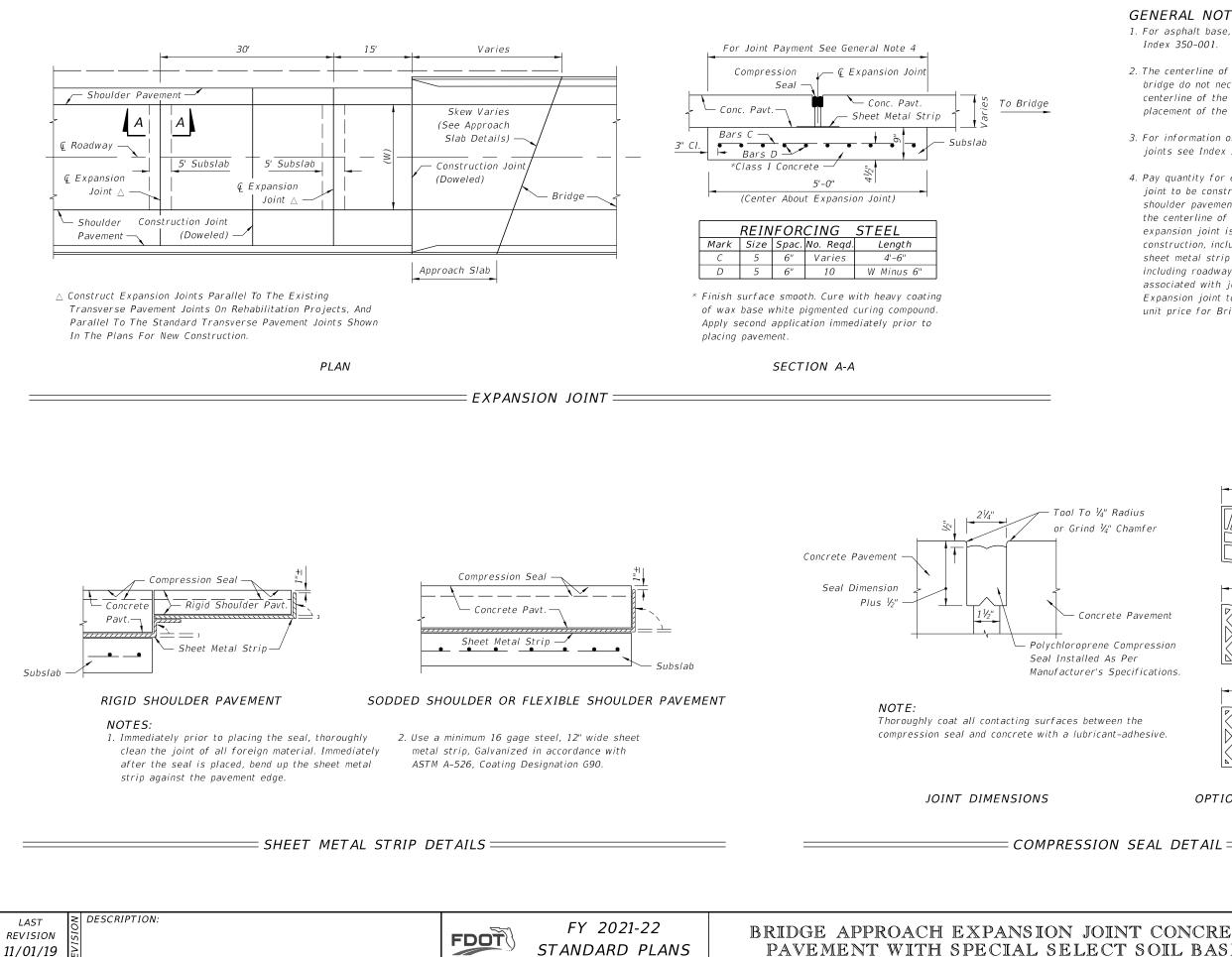
SLAB REPAIR AND REPLACEMENT CRITERIA

DISTRESS PATTERN		SEVERITY/DESCRIPTION	REPAIR METHOD	REF
CRACKING				
	Light	$<\!$	None	Fi
Longitudinal	Moderate	$\frac{1}{6}$ " <width <<math="">\frac{1}{2}", spalling <3" wide</width>	Clean and Seal	Fi
	Severe	width > $\frac{1}{2}$ ", spalling >3" faulting > $\frac{1}{2}$ "	Replace	Fi
	Light	2/2", no faulting, spalling <<math 2/2" wide	None	Fi
Transverse	Moderate	$\frac{1}{6}$ " <width <<math="">\frac{1}{2}", spalling <3" wide</width>	Clean and Seal	
	Severe	width > $\frac{1}{2}$ ", spalling >3" faulting > $\frac{1}{2}$ "	Replace	Figure 10
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	Figure
Intersecting Random Cracks (Shattered Slab)	Cracking pa	atterns that divide the slab into three or more segments.	Full Depth	Figure
JOINT DEFICIENCIES				
	Light	spall width <1½", < $\frac{1}{3}$ slab depth, <12" in length	None	Figure
Spall Nonwheel Path	Moderate	$1\frac{1}{2}$ " <spall <="" <3",="" <math="" width="">\frac{1}{3} slab depth, <12" in length</spall>	None	Figure
	Severe	spall width >3" or length >12"	Full Depth	Figure
	Light	spall width <1½", <than <math="">\frac{1}{2} slab depth, <12" in length</than>	None	Figure
Spall Wheel Path	Moderate	$1\frac{1}{2}$ " <spall <="" <3",="" <math="" width="">\frac{1}{3} slab depth, <12" in length</spall>	Full Depth	Figure
	Severe	spall width >3" or length >12"	Full Depth	Figure
SURFACE DETERIORATIO	N			
Pop Outs Nonwheel Path	from 1 to 4	s of surface pavement broken loose, normally ranging 4 in. diameter and $\frac{1}{2}$ to 2 in. in depth.		
	Light	Not deemed to be a traffic hazard	Keep under observation	
Pop Outs Wheel Path		Flying debris deemed a traffic hazard s of surface pavement broken loose, normally er and 2" in depth.	Full Depth	Fi
	Light	Deemed to be a traffic hazard	Full Depth	Fi
	Severe	Flying debris deemed a traffic hazard	Full Depth	Fi
AISCELLANEOUS DISTRES	is l			
	Elevation d	ifferences across joints or cracks.		
Faulting	Light	Faulting <4/32"	None	
	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		ejection of water through joints or cracks.	Install appropriate drainage, edge drain, permeable subbase, reseal joints, etc.	
Blowups	Upward movement at transverse joints or cracks often accompanied by shattering of the concrete.		Full Depth	Figure

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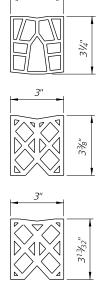


REFERENCE		
Figure 10.2		
Figure 10.2		
Figure 10.3		
Figure 10.2		
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Figure 10.4		
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ure 10.3 and 10.4		
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GENERAL NOTES:

- 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.



OPTIONAL SEALS

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