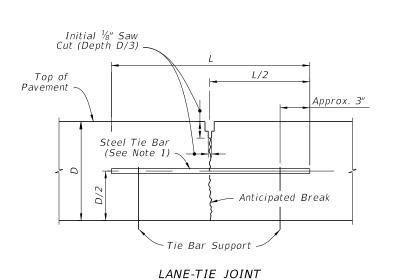
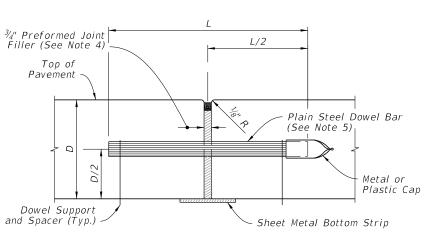
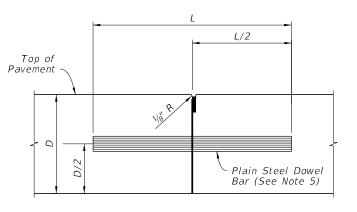


## BUTT CONSTRUCTION JOINT

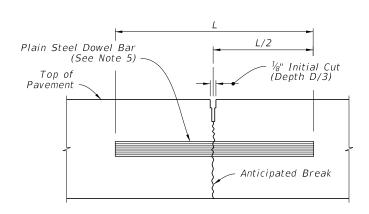




**EXPANSION JOINT** (See General Notes 4 and 7)

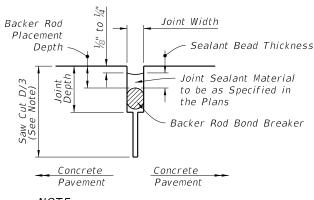


BUTT CONSTRUCTION JOINT (Used At Discontinuance Of Work)



CONTRACTION JOINT (Sawed Method)

= TRANSVERSE JOINTS =



#### NOTE:

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

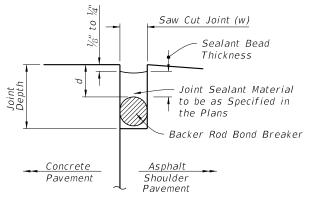
# BACKER ROD BOND BREAKER (CONCRETE-CONCRETE JOINTS)

	•			,
JOINT DIMENSIONS (INCHES)				
JOINT	SEALANT	BACKER	MINIMUM	BACKER ROD
WIDTH	BEAD	ROD DIA.	JOINT	PLACEMENT
	THICKNESS		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  ${}^1\!\!/_4$ " 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



"d" and "w" =  $\frac{3}{4}$ ", unless specified in the Plans.

CONCRETE-ASPHALT SHOULDER JOINTS

=== JOINT SEAL DIMENSIONS ====

REVISION 11/01/22

**GENERAL NOTES:** 

1. 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.

required at all transverse joints unless

2. Transverse joints are to be spaced at

a maximum of 15'. Dowel Bars are

3. For bridge expansion joints, see Index

4. Punch clean holes in preformed joint

wire basket assemblies in accordance

6. New and rehabilitation projects, backer

7. Sheet metal bottom strips in accordance with Specification 931. Not required with

DESCRIPTION:

can not be attained.

asphalt base.

rod bond breaker is required. Shoulder must be repaired if proper joint shape

with Specification 931. Lubricate dowel

bars in accordance with Specification 350.

filler greater than bar diameter 5. Coat plain steel dowel bars and welded

otherwise noted in the plans.

370-001.

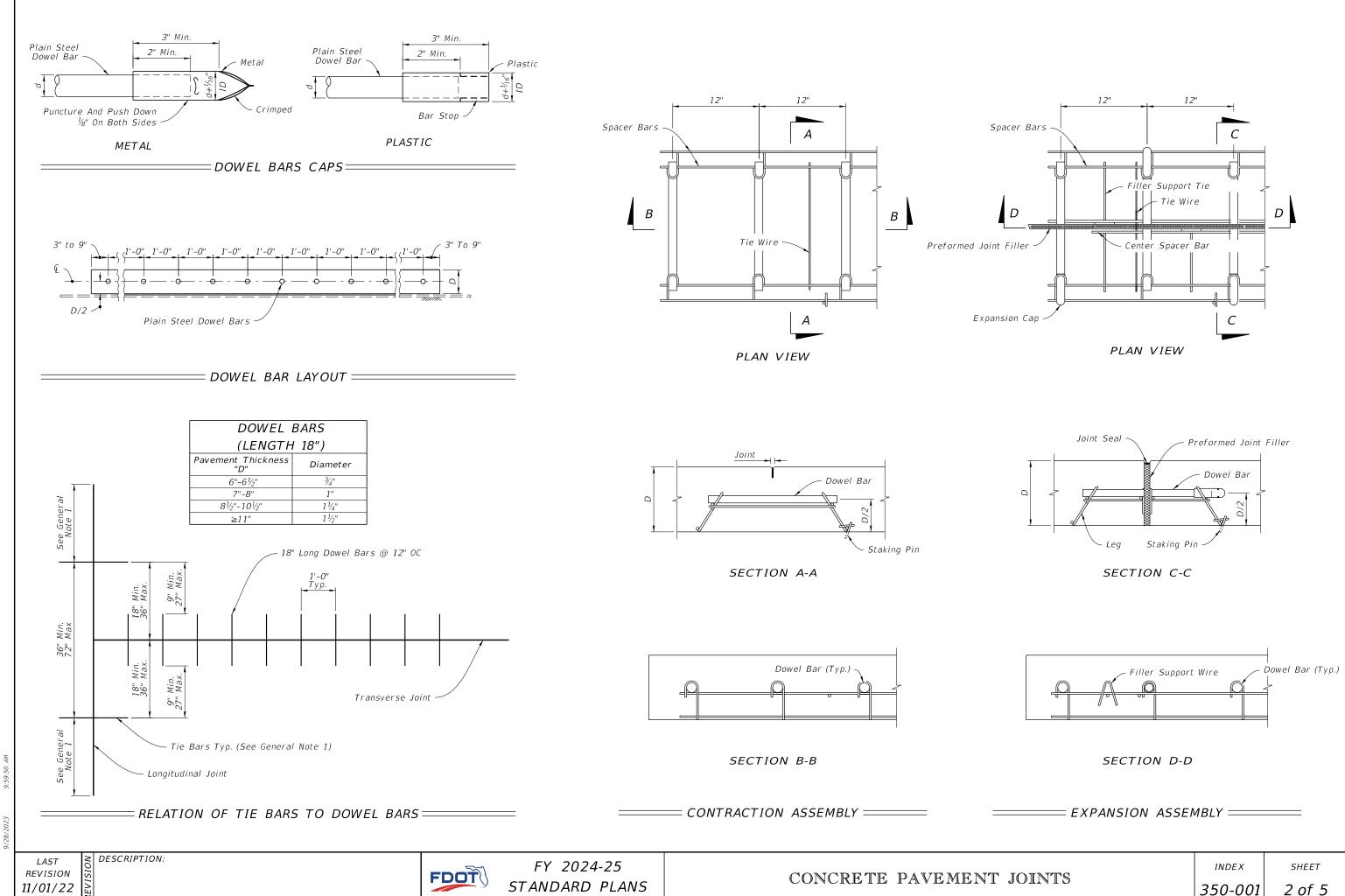
FDOT

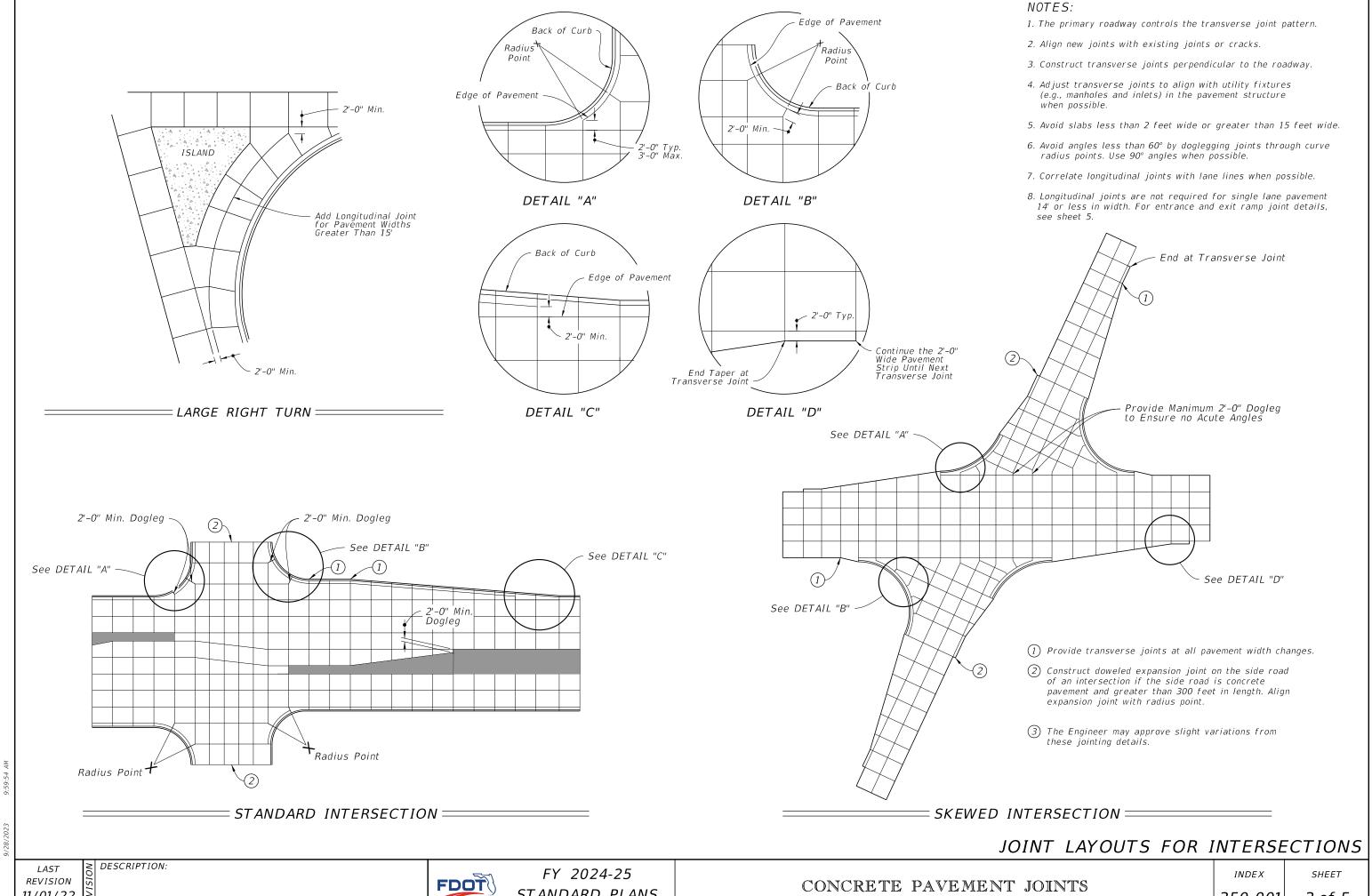
= LONGITUDINAL JOINTS ===

FY 2024-25 STANDARD PLANS

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SHEET 1 of 5

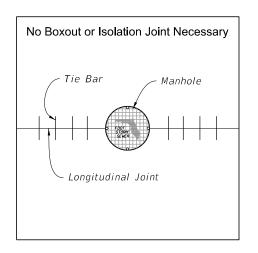




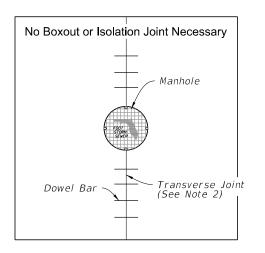
11/01/22

STANDARD PLANS

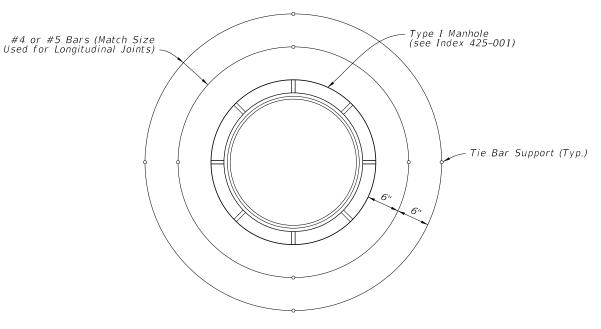
350-001 3 of 5



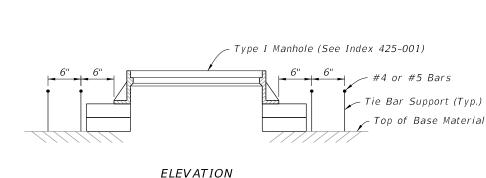
MANHOLE WITH == LONGITUDINAL JOINT



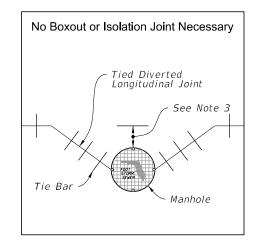
MANHOLE WITH TRANSVERSE JOINT



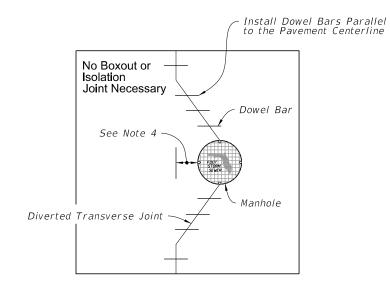
PLAN



MANHOLE REINFORCEMENT = (See Notes 3 and 4)



= MANHOLE WITH DIVERTED =LONGITUDINAL CONTRACTION JOINT



= MANHOLE WITH DIVERTED = TRANSVERSE CONTRACTION JOINT

## **NOTES:**

- 1. Use boxouts when utility structure is in the path of construction joints. Provide a 1 foot minimum clearance between the exterior limit of the structure to the diamond boxout.
- 2. Adjust transverse joint to intersect manhole, if possible.
- 3. If distance between the longitudinal joint and the edge of manhole is 2 feet or less, divert the longitudinal joint at a 2:1 taper rate to the center of the manhole. If the distance is greater than 2 feet, do not divert the joint, saw as normal, and place reinforcement rebar around the manhole.
- 4. If the distance from the edge of the manhole to the nearest transverse joint is 4 feet or less, redirect joint at 2:1 taper to intersect the center of the manhole. If distance is greater than 4 feet, do not divert the joint, saw as normal, and place reinforcement rebar around the
- 5. Align transverse joint with one edge of inlet when practical.
- 6. All manholes, meter boxes and other projections into the pavement shall be boxed-in with  $\frac{1}{2}$ " preformed expansion joint material.

ISOLATION JOINT DETAILS

REVISION 11/01/22

DESCRIPTION:

FDOT

FY 2024-25 STANDARD PLANS

CONCRETE PAVEMENT JOINTS

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SHEET

