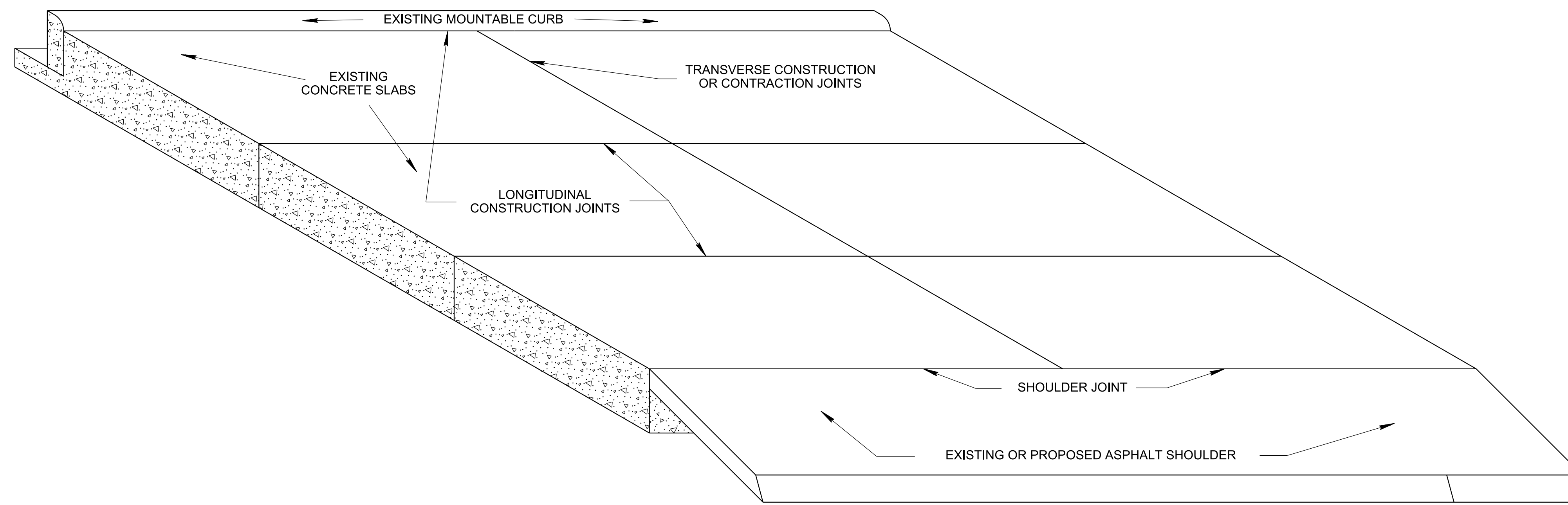
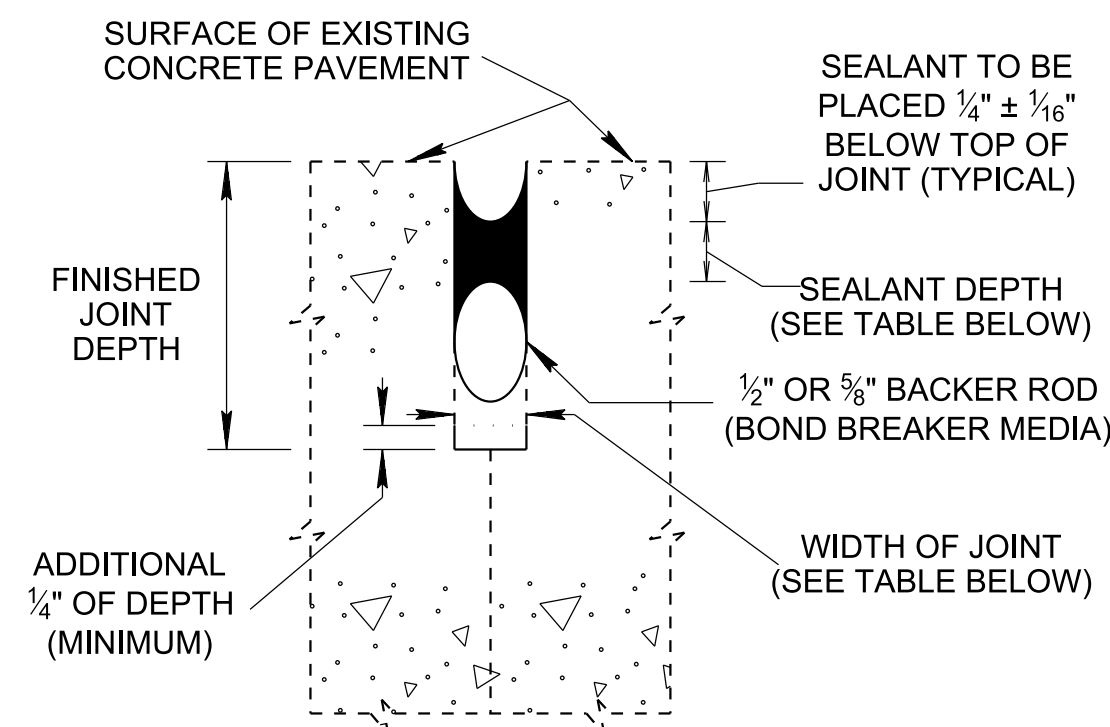


4/28/2020 10:52:30 AM P:\StandDraw\DESIGN STANDARDS\Standards Drawings\Standard Roadway Drawings - CURRENT\In Progress\10-104.00 Roadway, Pavement Appurtenances and Fence IP\104.01 Concrete Pavement IP\IP

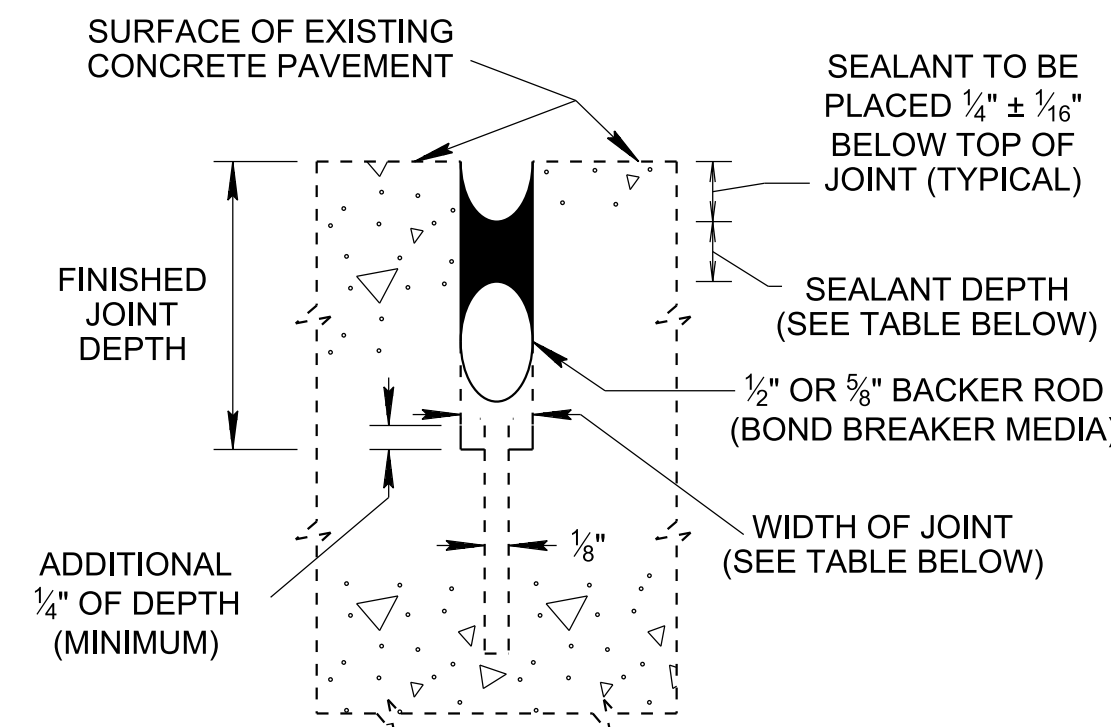


PLAN VIEW OF DETAILS FOR PAVEMENT JOINT REPAIR

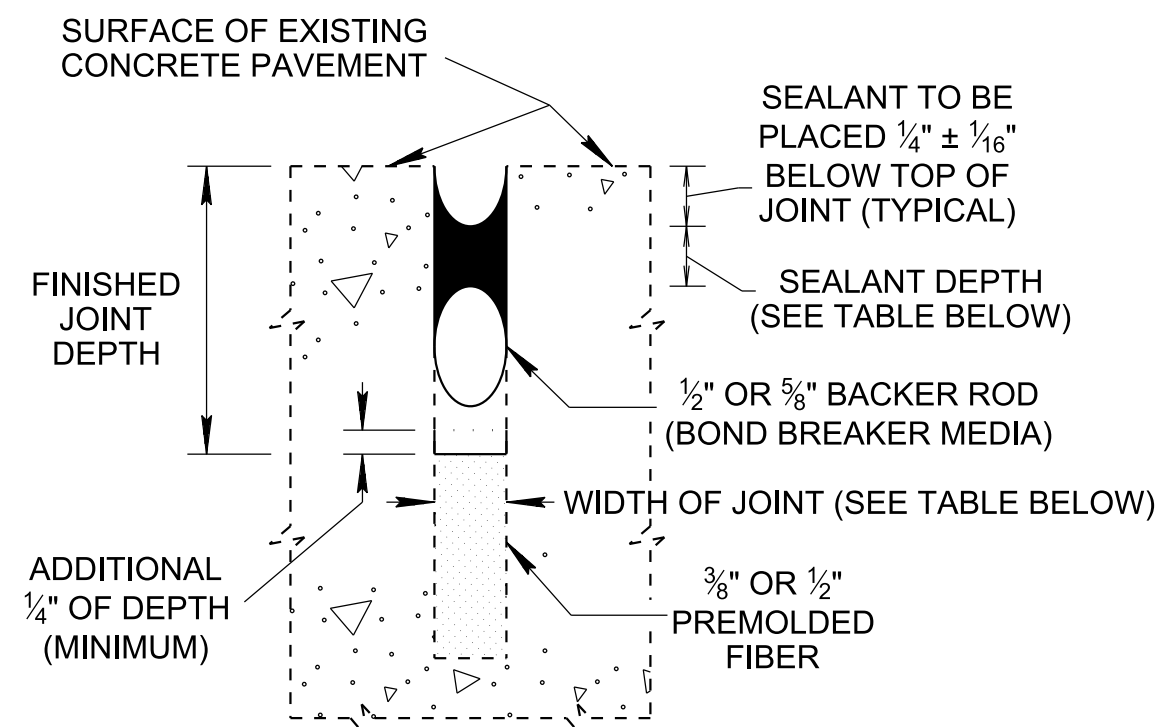
REV. 05-29-96: DREW NEW SHEET WHICH INCLUDES CONCRETE JOINT REPAIR DETAILS PREVIOUSLY SHOWN ON DRAWING NO. RP-J-24.
 REV. 05-27-01: CHANGED ITEM NUMBERS IN GENERAL NOTES (P4), (P5), AND (T2).
 REV. 05-01-20: COMBINED GENERAL NOTES INTO ONE BLOCK AND RELETTERED NOTES. REDREW SHEET.



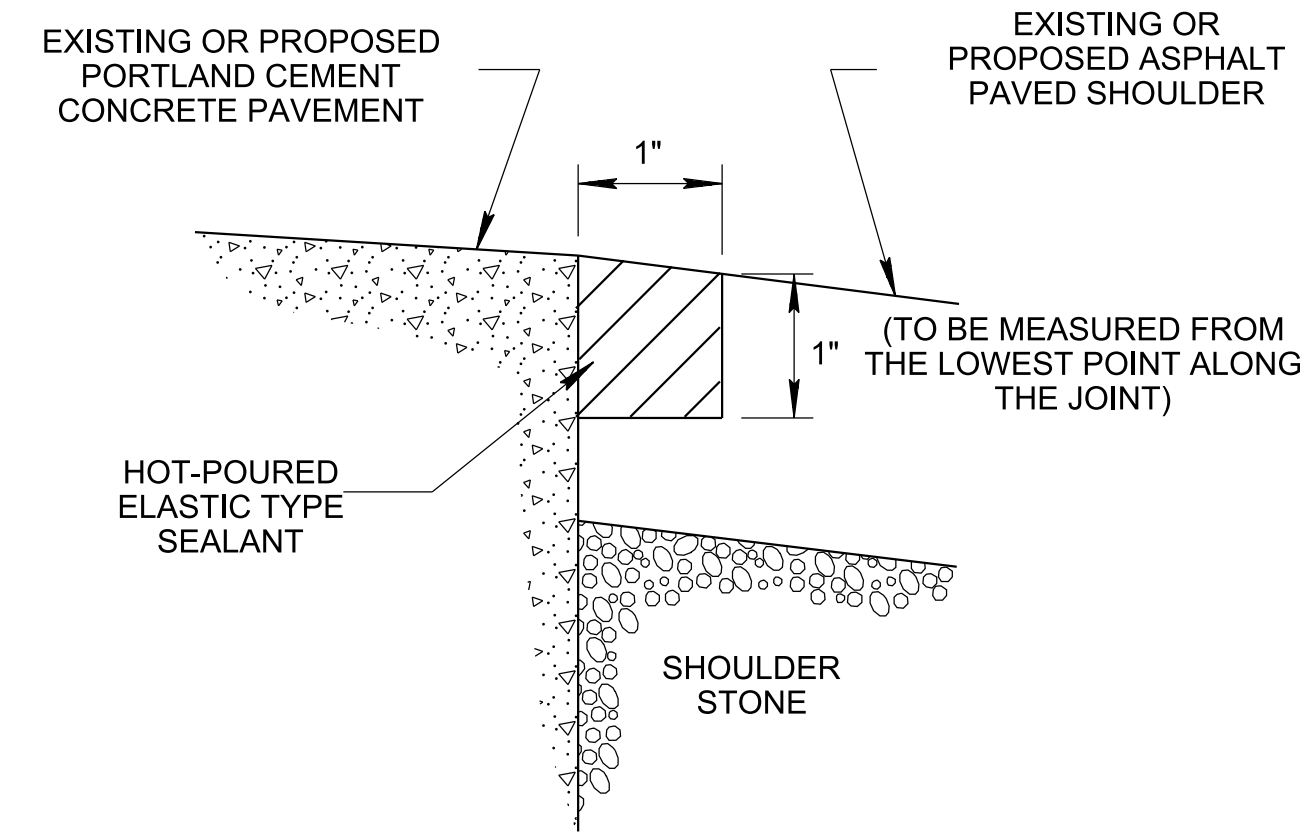
CONSTRUCTION JOINT



PLAIN SAWED GROOVE CONTRACTION JOINT



INSERT AND SAWED GROOVE CONTRACTION JOINT



SHOULDER JOINT DETAIL

LONGITUDINAL AND TRANSVERSE JOINT REPAIR DETAILS

LONGITUDINAL & TRANSVERSE JOINT REPAIR DIMENSION TABLE					
HOT-POURED ELASTIC SEALANT					
JOINT SPACING (LINEAR FEET)	WIDTH OF JOINT (INCHES)	DIAMETER OF BACKER ROD (INCHES)	SEALANT DEPTH BELOW TOP OF JOINT (INCHES)	SEALANT DEPTH (INCHES)	FINISHED JOINT DEPTH (INCHES)
① 20 OR LESS	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{4} \pm \frac{1}{16}$	$\frac{1}{2} \pm \frac{1}{16}$	1 $\frac{1}{4}$
21 TO 30	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{4} \pm \frac{1}{16}$	$\frac{1}{2} \pm \frac{1}{16}$	1 $\frac{1}{8}$
SILICONE SEALANT					
20 OR LESS	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{1}{4} \pm \frac{1}{16}$	$\frac{1}{4} \pm \frac{1}{16}$	1 $\frac{1}{2}$
21 TO 30	$\frac{1}{2}$	$\frac{5}{8}$	$\frac{1}{4} \pm \frac{1}{16}$	$\frac{1}{4} \pm \frac{1}{16}$	1 $\frac{5}{8}$

- ① FOR CONCRETE SLABS WITH RANDOM SPACING ALL JOINTS SHALL BE UNIFORM IN WIDTH. WIDTH OF PROPOSED JOINTS SHALL BE BASED ON AVERAGE JOINT SPACING.
- ② JOINT SHALL BE TO THE DEPTH SHOWN IN THIS TABLE. IT IS TO INCLUDE ADDITIONAL $\frac{1}{4}''$ OR MORE OF DEPTH BELOW BOTTOM OF EXISTING JOINT.

GENERAL NOTES

CONCRETE PAVEMENT JOINT SEALANTS

- (A) SEE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS FOR PAVEMENT JOINTS AND SEALANTS.
- (B) PAVEMENT JOINTS SHALL BE SAWED TO THE DIMENSIONS SHOWN ON THIS SHEET. BOTH SIDES OF THE JOINT ARE TO BE THOROUGHLY CLEANED OF ALL OIL, GREASE, OLD SEALANT, AND ALL OTHER FOREIGN MATERIAL. THE FACES OF THE JOINT ARE TO BE SANDBLASTED. JUST PRIOR TO PLACEMENT OF SEALANT, ALL JOINTS ARE TO BE HIGH-PRESSURE AIR BLOWN TO REMOVE ANY WIND-BLOWN MATERIAL THAT MAY BE PRESENT.
- (C) PAYMENT FOR RESEALING OF JOINTS SHALL BE FULL COMPENSATION FOR ALL CLEANING AND PREPARATION OF JOINTS PRIOR TO SEALANT APPLICATION.
- (D) IF HOT-POURED ELASTIC TYPE CONCRETE JOINT SEALANT IS USED TO RESEAL PAVEMENT JOINTS, THEN PAYMENT SHALL BE MADE UNDER ITEM NO.:
 502-08.01, RESEALING JOINTS (HOT POURED ELASTIC) L.F.
- (E) IF SILICONE SEALANT IS USED TO RESEAL PAVEMENT JOINTS, THEN PAYMENT SHALL BE MADE UNDER ITEM NO.:
 502-08.02, RESEALING JOINTS (SILICONE SEALANT) L.F.

SHOULDER JOINT SEALANTS

- (F) SEALANT SHALL BE USED AS SHOWN ON SHOULDER JOINT DETAIL BETWEEN PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT (MAINLINE OR RAMPS) AND PROPOSED ASPHALT PAVED SHOULDERS; ALSO BETWEEN PROPOSED ASPHALT PAVEMENT (MAINLINE) AND PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT (RAMPS). THIS SHALL APPLY TO ALL NEW CONSTRUCTION PROJECTS UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- (G) HOT-POURED ELASTIC TYPE CONCRETE JOINT SEALANT IS TO BE USED TO SEAL SHOULDER JOINTS AND TO BE PAID FOR UNDER ITEM NO.:
 502-08.03, SEALING SHOULDER JOINTS L.F.

CROSS-REFERENCE DRAWINGS FOR THIS SHEET: RP-J-9, RP-J-23, AND RP-J-24.

APPROVED BY FHWA (ALL OTHERS APPROVED BY TDOT)

STATE OF TENNESSEE
STANDARD DRAWING
DEPARTMENT OF TRANSPORTATION

CONCRETE PAVEMENT JOINT REPAIR DETAILS