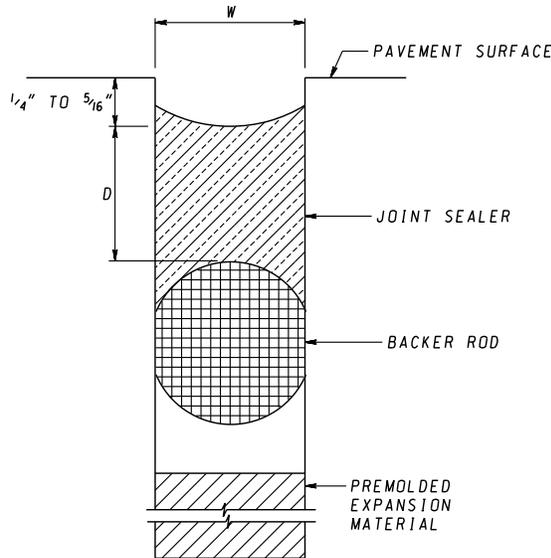


**EXPANSION JOINT
WITH TAPE - HOT POUR**

**CONTRACTION JOINT
SAW CUT**

JOINTS



**EXPANSION JOINT
WITH BACKER ROD - COLD POUR**

SLAB THICKNESS = "T"
BACKER ROD DIA. = 1.25W

NOTES

1. W = NOMINAL 3/4" FOR TRANSVERSE EXPANSION JOINTS UNLESS FIELD CONDITIONS REQUIRE A LARGER OPENING.
D = W FOR TRANSVERSE EXPANSION JOINTS. UNLESS SILICONE JOINT SEALANT IS USED, THEN D = 1/2 W.
W = NOMINAL 1/8" FOR TRANSVERSE CONTRACTION JOINTS & LONGITUDINAL JOINTS.
D = T/3 FOR TRANSVERSE CONTRACTION JOINTS & LONGITUDINAL JOINTS. SEE NOTE 4.
2. THE CONTRACTOR MAY ELECT TO USE TAPE OR BACKER ROD TO MAINTAIN THE SPECIFIED SHAPE FACTORS FOR THE JOINT SEALANT. THE ENGINEER MAY REQUIRE THE USE OF THE BACKER ROD IF THE TAPE METHOD DOES NOT PROHIBIT BOND OF THE JOINT SEALANT TO THE BOTTOM OF THE RESERVOIR OR IF THE BOTTOM OF THE RESERVOIR IS TOO LOW TO MAINTAIN THE SHAPE FACTOR AND THE 1/4" TO 5/16" CLEARANCE BETWEEN THE TOP SURFACE OF THE JOINT SEALANT AND THE ROADWAY SURFACE.
3. SEE SECTION 520 OF THE SPECIFICATIONS.
4. SAWCUT DEPTH SHALL BE T/3 UNLESS EARLY ENTRY SAWING USED, FOR WHICH T/4 IS PERMITTED. IF ADEQUATE CRACK CONTROL CAN BE DEMONSTRATED WITH EARLY ENTRY SAWING, A SHALLOWER DEPTH IS ACCEPTABLE.
5. COST OF JOINTS SHALL BE INCIDENTAL TO THE PRICE BID FOR CONCRETE PAVEMENT REPAIRS OR CONCRETE PAVEMENTS.

SPECIFICATION 520	CATEGORY CODE ITEMS
APPROVED	<i>Raff</i> DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT
	APPROVAL • SHA REVISIONS
	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 3-6-86
	APPROVAL 3-18-86
REVISED 2-25-16	REVISED 2-23-16
REVISED	REVISED
REVISED	REVISED

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
JOINTS FOR PLAIN PORTLAND CEMENT CONCRETE PAVEMENTS

STANDARD NO. MD 577.07