

DETAIL OF TRANSVERSE CONTRACTION JOINT (BEFORE INSTALLATION OF SEAL)

GENERAL NOTES

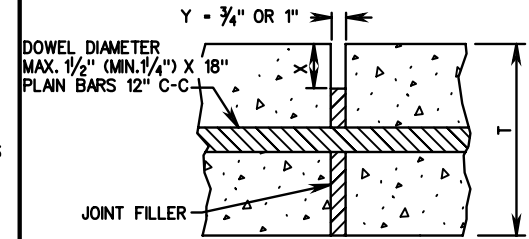
ALTERNATE PREFORMED SEALANTS HAVING A CROSS-SECTIONAL AREA COMPARABLE TO TYPE A (CONTRACTION JOINTS) AND TYPE D (EXPANSION JOINTS) AND MEETING THE APPROVAL OF THE ENGINEER MAY BE SUBSTITUTED.

OTHER TYPES OF JOINT MATERIAL ARE TO BE IN ACCORDANCE WITH THE SPECIFICATIONS.

ALL DETAILS NOT SHOWN HEREON TO BE IN ACCORDANCE WITH STANDARDS PR-2, SHEET 2 OF 5.

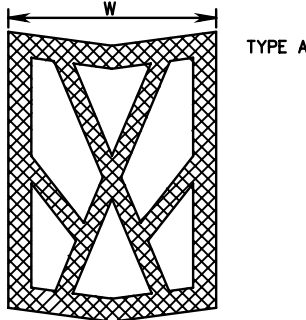
ALL CONTRACTION JOINTS TO BE SAWED IN CONFORMANCE WITH DETAIL TO THE LEFT, EXCEPT THAT WHERE GRAVEL AGGREGATE IS USED IN THE CONCRETE, THE JOINT MAY BE PREPARED BY FORMING 1/4" OR LESS OF THE WIDTH, FOR THE DEPTH SHOWN WITH NON-METALLIC OR REMOVABLE MATERIAL, FOLLOWED BY SAWING TO COMPLETE THE JOINT TO THE REQUIRED WIDTH AND DEPTH.

FOR DETAILS OF TRANSVERSE CONSTRUCTION JOINT, SEE BELOW.



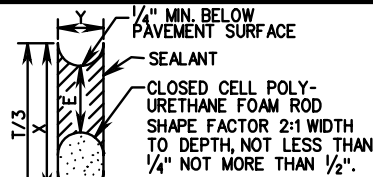
DETAIL OF TRANSVERSE EXPANSION JOINT (BEFORE INSTALLATION OF SEAL)

PREFORMED CHLOROPRENE ELASTOMERIC JOINT SEALANT



SEALANTS FOR TRANSVERSE CONTRACTION JOINTS

SILICONE JOINT SEALANT

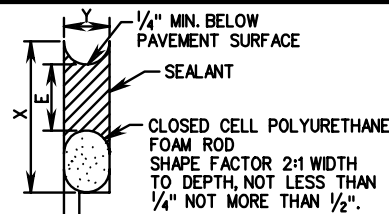


BACK-UP MATERIAL SHALL BE 25% GREATER DIAMETER THAN Y DIMENSION.

TYPE B

| JOINT WIDTH (Y) | MINIMUM SILICONE SEALER THICKNESS(E) |
|-----------------|--------------------------------------|
| 1/4" | 1/4" |
| 3/8" | 1/4" |
| 1/2" | 1/4" |

SILICONE JOINT SEALANT



BACK-UP MATERIAL SHALL BE 25% GREATER DIAMETER THAN Y DIMENSION.

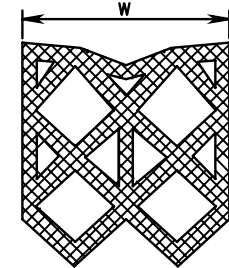
TYPE C

| JOINT WIDTH (Y) | MINIMUM SILICONE SEALER THICKNESS(E) |
|-----------------|--------------------------------------|
| 3/4" | 3/8" |
| 1" | 1/2" |

SEALANTS FOR TRANSVERSE EXPANSION JOINTS

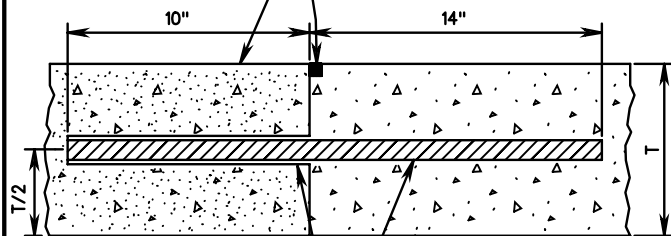
PREFORMED CHLOROPRENE ELASTOMERIC JOINT SEALANT

WHEN Y = 3/4" WHEN Y = 1"
W = 1 1/4" W = 1 5/8"
X = 2" X = 2"



TYPE D

EXISTING CONCRETE PAVEMENT
WIDEN TOP OF GROOVE TO 3/8" X 1/2" AND SEAL WITH HOT POURED ELASTOMERIC SEALANT IF ASPHALT TOP IS NOT USED



DRILL 10" X 1/8" HOLES, 30" C-C INTO EXISTING PAVEMENT 24" #7 DOWELS WITH EPOXY GROUT

PROPOSED WIDENING
24" #7 DEFORMED DOWELS 30" C-C.

METHODS OF WIDENING CONCRETE PAVEMENT (PLAIN AND REINFORCED)

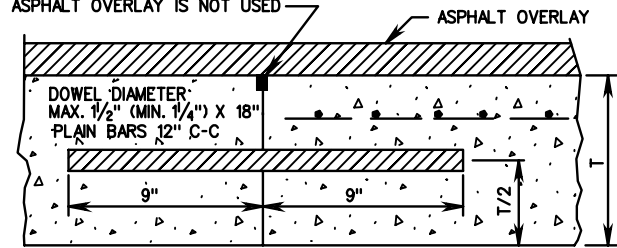
FOR 15' SLAB LENGTHS (PLAIN)

| DIMENSION | SEALANT TYPE | | | |
|-----------|--------------|------|-------------|------------|
| | A | B | C | D |
| X | 1 3/4" | 1/4" | 1 3/4" - 2" | 2" |
| Y | 1/4" | 1/4" | 3/4" OR 1" | 3/4" OR 1" |
| W | 5/8" ± 1/16" | - | - | - |

FOR 30' SLAB LENGTHS (REINFORCED)

| DIMENSION | SEALANT TYPE | | | |
|-----------|--------------|------|--------------|------------|
| | A | B | C | D |
| X | 1 3/4" | 1/4" | 1 3/4" OR 2" | 2" |
| Y | 3/8" | 3/8" | 3/4" OR 1" | 3/4" OR 1" |
| W | 1/4" ± 1/16" | - | - | - |

WIDEN TOP OF GROOVE TO 3/8" X 1/2" AND SEAL WITH TYPE A OR B, IF ASPHALT OVERLAY IS NOT USED



IF JOINT COINCIDES WITH SPECIFIED JOINT, CONSTRUCT IN ACCORDANCE WITH DETAIL ON SHEET 2 (CONTRACTION OR EXPANSION JOINT).

DETAIL OF TRANSVERSE CONSTRUCTION (BUTT) JOINT

(FOR USE WITH PLAIN, REINFORCED, AND PLAIN BASE WITH ASPHALT TOP)

SPECIFICATION REFERENCE

316

PLAIN AND REINFORCED CONCRETE PAVEMENT SHOWING REINFORCEMENT, LONGITUDINAL AND TRANSVERSE JOINTS

VIRGINIA DEPARTMENT OF TRANSPORTATION

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