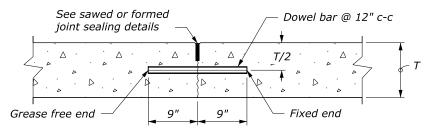


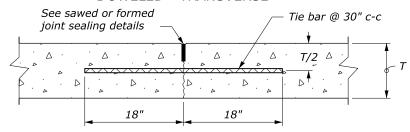
CONTRACTION JOINT

UNDOWELED - TRANSVERSE and UNTIED - LONGITUDINAL



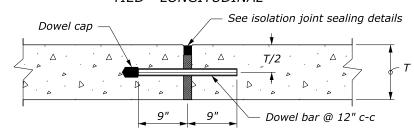
CONTRACTION JOINT

DOWELED - TRANSVERSE



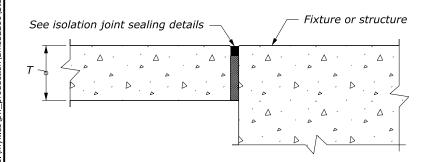
CONTRACTION JOINT

TIED - LONGITUDINAL



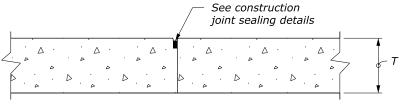
ISOLATION/EXPANSION JOINT

DOWELED - TRANSVERSE



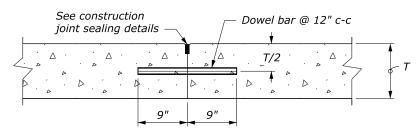
ISOLATION JOINT

UNDOWELED - LONGITUDINAL



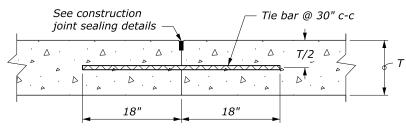
CONSTRUCTION JOINT

PLAIN - TRANSVERSE or LONGITUDINAL



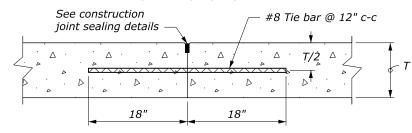
CONSTRUCTION JOINT

DOWEL BUTT - TRANSVERSE



CONSTRUCTION JOINT

TIED BUTT - LONGITUDINAL



CONSTRUCTION JOINT

TIED BUTT - TRANSVERSE

NOTE:

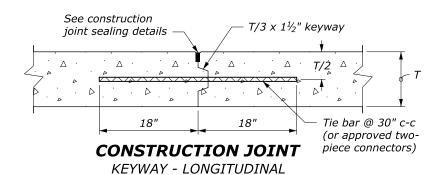
1. Use epoxy-coated material for all tie bars, dowels, and other steel used in the construction of concrete pavement.

STATE

SHEET NUMBE

PROJECT

- 2. Deformed reinforcing bars or hook bolts may be used for tie bars.
- 3. Do not place tie bars within 15 inches of transverse joints.
- 4. Install isolation joints when abutting a fixed structure. Use expansion joint material extending the full depth and length of the concrete surface.
- 5. Transverse and longitudinal construction joints are not included in the joint layout plan. Use transverse and longitudinal construction joints sparingly. Submit planned construction joint locations for approval.
- 6. For construction joints, if tie bars and dowels are not set into concrete during placement, drill and anchor the tie bars and dowels into the existing concrete construction with epoxy resin.
- 7. Maintain joint sealant shape factor of 1:1; except when silicone sealant is used maintain the width to depth shape factor of 2:1 or as recommended by sealant manufacturer.
- 8. See Section 712 for joint material requirements.
- 9. See Standards 501-1 or 502-1 for reinforcement details.



BAR SIZESPAVEMENT
THICKNESS (T)
(in)TIE BAR
TIE BAR
(in)DOWEL BAR
DIAMETER
(in) $T \le 8$ #51 $8 < T \le 10$ #5 $1\frac{1}{4}$

 $10 < T \le 12$

$\frac{1}{2}$ " typ. Joint sealant $\frac{1}{8}$ " typ. $\frac{1}{8$

ISOLATION JOINT

CONSTRUCTION JOINT

SAWED OR FORMED JOINT

MINOR CONCRETE PAVEMENT JOINT SEALING DETAILS

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY
U.S. CUSTOMARY STANDARD

#6

MINOR CONCRETE PAVEMENT JOINTS

STANDARD APPROVED FOR USE --/---- STANDARD
REVISED: 9/2016 501-2

11/2

5 Sentember 2016 3.22 E