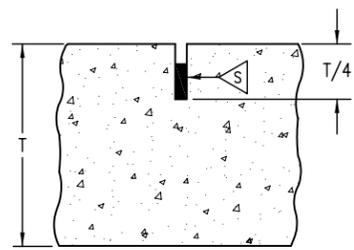
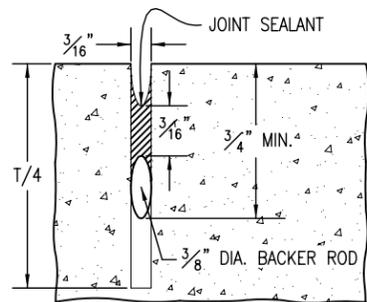


JOINT LAYOUT DETAIL

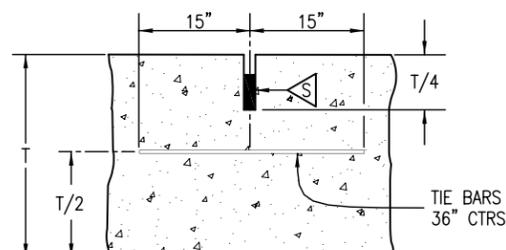


(C-W)

**TRANSVERSE CONTRACTION JOINT
(TRANSVERSE WEAKENED PLANE JOINT)**

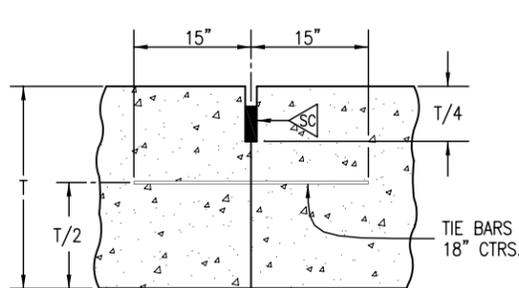


SAWED JOINT



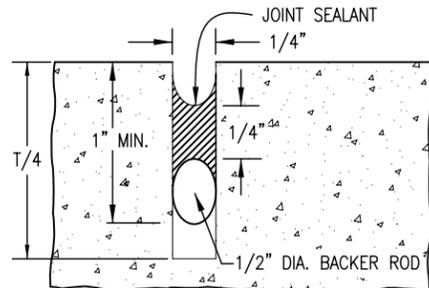
(E-W)

**LONGITUDINAL CONTRACTION JOINT
(LONGITUDINAL WEAKENED PLANE JOINT)**

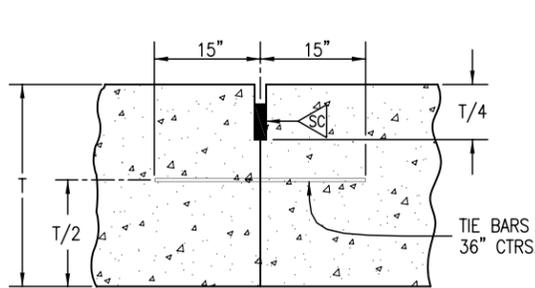


(T-W)

TRANSVERSE CONSTRUCTION JOINT



**SEAL AT
CONSTRUCTION JOINT**

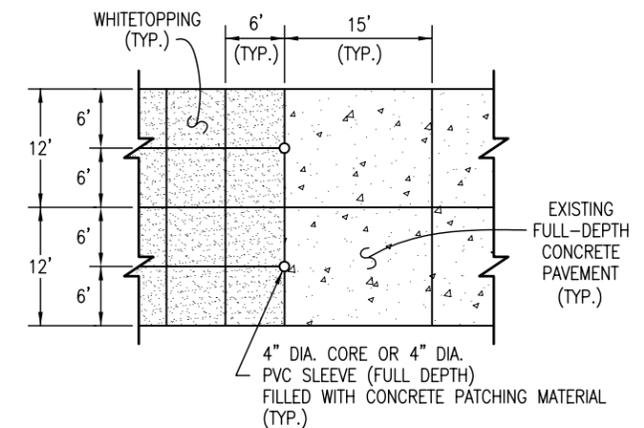


(L-W)

LONGITUDINAL CONSTRUCTION JOINT

GENERAL NOTES

- PAVEMENT THICKNESS, T, SHALL BE AS SHOWN ON THE PLANS.
- TIE BAR SIZE SHALL BE NO. 4 AND SHALL BE EPOXY COATED.
- THIS JOINT LAYOUT IS INTENDED TO BE USED AS A TYPICAL PLAN FOR THE JOINT LAYOUT FOR THE PROJECT. IF THE CONTRACTOR PROPOSES VARIATIONS FROM THIS TYPICAL PLAN OR THE PROJECT HAS UNUSUAL OR IRREGULAR CONDITIONS NOT COVERED HEREIN, THE CONTRACTOR SHALL PREPARE A PAVEMENT JOINT LAYOUT FOR APPROVAL BY THE ENGINEER.
- TIED LONGITUDINAL CONSTRUCTION JOINTS (L-W) ARE ALLOWED TO FACILITATE PHASING. PROJECT SPECIFIC LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
- LONGITUDINAL JOINTS SHALL COINCIDE WITH LANE MARKINGS WHEN POSSIBLE.
- CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE CENTERLINE OF PAVEMENT AND EXTEND THROUGH THE CURB OR CURB AND GUTTER.
- JOINTS SHALL NOT BE SAWED MORE THAN 6 FT. APART IN ANY DIRECTION UNLESS APPROVED BY THE ENGINEER.
- ALL JOINTS SHALL BE SINGLE CUT AND SEALED WITH AN APPROVED JOINT SEALER.
- THE CONTRACTOR SHALL, UNLESS OTHERWISE SHOWN ON THE PLANS, SELECT AND USE A BOND BREAKER AT INLETS, MANHOLES AND SIMILAR SIZE STRUCTURES. SMALLER STRUCTURES SUCH AS VALVE AND MONUMENT BOXES SHALL NOT REQUIRE A BOND BREAKER. SEE STANDARD PLAN M-412-1 FOR INLET AND MANHOLE JOINT DETAILS.



PVC CRACK MITIGATION PLAN DETAIL FOR PAVEMENT TRANSITION JOINTS

**THIN WHITETOPPING TYPICAL JOINT LAYOUT
D-412-2**

THIS JOINT LAYOUT DETAIL IS OF A TYPICAL DIVIDED HIGHWAY SHOWING ONLY ONE DIRECTION.

APPLICATION: CURBS, GUTTERS, AND MEDIANS ARE NOT SHOWN ON THIS DRAWING.
STANDARD PLAN M-412-1 SHOULD BE SELECTED ON STANDARD PLANS LIST.

HISTORY: DEVELOPED THROUGH CDOT EXPERIENCE GATHERED ON THIN WHITETOPPING OVERLAY PROJECTS.

PLEASE CALL THE STANDARDS ENGINEER AT 303-757-9083 FOR ANY QUESTIONS. DATE: FEBRUARY 17, 2006
PLEASE DELETE THIS BLOCK BEFORE USING THIS DETAIL ON A PROJECT. SRJ/LTA

Computer File Information		Sheet Revisions		Colorado Department of Transportation		As Constructed		THIN WHITETOPPING TYPICAL JOINT LAYOUT D-412-2		Project No./Code			
Creation Date:	XX\XX\XX Initials: XXX	(R-X)	mm/dd/yy XXXXX	XXX	Street Address XXXXXXXXX City, State Zip Code Phone: XXX-XXX-XXXX FAX: XXX-XXX-XXXX	No Revisions:	mm/dd/yy	Designer:	XXXXXXXX	Number			
Last Modification Date:	XX\XX\XX Initials: XXX	(R-X)	mm/dd/yy XXXXX	XXX		Revised:	mm/dd/yy	Detailer:	XXXXXXXX	Code			
Full Path:	\\XXXXX\XXXXX	(R-X)	mm/dd/yy XXXXX	XXX		Void:	mm/dd/yy	Sheet Subset:	XXXXXXXX	Subset Sheets:	XXX of XXX	Sheet Number	XX
Drawing File Name:	gespXXSX.DWG	(R-X)	mm/dd/yy XXXXX	XXX		Region Number or Staff	Initials						
Acad Ver.	RXX Scale: NA Units: NA	(R-X)	mm/dd/yy XXXXX	XXX									