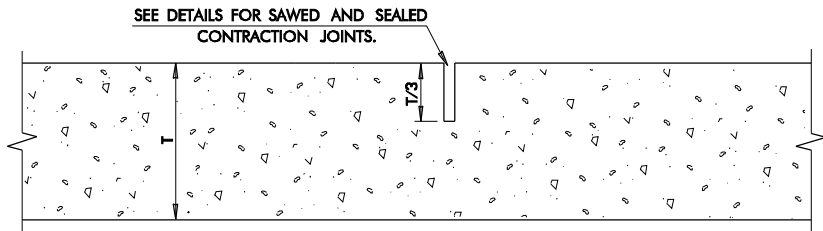
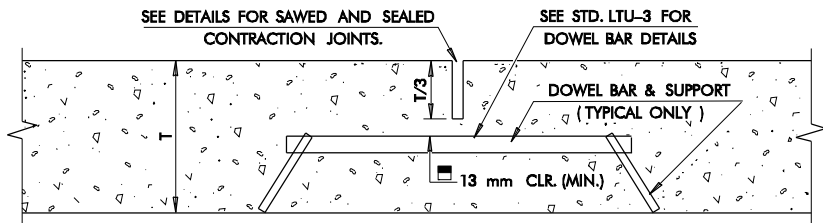


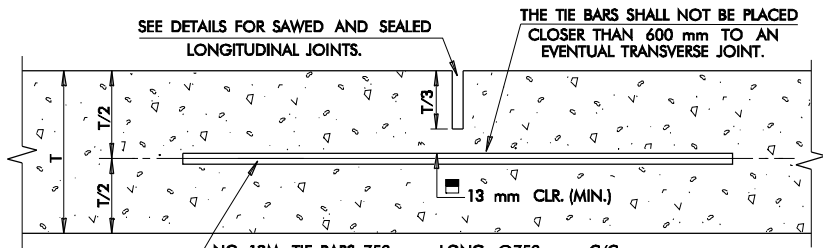
DESCRIPTION	REVISIONS	DATE
RE-ISSUE W/METRIC 1999 SPECS, Rem.T&G Refs.		
Rem. Alt. Int. Det. Add. Butt Jnt. Refs.	lgc 7/99	
Tie Bars Specs. @ Butt Joints	lgc 8/00	



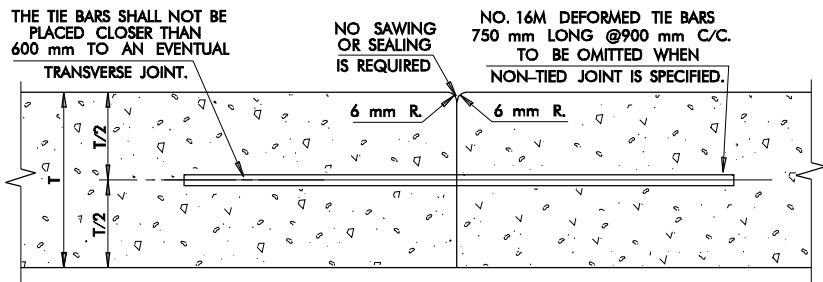
NON-DOWELED CONTRACTION JOINT



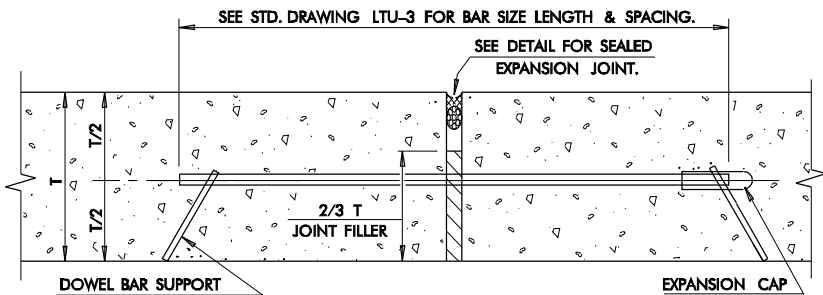
● DOWELED CONTRACTION JOINT



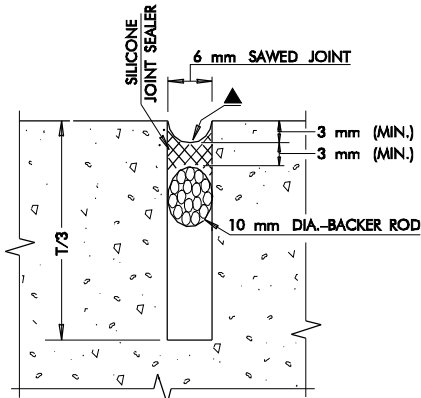
LONGITUDINAL JOINT



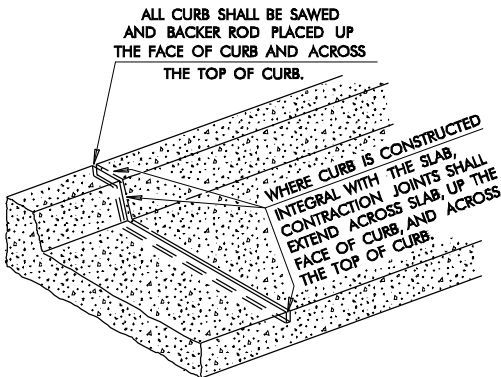
TIED BUTT JOINT
LONGITUDINAL CONSTRUCTION JOINT



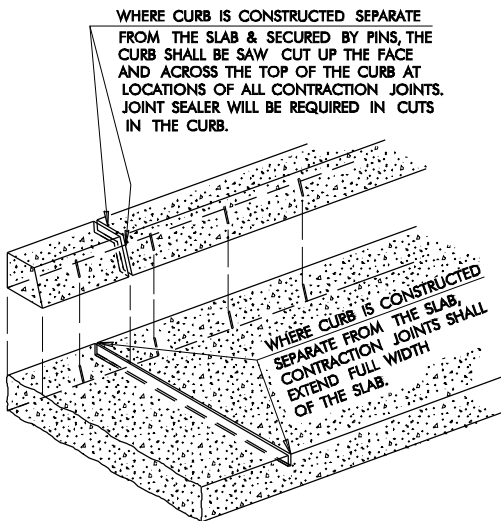
EXPANSION JOINT / ISOLATION JOINT ■
■ OMIT DOWEL BARS, CAPS & SUPPORTS FOR ISOLATION JOINTS
SEE STANDARD DRAWING LTU-3 FOR DETAILS OF
ALTERNATE TYPES OF DOWEL BAR SUPPORTS.



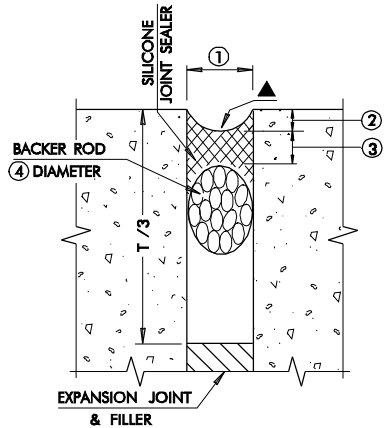
ALTERNATE DETAILS
SAWED AND SEALED CONTRACTION,
AND LONGITUDINAL JOINTS



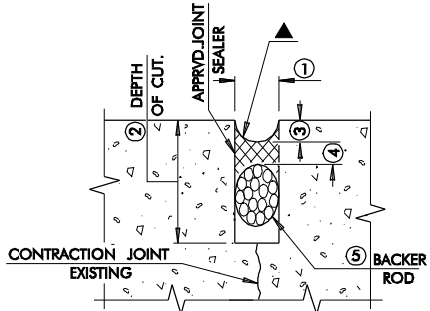
CONTRACTION JOINT WITH
INTEGRAL CURB



CONTRACTION JOINT WITH
SEPARATE CURB



SEALED EXPANSION JOINT



JOINT REHABILITATION DETAILS

JOINT REHABILITATION TREATMENT TABLE				
JOINT WIDTH	DEPTH OF CUT	SEALANT RECESS DEPTH	SEALANT THICKNESS	BACKER ROD DIAMETER
mm (1)	mm (2)	mm (3)	mm (4)	mm (5)
6	28	3 (MIN.)	6	10
9	32	3 (MIN.)	9	13
13	44	3 (MIN.)	13	16
19	44	3 (MIN.)	19	22
22	44	3 (MIN.)	22	25
25	51	—	—	29
OVER 25	51+	—	—	31+

SEE SEC. 701.08(D) OF THE METRIC STD. SPECIFICATIONS

JOINT REHABILITATION – POLYMER SEALANT

JOINT REHABILITATION TREATMENT TABLE				
JOINT WIDTH	DEPTH OF CUT	SEALANT RECESS DEPTH	SILICONE SEALANT THICKNESS	BACKER ROD DIAMETER
mm (1)	mm (2)	mm (3)	mm (4)	mm (5)
10	32	6	5	13
13	44	6	6	16
19	44	6	10	22
22	44	13	11	25
25	51	13	13	29
OVER 25	OVER 51	13	13	32

SEE SEC. 701.08(F) OF THE METRIC STANDARD SPECIFICATIONS

JOINT REHABILITATION – SILICONE SEALANT

EXPANSION JOINT / ISOLATION JOINT TREATMENT TABLE			
JOINT WIDTH (1)	SEALANT RECESS DEPTH (2)	SILICONE SEALANT THICKNESS (3)	BACKER ROD DIAMETER (4)
mm	mm	mm	mm
13	6	6	16
19	6	10	22
25	10	13	32
38	13	13	51
51	13	19	63

DETAILS FOR SEALED
EXPANSION / ISOLATION JOINT

EXPANSION OR ISOLATION JOINT WIDTH SHALL BE 13 mm, UNLESS OTHERWISE SPECIFIED ON THE PLANS. TABLE VALUES, AS SHOWN THIS TABLE, SHALL BE USED IN THOSE SPECIFIED CASES.

GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 METRIC STANDARD SPECIFICATIONS.
- ONLY SILICONE SEALANT MEETING REQUIREMENTS OF THE 1999 METRIC STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS SHALL BE ACCEPTABLE FOR USE.
- ALL JOINTS SHALL BE CLEANED IN ACCORDANCE WITH 1999 METRIC STANDARD SPECIFICATIONS 414.04(0) AND 419.04. WATER FLUSHING AND AIR CLEANING OF JOINT SHALL BE IN ONLY ONE DIRECTION-FORWARD. SANDBLASTING SHALL BE PERFORMED IN TWO PASSES, ONE FOR EACH FACE OF THE JOINT.
- THE SHAPE FACTOR COMBINED WITH JOINT CLEANLINESS IS THE CRITICAL COMBINATION NECESSARY TO GUARANTEE DESIRED BONDING AND FUNCTION OF SEALED JOINTS. NO TOLERANCE EXCEPT THOSE SHOWN HERE WILL BE ALLOWED.
- ▲ THE JOINT SHAPE FACTOR IS DEFINED AS THE FINAL PRESSED SHAPE OF THE SILICONE MATERIAL. THE TOOLING OPERATION WILL FIRMLY PRESS THE FRESHLY APPLIED MATERIAL INTIMATELY AGAINST THE CUT SIDES OF THE RECESS AND THE BACKER ROD SURFACES. THE ROUNDED SHAPE ON TOP AND BOTTOM OF THE SILICONE ALLOWS THE SEALANT TO PROPERLY FLEX BUT MAINTAIN ADHERANCE TO THE PAVING.
- ON JOINTED PORTLAND CEMENT CONCRETE PAVEMENTS, DOWELED CONTRACTION JOINTS SHALL BE USED ON DRIVING LANES ONLY. CONCRETE SHOULDERS SHALL NOT BE DOWELED UNLESS SPECIFIED ON THE PLANS.
- LONGITUDINAL JOINTS BETWEEN PAVEMENT AND TIED CONCRETE SHOULDERS SHALL NOT BE SAWED OR SEALED UNLESS OTHERWISE SHOWN ON THE PLANS.
- ON ALL SAWED JOINTS, THE KERF DEPTH SHALL CLEAR DOWEL BARS, TIE BARS AND/OR REINFORCING STEEL BY A MINIMUM OF 13 MILLIMETERS.
- CONTRACTION JOINTS IN JOINTED P.C. PAVEMENT SHALL BE AT APPROXIMATELY 4.5 METER CENTERS, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

APPROVED BY ROADWAY ENGINEER	DATE
OKLAHOMA DEPT. OF TRANSPORTATION ROADWAY STANDARD (METRIC) LONGITUDINAL JOINTS – EXPANSION JOINTS CONTRACTION JOINTS & SEALERS	
1999 SPECIFICATIONS	LECS-3 01M
ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.	
R-119M	