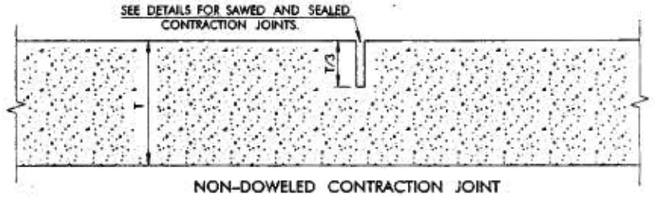
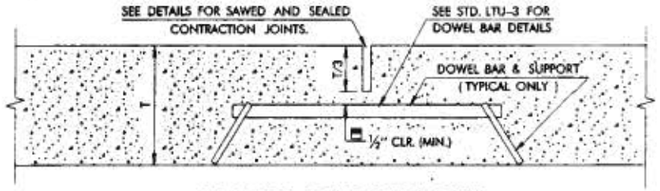
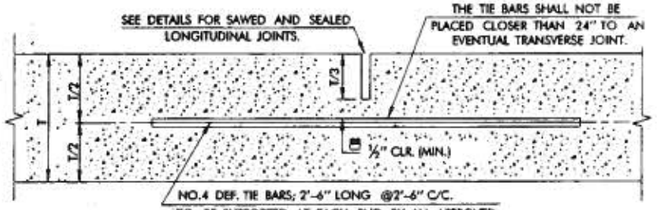
REVISIONS	
DESCRIPTION	DATE
RE-ISSUE W/ENGLISH 1999 SPECS., Rem. T&G Jnt. Rem. Alt. Joint Det., Modify Notch Shape	7/99
Tie Bars Specs.@Butt Joints	8/00



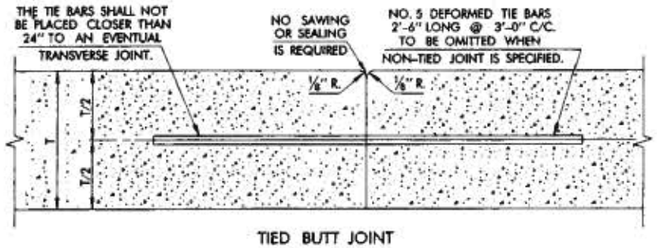
NON-DOWELED CONTRACTION JOINT



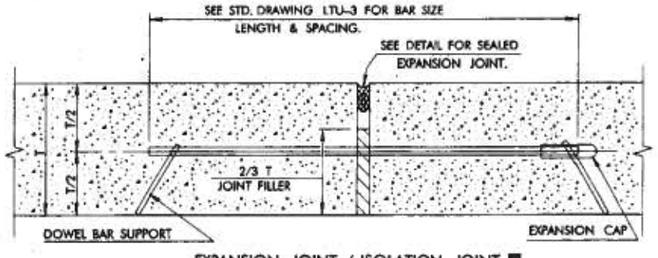
◒ DOWELED CONTRACTION JOINT



LONGITUDINAL JOINT

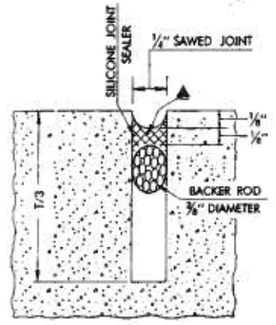


TIED BUTT JOINT
LONGITUDINAL CONSTRUCTION JOINT

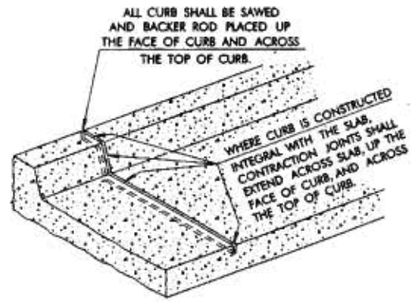


EXPANSION JOINT / ISOLATION JOINT ■

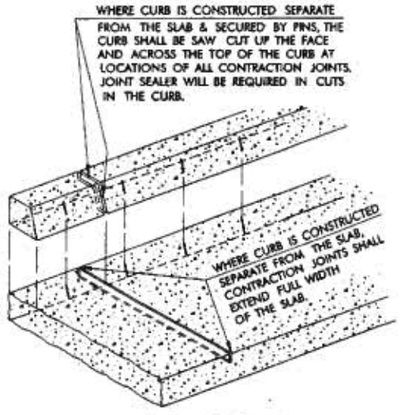
■ OMIT DOWEL BARS, CAPS & SUPPORTS FOR ISOLATION JOINTS SEE STANDARD DRAWING LTU-3 FOR DETAILS OF ALTERNATE TYPES OF DOWEL BAR SUPPORTS.



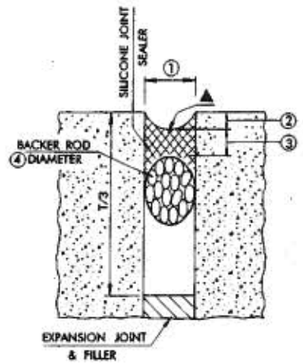
ALTERNATE DETAILS
SAWED AND SEALED CONTRACTION, AND LONGITUDINAL JOINTS



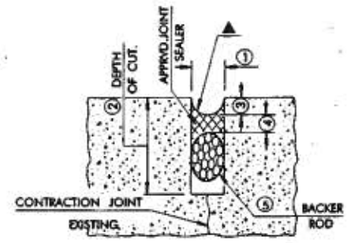
CONTRACTION JOINT WITH INTEGRAL CURB



CONTRACTION JOINT WITH SEPARATE CURB



SEALED EXPANSION JOINT



JOINT REHABILITATION DETAILS

JOINT REHABILITATION TREATMENT TABLE

JOINT WIDTH ①	DEPTH OF CUT ②	SEALANT RECESS DEPTH ③	SEALANT THICKNESS ④	BACKER ROD DIAMETER ⑤
INCHES	INCHES	INCHES	INCHES	INCHES
¼"	1⅛"	⅛" (MIN.)	½"	⅜"
⅜"	1¼"	⅛" (MIN.)	⅜"	½"
½"	1⅜"	⅛" (MIN.)	½"	⅝"
⅝"	1¾"	⅛" (MIN.)	⅝"	⅞"
¾"	1¾"	⅛" (MIN.)	¾"	⅞"
⅞"	1¾"	⅛" (MIN.)	⅞"	1"
1"	2"	—	—	1⅛"
OVER 1"	OVER 2"	—	—	1¼" +

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

JOINT REHABILITATION – POLYMER SEALANT

JOINT REHABILITATION TREATMENT TABLE

JOINT WIDTH ①	DEPTH OF CUT ②	SEALANT RECESS DEPTH ③	SILICONE SEALANT THICKNESS ④	BACKER ROD DIAMETER ⑤
INCHES	INCHES	INCHES	INCHES	INCHES
⅜"	1¼"	¼"	3/16"	⅛"
½"	1⅜"	¼"	¼"	⅜"
⅝"	1⅜"	¼"	⅜"	⅞"
¾"	1¾"	½"	7/16"	1"
⅞"	1¾"	½"	½"	1⅛"
1"	2"	½"	½"	1¼"
OVER 1"	OVER 2"	½"	½"	1¼"

SEE SEC. 701.08(F) OF THE STANDARD SPECIFICATIONS

JOINT REHABILTIATION – SILICONE SEALANT

EXPANSION JOINT / ISOLATION JOINT TREATMENT TABLE

JOINT WIDTH ①	SEALANT RECESS DEPTH ②	SILICONE SEALANT THICKNESS ③	BACKER ROD DIAMETER ④
INCHES	INCHES	INCHES	INCHES
½"	¼"	¼"	⅝"
¾"	¼"	⅜"	⅞"
1"	⅜"	½"	1¼"
1½"	½"	½"	2"
2"	½"	¾"	2½"

DETAILS FOR SEALED EXPANSION / ISOLATION JOINT

EXPANSION OR ISOLATION JOINT WIDTH SHALL BE 1/2", UNLESS OTHERWISE SPECIFIED ON THE PLANS. TABLE VALUES, AS SHOWN THIS TABLE , SHALL BE USED IN THOSE SPECIFIED CASES.

GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 ENGLISH STANDARD SPECIFICATIONS.
2. ONLY SILICONE SEALANT MEETING REQUIREMENTS OF THE 1999 ENGLISH STANDARD SPECIFICATIONS SHALL BE ACCEPTABLE FOR USE.
3. ALL JOINTS SHALL BE CLEANED IN ACCORDANCE WITH 1999 ENGLISH 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.
4. THE SHAPE FACTOR COMBINED WITH JOINT CLEANNESS IS THE CRITICAL COMBINATION NECESSARY TO GUARANTEE DESIRED BONDING AND FUNCTION OF SEALED JOINTS. NO TOLERANCE EXCEPT THOSE SHOWN HERE WILL BE ALLOWED.

▲ 5. 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.

◒ 6. ON JOINTED PORTLAND CEMENT CONCRETE PAVEMENTS, DOWELLED CONTRACTION JOINTS SHALL BE USED ON DRIVING LANES ONLY. CONCRETE SHOULDERS SHALL NOT BE DOWELLED UNLESS SPECIFIED ON THE PLANS.

7. LONGITUDINAL JOINTS BETWEEN PAVEMENT AND TIED CONCRETE SHOULDERS SHALL NOT BE SAWED OR SEALED UNLESS OTHERWISE SHOWN ON THE PLANS.

▬ 8. ON ALL SAWED JOINTS, THE KERF DEPTH SHALL CLEAR DOWEL BARS, TIE BARS AND/OR REINFORCING STEEL BY A MINIMUM OF 1/2".

9. CONTRACTION JOINTS IN JOINTED P. C. PAVEMENT SHALL BE AT APPROXIMATELY 15'-0" CENTERS, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

APPROVED BY ROADWAY ENGINEER C. M. Senkowski DATE 8/15/00

OKLAHOMA DEPT. OF TRANSPORTATION
ROADWAY STANDARD (ENGLISH)

LONGITUDINAL JOINTS – EXPANSION JOINTS
CONTRACTION JOINTS & SEALERS

1999 SPECIFICATIONS	LECS-3	01E
		R-119E