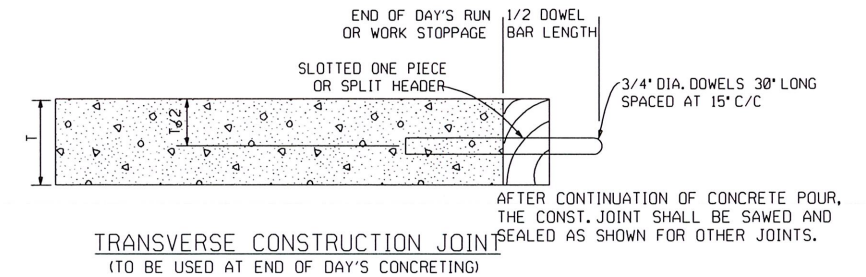


EXPANSION JOINT TREATMENT TABLE

JOINT WIDTH	SEALANT RECESS DEPTH	SILICONE SEALANT THICKNESS	BACKER ROD DIAMETER
①	②	③	④
1/2"	1/4"	1/4"	5/8"
3/4"	1/4"	3/8"	7/8"
1-1/2"	1/2"	1/2"	2"

DETAILS FOR SEALED EXPANSION JOINT



**GENERAL NOTES**

ALL CONSTRUCTION AND MATERIALS REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

ONLY SILICONE SEALANT MEETING REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS SHALL BE ACCEPTABLE FOR USE.

ALL JOINTS SHALL BE BLAST CLEANED WITH WATER. THE LOOSE PARTICLES SHALL BE BLOWN OUT WITH OIL-FREE COMPRESSED AIR. SURFACES MUST BE CLEAN, DRY, FROST-FREE, AND DUST-FREE DURING INSTALLATION OF BACKER ROD AND SEALER.

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.

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 THE TOP AND BOTTOM OF THE SILICONE ALLOWS THE SEALANT TO PROPERLY FLEX BUT MAINTAIN ADHERENCE TO THE PAVING.

**NOTE:**

- COST OF SAWING, DOWEL BAR ASSEMBLIES, JOINT FILLER, SEALER, AND STEEL SHALL BE INCLUDED IN UNIT PRICE BID FOR PCC PVMT.
- EXPANSION JOINT MATERIAL SHALL BE BITUMINOUS FIBER AND OF NON-EXTRUDING TYPE.
- REFER TO ODOT DRAWING LTU-5-0 FOR APPROVED LOAD TRANSFER UNITS AT TRANSVERSE CONCRETE PAVEMENT JOINTS.
- APPROVED TYPE DOWEL BAR ASSEMBLY MAY BE SUBSTITUTED FOR THE ASSEMBLY SHOWN WHEN APPROVED BY THE ENGINEER. UPON APPROVAL BY THE ENGINEER, THE SAME SHALL BE USED THROUGHOUT THE PROJECT.
- ANY DEVICE USED FOR SUPPORTING DOWELS SHALL HAVE SUFFICIENT RIGIDITY AND SO BE HELD IN DURING CONCRETE PLACEMENT THAT DOWELS WILL BE IN TRUE POSITION IN THE FINISHED PAVEMENT. ANY DEVICE NOT PRODUCING THE DESIRED RESULTS SHALL BE DISCONTINUED.
- PRODUCER AND CONTRACTOR SHALL AVOID PATENT INFRINGEMENT OF BASKET AND SHALL SAVE THE CITY HARMLESS IN THE USE OF ANY BASKET.
- DOWEL BARS SHALL HAVE A SHOP OR FIELD COAT OF ZINC CHROMATE FOR THE FULL LENGTH OF BAR AND SHALL HAVE A FIELD COAT OF M-70 ON THE FREE END (MIN. 1/2 LENGTH OF BAR).
- ALL JOINTS TO BE SEALED WITH SELF-LEVELING SILICONE PER DETAIL.

**JOINT DETAILS**

*[Signature]*  
CITY ENGINEER

*[Signature]*  
DESIGN MANAGER

CITY OF TULSA, OKLAHOMA  
ENGINEERING SERVICES DEPARTMENT  
CONCRETE PAVEMENT STANDARD  
DETAILS FOR ALLEYS, RESIDENTIAL  
AND COLLECTOR STREETS  
SHEET 2 OF 2  
DATE: MARCH 2022

REVISION	BY	DATE