GENERAL NOTES:

EXPANSION GAP WILL CHANGE AT OTHER TEMPERATURES AND THE CONTRACTOR SHALL COMPENSATE FOR JOINT MATERIAL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMENDATIONS.

JOINT SEAL SYSTEM:

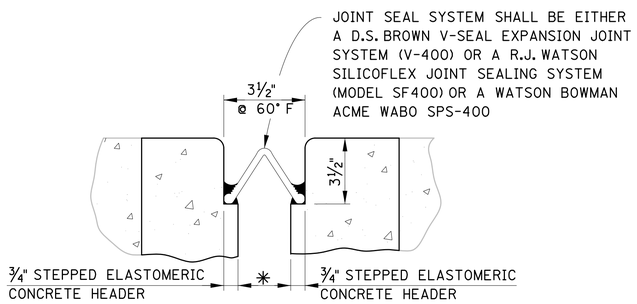
THE EXPANSION JOINT SYSTEM USED SHALL BE ON THE TDOT APPROVED QUALIFIED LISTS FOR ACCEPTABLE PRODUCTS. THE JOINT SYSTEM SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF AN AUTHORIZED TECHNICIAN PROVIDED BY THE EXPANSION JOINT SUPPLIER. FOR EACH JOINT AT EACH BRIDGE AND FOR EACH BRIDGE LOCATION WITHIN THE PROJECT, THE TECHNICIAN MUST APPROVE ALL ASPECTS OF THE GEOMETRY AND PREPARATION, INCLUDING GRINDING AND/OR GROOVING, PRIOR TO ANY JOINT MATERIAL INSTALLATION. ELASTOMERIC CONCRETE BLOCKOUT FOR JOINT SEAL SYSTEM SHALL BE CONSTRUCTED USING LUMBER WITH A 1 1/2 "×3 1/2 " CROSS SECTION.

EXPANSION JOINT REPAIR:

INCLUDES FURNISHING ALL MATERIALS AND EQUIPMENT, REMOVAL OF EXISTING ELASTOMERIC HEADER (AS DIRECTED BY THE ENGINEER), COMPLETE INSTALLATION AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. DETAILED SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL BE SUBMITTED TO THE PROJECT ENGINEER PRIOR TO CONSTRUCTION. THE MANUFACTURER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORKMANSHIP AND PERFORMANCE OF THE INSTALLED JOINT.

THE ELASTOMERIC CONCRETE SHALL NOT BE PLACED IF ANY MOISTURE IS PRESENT AT THE AREAS WHERE IT IS TO BE PLACED. THE ELASTOMERIC CONCRETE PROVIDED SHALL BE CAPABLE OF BONDING TO STEEL, CONCRETE AND ASPHALT. CURING OF THE ELASTOMERIC CONCRETE SHALL BE ACCORDING TO MANUFACTURER'S RECOMMENDATION WITH ANY REQUIRED SPECIAL EQUIPMENT PROVIDED.

COST OF EXPANSION JOINT REPAIRS TO BE INCLUDED IN ITEM NO. 604-10.44.



PARTIAL SECTION

(COMPLETED DETAIL)

✳ 4-INCH. @ 20° F, 2-INCH. @ 60° F, 0-INCH. @ 100° F
TDOT INSPECTOR TO VERIFY FORMED OPENING GAP IS CORRECT AT THE TIME OF CONCRETE POUR.

DETAIL FOR EXPANSION JOINT REPAIR BETWEEN PAVEMENT AT BRIDGE END AND ROADWAY PAVEMENT

GENERAL NOTES:

EXPANSION GAP WILL CHANGE AT OTHER TEMPERATURES AND THE CONTRACTOR SHALL COMPENSATE FOR JOINT MATERIAL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMENDATIONS.

THE DEPTH OF THE JOINT POURED SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS FOR PROPER INSTALLATION. THE PAVEMENT AND AIR TEMPERATURE SHALL BE 40°F AND RISING AND SHALL NOT FALL BELOW 40°F PRIOR TO COMPLETE CURE OF THE SEALANT.

THE SEALANT THICKNESS PLACED SHALL BE CHECKED, PRIOR TO CURING, AT A MINIMUM OF TWO (2) LOCATIONS ACROSS THE LENGTH OF THE REPAIR TO ASSURE PROPER THICKNESS.

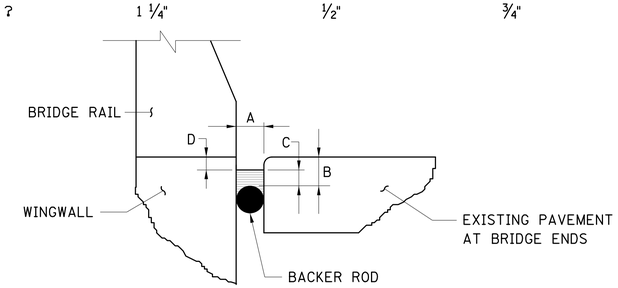
TOP 3" OF JOINT SHALL BE BLAST CLEANED TO REMOVE LAITANCE AND OTHER DELETERIOUS MATERIAL BEFORE INSTALLATION OF BACKER ROD OR SEALANT. ALL DEBRIS AND EXISTING JOINT MATERIAL SHALL BE REMOVED FOR THE FULL DEPTH OF THE EXISTING JOINT OPENING.

EXPANSION JOINT REPAIR:

INCLUDES FURNISHING ALL MATERIALS AND EQUIPMENT, COMPLETE INSTALLATION AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE JOINT SEALANT SYSTEM CONSISTS OF A SURFACE PRIMER: A SELF-LEVELING OR NON-SAG SEALANT AND BACKER MATERIAL. DETAILED SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL BE SUBMITTED TO THE PROJECT ENGINEER PRIOR TO CONSTRUCTION. THE MANUFACTURER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE WORKMANSHIP AND PERFORMANCE OF THE INSTALLED JOINT.

ABUTMENTS 1 & 2 EXPANSION JOINT REPAIR: COST OF CLEANING OUT EXISTING GAP BETWEEN WINGWALL AND PAVEMENT AT BRIDGE END, INSTALLING BACKER ROD, NEW JOINT SEALER, SANDBLASTING, GRINDING AND ANY MISCELLANEOUS MATERIALS AND LABOR NECESSARY FOR THE COMPLETE INSTALLATION OF THE NEW JOINT MATERIAL TO BE INCLUDED UNDER ITEM NO. 604-10.70, EXPANSION JOINT REPAIRS, L.F.

A JOINT OPENING AT TIME OF SEALING	B DISTANCE FROM TOP OF BACKER ROD TO DRIVE SURFACE	C DEPTH OF SEALANT FROM TOP OF BACKER ROD TO SURFACE OF SEALANT	D DISTANCE FROM TOP OF SEALANT TO DRIVE SURFACE
± ?	1 ¼"	½"	¾"



DETAIL "A"

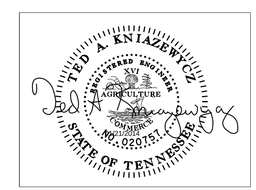
DETAIL FOR JOINT REPAIR BETWEEN PAVEMENT AT BRIDGE END AND WINGWALL / BRIDGERAIL

CONST. NO. _____

PROJECT NO.	YEAR	SHEET NO.
19012-4159-04	2014	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

JOINT SEALING DETAILS

BRIDGE NO. 1
I-65 OVER
CSXT RAILROAD
BR. NO. 19-I0065-20.10
DAVIDSON COUNTY
2014

BR-114-149

DESIGNED BY GRESHAM SMITH & PARTNERS DATE 6/13
DRAWN BY GDY DATE 6/13
SUPERVISED BY TAK DATE 6/13
CHECKED BY TQT DATE

GS&P GRESHAM SMITH AND PARTNERS

gyoun
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1/21/2014
PRF