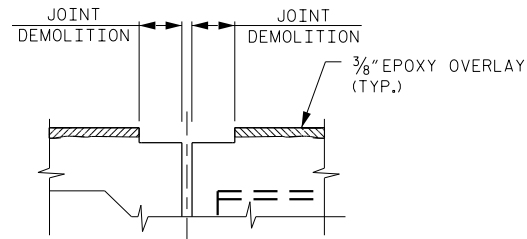
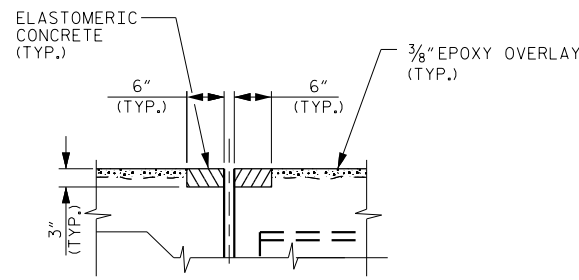


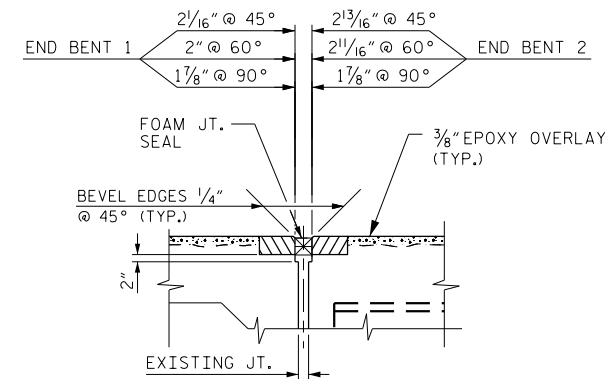
(EXISTING JOINT)



(MINIMUM EXISTING JOINT DEMOLITION)



(PROPOSED JOINT PRE-SAWED DIMENSIONS)



(PROPOSED FOAM JOINT SEAL EXPANSION)
(BRIDGE 70 & 75)

NOTES:

CONTRACTOR SHALL FIELD VERIFY THE EXISTING FORMED OPENING PRIOR TO OBTAINING JOINT MATERIAL.

RETAIN ALL EXISTING REINFORCING STEEL. CLEAN AND REPAIR AS NEEDED.

THE WIDTH OF THE UNCOMPRESSED FOAM JOINT MATERIAL SHALL BE 2 1/2" FOR BRIDGES 70 & 75 AT END BENT 1 AND 3 1/4" FOR END BENT 2.

FOR EXPANSION JOINT SEAL REPAIR, SEE SPECIAL PROVISIONS.

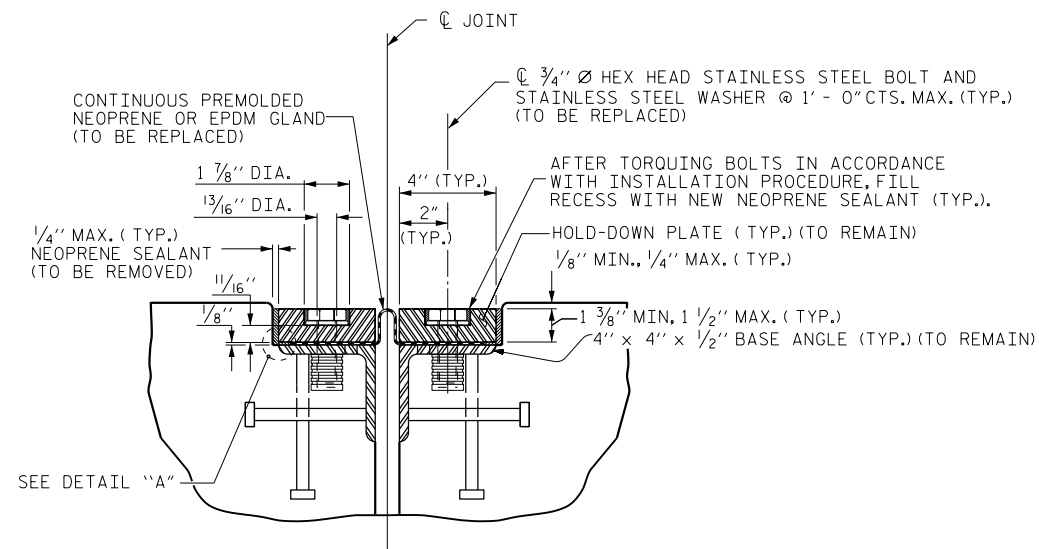
A PREMOLDED CORRUGATED OR NON-CORRUGATED GLAND SHALL BE USED FOR JOINTS SKEWED BETWEEN 50° THRU 130°. FOR JOINTS SKEWED LESS THAN 50° OR MORE THAN 130°, ONLY A CORRUGATED GLAND SHALL BE USED.

ALL HOLD-DOWN BOLTS SHALL CONFORM TO ASTM F593 ALLOY 304 STAINLESS STEEL AND WASHERS SHALL CONFORM TO ASTM F844 EXCEPT THEY SHALL BE MADE FROM ALLOY 304 STAINLESS STEEL.

FOR EXPANSION JOINT REPAIR PROCEDURE, SEE EXPANSION JOINT SEAL REPAIR SPECIAL PROVISION.

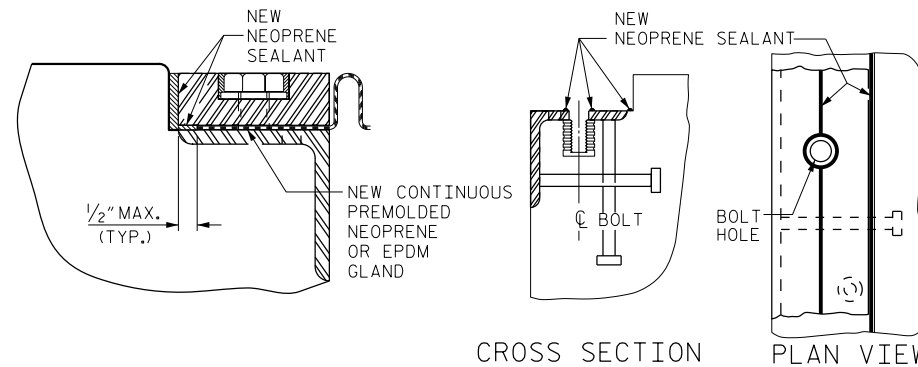
JOINT INSTALLATION SEQUENCE AT END BENTS

SECTION D-D



EXISTING EXPANSION JOINT REPAIR

SECTION E-E



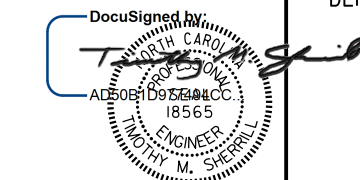
REPAIR INSTALLATION SKETCH

DETAIL "A"

MOVEMENT AND SETTING AT JOINT						
BRIDGE NO.	BENT NO.	SKEW ANGLE	TOTAL MOVEMENT (ALONG C RDWY)	PERPENDICULAR JOINT OPENING AT 45° F	PERPENDICULAR JOINT OPENING AT 60° F	PERPENDICULAR JOINT OPENING AT 90° F
45	2	94°00'-00"	1 3/4"	2 3/8"	1 7/8"	1 3/8"
114	2	77°40'-21"	1 7/8"	2 3/8"	1 5/16"	1 1/2"
116	2	77°40'-21"	1 7/8"	2 3/8"	1 5/16"	1 1/2"
658	1	119°22'-18"	2 7/8"	2 7/16"	1 5/16"	1 1/2"
658	3	142°08'-46"	2 1/4"	2"	1 11/16"	1 5/16"

PROJECT NO. I-5768
MECKLENBURG COUNTY
 BRIDGE NO.: 45, 46, 70, 75,
114, 116 & 658

SHEET 2 OF 2



8/12/2016

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUPERSTRUCTURE JOINT DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-21
1			3			TOTAL SHEETS 21
2			4			

DRAWN BY : D.V. JOYNER DATE : 7/2016
 CHECKED BY : W. SMITH DATE : 8/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED