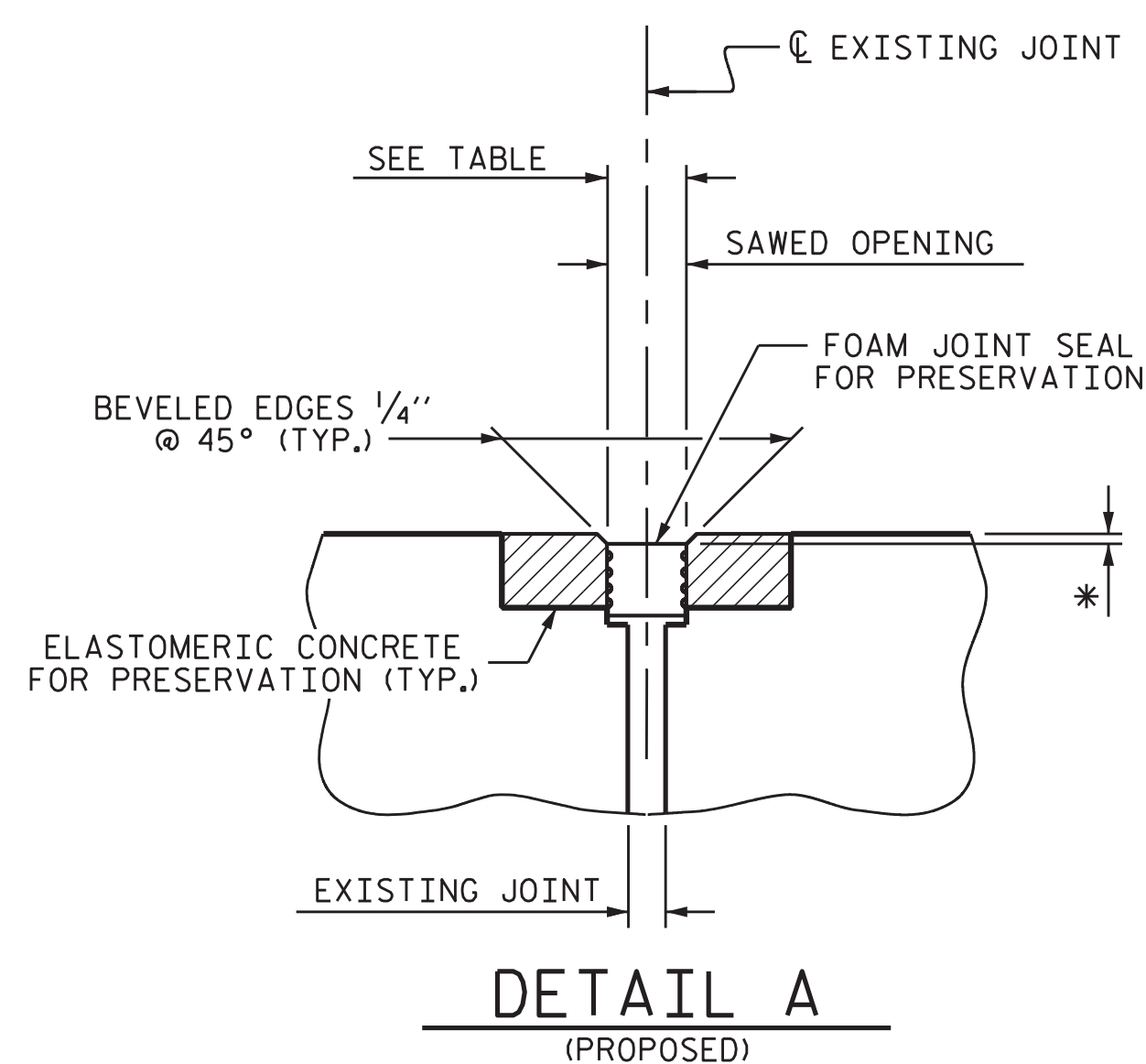
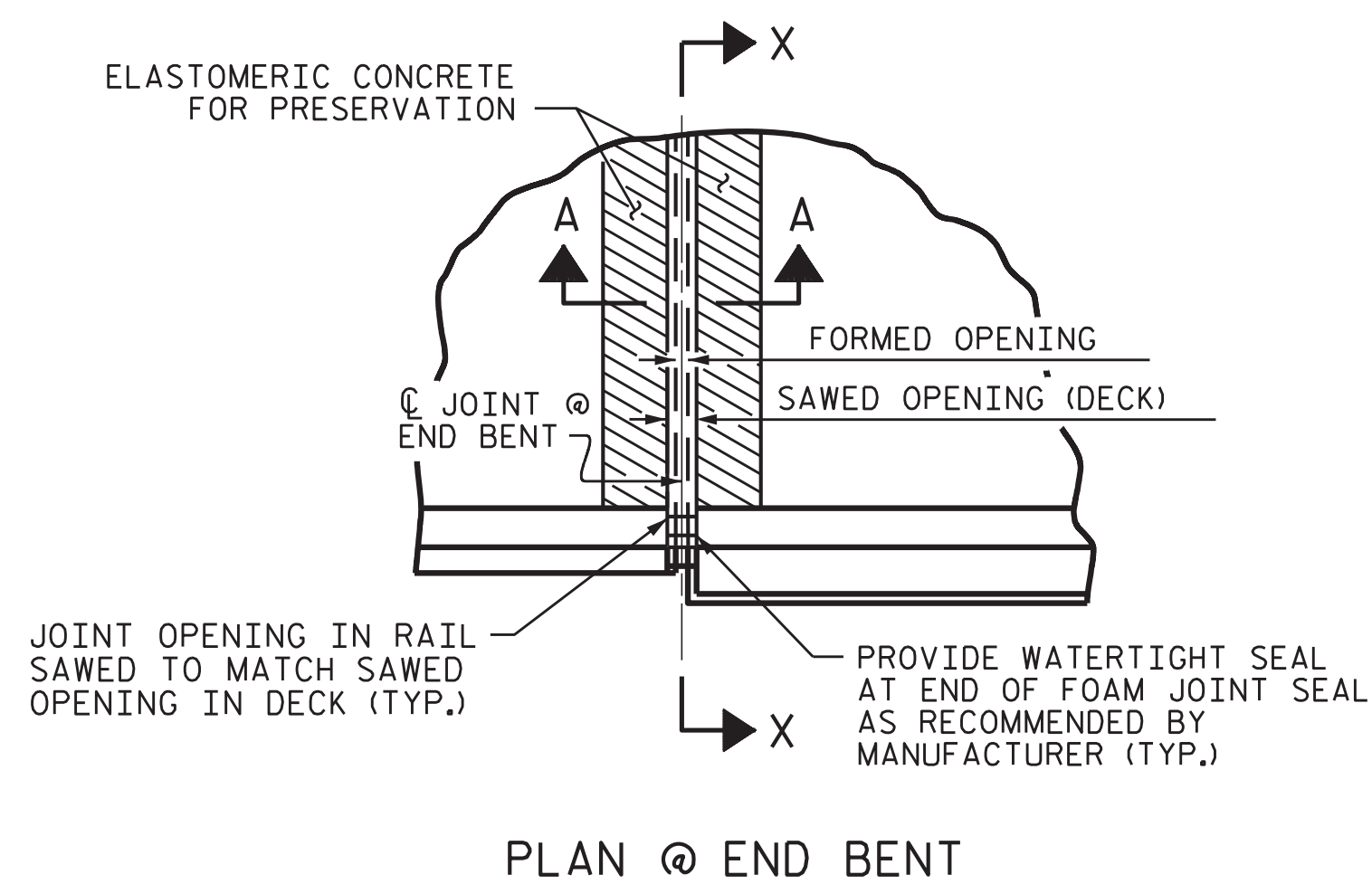
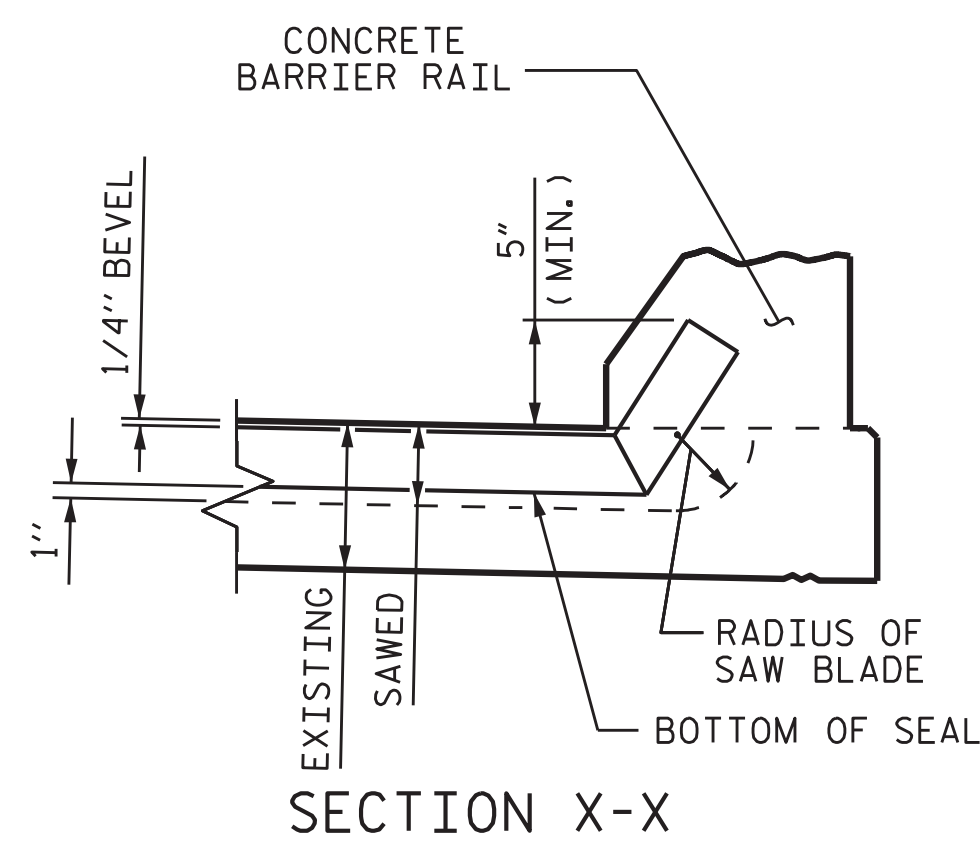


SAWED JOINT OPENING TABLE					
BRIDGE NO.	LOCATION	SKEW ANGLE	PERPENDICULAR JOINT OPENING AT 30°	PERPENDICULAR JOINT OPENING AT 60°	PERPENDICULAR JOINT OPENING AT 90°
770110	END BENT 1	90°-00'-00"	1 7/16"	1 9/16"	1 5/8"
770110	END BENT 2	90°-00'-00"	1 7/16"	1 9/16"	1 5/8"
770465	END BENT 1	90°-00'-00"	1 7/16"	1 9/16"	1 5/8"
770465	END BENT 2	90°-00'-00"	1 7/16"	1 9/16"	1 5/8"
770118	END BENT 1	90°-00'-00"	1 1/4"	1 9/16"	1 11/16"
770118	END BENT 2	90°-00'-00"	1 1/4"	1 9/16"	1 11/16"
770466	END BENT 1	90°-00'-00"	1 1/4"	1 9/16"	1 11/16"
770466	END BENT 2	90°-00'-00"	1 1/4"	1 9/16"	1 11/16"



* FOAM JOINT SEALS FOR PRESERVATION SHALL BE RECESSED AS PER MANUFACTURER'S RECOMMENDATIONS.



JOINT SEAL DETAILS @ END BENTS

FOAM JOINT SEAL TO BE CUT, HEAT WELDED AND TURNED UP PARALLEL TO SLOPED FACE OF THE BARRIER RAIL.

NOTES

FINAL JOINT SEALS SHALL NOT BE INSTALLED UNTIL THE SEALANT WORK IS COMPLETE.

THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING JOINT OPENING PRIOR TO ORDERING JOINT SEAL MATERIAL. IF THE ACTUAL JOINT OPENING VARIES FROM THE OPENING ALLOWED BY THE JOINT SEAL MATERIAL, NOTIFY THE ENGINEER. REVISION TO THE JOINT SEAL SIZE AND TYPE MIGHT BE NECESSARY.

THE CONTRACTOR WILL NOT BE PERMITTED TO FORM THE JOINTS FOR THE JOINT SEALS IN LIEU OF SAWING THE JOINTS.

THE CONTRACTOR SHALL SAWCUT TO A NOMINAL DEPTH OF 1/2" BUT REINFORCING STEEL SHALL NOT BE DAMAGED. CONTRACTOR SHALL REMOVE SURFACE CONCRETE TO VERIFY THAT SAWCUT WILL NOT DAMAGE EXISTING REINFORCING STEEL.

FINAL SURFACE OF THE JOINT DEMOLITION AREA PRIOR TO PLACEMENT OF CONCRETE REPAIR MATERIAL OR ELASTOMERIC CONCRETE SHOULD BE REASONABLY FLAT AND LEVEL. ENGINEER SHALL DETERMINE THE ACCEPTABILITY OF THE SURFACE PRIOR TO PLACEMENT OF REPAIR CONCRETE OR ELASTOMERIC CONCRETE.

QUANTITIES SHOWN IN THE ELASTOMERIC CONCRETE FOR PRESERVATION TABLE ARE BASED ON THE MINIMUM JOINT DEMOLITION SHOWN.

THE MANUFACTURER IS TO PROVIDE THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM SEAL FOR THE SIZE OF THE OPENING THE ON PLANS AND ACCOMMODATE THE MINIMUM EXPANSION SHOWN ON THE PLANS.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOAM JOINT SEALS FOR PRESERVATION SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATION.

THE INSTALLED FOAM JOINT SEALS FOR PRESERVATION SHALL BE WATER TIGHT.

FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR LOCATION OF SECTIONS A-A, SEE PLAN OF SPAN SHEETS.

QUANTITIES					
BRIDGE NO.	LOCATION	FOAM JOINT SEALS FOR PRESERVATION		ELASTOMERIC CONCRETE FOR PRESERVATION	
		ESTIMATED (LIN. FT.)	ACTUAL (LIN. FT.)	ESTIMATED (CU. FT.)	ACTUAL (CU. FT.)
770110	END BENT 1	39.0		9.5	
770110	END BENT 2	39.0		9.5	
770118	END BENT 1	39.0		9.5	
770118	END BENT 2	39.0		9.5	
770465	END BENT 1	39.0		9.5	
770465	END BENT 2	39.0		9.5	
770466	END BENT 1	39.0		9.5	
770466	END BENT 2	39.0		9.5	

PROJECT NO. HI-0016
ROBESON COUNTY

BRIDGE NO. 770110, 770465
770118, 770466

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

JOINT REPAIR DETAILS



VOLKERT

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 NC License No. F-0765

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

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

DRAWN BY : D. A. GLADDEN DATE : 11/22
 CHECKED BY : E. E. MURRAY DATE : 12/22