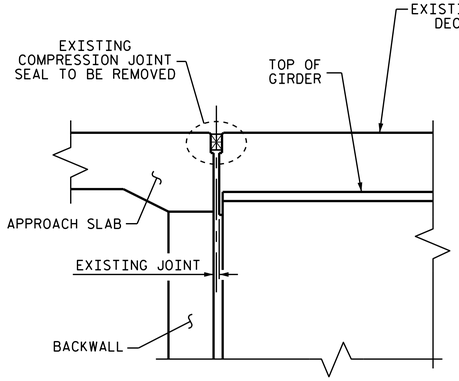
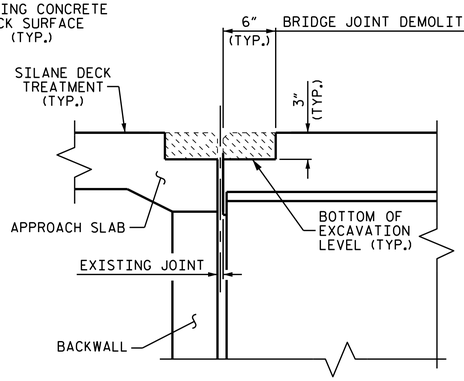
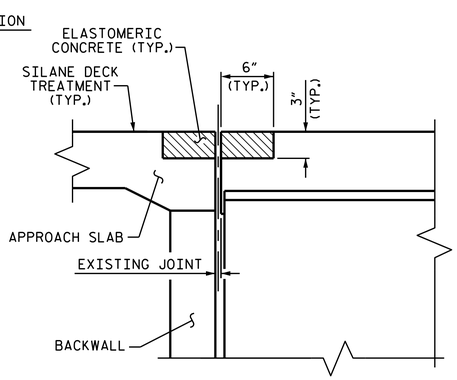


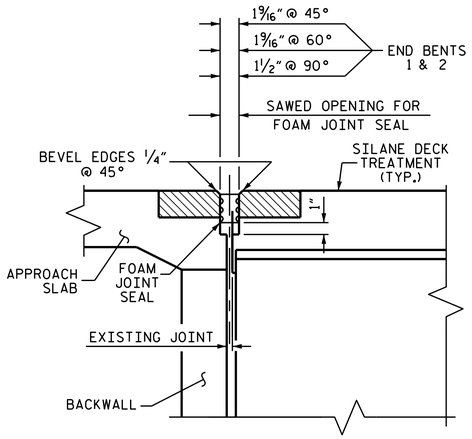
EXISTING JOINT



MINIMUM EXISTING JOINT DEMOLITION



PROPOSED PRE-SAWED JOINT



PROPOSED FOAM JOINT SEAL

NOTES

FOAM JOINTS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

THE INSTALLED FOAM JOINTS SHALL BE WATER TIGHT.

THE FOAM JOINTS SHALL MEET THE MANUFACTURER'S RECOMMENDATION FOR THE SIZE OF OPENING ON THE PLANS, AND ACCOMMODATE THE MINIMUM EXPANSION SHOWN ON THE PLANS.

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

THE MANUFACTURER IS TO PROVIDE THE NOMINAL UNCOMPRESSED SEAL WIDTH OF THE FOAM JOINT SEAL BASED ON JOINT OPENINGS AT THE END BENTS AND BENTS.

FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

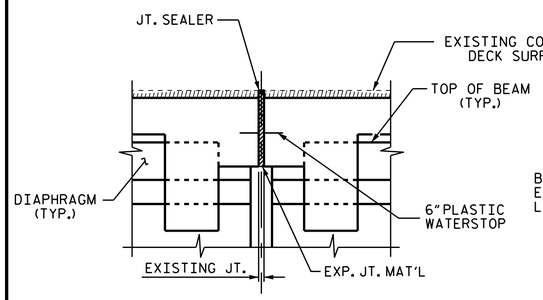
CONTRACTOR SHALL FIELD VERIFY THE EXISTING JOINT OPENING PRIOR TO ORDERING JOINT SEAL MATERIAL. IF ACTUAL JOINT OPENING VARIES FROM OPENING INDICATED IN DETAIL BY MORE THAN ¼", NOTIFY ENGINEER REVISION TO THE JOINT SEAL SIZE MIGHT BE NECESSARY.

DEMOLISH BRIDGE JOINT AREA TO THE NECESSARY DEPTH, SUCH THAT ELASTOMERIC CONCRETE SHALL BE FOUNDED ON SOUND CONCRETE OR REPAIR CONCRETE SUBSTRATE. IF SUCH EXCAVATION EXTENDS MORE THAN 2" BELOW THE BOTTOM OF THE PLANNED ELASTOMERIC CONCRETE HEADER, AS SHOWN, APPROVED CONCRETE REPAIR MATERIAL SHALL BE PLACED IN THE EXCAVATED AREA TO THE ELEVATION AT THE BOTTOM OF THE ELASTOMERIC CONCRETE.

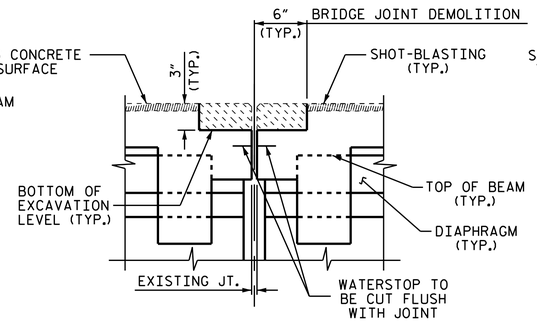
FINAL SURFACE OF THE JOINT DEMOLITION AREA PRIOR TO PLACEMENT OF ELASTOMERIC CONCRETE AND/ OR REPAIR CONCRETE SHALL BE REASONABLY FLAT AND LEVEL. ENGINEER SHALL DETERMINE THE ACCEPTABILITY OF THE SURFACE PRIOR TO PLACEMENT OF ELASTOMERIC CONCRETE OR CONCRETE REPAIR MATERIAL.

JOINT INSTALLATION SEQUENCE AT END BENTS

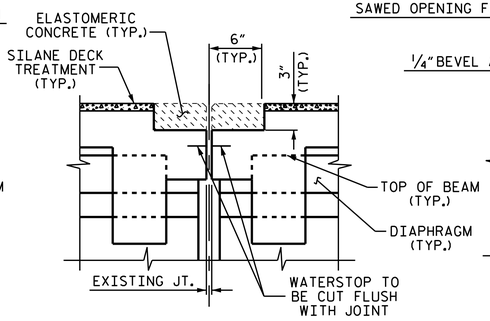
SECTION A-A



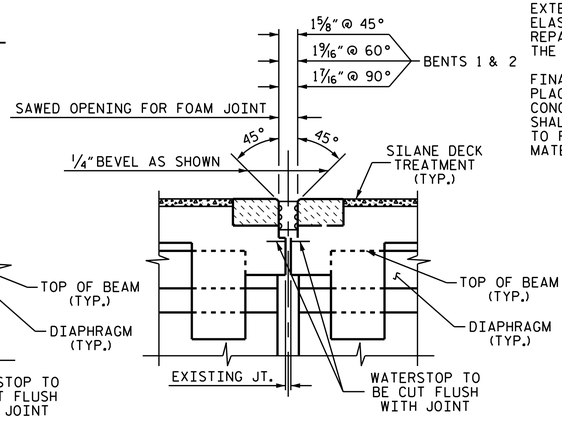
EXISTING JOINT



MINIMUM EXISTING JOINT DEMOLITION



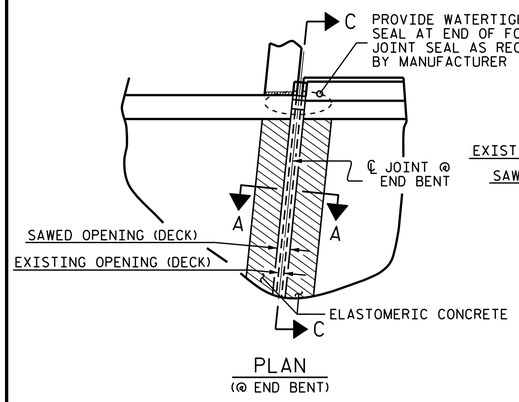
PROPOSED JOINT PRE-SAWED



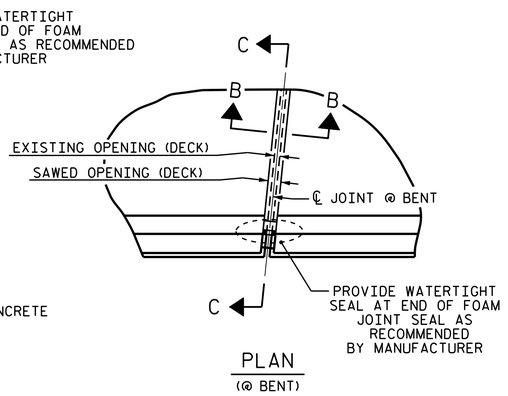
PROPOSED FOAM JOINT SEAL

JOINT INSTALLATION SEQUENCE AT BENTS

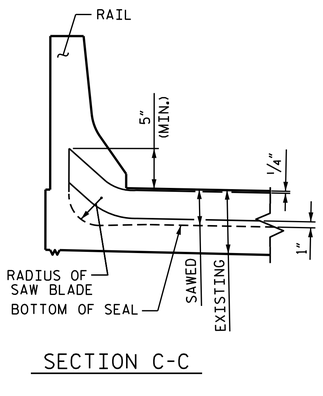
SECTION B-B



PLAN
(@ END BENT)



PLAN
(@ BENT)



SECTION C-C

JOINT REPAIR QUANTITY TABLE

	BRIDGE JOINT DEMOLITION		ELASTOMERIC CONCRETE FOR PRESERVATION		FOAM JOINT SEALS FOR PRESERVATION	
	ESTIMATED	ACTUAL	ESTIMATED	ACTUAL	ESTIMATED	ACTUAL
END BENT 1	71.1 SF		17.8 CF		71.1 LF	
BENT 1	71.1 SF		17.8 CF		71.1 LF	
BENT 2	71.1 SF		17.8 CF		71.1 LF	
END BENT 2	71.1 SF		17.8 CF		71.1 LF	
* TOTAL	284.4 SF		71.2 CF		284.4 LF	

* BASED ON THE MINIMUM BLOCKOUT SHOWN.

8/4/2020
NORTH CAROLINA PROFESSIONAL SEAL 031583 ENGINEER KRISHNA PRASAD SEDAI
Docusigned by: Krishna P. Sedai
EA6F7941508F4B7...

PROJECT NO. I-5795
FORSYTH COUNTY
BRIDGE NO. 330449

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

JOINT DETAILS

JOINT SEAL DETAILS

DRAWN BY : A. SORSENGINH DATE : 4/2018
CHECKED BY : M. G. SHAIKH DATE : 6/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S19-04
1			3			TOTAL SHEETS
2			4			6

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