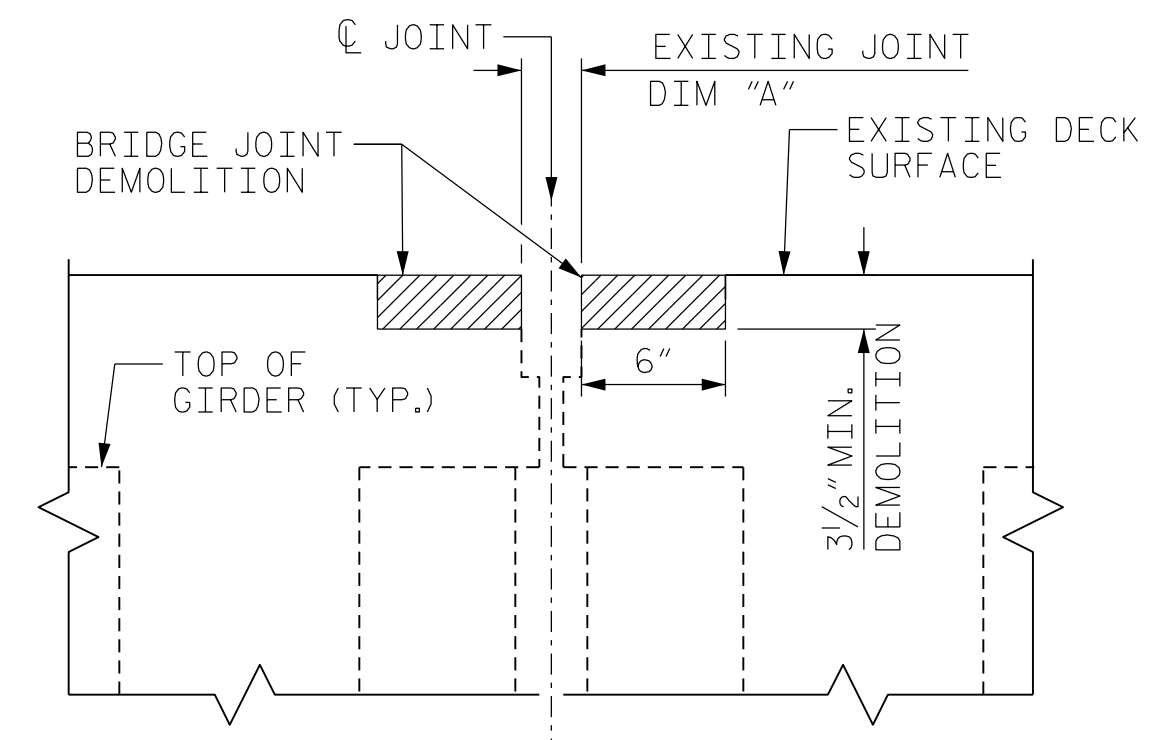
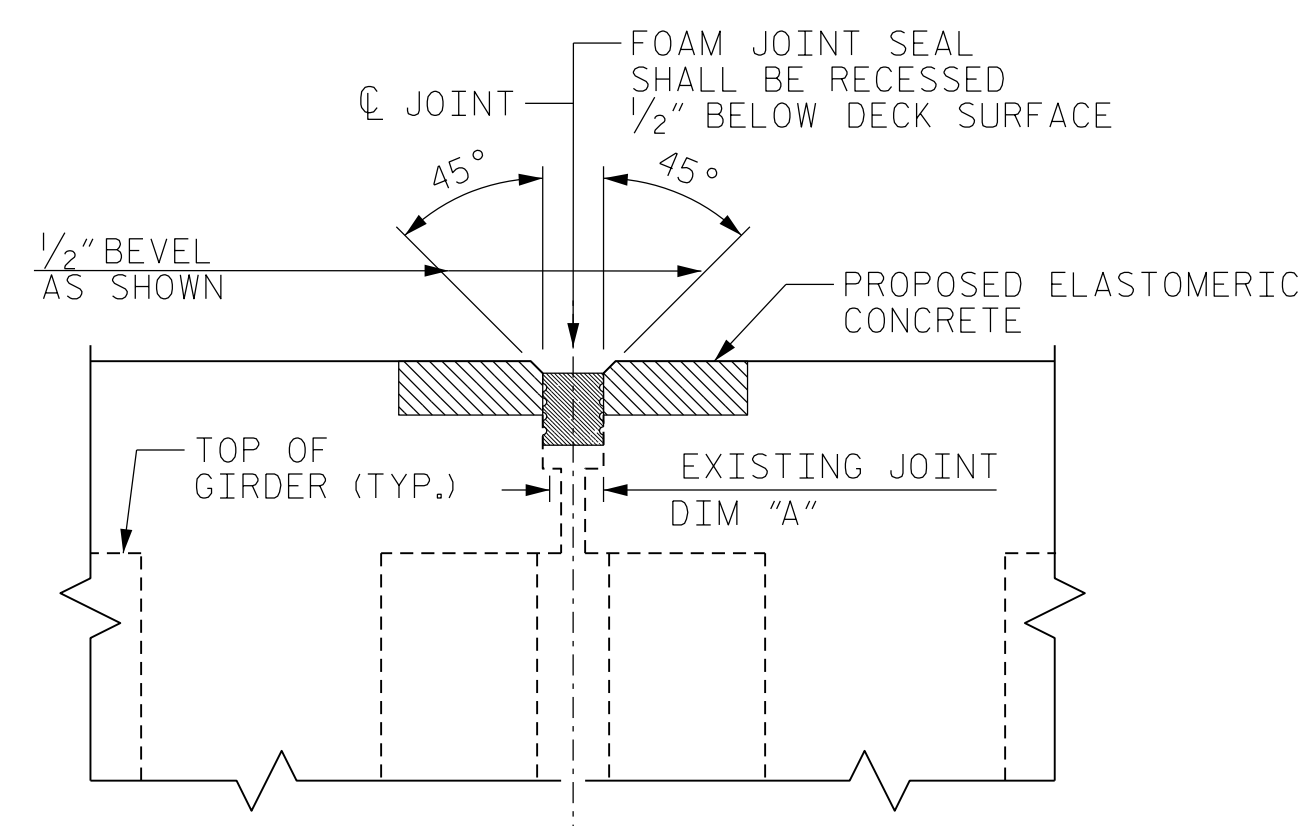


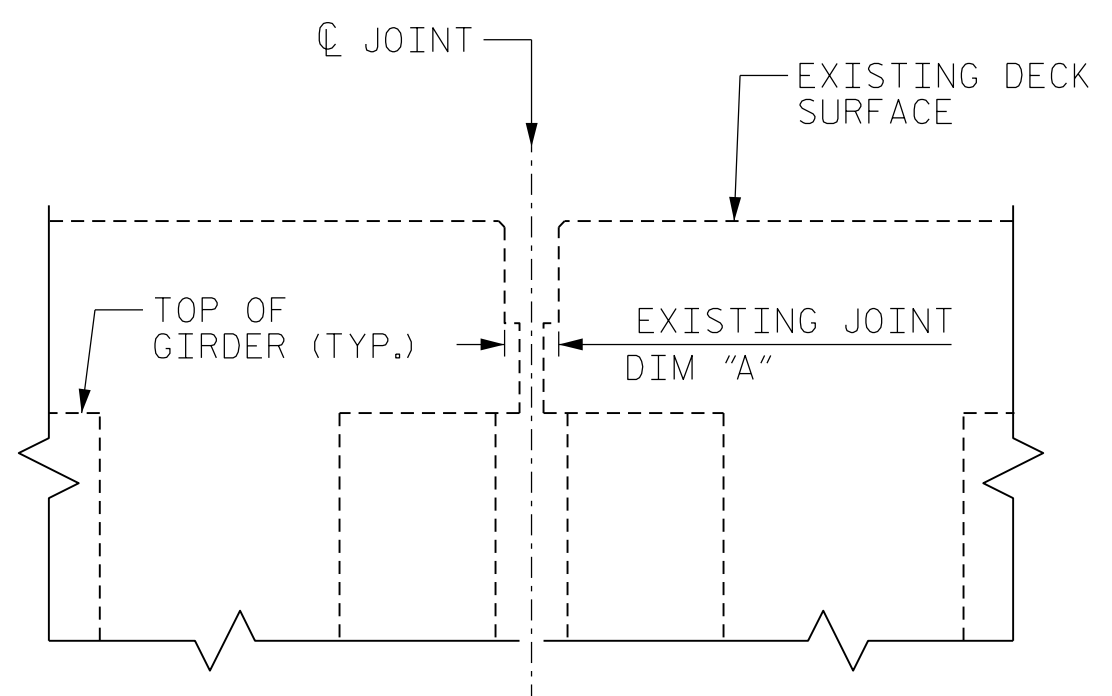
SECTION D-D
(EXISTING JOINT)



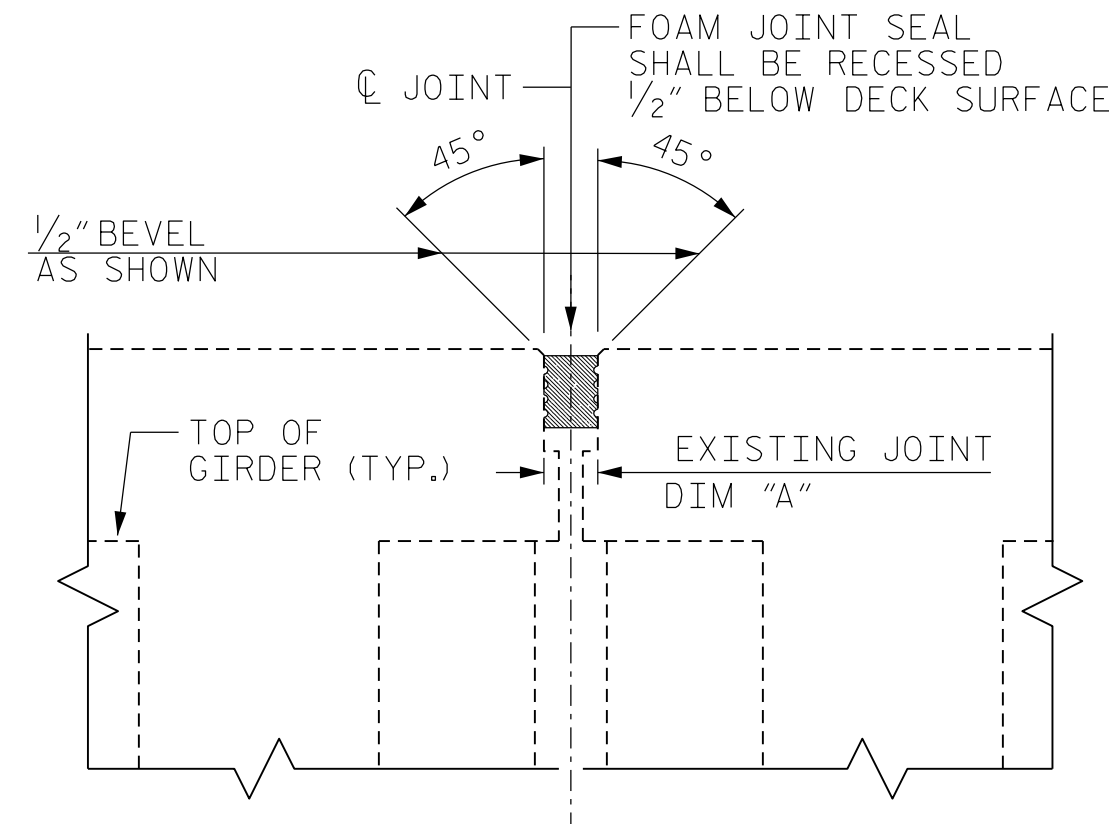
SECTION D-D
(MIN. EXISTING JOINT DEMOLITION)



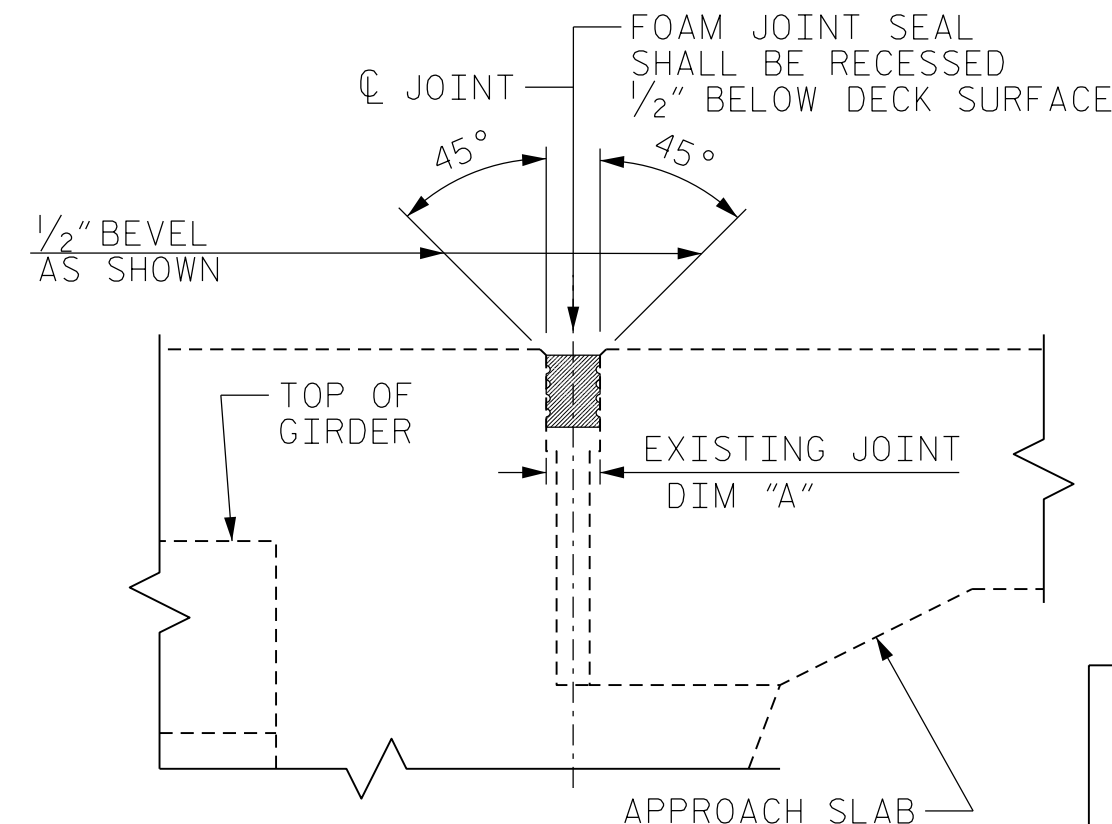
SECTION D-D
(PROPOSED JOINT SEAL)



SECTION E-E
(EXISTING JOINT)



SECTION E-E
(PROPOSED JOINT SEAL)



SECTION E-E
(PROPOSED JOINT SEAL)
(AT END BENT 2)

TABLE 1	
Table Date 10-2018	
BENT/ JOINTS	DIM "A" @ 65°F
END BENT 1	2.00"
1	1.75"
2	1.50"
3	2.00"
4	1.75"
5	1.50"
6	1.50"
7	2.00"
8	1.75"
9	1.50"
10	1.50"
11	3.00"
12	3.00"
13	2.00"
14	2.00"
15	1.50"
16	1.50"
17	1.50"
18	1.50"
19	1.50"
20	2.00"
END BENT 2	2.00"

NOTES:

THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING JOINT OPENING PRIOR TO ORDERING JOINT SEAL MATERIAL. IF THE ACTUAL OPENING VARIES FROM THE OPENING INDICATED IN THE DETAIL BY MORE THAN 1/4", NOTIFY THE ENGINEER. REVISION OF THE JOINT SEAL SIZE MIGHT BE NECESSARY.

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

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

THE CONTRACTOR SHALL TAKE CARE DURING JOINT REHAB OPERATIONS NOT TO DROP ANY MATERIAL THAT FALLS BELOW THE BRIDGE, WITHOUT PROTECTIVE DEVICES BELOW TO CATCH THE MATERIAL. ANY MATERIAL THAT FALLS BELOW THE BRIDGE SHALL BE CONTAINED, REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO EXTRA COST TO THE DEPARTMENT. IF THE ENGINEER DETERMINES THAT THE PROTECTIVE DEVICES ARE NOT ADEQUATE OR NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

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

THE INSTALLED FOAM JOINT SHALL BE WATER TIGHT.

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

FOR EXCAVATION BELOW THE BOTTOM OF THE PLANNED JOINT DECK DEMOLITION, CONCRETE FOR DECK REPAIRS SHALL BE PLACED IN THE EXCAVATED AREA TO THE ELEVATION AT BOTTOM OF THE PROPOSED ELASTOMERIC CONCRETE FOR PRESERVATION HEADERS SHOWN.

FOR BRIDGE JOINT DEMOLITION, SEE SPECIAL PROVISIONS.

FOR FOAM JOINT SEALS FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR ELASTOMERIC CONCRETE FOR PRESERVATION, SEE SPECIAL PROVISIONS.

FOR CONCRETE FOR DECK REPAIR, SEE SPECIAL REVISION.

FOR DIM "A", SEE TABLE 1 ON SHEET S-11

FOR JOINT QUANTITIES, SEE SHEET S-11.

FOR JOINT AT END BENT 2, REMOVE EXISTING JOINT MATERIAL AND INSTALL FOAM JOINT SEALS (SIMILAR TO SECTION E-E, PROPOSED JOINT SEAL).

ELASTOMERIC CONCRETE FOR PRESERVATION

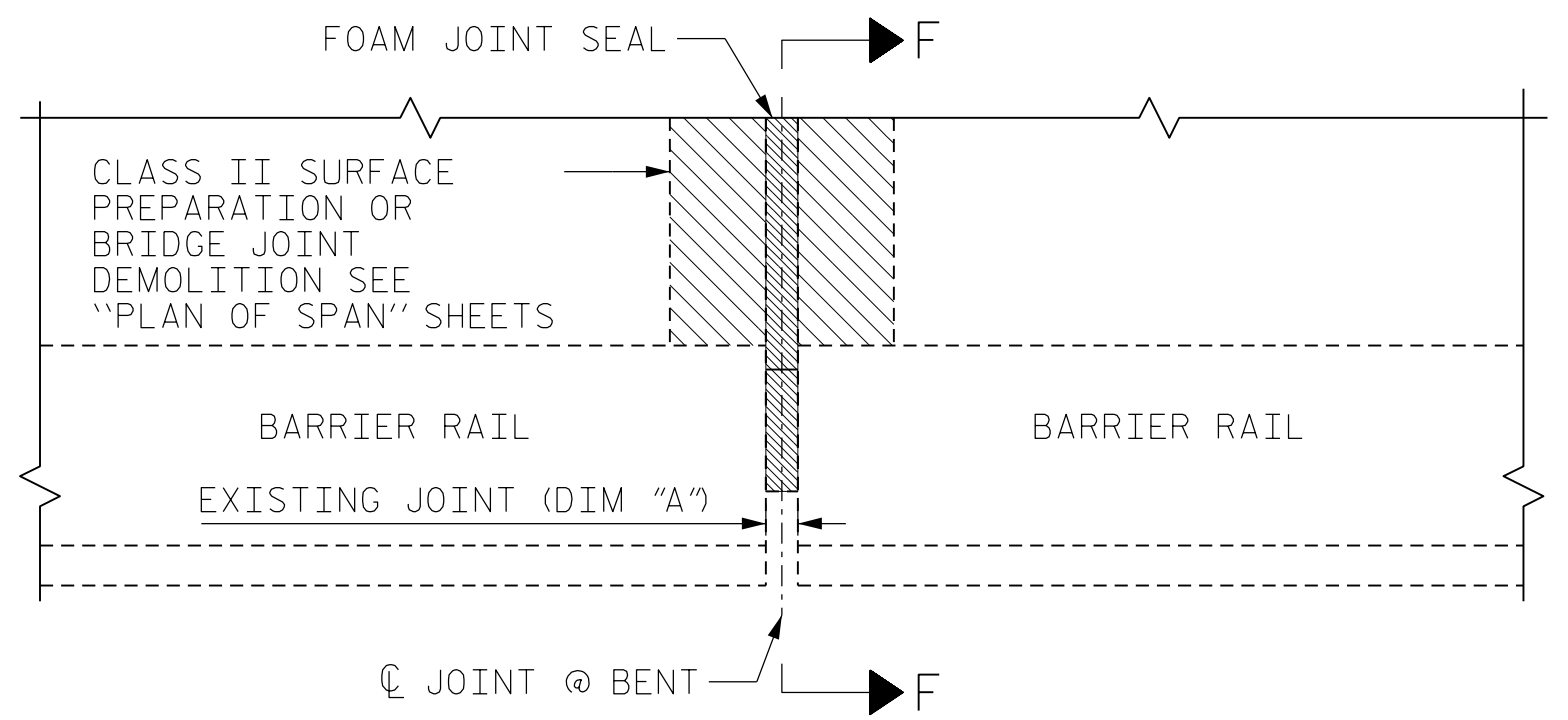
LOCATION	ESTIMATED (CU.FT.)	ACTUAL (CU.FT.)
END BENT 1	4.6	
BENTS 1 - 5	10.8	
BENT 6	6.1	
BENT 7	8.7	
BENT 16	4.4	

BRIDGE JOINT DEMOLITION

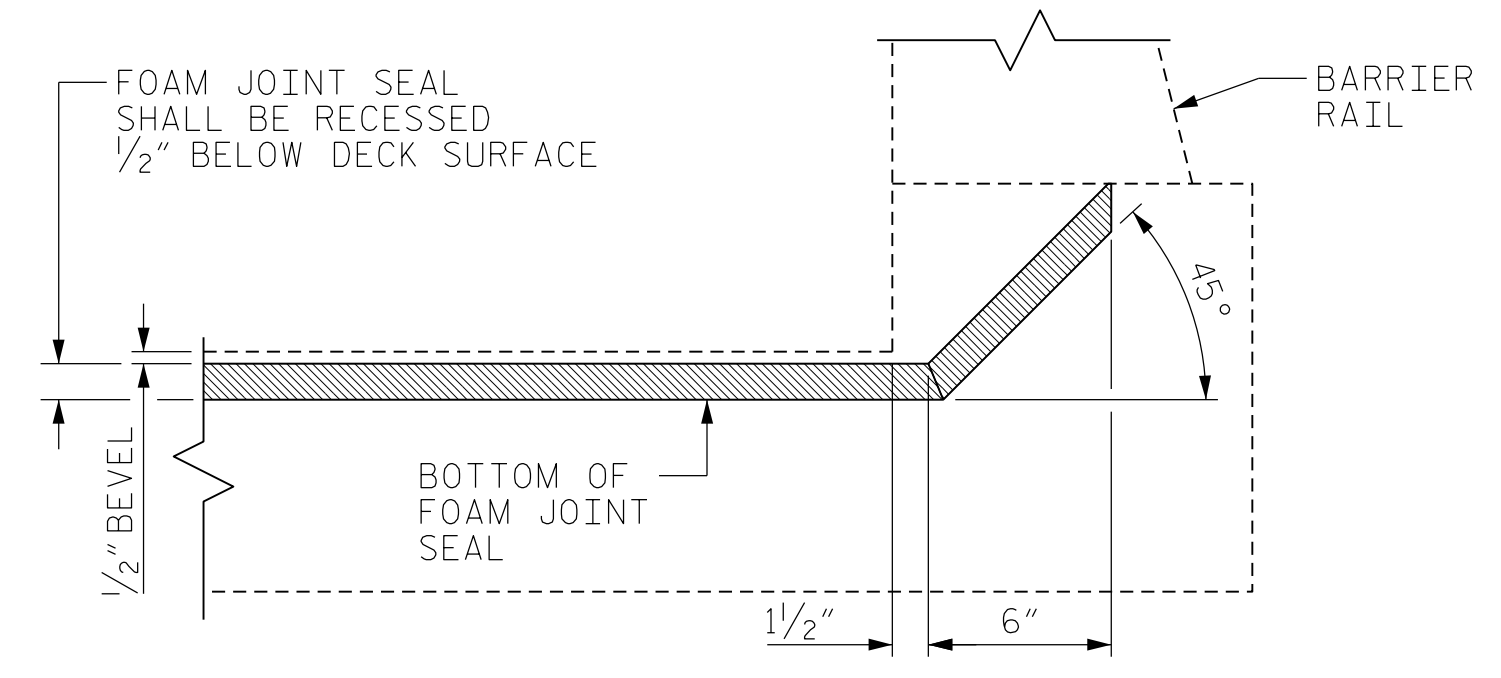
LOCATION	ESTIMATED (SQ.FT.)	ACTUAL (SQ.FT.)
END BENT 1	16.2	
BENTS 1 - 5	32.5	
BENT 6	16.2	
BENT 7	32.5	
BENT 16	16.2	

JOINT REPAIR QUANTITY

	ESTIMATED (LIN.FT.)	ACTUAL (LIN.FT.)
FOAM JOINT SEALS FOR PRESERVATION	720 LF	

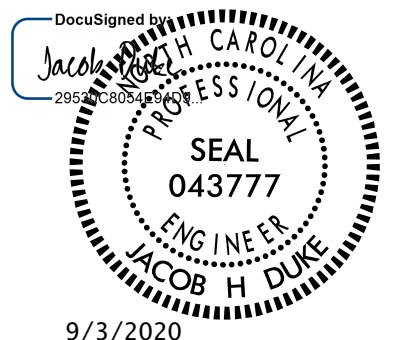


PLAN AT BARRIER
(PROPOSED JOINT SEAL)



SECTION F-F
(PROPOSED JOINT SEAL)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PROJECT NO. 15BPR.24
BRUNSWICK COUNTY
 BRIDGE NO. 090013

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

JOINT DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS
2			4			45

DRAWN BY : OMAR M. KHALAFALLA DATE : 10/2018
 CHECKED BY : DIEGO A. AGUIRRE DATE : 10/2018
 DESIGN ENGINEER OF RECORD : JACOB H. DUKE DATE : 10/2018