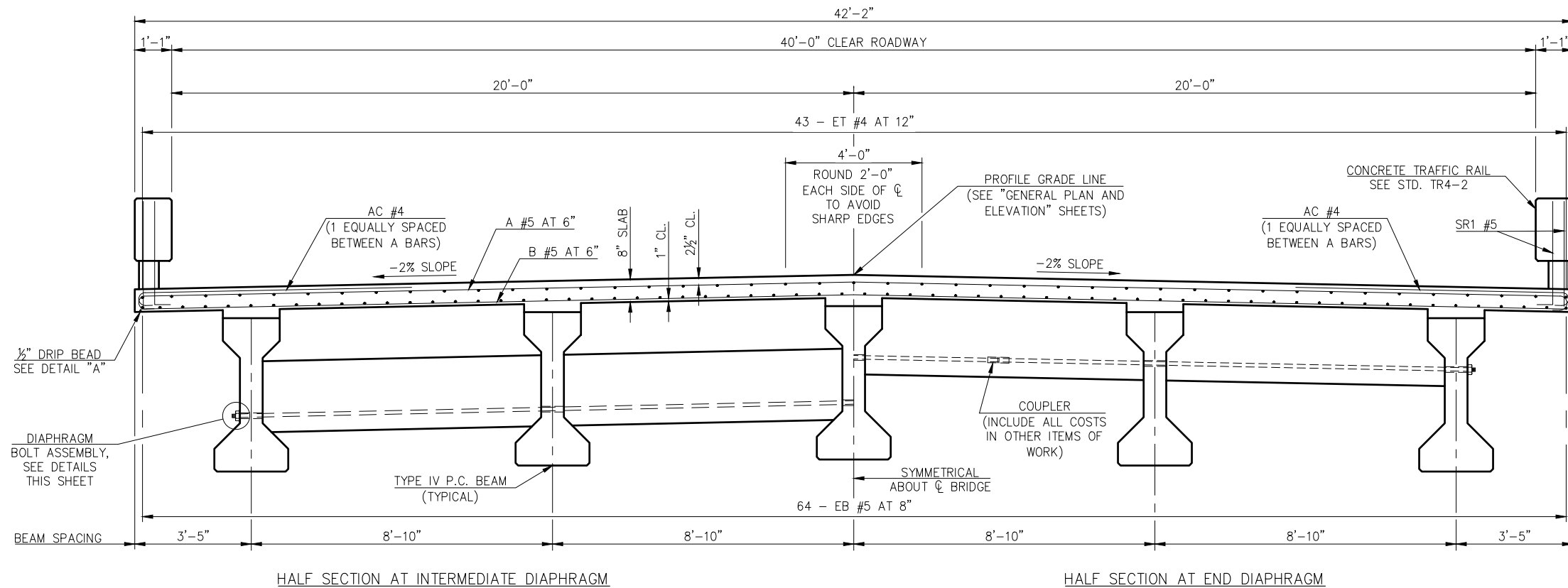
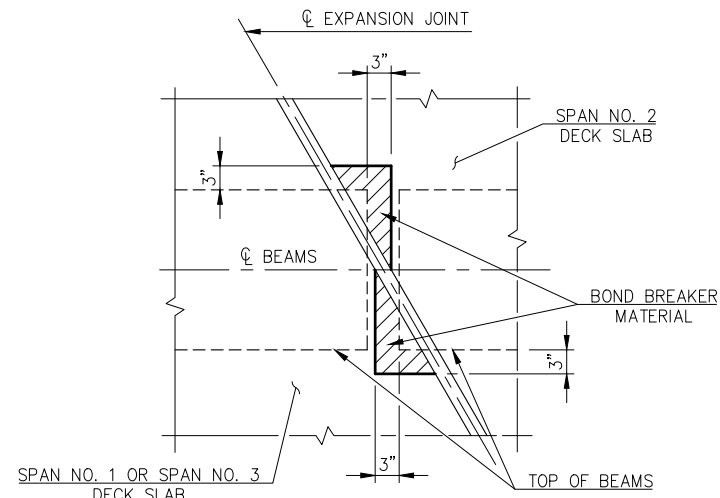


REVISIONS		
REV. NO.	DESCRIPTION	DATE



TYPICAL CROSS SECTION

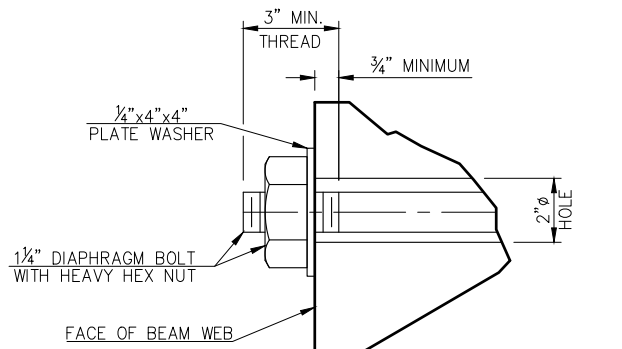
SUPERSTRUCTURE QUANTITIES		
ITEM	UNIT	TOTAL
PRESTRESSED CONCRETE BEAMS (TYPE IV)	L.F.	1,345.00
SAW-CUT GROOVING	S.Y.	1,218.10
SEALED EXPANSION JOINT	L.F.	48.90
CONCRETE RAIL (TR4)	L.F.	548.20
STRUCTURAL STEEL	LB.	1,575.00
STAINLESS STEEL FIXED BEARING ASSEMBLY	EA.	10.00
STAINLESS STEEL EXPANSION BEARING ASSEMBLY	EA.	20.00
CLASS AA CONCRETE	C.Y.	331.80
EPOXY COATED REINFORCING STEEL	LB.	89,650.00
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	915.00
SEALER CRACK PREPARATION	L.F.	46.50
SEALER RESIN	GAL.	0.60



DETAIL OF BOND BREAK AT BEAM CORNER

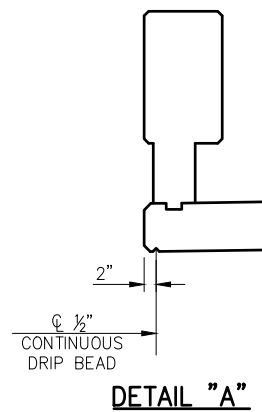
NOTE: WHERE THE TOP CORNERS OF BEAMS PROJECT UNDER THE SLAB OF THE ADJACENT SPAN, A MINIMUM OF 1" CLEARANCE BETWEEN THE TOP OF THE BEAM AND THE BOTTOM OF SLAB SHALL BE PROVIDED IN THE HATCHED AREAS SHOWN ABOVE. 1" THICK EXPANSION MATERIAL SHALL BE USED AS A BOND BREAKER.

STAY-IN-PLACE STEEL DECK FORMS SHALL NOT BE USED FOR THIS PROJECT.

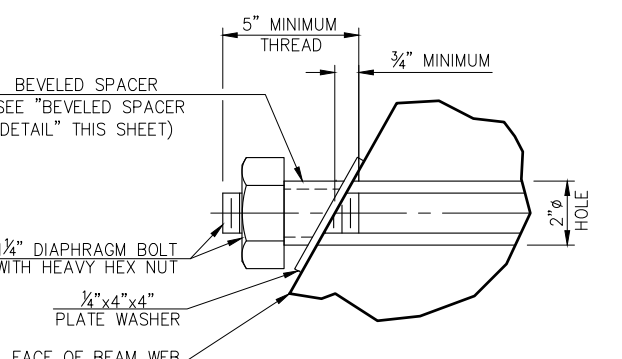


INTERMEDIATE DIAPHRAGM BOLT ASSEMBLY DETAIL

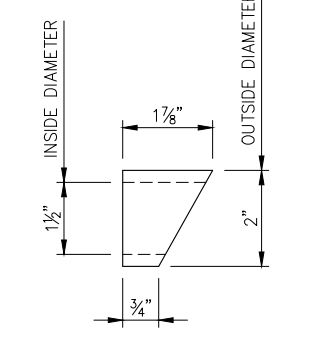
DIAPHRAGM BOLT NOTES:
 PROVIDE STRUCTURAL STEEL FOR DIAPHRAGM BOLTS AND PLATE WASHERS IN ACCORDANCE WITH AASHTO M270 (ASTM A709), GRADE 50W (WEATHERING STEEL, CHARPY V-NOTCH TESTING NOT REQUIRED). THE CONTRACTOR MAY SUBSTITUTE A #10 REINFORCING BAR IN ACCORDANCE WITH AASHTO M31, GRADE 60, AND THREADED AT THE ENDS AS SHOWN FOR THE DIAPHRAGM BOLT AT NO ADDITIONAL COST TO THE DEPARTMENT. PROVIDE HEX NUTS IN ACCORDANCE WITH AASHTO M291 (ASTM A563).
 PAINT EXPOSED DIAPHRAGM BOLT, PLATE WASHER, BEVELED SPACER, AND HEX NUT WITH TWO (2) COATS OF ZINC-RICH PAINT (6 MIL MINIMUM THICKNESS) AFTER ASSEMBLY. INCLUDE ALL COST OF DIAPHRAGM BOLT, PLATE WASHER, BEVELED SPACER, AND HEX NUT TO BE INCLUDED IN CONTRACT UNIT PRICE FOR "STRUCTURAL STEEL".



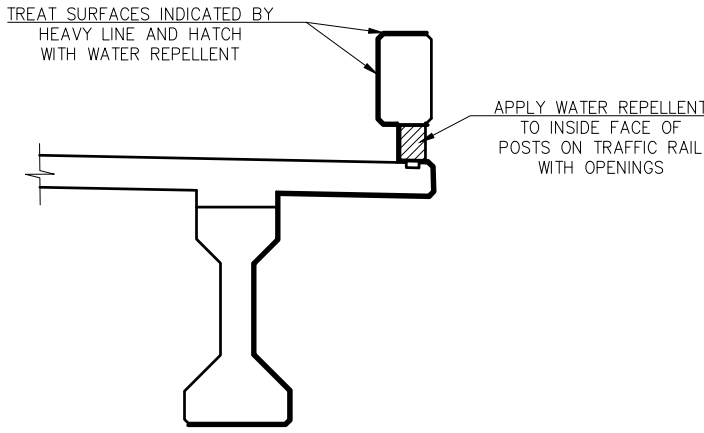
DETAIL "A"



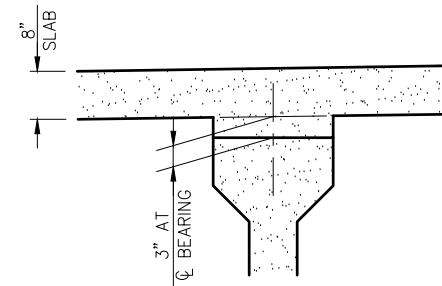
END DIAPHRAGM BOLT ASSEMBLY DETAIL



BEVELED SPACER DETAIL
 (1 1/2" Ø EXTRA STRONG PIPE SLEEVE)



WATER REPELLENT TREATMENT DETAILS



BEAM HAUNCH DETAIL

NOTE: PLAN QUANTITIES FOR CLASS AA CONCRETE INCLUDE BEAM HAUNCHES. THE HAUNCH HEIGHT SHOWN IS THE THEORETICAL HAUNCH HEIGHT AT THE CENTERLINE BEARING ONLY, MEASURED FROM THE BOTTOM OF THE DECK SLAB TO THE TOP OF THE BEAM, AND VARIES ACROSS THE SPAN. DETERMINE THE ACTUAL HAUNCH HEIGHT (ACCOUNTING FOR BEAM CAMBER, DEAD LOAD DEFLECTION AND ROADWAY GRADE) AFTER ERECTION OF THE BEAMS AND SUBMIT TO THE ENGINEER FOR APPROVAL. THE ENGINEER WILL NOT MEASURE DIFFERENCES BETWEEN THE THEORETICAL AND THE ACTUAL HAUNCH HEIGHTS FOR PAYMENT.

DESIGN	MBS	5/14	SH-28 OVER SALT CREEK BRIDGE "A"	NOWATA COUNTY
DETAIL	SLP	5/14		
CHECK	MBS	3/15		
GUY ENGINEERING SERVICES, INC.			STATE JOB PIECE NO. 28857(04)	SHEET NO. B018

DETAILS OF SUPERSTRUCTURE (SHEET NO. 1 OF 7)

Monday, July 31, 2017 4:16:53 PM V:\12-716E SH-28 Salt Creek JP 28857\STRUCTURAL\DWG\Salt Creek - SUPERSTRUCTURE.dwg