 	 		1	SHEET N	 UМ. Т	1	1		1		PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET	
							16	18	19	23	01/NHS/14		EXT	TOTAL			NO.	
						(\sim		Y					STRUCTURE OVER 20 FOOT SPAN (FRA-104-1248)	40	
						+	841				841	202	11401	841	LB	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SECONDARY MEMBERS)	12	-
						+	841				841	513	10201	841	₹ LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	12	
												ىد	ىد	لللا				
							831				831	514	20001	831	SF	FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (THREE COAT)	12	_
							LS				LS	SPECIAL	53000200	LS		STRUCTURES, TEMPORARY UTILITY SUPPORT	13	1
							LS				LS	849	10000	LS		DAMAGE ASSESSMENT		
							LS				LS	849	10500	LS	HOUR	SURFACE PREPARATION		_
							LS				LS	849 849	10600 10700	LS	HOUR	REPAIRING DAMAGED MEMBERS BY GRINDING STRAIGHTENING DAMAGED MEMBERS		-
												040	10700			OTTO NOTTENING BANANGEB MEMBERO		ى
												\sim				STRUCTURE OVER 20 FOOT SPAN (UNI-33-0271)		∐ ⊔
							\	471			471	202	11401	471) LB	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (MAIN MEMBERS)	12	_ <u>t</u>
							 	182			182	202	11401	182) LB	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SECONDARY MEMBERS)	12	<u>ا</u> إ
							+	653			653	513	10201	653) LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	12	{
								تتر	181		ر قد	13 13	1 5000	كثنت	FT	STRUCTURAL STEEL, MISC.: COMPLETE PENETRATION WELDING	19	
									4		4	513	95030	4	EACH	STRUCTURAL STEEL, MISC.: COPE HOLES	19	
									LS		LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	12	
							1					0.0						┦ ;
									LS		LS	849	10000	LS		DAMAGE ASSESSMENT		ا ل
									LS		LS	849	10500	LS	HOUR	SURFACE PREPARATION		- <u>-</u>
									10.5 LS		10.5 LS	849 849	10600 10700	10.5 LS	HOUR	REPAIRING DAMAGED MEMBERS BY GRINDING STRAIGHTENING DAMAGED MEMBERS		⊣ 2
									LS		Lo	049	10700	LS		STRAIGHTEINING DAWAGED WEIWIDERS		ქ ს
																STRUCTURE OVER 20 FOOT SPAN (FRA-3-2383)		
											LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING]
											LS	503	21301	LS		UNCLASSIFIED EXCAVATION, AS PER PLAN	20	-
											216	SPECIAL	50771200	216	FT	PILE ENCASEMENT	20	1 2
										1,884	1,884	509	10000	1,884	LB	EPOXY COATED STEEL REINFORCEMENT	23	
											144	513	20000	144	EACH	WELDED STUD SHEAR CONNECTORS		
											162	SPECIAL	53000800	162	SY	STRUCTURE OVER 20 FOOT SPAN (FRA-70-1495) STRUCTURES, DEBRIS CONTAINMENT NETTING	24	_
											102	31 LOIAL	33000000	102	31	OTNOCTORES, DEDICO CONTAINIMENT NETTINO	24	1
							+	1		1								-
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				+														3 SHEET

REPAIR FY23

DOG BRIDGE

N- NUMBER OF CROSSFRAME BRACES COUNTED FROM THE PIER OR ABUTMENT IDENTIFIED IN TABLE

SECTION A-A

NEGATIVE E VALUES ARE BENT LEFT NEGATIVE F VALUES ARE BENT DOWN NEGATIVE G VALUES ARE BENT LEFT

			TABLE #	1 DAMAGED MA	IN MEMBERS	TO BE HEAT ST	RAIGHTENED				
DAMAGE AREA NO.	MEMBER LINE NO. A	ABUT.	В	С	D	E	F ,	F,	н	К	L
1	10	N. ABUT.	± 49' 6 ½"	± 81' 5 ½"	± 113' 4"	8"	3/4"	2"	127'	54'	108.5'
TABLE #2 DAMAGED SECONDARY MEMBER TO BE REPLACED											

CROSSFRAME BAY M ABUT. 1D 2D 38 N 4S N. ABUT L3X3X5/16 L3X3X5/16 L3X3X5/16 N. ABUT L3X3X5/16 L3X3X5/16 L3X3X5/16 N. ABUT L3X3X5/16 L3X3X5/16 L3X3X5/16 L3X3X5/16 N. ABUT L3X3X5/16 L3X3X5/16 L3X3X5/16 L3X3X5/16 N. ABUT L3X3X5/16 L3X3X5/16 L3X3X5/1

EXISTING STRUCTURE: ROUTE ON STRUCTURE: ALUM CREEK DR. ROUTE BELOW STRUCTURE: SR 104 TYPE: CONTINUOUS STEEL GIRDER BRIDGE WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE SPANS: 127'-0", 108'-6", c/c BEARINGS, MEASURED ALONG

ℚ SURVEY ROADWAY WIDTH: 69'-2" TO 81'-2" f/f PARAPETS INCLUDES

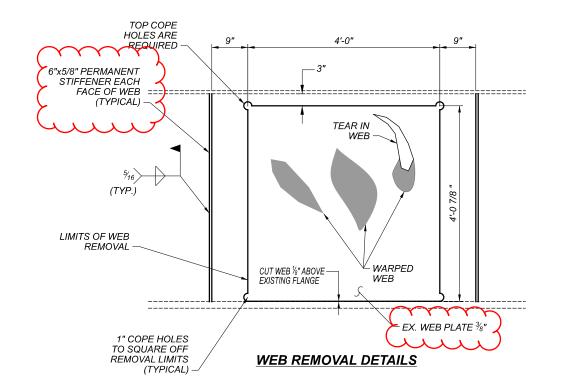
14' RAISED MEDIAN SKEW: 20°-01'-24" ALIGNMENT: 2°-00" CURVE SUPERELEVATION: 0.021 ft/ft

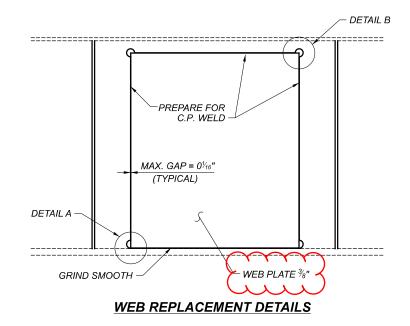
YEAR BUILT: 1986 NUMBER OF BEAMS: 10

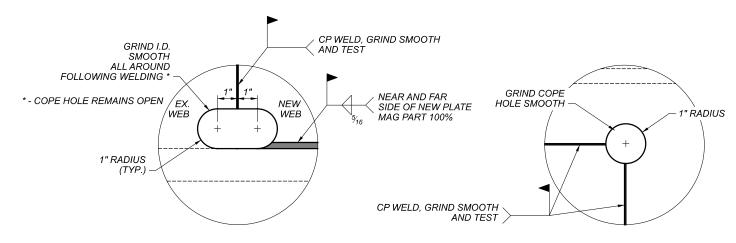
STEEL TYPE: A588 (WEATHERING STEEL) PAINT TYPE: UNPAINTED, WEATHERED STEEL 2508923



CAB BF REVIEWER JPH 11-2-22 ROJECT ID 112664 5 14







DETAIL "A" REPAIR DETAILS (TYP. BOTTOM)

DETAIL "B" REPAIR DETAILS (TYP. TOP)

NOTES:

- 1. REMOVE CROSS FRAMES IDENTIFIED FOR REMOVAL AND CAREFULLY GRIND EXISTING WELDS FLUSH. DO NOT DAMAGE THE EXISTING WEB OR FLANGES. PROVIDE SHIELDING AS NECESSARY.
- 2. MARK REMOVAL AREA AND PERFORM HEAT STRAIGHTENING TO ENSURE WEB IS PLUMB AT THE OUTER LIMITS MARKED FOR REMOVAL.
- 3. INSTALL PERMANENT WEB STIFFENERS.
- 4. DRILL ALL 4 CORNER 1" DIAMETER COPE HOLES.
- 5. SAW OR FLAME CUT TO REMOVE DAMAGED WEB PLATE USING A MECHANICAL GUIDE.
- 6. PREPARE EXISTING MEMBER, BEVEL EDGES FOR COMPLETE PENETRATION AND FILLET WELDS.
- 7. CUT AND BEVEL NEW PLATES FOR COMPLETE PENETRATION AND FILLET WELDS.
- 8. CHECK FIT OF NEW PLATES AND ENSURE NO GAPS EXCEED $\frac{1}{16}$ ".
- 9. PERFORM WELDING.
- 10. GRIND WELDS SMOOTH AND PROVIDE A SURFACE FINISH ACCORDING TO ANSI B46.1 OF 250 MIL.
- 11. $PERFORM\,NDT\,TESTS\,ACCORDING\,TO\,C\&MS\,513.25A.$
- 12. RE-INSTALL CROSS FRAMES MATCHING EXISTING DETAILS.

SFN 8000743 DESIGN AGENCY



DESIGNER	CHECKER								
CAB	BF								
REVIEWER									
JPH ·	11-2-22								
PROJECT ID									
112	664								
SUBSET	TOTAL								
9	14								
SHEET	TOTAL								
20	25								