

SHEET NUMBER											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	8	9	11	22	23	24	29	31	40		01/IMS	02/IMS	03/IMS						
																		EROSION CONTROL	
									100,000		100,000			832	30000	100,000	EACH	EROSION CONTROL	
																		ENVIRONMENTAL / REMEDIATION	
											LUMP			SPECIAL	69071000	LS		ASBESTOS ABATEMENT, SUBMITTAL OF OEPA NOTIFICATION OF DEMOLITION OR REMOVAL FORM	
																		ROADWAY	
											LUMP			201	11000	LS		CLEARING AND GRUBBING	
					442							442		202	30000	442	SF	WALK REMOVED	
					58							58		202	32000	58	FT	CURB REMOVED	
												LUMP		SPECIAL	69098400	LS		CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	
					161							161		608	10000	161	SF	4" CONCRETE WALK	
					249							249		608	52001	249	SF	CURB RAMP, AS PER PLAN	
					57							57		609	26000	57	FT	CURB, TYPE 6	
																		PAVEMENT	
1,200												1,200		253	02000	1,200	CY	PAVEMENT REPAIR	
				2								2		253	02001	2	CY	PAVEMENT REPAIR, AS PER PLAN	
				147,834								147,834		254	01000	147,834	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.50"	
				1,488								1,488		254	01600	1,488	SY	PATCHING PLANED SURFACE	
				22,175								22,175		407	20000	22,175	GAL	NON-TRACKING TACK COAT	
				4,345								4,345		441	00100	4,345	CY	ANTI-SEGREGATION EQUIPMENT	
				6,249								6,249		442	10300	6,249	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447)	
				10.23								10.23		618	40600	10.23	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
				352								352		617	10100	352	CY	COMPACTED AGGREGATE	
				6,343								6,343		617	20000	6,343	SY	SHOULDER PREPARATION	
				7								7		617	25000	7	MGAL	WATER	
																		TRAFFIC CONTROL	
867			92								92	867		621	00100	959	EACH	RPM	
787			92								92	787		621	54000	879	EACH	RAISED PAVEMENT MARKER REMOVED	
						7						7		644	01360	7	EACH	WRONG WAY ARROW	
						69						69		644	00500	69	FT	STOP LINE	
						1,028						1,028		644	00720	1,028	FT	CHEVRON MARKING	
						6						6		644	01300	6	EACH	LANE ARROW	
						635						635		644	00700	635	FT	TRANSVERSE/DIAGONAL LINE	
						9.41						9.41		807	10010	9.41	MILE	WET REFLECTIVE TRAFFIC PAINT, EDGE LINE, 6"	
						7.82						7.82		807	10110	7.82	MILE	WET REFLECTIVE TRAFFIC PAINT, LANE LINE, 6"	
						5,125						5,125		807	10310	5,125	FT	WET REFLECTIVE TRAFFIC PAINT, CHANNELIZING LINE, 12"	
						5,787						5,787		807	10410	5,787	FT	WET REFLECTIVE TRAFFIC PAINT, DOTTED LINE, 6"	
						17.23						17.23		850	10010	17.23	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
						10,912						10,912		850	10130	10,912	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
																		MAINTENANCE OF TRAFFIC	
				400							400			614	11110	400	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
			5								5			614	12380	5	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
			20								20			614	13310	20	EACH	BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)	
			20								20			614	13360	20	EACH	OBJECT MARKER, TWO WAY	
	10											10		614	18601	10	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN, ASSUMING 2 PCMS	8
		7.82	0.31								0.31	7.82		614	20110	8.13	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
		9.41	1.8								1.8	9.41		614	22110	11.21	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
		5,125										5,125		614	23200	5,125	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	
		5,787	4,200								4,200	5,787		614	24202	9,987	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
		635										635		614	25200	635	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	
		69										69		614	26200	69	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	
			779								779			622	41100	779	FT	PORTABLE BARRIER, UNANCHORED	
	10											10		896	00010	10	SNMT	PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS I, 8 SENSORS	
	10											10		896	00020	10	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, 2 PCMS	
																		STRUCTURE REPAIR (HAM-IR 75-11.02R)	
								2					2	519	12300	2	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B	31

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

BCP

REVIEWER

JDO 1-17-25

PROJECT ID

120341

SHEET

20

TOTAL

52

[illegible]

ESTIMATED QUANTITIES - STRUCTURE No.: HAM-75-1102R (SFN 3110443)										
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET #	
519	12300	2	SY	PATCHING CONCRETE BRIDGE DECKS - TYPE B			2		P.32	
ESTIMATED QUANTITIES - STRUCTURE No.: HAM-75-1152R (SFN 3110532)										
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET #	
519	12300	2	SY	PATCHING CONCRETE BRIDGE DECKS - TYPE B			2		P.34	
ESTIMATED QUANTITIES - STRUCTURE No.: HAM-75-1184R (SFN 3110591)										
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET #	
519	12300	11	SY	PATCHING CONCRETE BRIDGE DECKS - TYPE B			11		P.35	
ESTIMATED QUANTITIES - STRUCTURE No.: HAM-75-1192R (SFN 3110656)										
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET #	
202	11201		LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN				LS		
202	75000	130	FT	FENCE REMOVED				130	P.40	
509	20001	142	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN			142		P.36, P.38, P.41	
510	10001	10	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN			10		P.28	
511	34410	21	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE			21		P.36, P.38, P.41	
513	95030	2250	EACH	STRUCTURAL STEEL, MISC.: WELDING CROSSFRAME STIFFENERS			2250		P.44-P.49	
513	95030	316	EACH	STRUCTURAL STEEL, MISC.: STEEL PREPARATION, INSPECTION, AND NDT.			316		P.44-P.49	
513	95030	316	EACH	STRUCTURAL STEEL, MISC.: DRILLING STRUCTURAL STEEL			316		P.44-P.49	
514	27702	316	EACH	FIELD PAINTING, MISC.: FIELD PAINTING OF DAMAGED STRUCTURAL STEEL - THREE COAT OZEU SPOT PAINTING			316		P.29	
514	27800		LS	FIELD PAINTING, MISC.: ZONE PAINTING OF STRUCTURAL STEEL NEAR EXPANSION JOINTS				LS		
518	12700	59	EACH	SCUPPER, VERTICAL EXTENSION			59		P.36-41	
518	63300		LS	STRUCTURE DRAINAGE, MISC.: CLEANING SCUPPERS AND BRIDGE DRAINAGE SYSTEMS				LS		
519	12300	5	SY	PATCHING CONCRETE BRIDGE DECKS - TYPE B			5		P.36, P.39-P.41	
601	32300	3	CY	ROCK CHANNEL PROTECTION, TYPE D WITH FILTER				3	P.38	
SPECIAL	900E11000	5000	EACH	SPECIAL - RAILROAD FLAGGING SERVICES				5000	P.9	

STRUCTURES SUBSUMMARY

DESIGN AGENCY



DESIGNER

BCP

REVIEWER

AS 12-20-24

PROJECT ID

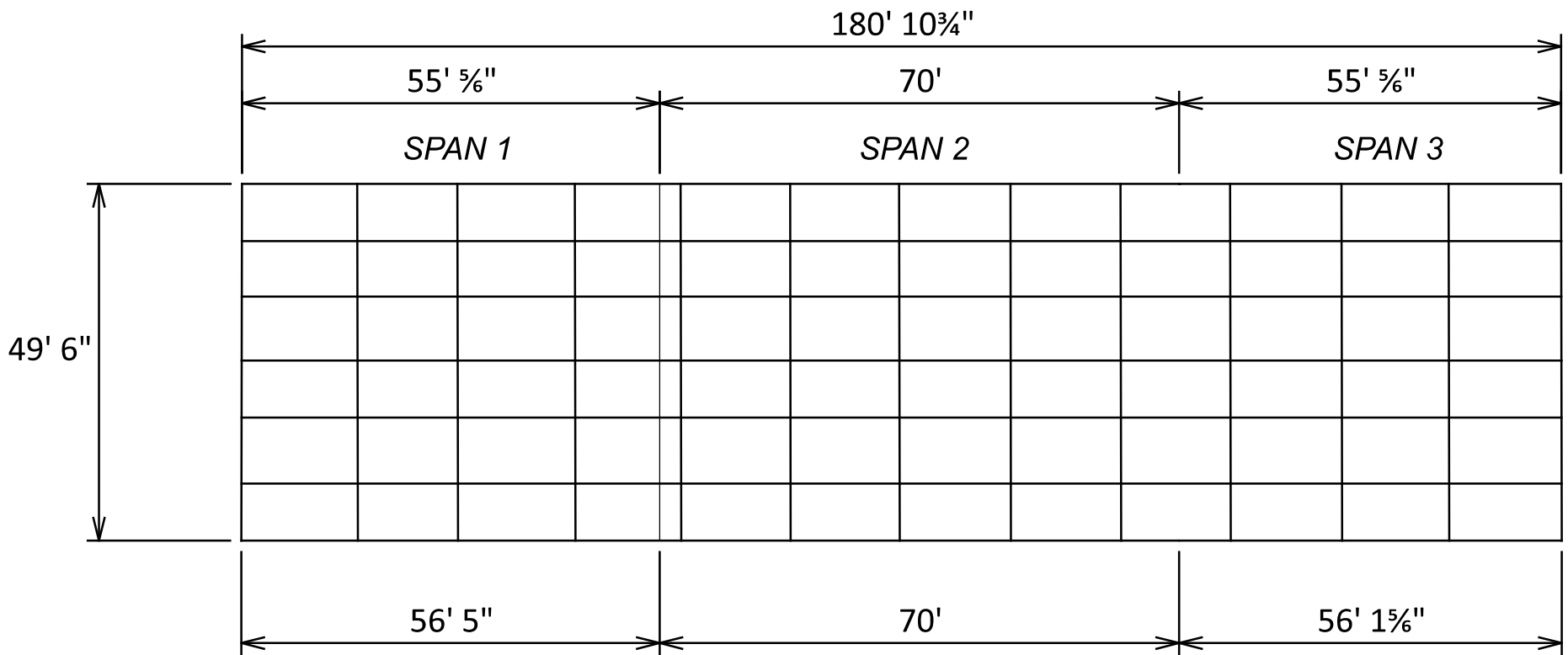
120341

SHEET

31

TOTAL

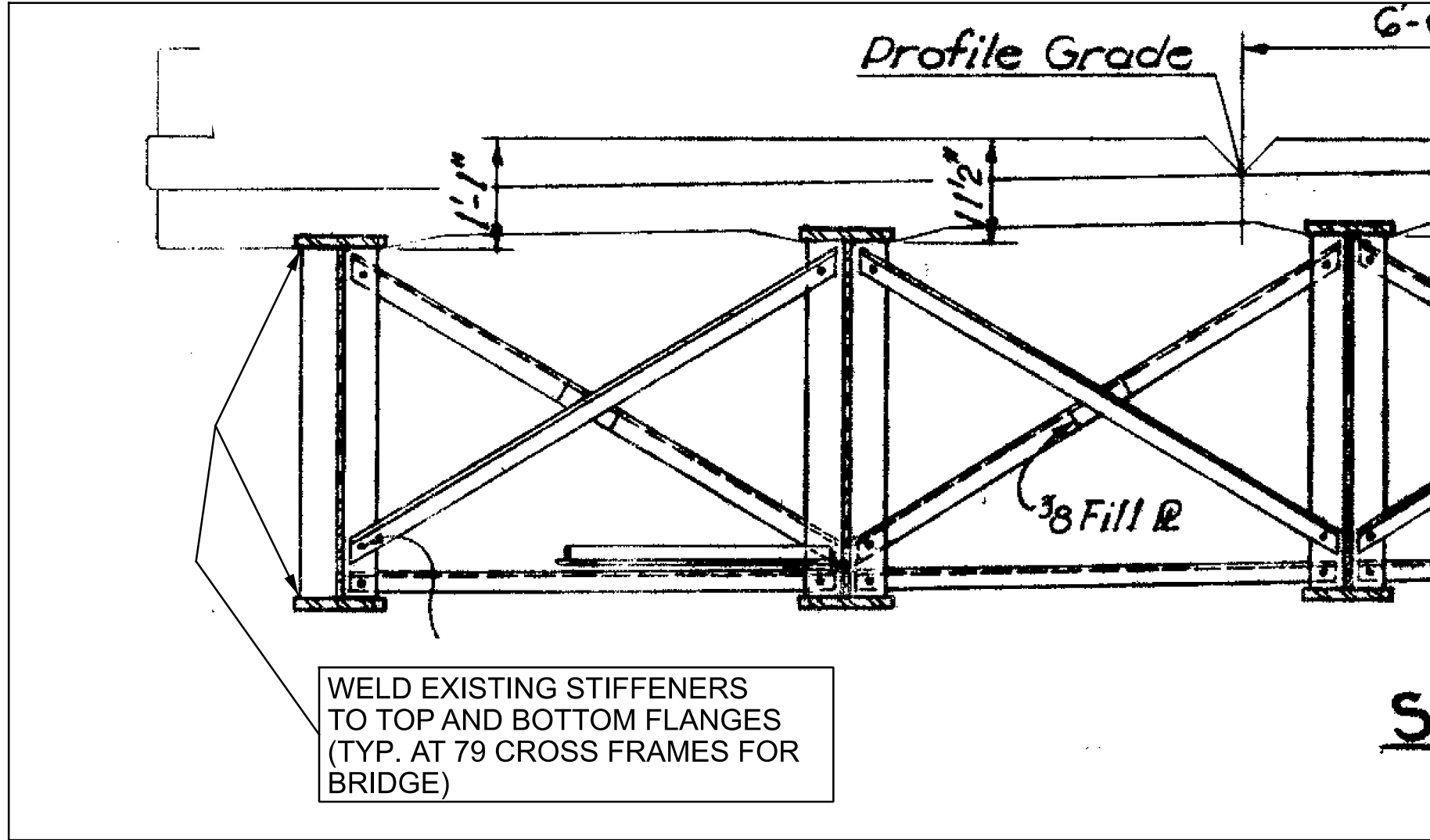
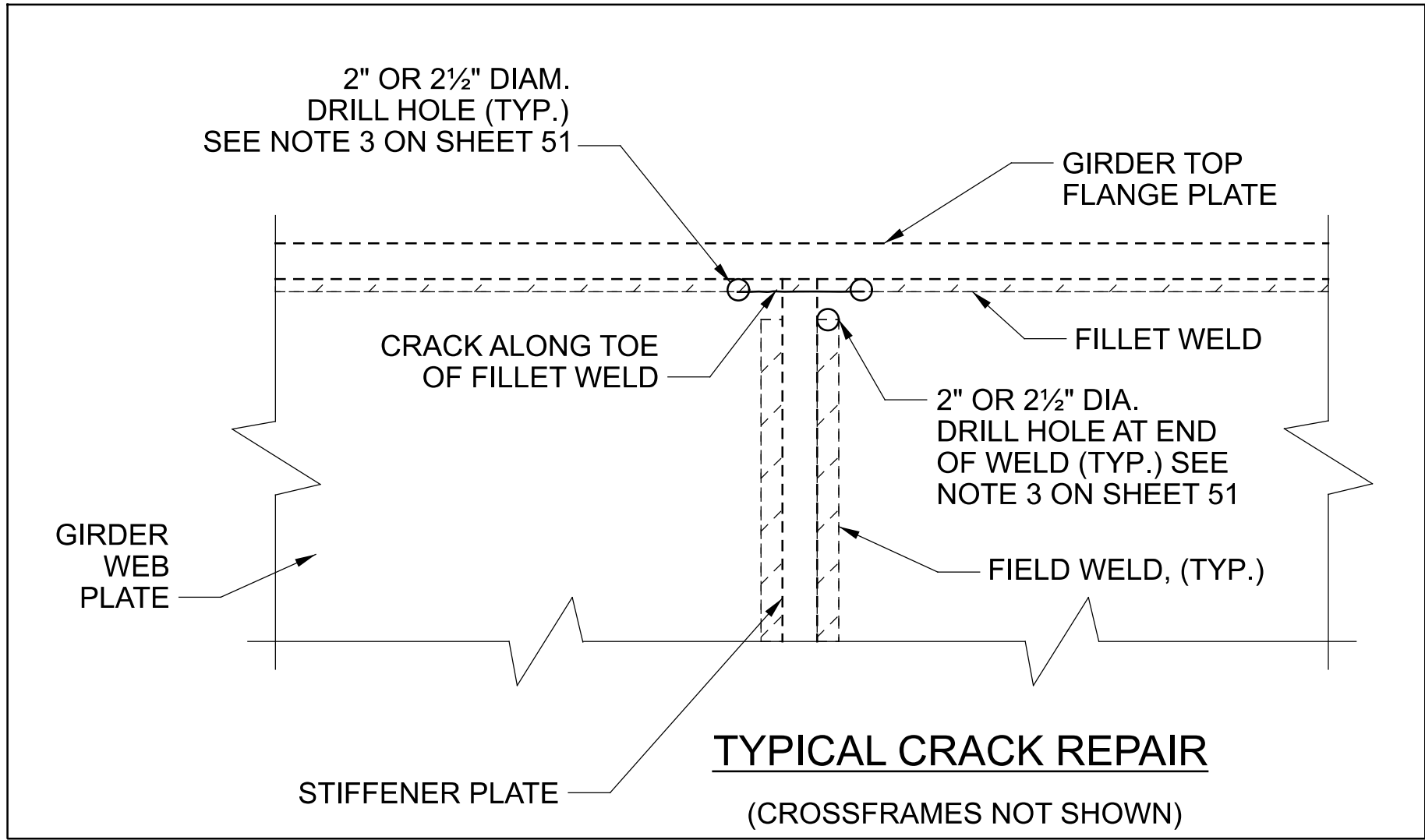
52



BRIDGE FRAMING PLAN - SPANS 1, 2, AND 3

LEGEND

- - OUT-OF-PLANE BENDING CRACK REPAIR



CRACK REPAIR WORK:

1. AT LOCATIONS SHOWN ON THE PLAN AND APPROVED BY THE ENGINEER, LOCATE THE ENDS OF THE CRACK BY PERFORMING PENCIL ABRASIVE BLASTING, GRINDING AND NDT AS PER PLAN NOTE.
2. USING THE PROCEDURE DESCRIBED IN THE PLAN NOTE, DETERMINE THE APPROPRIATE DIAMETER HOLE AND LOCATE THE HOLE TO COMPLETELY REMOVE THE DEFECT OR ARREST THE CRACK PROPAGATION.
3. DRILL REPAIR HOLE. GRIND AND PERFORM NDT TO ASSURE THE CRACK END HAS BEEN REMOVED. DO NOT, IN ANY CASE, DRILL OR GRIND THE TOP OR BOTTOM FLANGE PLATE.
4. REPAIR THE AREA OF DAMAGED COATING IN ACCORDANCE WITH THE PLAN NOTE.

NOTES:

1. DETAILS ON THIS SHEET ARE TAKEN FROM EXISTING PLANS AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY.
2. PERFORM ONLY THE WORK AS INDICATED IN THE FRAMED TEXT AND/OR DESCRIBED IN THE GENERAL NOTES.
3. AT ALL INTERMEDIATE & D-2 CROSS FRAMES, FIELD WELD THE EXISTING STIFFENERS TO THE TOP AND BOTTOM GIRDER FLANGES USING 5/16" FILLET WELD. WELD ONE SIDE OF EACH STFFENER ONLY. (1125 CROSS FRAME LOCATIONS. TWO STIFFENERS PER CROSS FRAME LOCATION).
4. PAINT PORTIONS OF CROSSFRAME STIFFENERS AND GIRDERS DAMAGED BY WELDING THE STIFFENERS TO THE FLANGES AND CRACK DRILLING. THREE DRILL HOLES PER REPAIR LOCATION PLUS TWO STIFFENERS PER CROSS FRAME LOCATION. OZEU PAINT COLOR SHALL MATCH EXISTING. PAINT AND SURFACE PREPARATION SHALL BE PAID FOR UNDER ITEM 514 - FIELD PAINTING, MISC.: FIELD PAINTING OF DAMAGES STRUCTURAL STEEL (THREE COAT OZEU SPOT PAINTING) (EACH) PER INTERMEDIATE AND D-2 CROSS FRAME LOCATION.
5. CRACK REPAIR DRILLING AND WELDING SHALL BE PAID BY LOCATION. TOTAL = 237 CRACK REPAIRS (ASSUMING 3 CRACK REPAIRS AT EACH REPAIR LOCATION) DRILLING SHALL BE PAID FOR UNDER ITEM 513 - STRUCTURAL STEEL, MISC.: DRILLING STRUCTURAL STEEL (EACH).