

Repair Schedule - Missouri Approach Girders											
SPAN #	PIER #	GRID #	DESCRIPTION	SPURCE PL. DIMENS (ft)				FILL PL. DIMENS (ft)			
				A	B	C	n	n1	A	B	F
18N	18N	G2	Type 1 Repair (Bottom of Web)	17.250	15.500	0.250	5	4	14.375	12.625	0.625
18N	18N	G3	Type 1 Repair (Bottom of Web)	17.250	15.500	0.250	5	4	14.375	12.625	0.625
18N	18N	G1	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
18N	18N	G2	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
18N	18N	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
14N	14N	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
13N	13N	G4	Type 1 Repair (Bottom of Web)	20.250	15.500	0.250	8	4	17.375	12.625	0.625
8N	8N	G1	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
8N	8N	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
6N	6N	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
1N	1N	G2	Type 1 Repair (Bottom of Web)	17.250	15.500	0.250	5	4	14.375	12.625	0.625

Type 3 Repair

Repair Schedule - Missouri Approach Girders											
SPAN #	PIER #	GRID #	DESCRIPTION	SPURCE PL. DIMENS (ft)				FILL PL. DIMENS (ft)			
				A	B	C	n	n1	A	B	F
12S	12S	G2	Type 2A Repair (Top of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
11S	11S	G4	Type 1A Repair (Bottom of Web)	17.250	15.500	0.250	5	4	14.375	12.625	0.625
10S	10S	G1	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
10S	10S	G2	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
10S	10S	G2	Type 2A Repair (Top of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
7S	7S	G1	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
7S	7S	G2	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
7S	7S	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
7S	7S	G4	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
6S	6S	G1	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
5S	5S	G1	Type 1A Repair (Bottom of Web)	16.375	16.000	0.250	5	4	13.600	12.125	0.625
5S	5S	G2	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
5S	5S	G2	Type 2A Repair (Top of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
4S	4S	G1	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
4S	4S	G1	Type 2A Repair (Top of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
4S	4S	G2	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
4S	4S	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
4S	4S	G3	Type 3 Repair Hole near 1st Stiffener								
3S	3S	G1	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
3S	3S	G2	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
3S	3S	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
2S	2S	G1	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
2S	2S	G2	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
2S	2S	G2	Type 2A Repair (Top of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
2S	2S	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
2S	2S	G4	Type 2 Repair (Top of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
2S	1S	G1	Type 1A Repair (Bottom of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
2S	1S	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
2S	1S	G4	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
1S	1S	G1	Type 2A Repair (Top of Web)	13.625	16.000	0.250	4	4	10.750	13.125	0.625
1S	1S	G3	Type 1 Repair (Bottom of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625
1S	1S	G4	Type 2 Repair (Top of Web)	14.250	15.500	0.250	4	4	11.375	12.625	0.625

NOTE 2.1: 2 SPLICE PLATES AND 2 FILL PLATES ARE REQUIRED AT EACH TYPE 1, TYPE 1A, TYPE 2 AND TYPE 2A REPAIR LOCATION.  
 NOTE 2.2: DRILL OUT 6 PLUG WELDED RIVET HOLES IN THE LOWER FLANGE AND WEB ANGLES AND REPLACE WITH 7/8" DIAMETER BOLTS.

GENERAL NOTES

- ALL NEW FASTENERS SHALL BE HIGH STRENGTH BOLTS. HOLES SHALL BE SUBPUNCHED OR SUBDRILLED 13/16" DIAMETER AND REAMED IN THE FIELD TO 15/16" DIAMETER FOR 7/8" DIAMETER HIGH STRENGTH BOLTS AFTER NEW STRUCTURAL STEEL SECTIONS ARE PROPERLY FITTED INTO POSITION.
- THE INORGANIC ZINC-SILICATE / ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF NEW STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED. THE COLOR OF THE FINISH SHALL MATCH THE EXISTING PAINT. SEE SPECIAL PROVISIONS.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- TRAFFIC CONTROL SHALL BE DETERMINED BY THE DISTRICT. TRAFFIC SHALL BE REMOVED FROM THE LANE OVER THE REPAIR WORK.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Furnishing & Erecting Structural Steel	Lbs.	5890

BRIDGE NO. 1  
 STRUCTURE 002-0005  
 FOR INFORMATION ONLY