



BILL OF MATERIAL			
Description	No. of Locations Occurring	Unit	Total Quantity
Exterior Stringer Bottom Clip Angle Removal and Replacement	233	Each	233
Interior Stringer Bottom Clip Angle Removal and Replacement	191	Each	191
Stringer Bottom Flange Repair	2	Lb.	90
Stringer Partial Web Depth Repair - Type "A"	8	Lb.	410
Stringer Full Depth Web Repair	11	Lb.	2530
Stringer Partial Depth Web Repair - Type "B"	61	Lb.	12,320
Stringer Partial Depth Web Repair - Type "C"	4	Lb.	520
Stringer End Connection Repair	2	Each	2
Full Length Stringer Replacement	2	Each	2

DETAIL NUMBER	NO. PLACES OCCURRING	LIST OF MATERIAL PER LOCATION			
		PLATES	ANGLES	7/8" Ø BOLTS	
15	233*		1-5"x3"x3/8"x9"	2	
16	191*		1-3"x3"x3/8"x9"	2	
17	2	1-3/8"x9"x27"		18	
18	3	1-3/8"x9"x12", 1-7/16"x8 7/8"x9"		10	
19	3	2-3/8"x12"x9", 2-7/16"x8 7/8"x9"		10	
	1	2-3/8"x12"x12", 2-7/16"x8 7/8"x12"		12	
20	1	2-3/8"x18"x9", 2-7/16"x14 7/8"x9"		14	
	5	2-3/8"x12"x25 3/8"	2-6"x4"x1/2"x21"	41	
	1	2-3/8"x15"x25 3/8"	2-6"x4"x1/2"x21"	45	
	2	2-3/8"x36"x25 3/8"	2-6"x4"x1/2"x21"	73	
	1	2-3/8"x39"x25 3/8"	2-6"x4"x1/2"x21"	77	
21	1	2-3/8"x45"x25 3/8"	2-6"x4"x1/2"x21"	85	
	1	1-3/8"x21"x25 3/8"	1-6"x4"x1/2"x21"	41	
	22	5	1-3/8"x18"x12 1/2", 1-3/8"x3 1/2"x12 1/2"	1-6"x4"x1/2"x21"	30
		11	1-3/8"x24"x12 1/2", 1-3/8"x3 1/2"x12 1/2"	1-6"x4"x1/2"x21"	36
		5	1-3/8"x30"x12 1/2", 1-3/8"x3 1/2"x12 1/2"	1-6"x4"x1/2"x21"	42
		3	1-3/8"x30"x15 1/2", 1-3/8"x3 1/2"x9 1/2"	1-6"x4"x1/2"x21"	44
		4	2-3/8"x18"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	41
		1	2-3/8"x18"x18 1/2", 2-3/8"x3 1/2"x6 1/2"	2-6"x4"x1/2"x21"	45
		8	2-3/8"x24"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	49
		4	2-3/8"x30"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	57
		1	2-3/8"x36"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	65
		2	2-3/8"x36"x15 1/2", 2-3/8"x3 1/2"x9 1/2"	2-6"x4"x1/2"x21"	67
		4	2-3/8"x39"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	69
		1	2-3/8"x39"x15 1/2", 2-3/8"x3 1/2"x9 1/2"	2-6"x4"x1/2"x21"	71
		2	2-3/8"x45"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	77
		1	2-3/8"x45"x18 1/2", 2-3/8"x3 1/2"x6 1/2"	2-6"x4"x1/2"x21"	81
1		2-3/8"x48"x15 1/2", 2-3/8"x3 1/2"x9 1/2"	2-6"x4"x1/2"x21"	83	
3	2-3/8"x54"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	89		
2	2-3/8"x60"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	97		
1	2-3/8"x60"x15 1/2", 2-3/8"x3 1/2"x9 1/2"	2-6"x4"x1/2"x21"	99		
1	2-3/8"x7 1/2"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	141		
1	2-3/8"x11 1/2"x12 1/2", 2-3/8"x3 1/2"x12 1/2"	2-6"x4"x1/2"x21"	205		
24	1	2-3/8"x18"x12 1/2"		26	
	1	2-3/8"x27"x12 1/2"		38	
	1	2-3/8"x39"x12 1/2"		54	
	1	2-3/8"x42"x12 1/2"		58	
25	2		1-6"x4"x1/2"x21"	13	
26	2	See Detail, This Sheet for Sizes of the Plates and Angles			

\* These are the total numbers of angles requiring replacement for Details 15 and 16. At 83 locations for Detail 15 and at 78 locations for Detail 16 the angles are located on opposite sides of common panel points and share the same connection bolts.

DESIGNED *[Signature]*  
CHECKED R.E.C.  
DRAWN G.E.  
CHECKED R.E.C.S.

BRIDGE NO. 1  
STRUCTURE 002-0005  
FOR INFORMATION ONLY

TRUSS SPANS  
STRINGER REPAIR DETAILS  
F.A.U.S. Rte. 9811 (U.S. RD 62)  
S.B.L. 150 SECTION 138 D-BR  
ALEXANDER CO., IL. MISSISSIPPI CO., MO.  
STATION 28+13.08