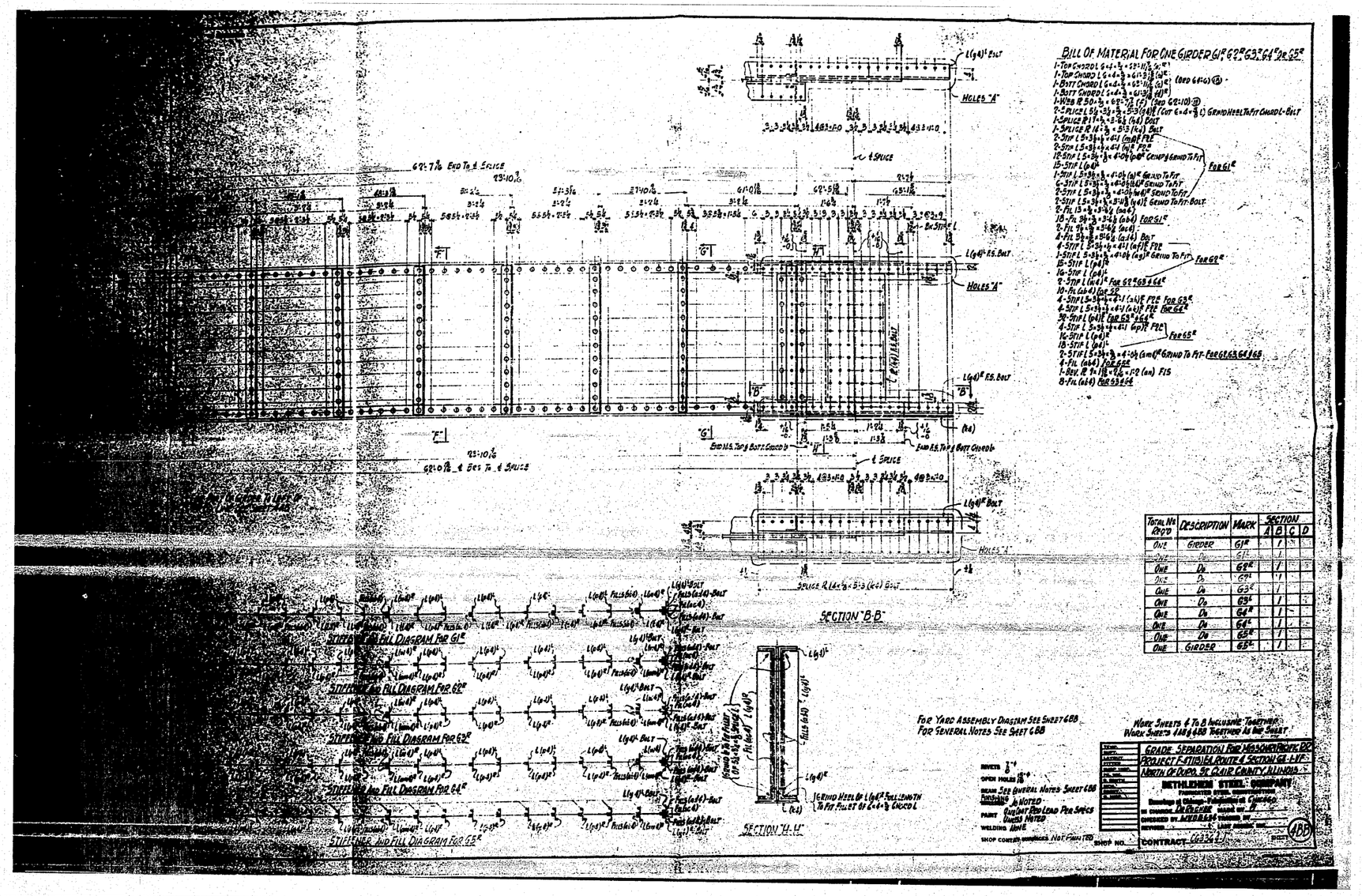

BILL OF MATERIAL FOR ONE GIRDER G1ᴱ G2ᴱ G3ᴱ G4ᴱ & G5ᴱ

1-TOP CHORD L 6"x4"x 5/8 x 52'-11 3/8" (a) ᴱ
1-TOP CHORD L 6"x4"x 5/8 x 61'-3 3/8" (a) ᴱ (BRD 64'-6") (b)
1-BOTT CHORD L 6"x4"x 5/8 x 62'-10 3/8" (c) ᴱ
1-BOTT CHORD L 6"x4"x 5/8 x 63'-3 3/8" (d) ᴱ
1-WEB R 50"x 3/8" x 62'-7 1/8" (e) (BRD 62'-10") (f)
2-SPLICE L 5 1/2"x 3/8"x 3'-3" (g) ᴱ (CUT 6"x4"x 5/8" L) GRIND HEEL TO FIT CHORD L-BUTT
1-SPLICE PL 11"x 3/8"x 3'-3 1/2" (h) BOLT
1-SPLICE R 16"x 5/8"x 3'-3 1/2" (h) BOLT
2-STIFF L 5"x3 1/2"x 1/2" (a) ᴱ FPE
2-STIFF L 5"x3 1/2"x 7/16" (a) ᴱ FPE
12-STIF L 5"x3 1/2"x 7/16" x 4'-0 1/2" (a) ᴱ CRIMP & GRIND TO FIT
15-STIF L (a) ᴱ
1-STIF L 5"x3 1/2"x 7/16" x 4'-10 1/2" (a) ᴱ GRIND TO FIT
4-STIF L 5"x3 1/2"x 7/16" x 4'-10 1/2" (a) ᴱ GRIND TO FIT
2-STIF L 5"x3 1/2"x 7/16" x 4'-10 1/2" (a) ᴱ GRIND TO FIT
2-STIF L 5"x3 1/2"x 7/16" x 3'-11" (a) ᴱ GRIND TO FIT-BOLT
2-FIL 13"x 3/8"x 3'-4" (a) (a)
18-FIL 36"x 3/8"x 3'-4" (a) (d) FOR G1ᴱ
2-FIL 9"x 3/8"x 3'-4" (a) (d)
4-FIL 36"x 3/8"x 3'-4" (a) (d) BOLT
4-STIF L 5"x3 1/2"x 7/16" (a) ᴱ FPE
1-STIF L 5"x3 1/2"x 7/16" x 4'-10 1/2" (a) ᴱ GRIND TO FIT
18-STIF L (a) ᴱ
16-STIF L (a) ᴱ
2-STIF L (a) ᴱ FOR G2ᴱ G3ᴱ & G4ᴱ
10-FIL (a) (d) FOR G2
4-STIF L 5"x3 1/2"x 7/16" x 3'-1" (a) ᴱ FPE FOR G3ᴱ
6-STIF L 5"x3 1/2"x 7/16" x 4'-1" (a) ᴱ FPE FOR G4ᴱ
36-STIF L (a) ᴱ FOR G3ᴱ & G4ᴱ
4-STIF L 5"x3 1/2"x 7/16" x 4'-1" (a) ᴱ FPE
16-STIF L (a) ᴱ
18-STIF L (a) ᴱ
2-STIF L 5"x3 1/2"x 7/16" x 4'-10 1/2" (a) ᴱ GRIND TO FIT- FOR G1ᴱ G3ᴱ G4ᴱ & G5ᴱ
4-FIL (a) (d) FOR G5ᴱ
1-BEV. PL 9"x 11 1/2"x 1/2"x 1'-0" (a) FIS
8-FIL (a) (d) FOR G3 & G4

TOTAL No REQ'D	DESCRIPTION	MARK	SECTION A	B	C	D
ONE	GIRDER	G1ᴱ	1			
ONE	"	G2ᴱ	1			
ONE	"	G3ᴱ	1			
ONE	"	G4ᴱ	1			
ONE	"	G5ᴱ	1			
ONE	"	G4ᴱ	1			
ONE	"	G3ᴱ	1			
ONE	"	G2ᴱ	1			
ONE	"	G1ᴱ	1			

WORK SHEETS 6 TO 8 INCLUSIVE TOGETHER
WORK SHEETS 68A & 68B TOGETHER AS ONE SHEET

GRADE SEPARATION FOR MISSOURI PACIFIC RR.
PROJECT F-FTIS(8) ROUTE 4 SECTION 64-1VBR
NORTH OF DUPO, ST. CLAIR COUNTY, ILLINOIS

BETHLEHEM STEEL COMPANY
FABRICATED BY BETHLEHEM STEEL COMPANY
Bridge at Chicago - Fabricated at Chicago
IN CHARGE J.M. CRUTCHFIELD WORK NO. 71
CHECKED BY J.W.D. BLAKE DRAWN BY
REVISED DATE

SHOP NO. CONTRACT 63346 SHEET NO. 68B

RIVETS 1"ᴱ
OPEN HOLES 13/16"ᴱ
BEAMS See General Notes Sheet 68B
FINISHING As Noted
PAINT One Shop Coat Red Lead Free Specs Unless Noted
WELDING None
SHOP COATED SURFACES NOT PAINTED

FOR INFORMATION ONLY

FILE NAME =	USER NAME = tharpr1	DESIGNED -	REVISED -
c:\pw_work\pwidot\tharpr1\dms71738\D0876882-sht-fab-plans.dgn	DRAWN -	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 5/17/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STEEL SHOP DRAWINGS

SCALE: N/A | SHEET NO. OF 67 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
312	64-1VBR	ST. CLAIR	259	174
		CONTRACT NO. 76882		
		ILLINOIS FED. AID PROJECT		