Section C-C.

Sheet No.	Sheet No.					Sheet No.	Sheet No.			
1	-	ae	"78.2" to Nat. Pl. old	56'-1½	To weld on job	4	4	af40R	5"x3½"x⅜ L	12½
1	1	be	do do	56'-1½	" 56'-1½	2	2	af40L	do	12½
2	2	CE	6"x4"x⅞ L	56'-1½	curved	8	8	ac30R	3½"x3½"x⅜ L	12½
1	1	dR	do do	55'-11⅞	"	4	4	adR	⅞"x3½"x⅛ L (variation 0.381)	1'-3⅜ T beveled edge for welding
1	1	dLx	do do	55'-11⅞	"	4	4	ae	9½ fill abt	7½ T Weld
1	1	e	12½"x⅜ U.R.G. w. Pl. ill	56'-1⅛	" 56'-1⅛	4	4	af	9.⅞ fill "	1'-6⅜ T do
1	1	f	do do	55'-11⅞	" 56'-0	4	4	agR	9.⅞ Pl "	12½ T beveled edge for welding
2	2	W29	13. Rolled Sect. Pl's	5'-9½	bolted, bolted & welded	2	2	ah	14"x⅜ Pl	2'-8
2	2	g	12½"x U.R.S. Sect. Pl's	3'-10⅜		2	2	ak	3½"x⅜ fill	2'-8
2	2	h	5"x3½"x⅜ L	3'-4½	Grind to fit fillet of 6"x4" L	8		V30	8"x3½"x⅜ L	6
2	2	K	do	3'-4½	do do	8	8		⅞" Shop Bolts	2½ uh.
1	1	mA1	5"x3½"x⅜ L	2'-10⅝	do To fit fillet of 6"x4" L	8	8		do	3½ U.h
1	1	nA1	do do	2'-10⅝	do do					
1	1	pA1	3½"x3"x⅜ L	1'-1	do do	1	1	am	7"x⅜ Pl	11 T
1	1	tR	5"x3½"x⅜ abt	54'-11½	curved	1	1	ane	4 I 10.5#	11 (43) Notched
1	1	uR	do do	54'-10⅜	do do					
1	1	vR	3½"x3"x⅜ L	2'-11⅞	do do crimped					
2	2	wR	do do	6'-11⅞	do do crimped					
1	1	xR	do do	6'-11⅞	do do crimped					
1	1	yR	do do	6'-10⅞	do do crimped					
2	2	aaR	do do	6'-11⅞	do do crimped					
1	1	abR	do do	6'-11⅞	do do crimped					
1	1	acR	do do	2'-4⅜	do do crimped					
6	6	adoR	5"x3½"x⅜ L	4'-3½	crimped					
2	2	aeoR	do	4'-3½						
2	2	k33	3½"x⅜ fill	3'-2½						
4	4	K33	4"x⅜	1'-4						

Summary of F Riv

48-3	F Rivets	2½
248-	do	2⅝
48-	do	2¾
16-	do	2⅞
64-	do	3⅛
192-	do	4.
96-	do	5.

Section F-F

Deer Isle Cable Bent

Sedgwick Cable Bent

Location Diagram for Stiffening Girders 18th from Cable Bent

1- Girder SG35R as Shown and Noted
1- " SG35L Opp. hand
1- " SG36R as Shown & Noted
1- " SG36L Opp. hand to SG36R

Camber Diagram

Stiffening girder sections must be assembled in the shop for reaming of holes of splices in groups of not less than four (4) sections of Girders

SPECIFICATIONS: WORKMANSHIP, DEER ISLE - SEDGWICK BRIDGE SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS 1935 EDITION.
STRUCTURAL STEEL: A. S. T. M. A7-35, EXCEPT THAT FOR THE WEBS, FLANGE ANGLES, FLANGE PLATES AND SPLICE MATERIAL OF THE STIFFENING GIRDERS FOR THE SUSPENSION BRIDGE, THE SPECIFICATIONS FOR STEEL SHALL BE AS FOLLOWS: ULTIMATE STRENGTH 62000 TO 72000 POUNDS PER SQUARE INCH, AND ELEVEN POINT 38000 POUNDS PER SQUARE INCH, MINIMUM.
RIVET STEEL: A. S. T. M. A141-35.
RIVETS ⅞ UNLESS NOTED. OPEN HOLES ⅞ UNLESS NOTED.
ALL MATERIAL FORMING A PART OF MAIN MEMBERS SHALL BE SUB-PUNCHED AND REAMED IF THE THICKNESS OF THE MATERIAL IS NOT GREATER THAN THE NOMINAL DIAMETER OF THE RIVET. REAMED HOLES PUNCHED ⅛" SMALLER AND AFTER ASSEMBLING, REAMED ⅛" LARGER THAN THE NOMINAL DIAMETER OF THE RIVET. HOLES SHALL BE DRILLED IN MATERIAL THE THICKNESS OF WHICH IS GREATER THAN THE NOMINAL DIAMETER OF THE RIVET.
HOLES MARKED TEMPLET SHALL BE REAMED OR DRILLED, TO A METAL TEMPLET 1" THICK.
HOLES MAY BE PUNCHED FULL SIZE IN MATERIAL USED FOR LATERAL, LONGITUDINAL AND SWAY BRACING, LACING BARS AND ANGLES, STAY PLATES, AND DIAPHRAGMS, NOT FORMING A PART OF THE SECTION OF MAIN MEMBERS, IF THE THICKNESS OF THE MATERIAL IS NOT GREATER THAN THE NOMINAL DIAMETER OF THE RIVET.
SHOP PAINT: ONE COAT OF DURANT 47-700 DULUX RED LEAD.
CONTACT SURFACES NOT PAINTED.
ERECTION MARKS PAINTED ON PAINTED SURFACES.
EDGE DISTANCES NOT GIVEN ARE 1½".
LAST ASSEMBLY MARK BY [illegible] SHOP LIST'D, PAGES 30 & 31.

Revised as per Print returned 9/21/38

P. W. A. PROJECT NO. ME 1010-L
DEER ISLE SEDGWICK BRIDGE DISTRICT
BRIDGE OVER EGGEMOGGIN REACH
FROM LITTLE DEER ISLE TO SEDGWICK
HANCOCK COUNTY, MAINE.
ROBINSON & STEINMAN, ENGINEERS, NEW YORK, CITY.

Stiffening Girders

THE PHOENIX BRIDGE CO.
CONTRACT [illegible]
C.S. "467-F"
DRAWING: 42
ENGINEER: J. H. Wonner
DRAFTSMAN: T.V.R.
CHECKED BY: P.R.D. 4/20/39
SCALE: 3/8 = 1'-0
DATE: 4-5-38