"SG21-R"
"SG22-R"

Web ℄R for SG21-R
" ℄R " SG22-R

Bore 2 13/16" for 2¼ Pin For Complete Views of this Suspender fastening see Dwg. 30

Weld see Dwg. 30

℄ Pin Hole

56'-1⅛
56'-4⅝ c. to c. Holes.

Grind L-h. along this ledge to fit fillet of 6 x 4 L

Fill-u between L-h + chd L

Fill-u between L-h + chd L

Flatten to ⅜ high N.S.

Section C-C

Section E-E

L-mR as shown
L-hR opp hand to Sect E-E

Location Diagram for stiffening Girders. 11'-4½ from Cable Bents.

Deer Isle Cable Bent

Sedgwick Cable Bent

℄ of Bridge

SG22R SG22L
SG21L SG21R
18 20 20 18

Summary of Field Rivets

116-⅞ ø Field Rivets	2⅜
140- " " "	2½
48- " " "	2⅝
48- " " "	2¾
160- " " "	3⅛
80- " " "	4¼
48- " " "	2¼

WANTED!

1- Girder SG-21R as shown and noted
1- " SG-21L Opp hand
1- " SG-22R as shown 2nd noted
1- " SG-22L Opp hand

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.

Stock	Stock					
4	4	a230	6 x 2 Pl.		7⅝	To welded
4	4	af30	9 x ⅞ "		11-6⅜	
4	4	a230	9 x 2 "		12-2	Sheet edge to be welded
1	1	mR	6 x 3½ x ⅝ L		5'-11⅛	
1	1	p	18 x ⅜ Pl.		3'-6½	
1	1	t	18 x ⅝ "		5'-10½	To
4	4	u	12 x ½ fills		1'-4⅛	Welded
4	4	v	3 x ⅜ "		1'-5	Welded
6	6		⅞ Shipmt bolts		2½	U.H.
8	8		" "		2⅞	
1	1	w	3½ x ½ fill		3'-4½	
1	1	x	" "		3'-9½	
4	4	y30R	6 x 3½ x ⅝ L		12-0	
2	2	y30L	" " "		12-0	

Sheet Steel
Rolled
Crimp ½
Rolled Grind off to fillet of 6 x 4 L
Crimp ½
Sheet Edge to be for welding

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 - 36, 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 READ AS FOLLOWS: ULTIMATE STRENGTH 62000 TO 72000 POUNDS PER SQUARE INCH AND YIELD POINT 33000 POUNDS PER SQUARE INCH, MINIMUM.
RIVET STEEL, A.S.T.M. A141.
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
" 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 DUPONT 67-708 DULUX RED LEAD.
CONTACT SURFACES NOT PAINTED
ERECTION MARKS PAINTED ON PAINTED SURFACES
EDGE DISTANCES NOT OF STANDARD ARE ½"
LAST ASSEMBLY MARKS SHOP SKETCH PAGES 17418.

P. W. A. PROJECT NO. ME 1010 D.
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 #757
C.O. #5717
DRAWING: 30
ENGINEER: J. H. Wenner
DRAFTSMAN: R.C.S and H.W.D
CHECKED BY: R.R.D. 3/16/38
SCALE: ½" = 1'-0"
DATE: March 17 1938

2967 rivets

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