Note change in gauge for end ℄

Note change in gauges

℄ of Pin Hole — ½ Parallel to working line

Bore 2⅞" ø for 2½" ø Pin

Shop Note: See enlarged detail below

56'-0 W.P.(X) to W.P.(Y)

28'-0

Figures given on Horizontal line

Temp. 24 — 28 Holes

℄ of Splice — Grind b & h along this line to fit fillet of Fig. 42

Panel Point 35

Panel Point 55

Temp. 11 — 37 Holes

Temp. 14 — 12 Holes

Temp. 24 — 28 Holes

Working Line (Horizontal)

Floor Line

Bracket for Navigation Light

Note break in Gauge

Flatten to ½ high N.S.

Ctsk not chipped N.S.

Ctsk N.S. not chipped

(All these lines are vertical lines 90° to working line, except at ends of Girder as shown)

All these lines on curve

Wanted

1-Girder SG38 As shown and noted

1- do SG37 opp. hand to SG38 except for addition of Clip & V30 as noted

Stiffening girder sections must be assembled in the shop for reaming of holes & splices, in groups of not less than two (except Sections of Type)

Section A-A

Section B-B

Section C-C

Section E-E

Section F-F

Section H-H

Section G-G

Location Diagram for stiffening Girders

Camber Diagram

Summary of Fillers

124	.78 Fillers	
24	do	
3	do	
16	do	
96	do	
98	do	

SG38	SG37													
1		aR	78 c.c. web Pl. alt	SG-1	T. curved	seal.	4	4	aa30	7	½ fills	9½		
	1	aLX	do "	SG-1	T "	seal.	2	2	aR2	5	3½ ⅜ L	12½		
2	2	cE	6 × 4 ½ L "	SG-1	curved	"	2	2	aK		do	12½		
1R	1L	dB	do "	SG-11½		"	2	2	ab30	3	½ fill	3'-2½		
1L	1R	dBB	do "	SG-11½		"	8	8	ac30	3½	3½ ⅜ L	12½		
1	1	e	12½ × ⅜ URC w Pl. "	SG-1		seal.	4	4	ad2	7	⅜ × 3½ × 2L (cut short)	1'-3½	bevel edge for welding	
1	1	f	do "	SG-11½		"	2	4	ae	9	½ fill abt	7½	T	Weld
2	2	W29	13.⅜ UEC pl. Pl.	SG-9½		2 holes	4	4	af	9	⅜ " "	1'-6⅜	T	"
2	2	aH2	12½ × ⅜ UEC pl. Pl.	3'-10½		bolts not driven	1	4	ag	9	⅜ Pl. "	12½	T	bevel edge for welding
2	2	h	5 × 3½ × ½ L "	3'-4½		"	2	2	ah42	14	⅜ Pl. "	2'-8		
2	2	K	do "	3'-4½		"	2	2	am	3½	½ fills	2'-8		
1	1	mA1	5 × 3½ × ⅜ L "	2'-10½		Fillet of spring to ctsk of web	4	4	an	4½	½ fills	2'-2½	Weld	
1	1	mA11	do "	2'-10½		"	2	2	ap	3	⅜ fill	1'-11	T	"
1	1	pA1	3½ × 3 × ½ L "	1'-1		"	2	2	at		do	1'-11	T	"
1R	1L	rE	5 × 3½ × ⅜ L abt	5A-11	curved		8	8	V30	8	3½ × ⅜ L	6		
1R	1L	uE	do "	5A-10½			1	1	am42	7	⅜ Pl.	11	T	
1R	1L	vE	3½ × 3 × ½ L "	2'-10½		crimped ½	1R	1L	an42	4	½ × 8-5/8 "	11	(+⅜)	notched
2R	2L	wE	do "	6'-11⅛		" crimped ½	8	8			⅞ Shop Bolts	2½	Wh.	
1R	1L	xE	do "	6'-11⅛		" crimped ½	8	8			do	3½	Wh.	
1R	1L	yE	do "	6'-10½		" crimped ½								
2R	2L	aaE	do "	6'-11⅛		"								
1R	1L	abE	do "	6'-11⅛		" crimped ½								
1R	1L	acE	do "	2'-10½		"								
6R	6L	bE	5 × 3½ × ⅜ L	4'-3½		crimped ½								
2R	2L	ahE	do "	4'-3½		"								

Special Steel

Weld see enlarged view

Dear Isle Cable Bent

℄ of Girder

2-2 Notch

℄ of suspension span

Sedgwick Gable Bent

clips V30 on outside of Girder

Bed

Chip

Flatten to ½ high N.S.

Ctsk not chipped N.S.

Ctsk not chipped

Ctsk N.S. not chipped

Grind b & h (max.) along this line to fit fillet of Web Pl. from each end

Figures given on Horizontal line

Temp. 24 — 28 holes

Grind b & h along this line to fit fillet of Fig. 42

Shoulder plate to be ground to fit fillet of Web Pl. from each end

Stiffening Girders

THE PHOENIX BRIDGE CO.

CONTRACT # 457

C.O. # 457-A

DRAWING: # 43

ENGINEER: J. H. Wanner.

DRAFTSMAN: T.V.R.

CHECKED BY P.R.D. 4/22/38

SCALE: 3/8" = 1'-0"

DATE: 4-14-38

Revised 4/20/38 as per reduced print.

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.

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 WEB, 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 YIELD POINT 30000 POUNDS PER SQUARE INCH, MINIMUM.

RIVET STEEL A. S. T. M. A141 - 36.

RIVETS ⅞" UNLESS NOTED. OPEN HOLES 15/16 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 ¾ SMALLER AND AFTER ASSEMBLING, REAMED ¼ 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 DUPONT 57-200 DULUX RED LEAD.

CONTACT SURFACES NOT PAINTED.

ERECTION MARKS PAINTED ON PAINTED SURFACES.

EDGE DISTANCES NOT GIVEN ARE 1¼".

LAST ASSEMBLY MARK AT. SHOP LISTS: PAGES 32 Y 33.

* 3-9-in. rap not used.