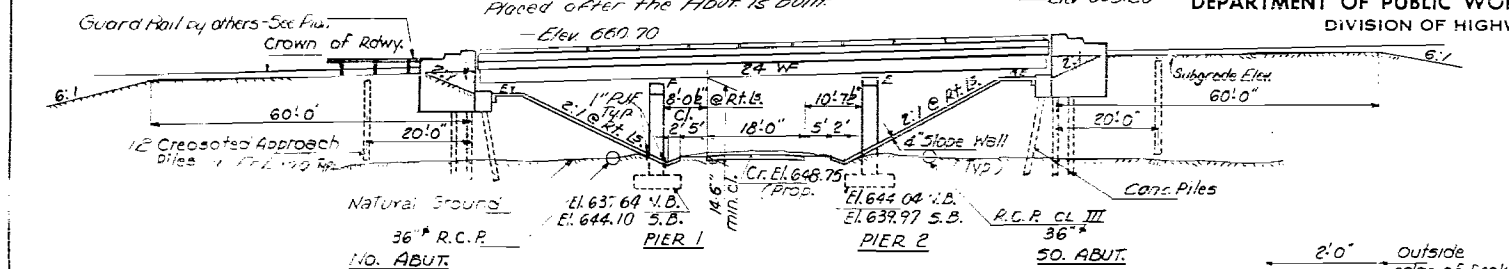


B.M. 167 D-1 Base of Telephone Pole Sta. 27+39.4
T.R. 167 D 21' Lt. Elev. 647.52

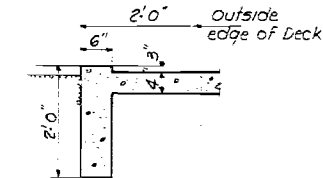
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. / // SHEETS
5-	51-5-1 51-5-2 51-5-3	IRISOUIS	64	7	
FED. ROAD DIST. NO. 3		SECTION	FED. AID PROJECT		7-5

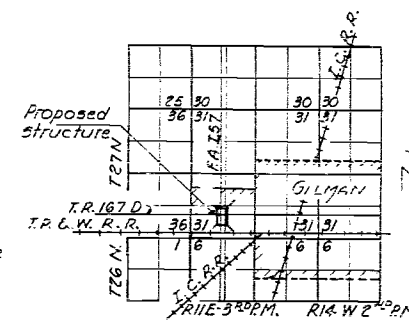


STATION 585+10.21
BUILT 196 BY
STATE OF ILLINOIS
F.A.I.R.T. 57-SEC. 38-5-HB-1
F.A. PROJECT 57G-57-6-43
LOADING H5EO FAIR

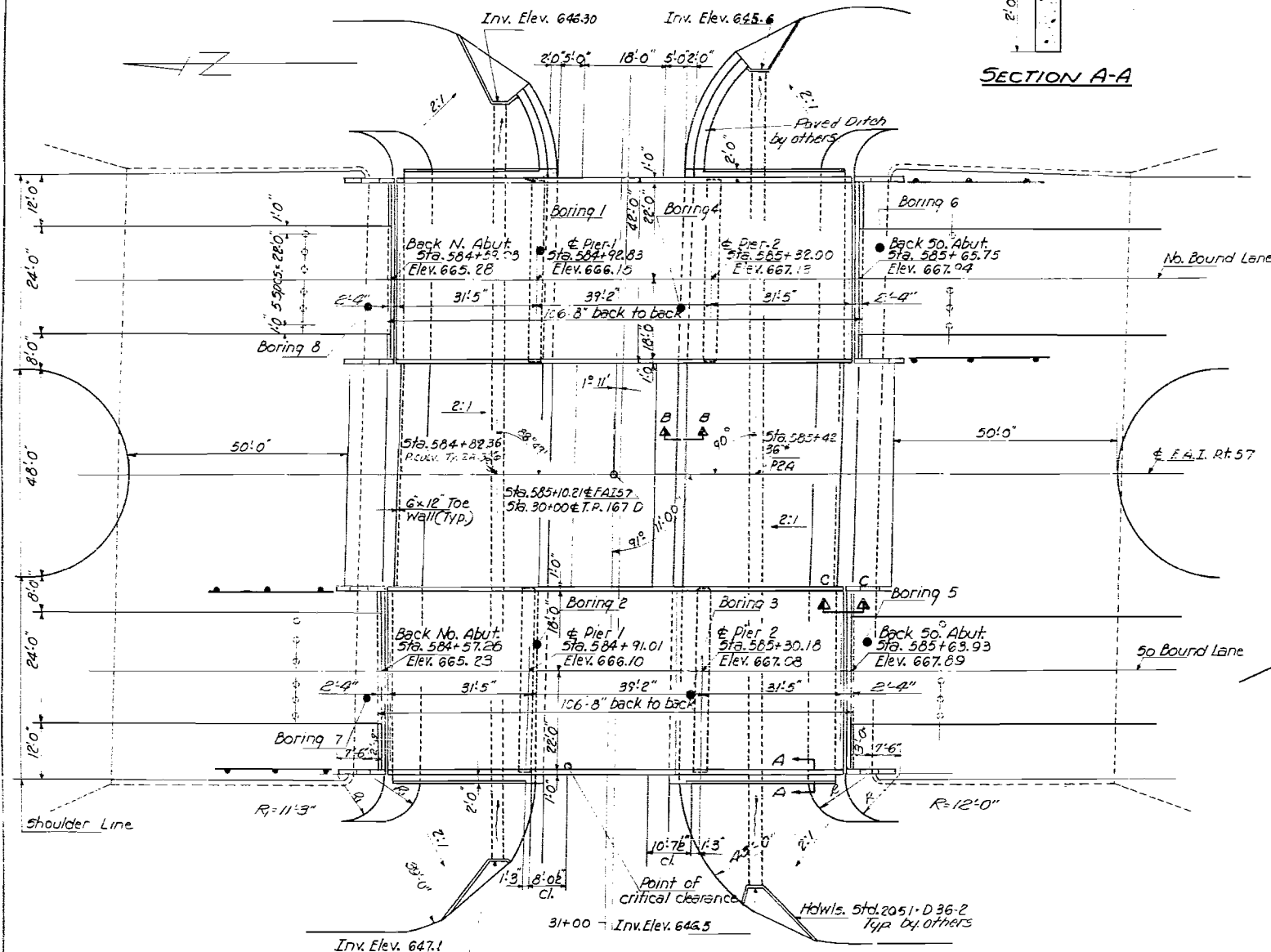
NAME PLATE
See Standard 2113-1



SECTION A-A

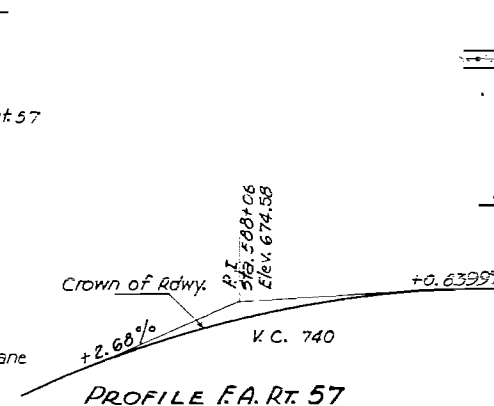


LOCATION PLAN

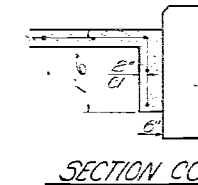


PLAN

Note: Piers & Existing Roadway are skewed 1° 11' 00"



PROFILE F.A.R.T. 57



SECTION CC

SECTION BB

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUBST.	SUBST.	TOTAL
* CLASS-A EXCAVATION FOR STRUCTURES	Cu.Yds.	350	350	
Class-X Concrete	Cu.Yds.	296.5	296.5	
Structural Steel	Lbs.	152,070	152,070	
Aluminum Handrail	Lin.Ft.	414	414	
Pipe Culverts Type 24, 36"	Lin.Ft.	554	554	
Reinforcement Bars	Lbs.	33,440	33,440	
Creosoted Piles	Lin.Ft.	384	384	
Concrete Piles	Lin.Ft.	1360	1360	
Test Piles (Concrete)	Each	2	2	
Name Plates	Each	2	2	
Slope Wall (2")	Sq.Yds.	1325	1325	
Protective Coat	Sq.Ft.	1110	1110	
* Bridge Seat Sealant	Lbs/50		5.3	

- * Applied to Abuts.
- ** CI A EXCOR. for Structures includes excor for slope roll.

GENERAL PLAN & ELEVATION

F.A.I. RT. 57 OVER Y.R. 167 D

PROJ. I-IG-57-6(46)285

F.A.I. RT. 57-5EC. 38-5-HB-1

IROQUOIS COUNTY

STATION 585+10.21

Loading H520-44 & ALT.

DESIGN STRESSES

fc - - - - 1400[#]/in² Super. & Sub.

VC - - - - 75 % " Ffqs.

fs - - - - 20000% Reinf.

$f_3 - - - - 20000 \text{ #/sq" Str}$

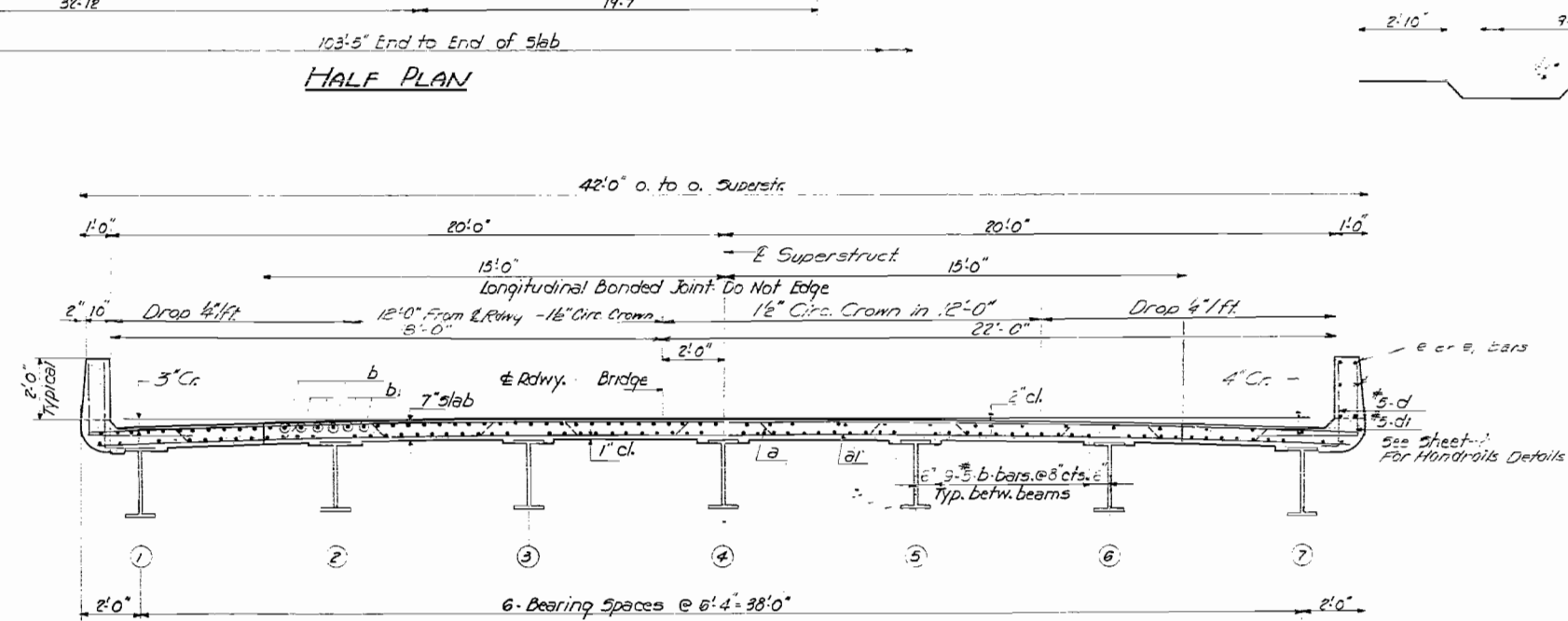
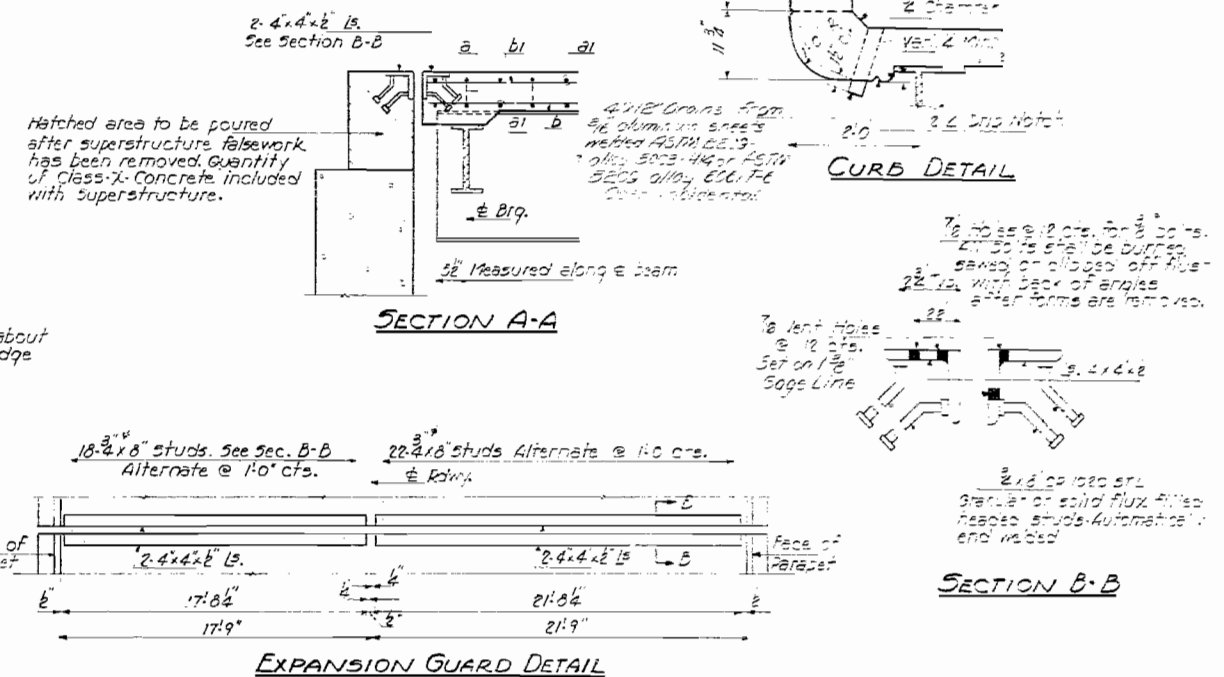
n - - - - 10
Max Footing Pressure -- 2.4 tons

Max footing Pressure -- c. 4 tons

DESIGNED	<i>P. J. Anderson</i>	APPROVED	<i>O. E. Stutz</i>
CHECKED	<i>Walter Perry</i>	PASSED	<i>H. L. Perry</i>
DRAWN	<i>M. Miller</i>	EXAMINED	<i>Carl Himmelfarb</i>
CHECKED	<i>W. J. P.</i>		

Rev. 11-14-66 A.H. Wingwalls straightened. In Total Bill of Material quantity of Class X Conc. in Subst. revised from 24 to 321.1 & Total from 549.3 to 558.0 Cu.Yds.
Reinf. Bars in Super revised from 34,770 to 62,040, Subst. from 29,560 to 30,440 & Total from 84,330 to 92,480#

ROUTE NO.	ACCT NO.	DATE	AMOUNT PAID	BALANCE	SHEET NO. 6
1	1	1	1	1	11 SHEETS
REQ. NO. 1	NO. 1	REQ. DATE			

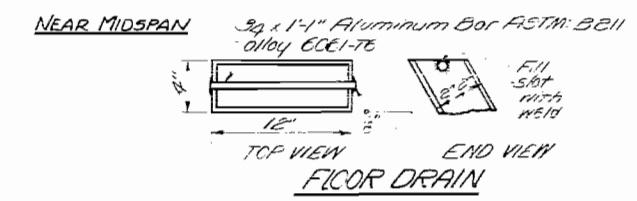
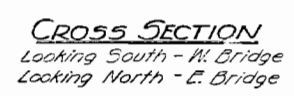


<u>BILL OF MATERIAL</u> <u>INC SUBSTRUCTURES</u>				
QTY	NO.	SIZE	LENGTH	SHAPE
5	301	#4	21'7"	-----
5	302	#4	21'0"	-----

5	303	#5	21'6"	-----
5	304	#6	10'6"	-----

1	416	#5	5'6"	-----
1	512	#5	5'0"	-----
1	56	#5	10'3"	-----
6	62	#5	19'4"	-----

Class 70 Concrete			CU. YDS. 36.9	
Reinforcement Bars			LBS. 82,340	
Structural Steel			LBS. 13,870	

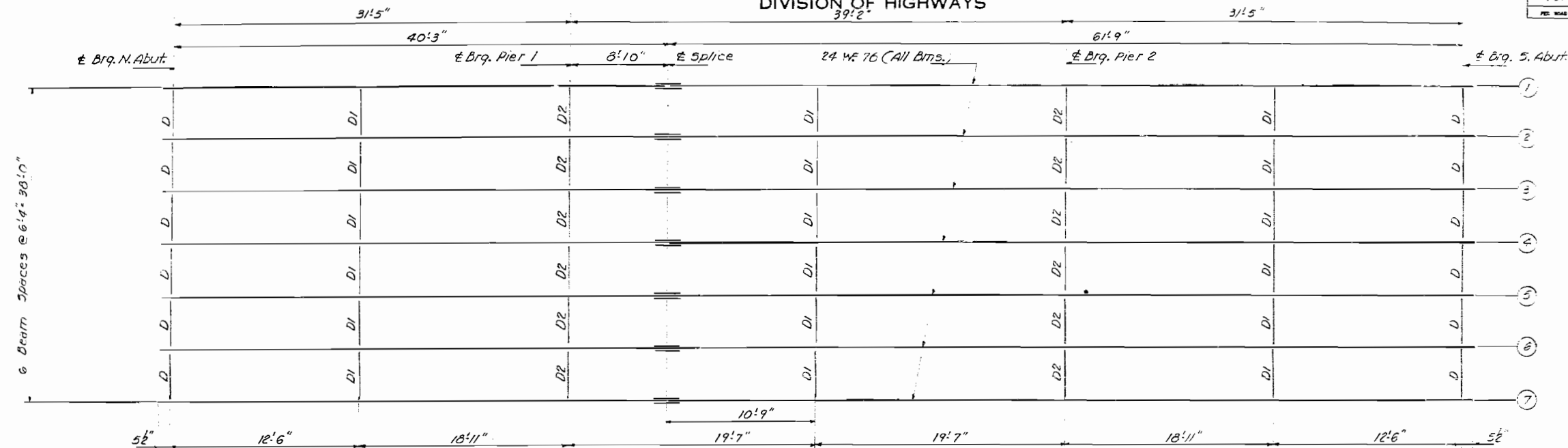


Note: Quantities of Reinforcement Bars and
Class V Concrete in projects are included
in the above Bill of Materials.

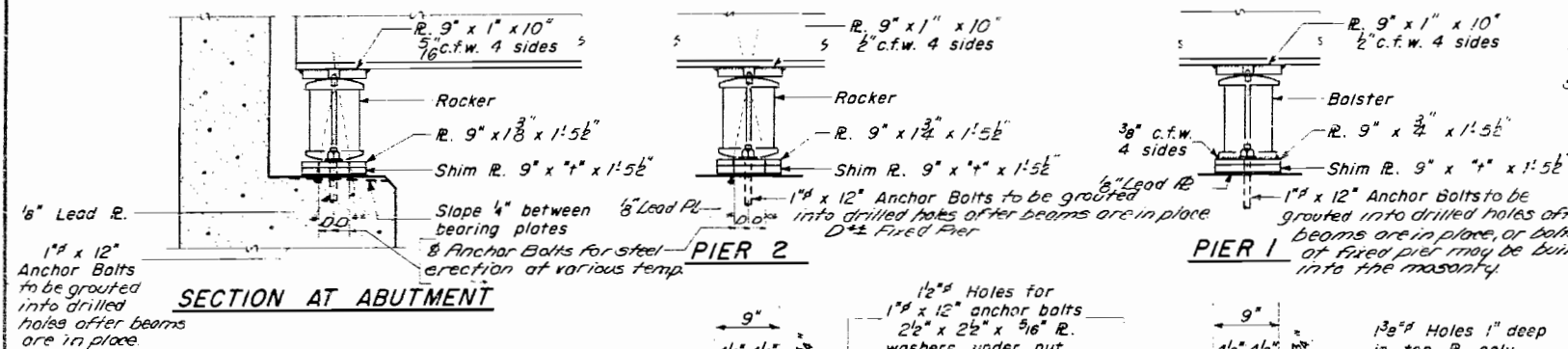
SUPERSTRUCTURE
F.A.I. R157-SEC. 38-5HB-1
IROQUOIS COUNTY
STATION 585+10.2!

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET
57	57-38-5	IROQUOIS	2	11
PROJECT NO.	ILLINOIS	PROJECT NO.		



STRUCTURAL STEEL LAYOUT



SECTION AT ABUTMENT

PIER 2

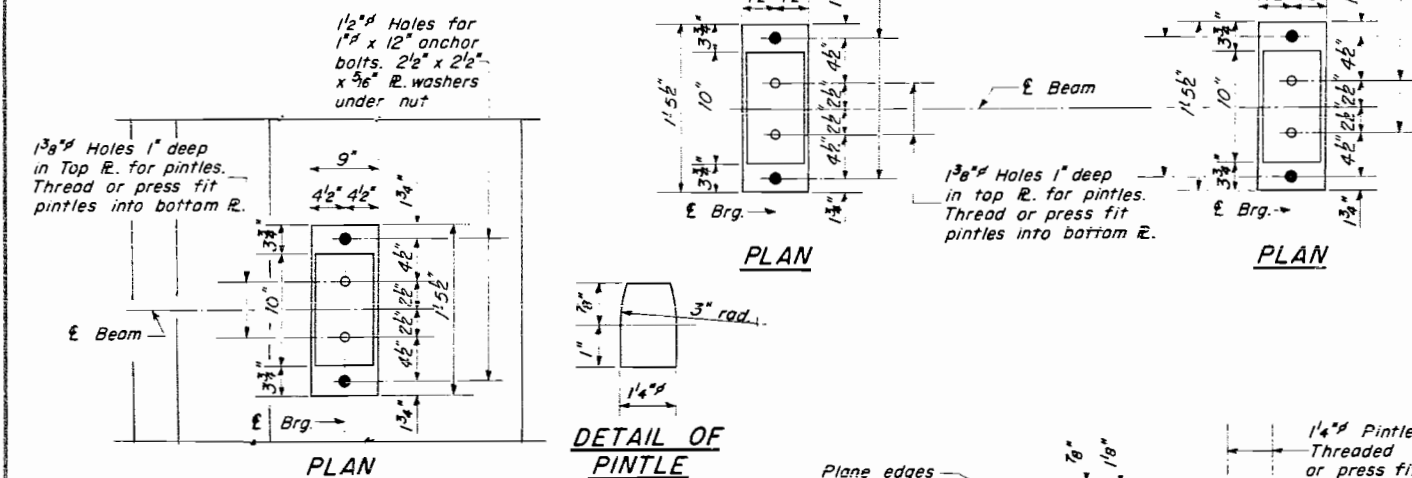
PIER 1

DIAPHRAGM D
24 Required

DIAPHRAGM D1&D2
26-D1 Required
24-D2

TABLE OF E DIMENSIONS

Location	1	2	3	4	5	6	7
N. Abut. E.B.							
Pier 1 E.B.							
Pier 2 E.B.							
S. Abut. E.B.							
N. Abut. W.B.							
Pier 1 W.B.							
Pier 2 W.B.							
S. Abut. W.B.							



PLAN

PLAN

DETAIL OF PINTLE

DETAIL OF ROCKER
AT PIER 2 & ABUTS.

DETAIL OF BOLSTER
AT PIER 1

DETAIL OF SPLICE

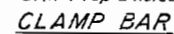
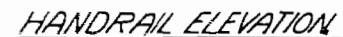
ELEVATION TOP OF WF

LOCATION	1	2	3	4	5	6	7
Brq. N. Abut. E.B.	664.44	664.57	664.69	664.75	664.74	664.65	664.55
Brq. Pier 1 E.B.	665.12	665.35	665.47	665.53	665.52	665.43	665.30
Splice E.B.	665.44	665.57	665.69	665.75	665.74	665.65	665.52
Brq. Pier 2 E.B.	666.20	666.33	666.45	666.5	666.50	666.41	666.28
Brq. S. Abut. E.B.	666.95	667.11	667.23	667.29	667.28	667.0	667.06
Brq. N. Abut. W.B.	667.43	667.61	667.70	667.71	667.65	667.53	667.40
Brq. Pier 1 W.B.	668.26	668.39	668.42	668.43	668.43	668.31	668.18
Splice W.B.	668.45	668.61	668.70	668.71	668.65	668.53	668.40
Brq. Pier 2 W.B.	669.21	669.34	669.43	669.44	669.39	669.26	669.13
Brq. S. Abut. W.B.	669.82	669.95	669.97	669.97	669.97	669.87	669.74

DESIGNED	A.P. Henderson	EXAMINED	A.P. Henderson	APRIL 19 1965
CHECKED	W.A. Sausman Jr.	PASSED	W.A. Sausman Jr.	
DRAWN	W.A. Sausman Jr.	APPROVED	W.A. Sausman Jr.	
CHECKED	W.A. Sausman Jr.			

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STATE R. 1. 57	12545 12546 12547	POCONO	60	10
FED. ROAD DIST. NO. 7	LAWRENCE - FILL AND PROTECT			

SHEET NO 10
// SHEETS



Provide 1- $\frac{1}{8}$ " and 2- $\frac{1}{16}$ " Aluminum Shims for 25% of the Posts. Rail element shall be parallel to Grade—high spots shall be ground, and low spots shimmed.

Item	Unit	Quantity
ALUMINUM HANDRAIL	LIN. FT.	414

ALUMINUM HANDRAIL
FAIRT57~SEC38-5-HB-1
IROQUOIS COUNTY
STATION 585+10.21

Seal perimeter of base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers -gun grade with primer.

Splice must be a sliding fit in Rail Section

SEC THRU SPLICE

DESIGNED	<i>A.P. Hendricks</i>
CHECKED	<i>A. Perry</i> <i>R.F.</i>
DRAWN	<i>Wm. M. Best</i>
CHECKED	<i>A.P.</i>

APRIL 19 1965

EXAMINED *Carl Hummel*
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED *H. J. Nelson*
ENGINEER OF DESIGN

APPROVED *J. E. Smith*

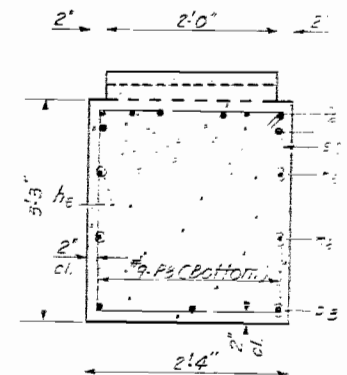
R-17 Dwn 5-28-64 Rev. 1-20-65
Rev. 11-14-66 Standard updated

Legend
W - West
E - East
EB - East Bridge
WB - West Bridge

ROUTE NO.	SECTION	DATE	TITLE	SHEET NO.
157	35-5-5 36-5-5 37-5-5	1-10-55	1	2
FED. ROAD DIST. NO. 1				

Hand-drawn plan view of a bridge deck. The deck is 38'0" wide along the centerline (Brq.). It features 6 bearing spaces, each 6'4" wide. Key dimensions include a total width of 5'2" for the left section, a 6'4" bearing space, and a 2'0" dimension for the right section. The deck is symmetrical about the centerline (Brq.), except for a 1'2" skew. The deck is 2'4" high, with 1'2" sections on the left and right. The deck is labeled "Dim. A See Table" and "Dim. B See Table". The centerline is labeled "Brq." and "Rdwy.". The right section is labeled "Pier" and "5'3"". The right section is labeled "Dim. B" and "2'0"". The right section is labeled "Brq. 7" and "2'0"".

Note:
Space reinforcement in cap to
miss anchor bolts.
Min. bar laps = 20 dia. unless
otherwise noted.
All edges shall have standard
3/4" chamfers except as noted.
Pour steps monolithically with cap.

[illegible]

2-PIERS
BILL OF MATERIAL

Bar	No.	Size	Length	Grade
n ₂	16	#5	21'-6"	---
n ₃	26	#4	22'-6"	---
n ₄	4	#9	23'-3"	---
-1	60	#6	5'-0"	---
22	16	#9	21'-6"	---
23	6	#7	22'-6"	---
24	8	#6	5'-0"	---
32	56	#4	6'-2"	---
33	56	#4	5'-10"	---
34	128	#4	6'-6"	---
35	28	#4	7'-10"	---
36	29	#5	7'-6"	---
37	29	#5	13'-6"	---
38	52	#5	10'-6"	---
+	30	#5	6'-5"	---
f ₁	30	#5	4'-9"	---
u ₁	12	#6	8'-11"	---
v6	30	#6	12'-9"	---
v7	30	#6	11'-6"	---
w	24	#5	15'-6"	---
Class X Concrete			Cu. Yds.	83.9
Reinforcement Bars			Lbs.	3270

EAST BRIDGE
PIERS 1&2
I. RT. 57- SEC. 38-5 HB-1
IROQUOIS COUNTY
STATION 585+10.21

Max. Ftg Pressure 2.4 Tons/sq.ft

P-5 7-2-62

FOOTING PLAN

ROUTE NO.	SECTION	COUNTY	TOTAL MILES	POST M.	SHEET NO.
157	12-5-8-5 13-5-5-5 14-5-5-5	IROQUOIS	64	3	158
FED. ROAD DIST. NO. 7		U.S. NO. 7 FED. AID PROJECT			

Beam	1	2	3	4	5	6	7
Dim. A	44"	25"	18"	2"	26"	38"	54"

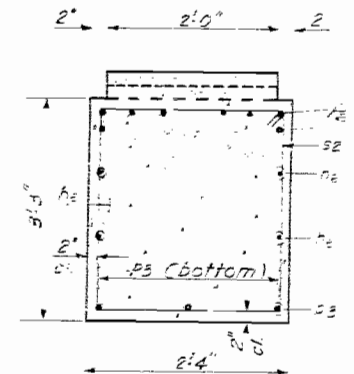
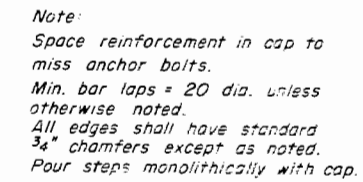
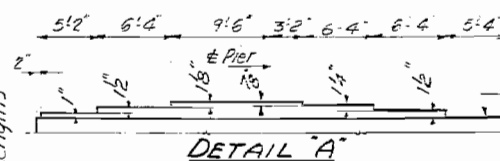


Diagram showing a rectangular structure with dimensions and labels:

- Top horizontal dimension: $2''$ CL
- Right vertical dimension: $2''$ CL
- Bottom horizontal dimension: $2''$ CL
- Left vertical dimension: $2''$ CL
- Internal horizontal dimension: $2''$ CL
- Internal vertical dimension: $2''$ CL
- Labels: V , 5 , 17 , 5 , 17 , 5 , 17

BILL OF MATERIAL

Note: for details of bars
52, 53, 54, 55, 56, 57, 58 & 61;
see sheet 6



At Bottom Elev. Pier 1 = 662.06
Pier 2 = 662.95

Max. Ftg. Pressure 2.4 Tons/sq. ft.

DESIGNED	<i>AP Henderson</i>
CHECKED	
DRAWN	<i>W. A. Sausaman Jr.</i>
CHECKED	

APR 13 1965

EXAMINED *W. E. Thurnwald*
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED *W. E. Thurnwald*
ENGINEER OF DESIGN

APPROVED *J. E. Smith*

P-5 7 - 2 - 62

DEFGAN NO 138 (SUPER) 2.