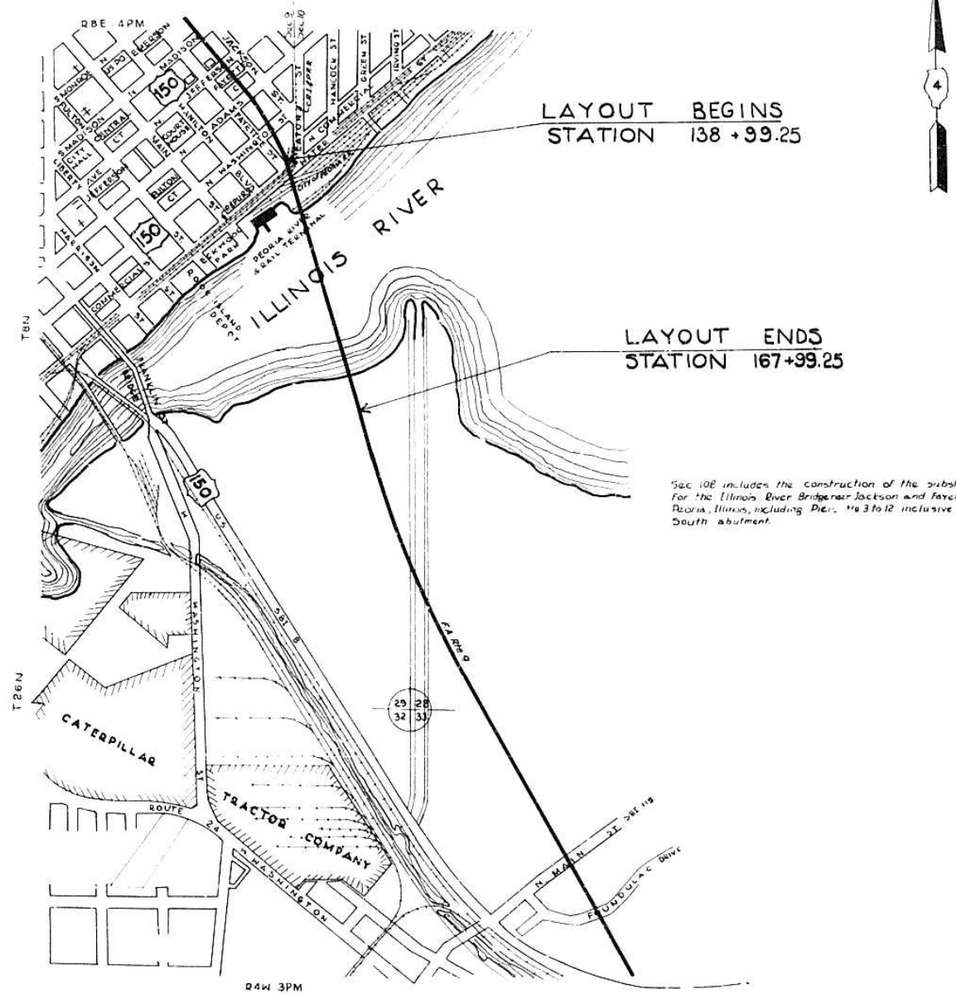
FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
9	10B	PEORIA & TAZEWELL	15	1
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT	UI 48(7)	

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

SCALES

PLAN	1 INCH	120 FT.
PROFILE HOR.	1 INCH	120 FT.
PROFILE VERT.	1 INCH	20 FT.
SHEETS 2 TO 8	3/16 INCH	1 FT.
SHEETS 9 TO 11	1/4 INCH	1 FT.

F.A. ROUTE 9 - SECTION 10B PEORIA & TAZEWELL COUNTIES
PROJECT UI-48(7)



Sec 10E includes the construction of the substructure for the Illinois River Bridge near Jackson and Fayette Sts. Peoria, Illinois, including Pier. Nos 3 to 12 inclusive and South abutment.

LAYOUT
SCALE 1" = 800'

LOCATION OF SECTION INDICATED THUS:—

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

SUBMITTED July 1 1954
J.D. Mathison
DISTRICT ENGINEER

EXAMINED July 15 1954
ENGINEER OF BUREAU OF PLANS AND CONTRACTS

PASSED July 15 1954
ENGINEER OF DESIGN

APPROVED July 15 1954
B.B. Bartelmayer
CHIEF HIGHWAY ENGINEER

APPROVED July 15 1954
DIRECTOR

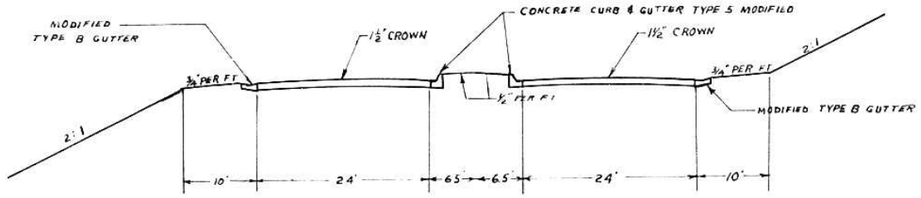
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED

DISTRICT ENGINEER DATE

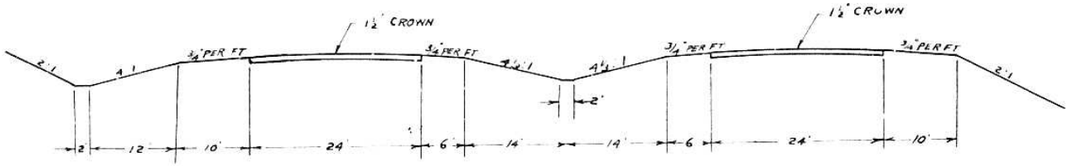
REV. 7-13-54 AF

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 9/10	10-B-1	PEORIA & TAZEWELL	15	2
STA				
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



TYPICAL CROSS SECTION
FOR URBAN AREA STA 106+45 TO STA 131+13

SCALE: 1"=10'



TYPICAL CROSS SECTION
FOR RURAL AREA BEGINNING AT STA 200+30

SCALE 1"=10'

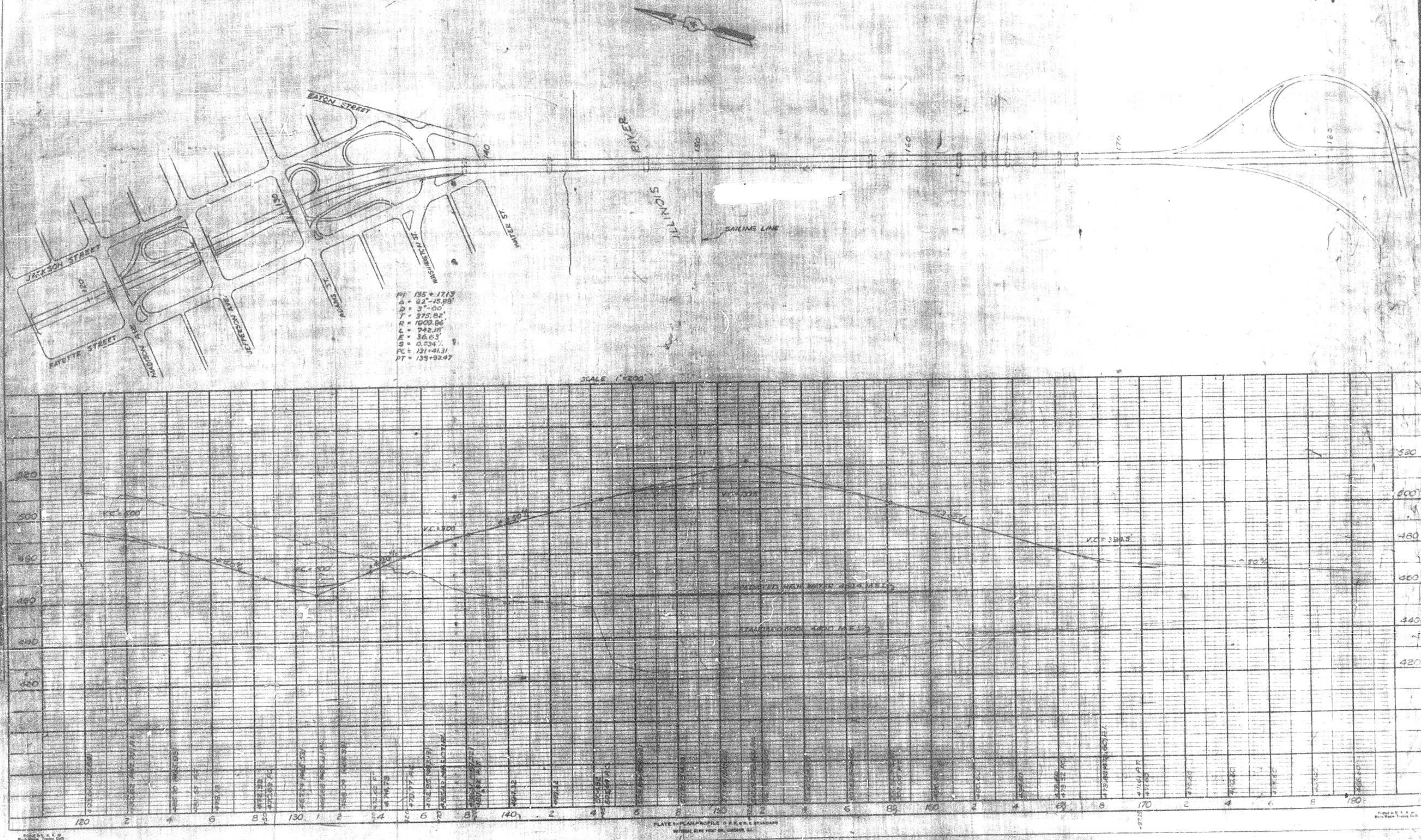
NOTE:
TRANSITION FROM 13' MEDIAN AT STA 131+18
TO 4' MEDIAN AT STA 138+85
4' MEDIAN FROM STA 138+85 TO STA 172+79
TRANSITION FROM 4' MEDIAN AT STA 172+79
TO 40' MEDIAN AT STA 200+30

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.9	10-B	PEORIA	15	2
FED. ROAD DIST. 7	ILLINOIS	PROJECT	01-4(8)(7)	

10,807	cu.yds.	Class A Concrete
514	cu.yds.	Class A Concrete
451	cu.yds.	Seal Coat Concrete
1,135,140	lbs.	Reinforcement Bars
11,154	lin.ft.	Furnishing Steel Piles
11,154	lin.ft.	Driving Steel Piles
6	each	Test Piles
1,921	cu.yds.	Class A Excavation for Structures
12,743	cu.yds.	Class B Excavation for Structures
1,082	cu.yds.	Rock Excavation for Structures
2	each	Clearance Gauges
1	each	Cofferdam (Pier 4)
2	each	Cofferdam (Pier 5 and 6)
1	each	Cofferdam (Pier 7)
1	each	Cofferdam (Pier 8)
1	each	Cofferdam (Pier 9)
1	each	Cofferdam (Pier 10)

INDEX OF SHEETS

Bond Issue Route No.	Section	County	Total Sheets	Sheet No.
FA 4	10B	Peoria &	15	3
FAI 65	10E	Tazewell	54	
Sta. 120+00		To Sta. 180+00		
Fed. Road Dist. No. 1	Illinois	Fed. Aid Project— U.I. [illegible]		



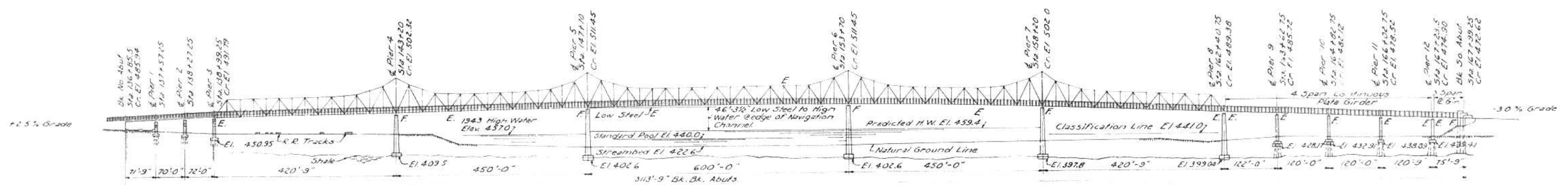
B.M. Concrete Monument ℄ Sta. 164+31.12 Elev. 440.87
B.M. Iron rod at Southwest corner Fayette and Washington Streets, Peoria. Elev. 474.47

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

F.A. Route No.	Section	County	Total Sheets	Sheet No.
9	10 B	PEORIA TAZEWELL	15	4

Fed. Road Dist. No. 7 — Illinois — Fed. Aid Project UI 48(7)

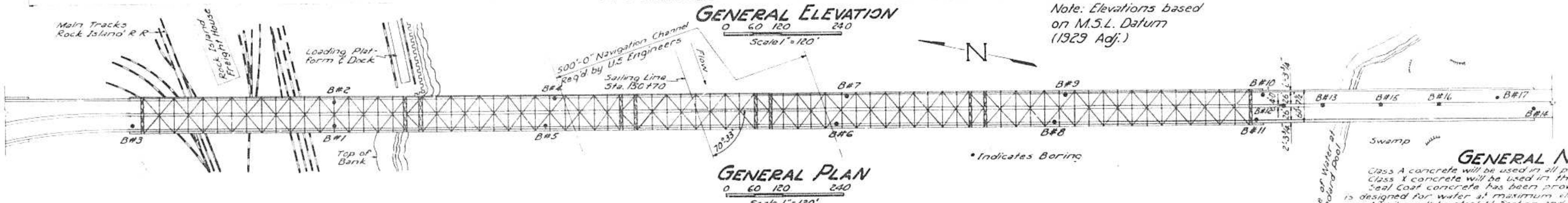
SHEETS 7 – 11 SHEET



GENERAL ELEVATION

Scale 1" = 120'

Note: Elevations based on M.S.L. Datum (1929 Adj.)



GENERAL PLAN

Scale 1" = 120'

GENERAL NOTES

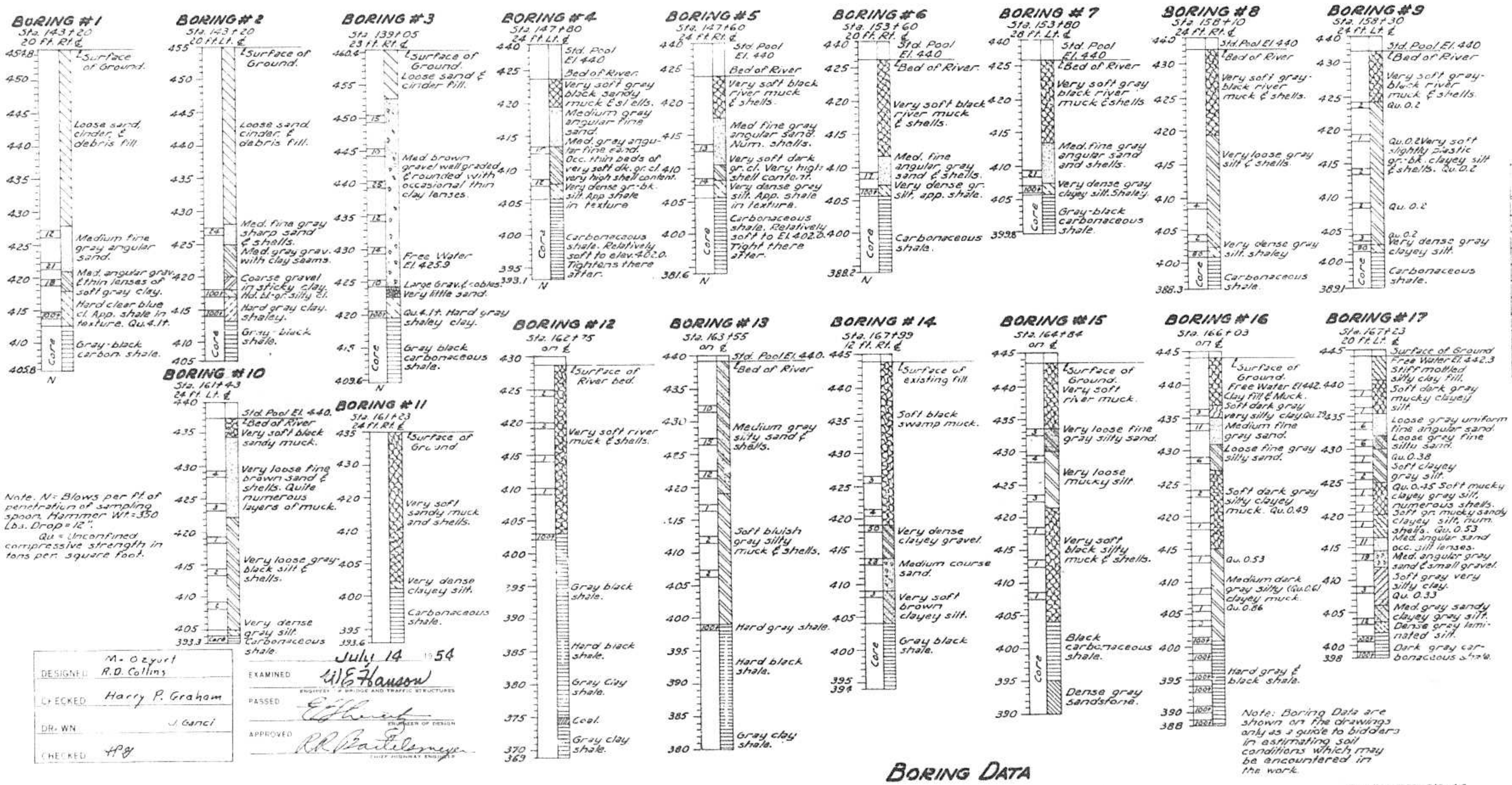
Class A concrete will be used in all piers.

Class X concrete will be used in the abutment.

Seal Coat concrete has been provided for Piers 9 & 10 and is designed for water at maximum elevation of 450.0.

All piles will be steel H Section and should be driven to shale where possible.

One test pile has been provided for each location at which piling is to be driven. The Contractor shall drive the test pile in a permanent location before ordering the remainder of piles for that pier or abutment.



BORING DATA

TOTAL BILL OF MATERIAL SECTION 10B

ITEM		LOCATION										
		Pier 3	Pier 4	Pier 5 & 6	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11	Pier 12	So. Abut.	Total
Class "A" Concrete	Cu. Yd.	516	1455	4357	1800	1379	395	374	281	250		10807
Class "X" Concrete	Cu. Yd.										53.4	53.4
Seal Coat Concrete	Cu. Yd.						215	236				451
Reinforcement Bars	Lbs.	38240	160990	459550	204800	130170	38660	45980	28310	24940	*500	1135140
Steel Piles	Lin. Ft.	2550					2240	2520	1400	1240	1204	11154
Test Piles	Each	1					1	1	1	1	1	6
Class "A" Excav. for Str.	Cu. Yd.	405	1250					108	76	82		1921
Class "B" Excav. for Str.	Cu. Yd.		2530	4040	3050	2330	349	345	57	42		12743
Rock Excav. for Str.	Cu. Yd.		222	453	242	165						1082
Cofferdams	Each		1	2	1	1	1	1				
Clearance Gauges	Each			2								2

DESIGN STRESSES

fc = 800 p.s.i.
fs = 20000 p.s.i.
n = 10
Max. pile load 6000 p.s.i.

Loading H20-S16-44

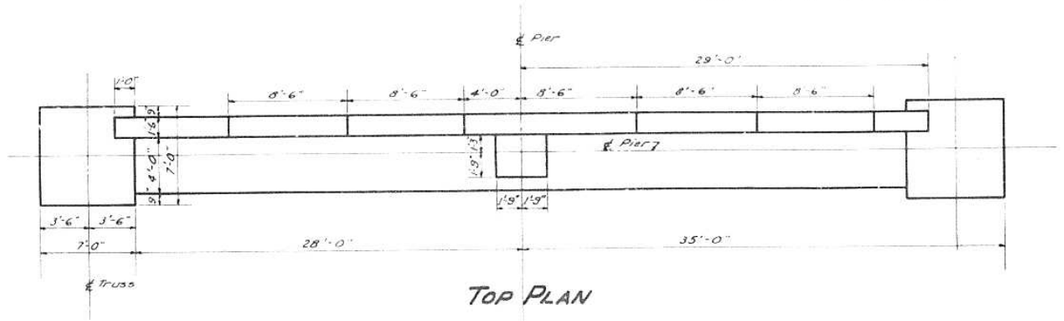
DESIGNED	M. Ozyurt, R.D. Collins
CHECKED	Harry P. Graham
DRAWN	J. Ganci
CHECKED	HPG

July 14 1954

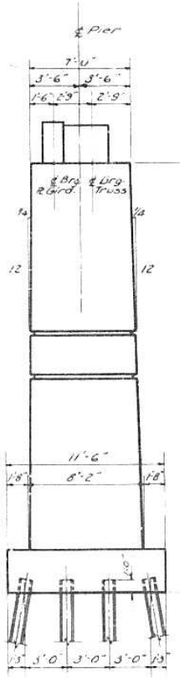
EXAMINED W.E. Hanson — Engineer of Bridge and Traffic Structures
PASSED [signature] — Engineer of Design
APPROVED R.R. Bartelsmeyer — Chief Highway Engineer

GENERAL PLAN & ELEVATION
PROJECT UI-48(7)
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON-FAYETTE STREETS
F.A. ROUTE 9 SECTION 10B-
PEORIA-TAZEWELL COUNTIES

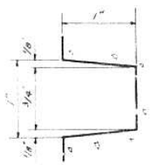
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



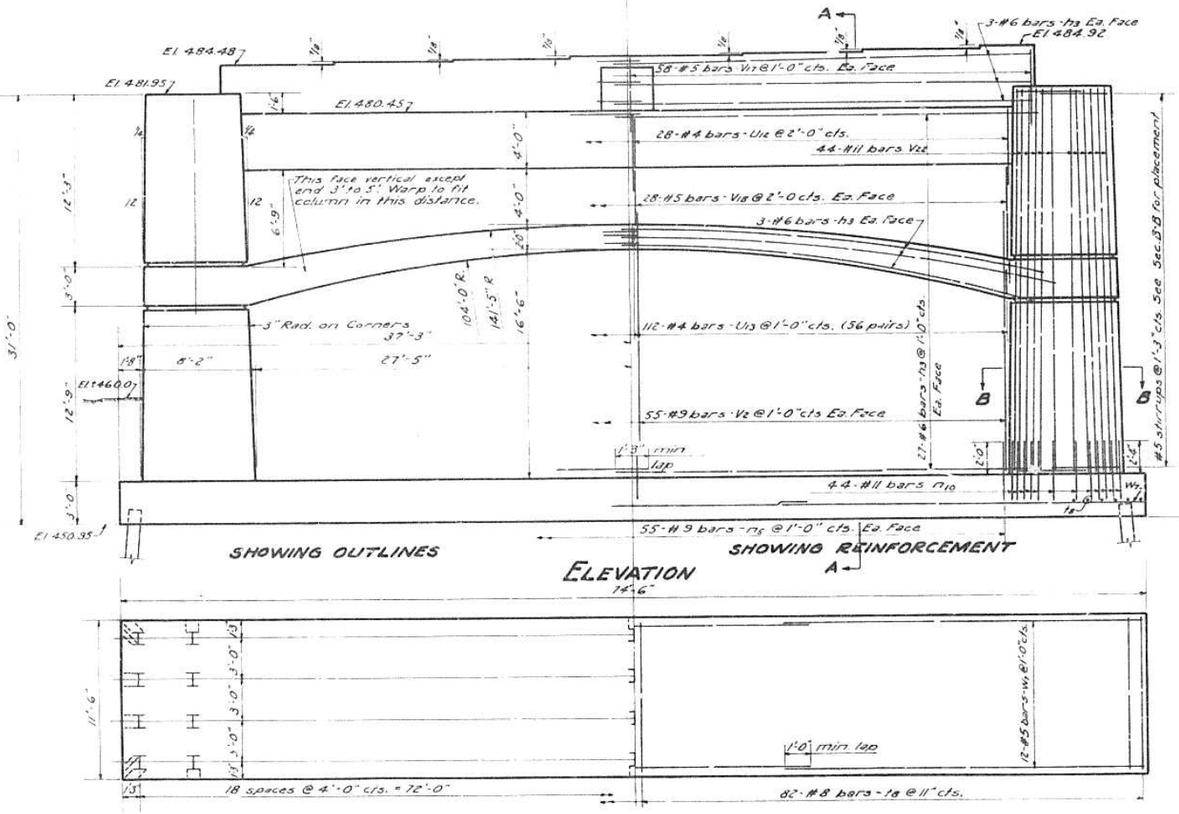
TOP PLAN



END VIEW



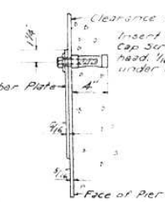
DETAIL OF NOTCH



FOOTING PLAN

All outside piles to be battered 2 in 12. Corner piles to be battered in two directions.

PILE DATA
10" B.P. 42#
76 Required
Est. Length 34'
Min Cap 35 Tons



METHOD FOR ANCHORING CLEARANCE PL. TO PIER

NOTES

All material for clearance gauges except inserts, and as otherwise noted, shall be wrought iron ASTM designation A42-47 See Special Provisions for alternate material.

All metal in contact with concrete shall not be painted. Exterior surfaces to be thoroughly cleaned and painted as directed in the Special Provisions.

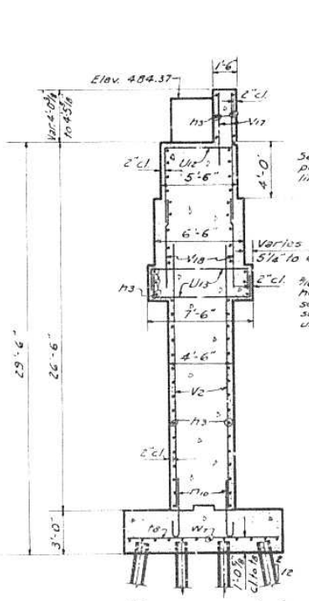
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 9	10 B	PEORIA TAZEWELL	15	SHEETS NO. 2 TO 11 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT 137-(8A)T		

DETAIL OF NUMBERS

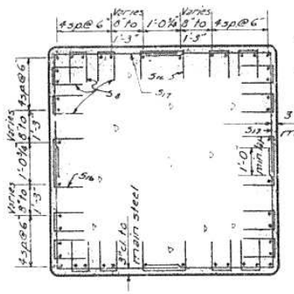
BILL OF MATERIAL PIER 3

BAR	NO.	SIZE	LENGTH	SHAPE
h3	66	#6	30'-0	
n5	110	#9	5'-3"	
n10	88	#11	5'-11"	
s8	736	#5	2'-9"	
s16	184	#5	3'-4"	
s17	184	#5	8'-8"	
t8	82	#8	11'-3"	
U12	28	#4	15'-0"	
U13	112	#4	10'-6"	
V2	110	#9	20'-0"	
V17	116	#5	5'-0"	
V18	56	#5	9'-9"	
V11	88	#11	27'-9"	
W1	36	#5	25'-6"	

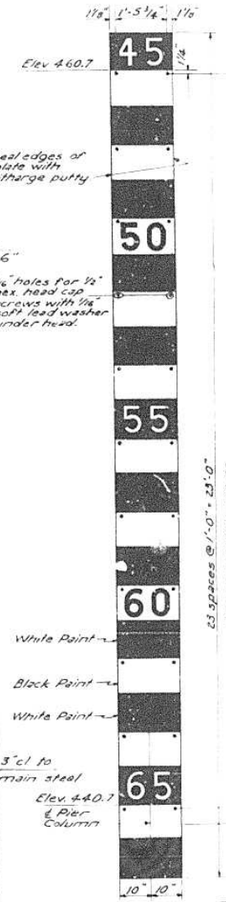
Class "A" Concrete	Cu Yds.	516
Reinforcement Bars	Lbs.	38240
Class "A" Excav. for Struct.	Cu Yds	405
Steel Piles (10 B.P. 42#)	Lin Ft.	2550
Test Piles	Each	One



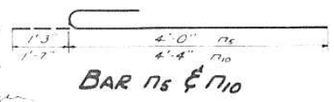
SECTION A-A



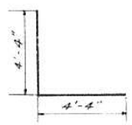
SECTION B-B



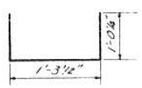
CLEARANCE GAUGE



BAR n5 & n10

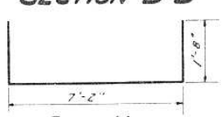


BAR S17

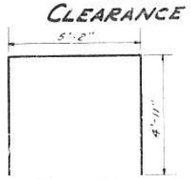


BAR S16

BAR S8



BAR U13



BAR U12

DESIGNED	Instruction Copy
CHECKED	Harry P. Graham
DRAWN	W. J. Ganci
CHECKED	M.C. HPG

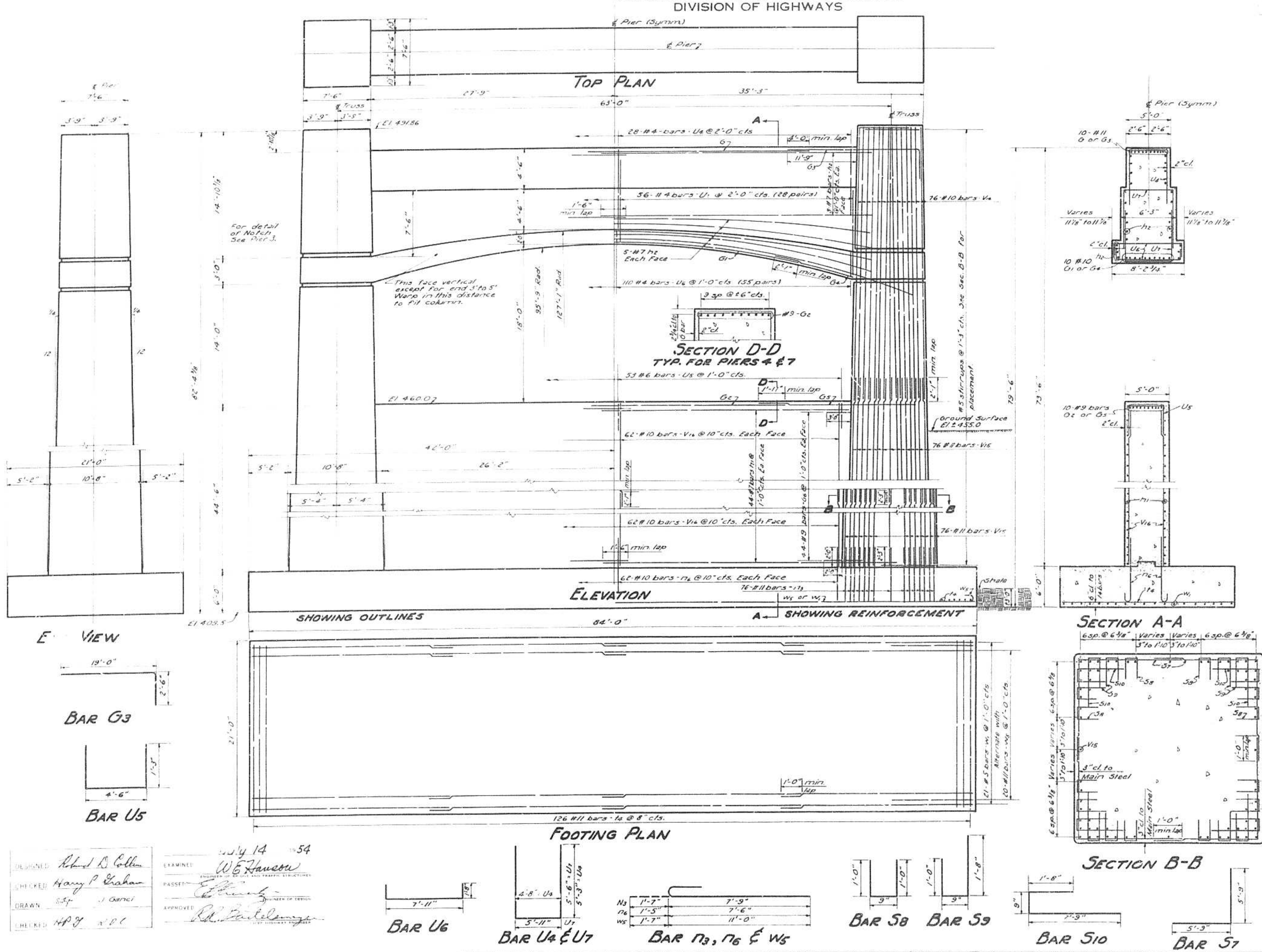
EXAMINED July 14 54
W.E. Hanson
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

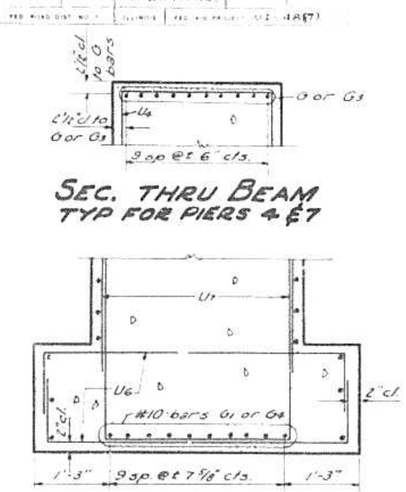
PIER NO. 3
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON-FAYETTE STREETS
F.A. ROUTE 9 SECTION 10B-
PEORIA-TAZEWELL COUNTIES

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

9	10B	PEORIA TAZEWELL	15	6	11

FED. AID PROJECT UI-48(7)





SEC. THRU BEAM
TYP FOR PIERS 4 & 7

BILL OF MATERIAL - PIER 4

BAR	NO	SIZE	LENGTH	SHAPE
G	10	#11	40'-0"	straight
G1	10	#10	40'-0"	straight
G2	10	#9	40'-0"	straight
G3	20	#11	21'-6"	bent
G4	20	#10	14'-0"	straight
G5	20	#9	14'-0"	straight
G6	176	#9	5'-0"	straight
h1	176	#7	26'-9"	straight
h2	52	#7	30'-0"	straight
n3	152	#11	9'-4"	hooked
n6	124	#10	8'-11"	hooked
S7	488	#5	11'-6"	L
S8	976	#5	2'-9"	U
S9	976	#5	3'-5"	U
S10	976	#5	5'-2"	U
t4	126	#11	20'-8"	straight
U4	28	#4	15'-2"	U
U5	53	#6	7'-0"	U
U6	110	#4	11'-3"	U
U7	56	#4	16'-11"	U
V14	152	#10	30'-6"	straight
V15	304	#11	25'-0"	straight
V16	248	#10	23'-3"	straight
W1	84	#5	21'-8"	straight
W5	40	#11	12'-7"	hooked

Class "A" Concrete	Cu. Yds.	1455.3
Reinforcement Bars	Lbs.	160,990
Rock Excav. for Struct.	Cu. Yds.	222
Class "A" Excav. for Struct.	Cu. Yds.	1250
Class "B" Excav. for Struct.	Cu. Yds.	2530
Cofferdams	Each	One

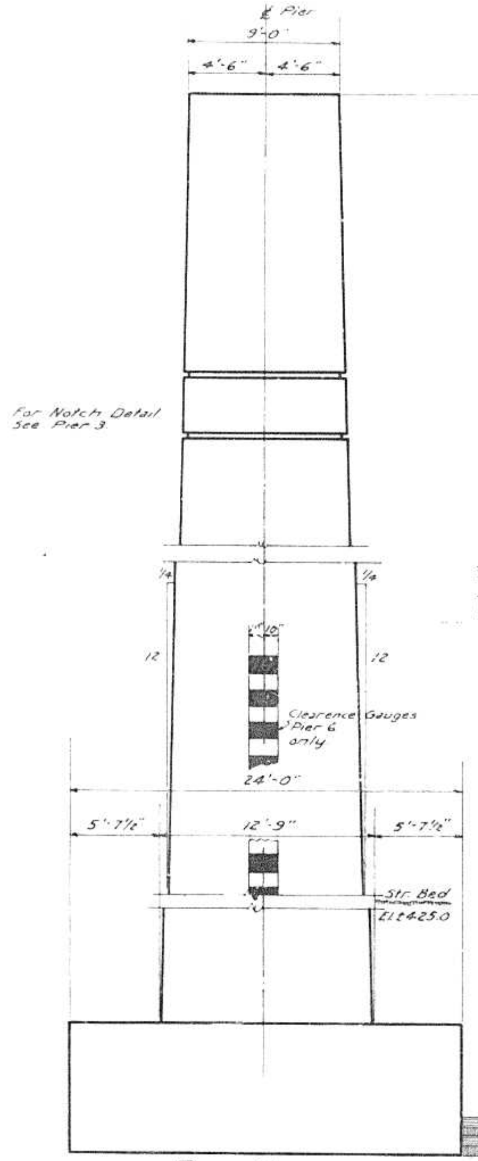
NOTE: Class A & Class B Excavation for Structures are computed as 3' beyond edges of footing.

PIER NO. 4
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON - FAYETTE STREETS
F. A. ROUTE 9 SECTION 10B-
PEORIA TAZEWELL COUNTIES

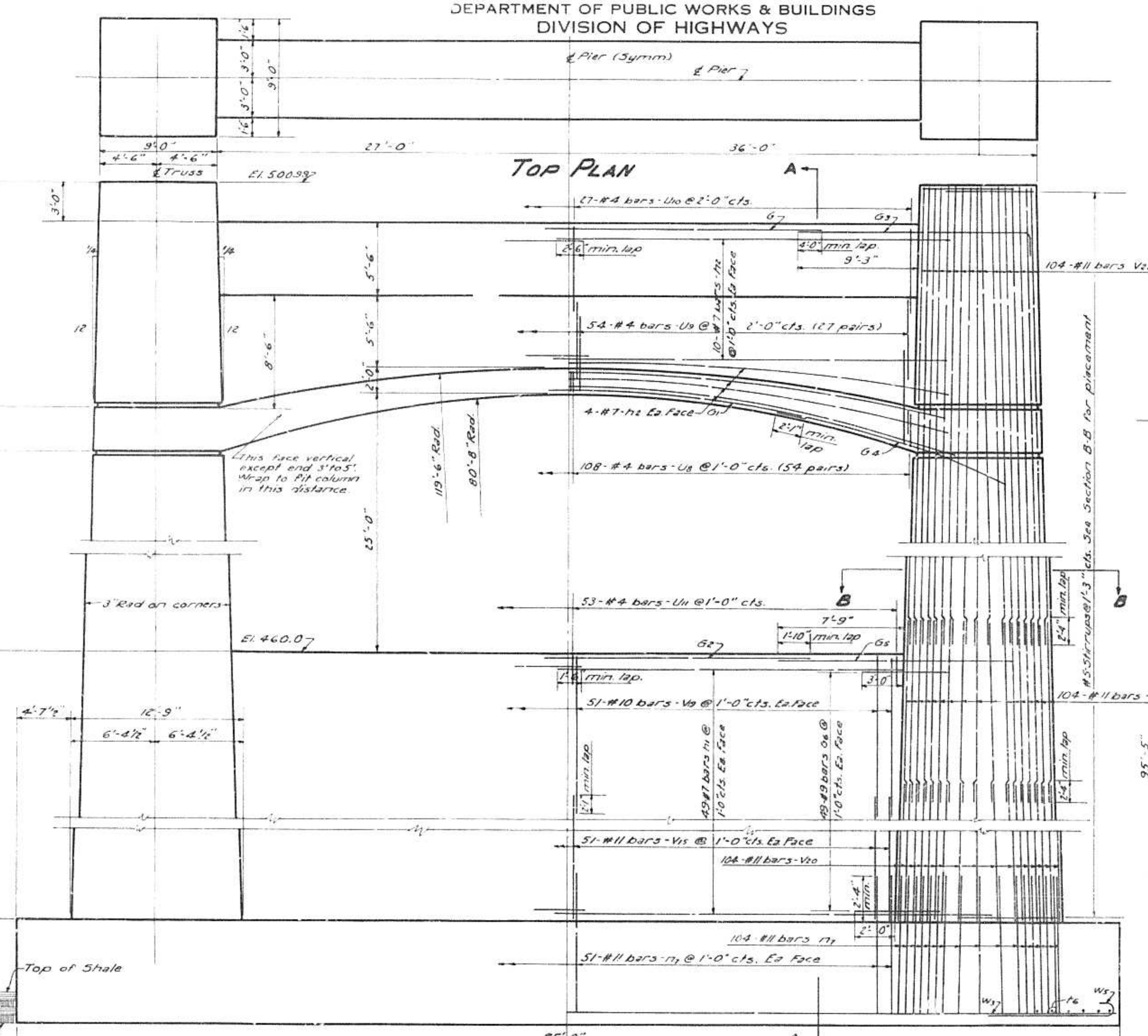
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 9	10 B	PEORIA TAZEWELL	15	7

SHEET NO. 4
11 SHEETS

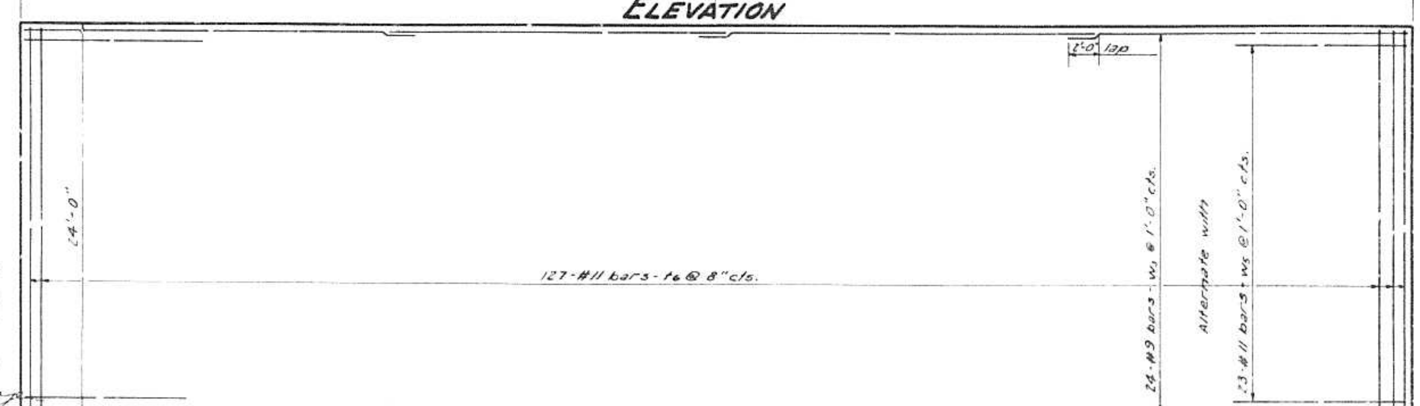


END VIEW

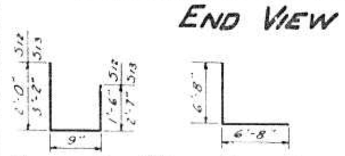


TOP PLAN

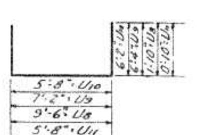
ELEVATION



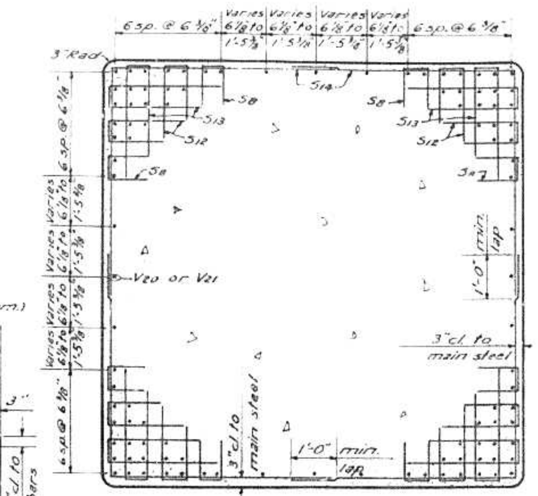
FOOTING PLAN



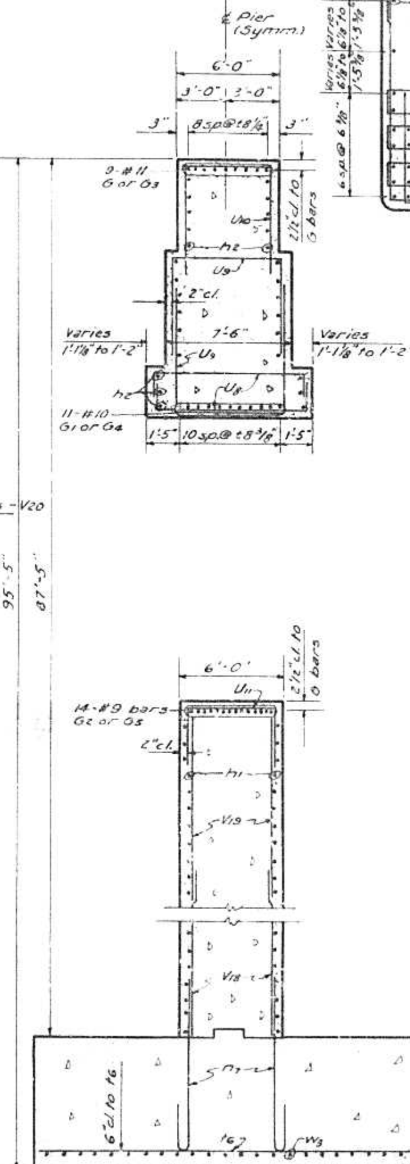
BARS S12 & S13 BAR S14



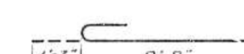
BARS U8, U9, U10 & U11



SECTION B-B



SECTION A-A



BAR n_7

BILL OF MATERIAL PIERS 5 & 6

BAR	NO.	SIZE	LENGTH	SHAPE
G	18	#11	40'-0"	
G1	22	#10	40'-0"	
G2	28	#9	40'-0"	
G3	36	#11	21'-6"	
G4	44	#10	14'-0"	
G5	56	#9	14'-0"	
G6	392	#9	5'-0"	
h1	392	#7	26'-9"	
h2	112	#7	30'-0"	
n7	620	#11	11'-4"	
S8	2336	#5	2'-9"	
S12	2336	#5	4'-3"	
S13	2336	#5	6'-6"	
S14	1168	#5	13'-4"	
t6	254	#11	23'-9"	
U8	216	#4	13'-2"	
U9	108	#4	19'-10"	
U10	54	#4	18'-0"	
U11	106	#4	7'-4"	
V15	204	#11	25'-0"	
V19	204	#10	26'-0"	
V20	832	#11	28'-0"	
V21	416	#11	39'-0"	
W3	192	#9	22'-6"	
W5	92	#7	12'-7"	
Class "A" Concrete Cu. Yd.				4357.0
Reinforcement Bars Lbs.				459550
Rock Excav. for Struct. Cu. Yd.				453
Class "B" Excav. for Struct. Cu. Yd.				4040
Cofferdams Each				2
Clearence Gauges Each				2

Note:
Class "B" Excavation for Structures is computed as 3' beyond edge of footing.

DESIGNED	McMullen Ozment
CHECKED	Harry P. Graham
DRAWN	J. Gonet
CHECKED	H.P.G. M.O.

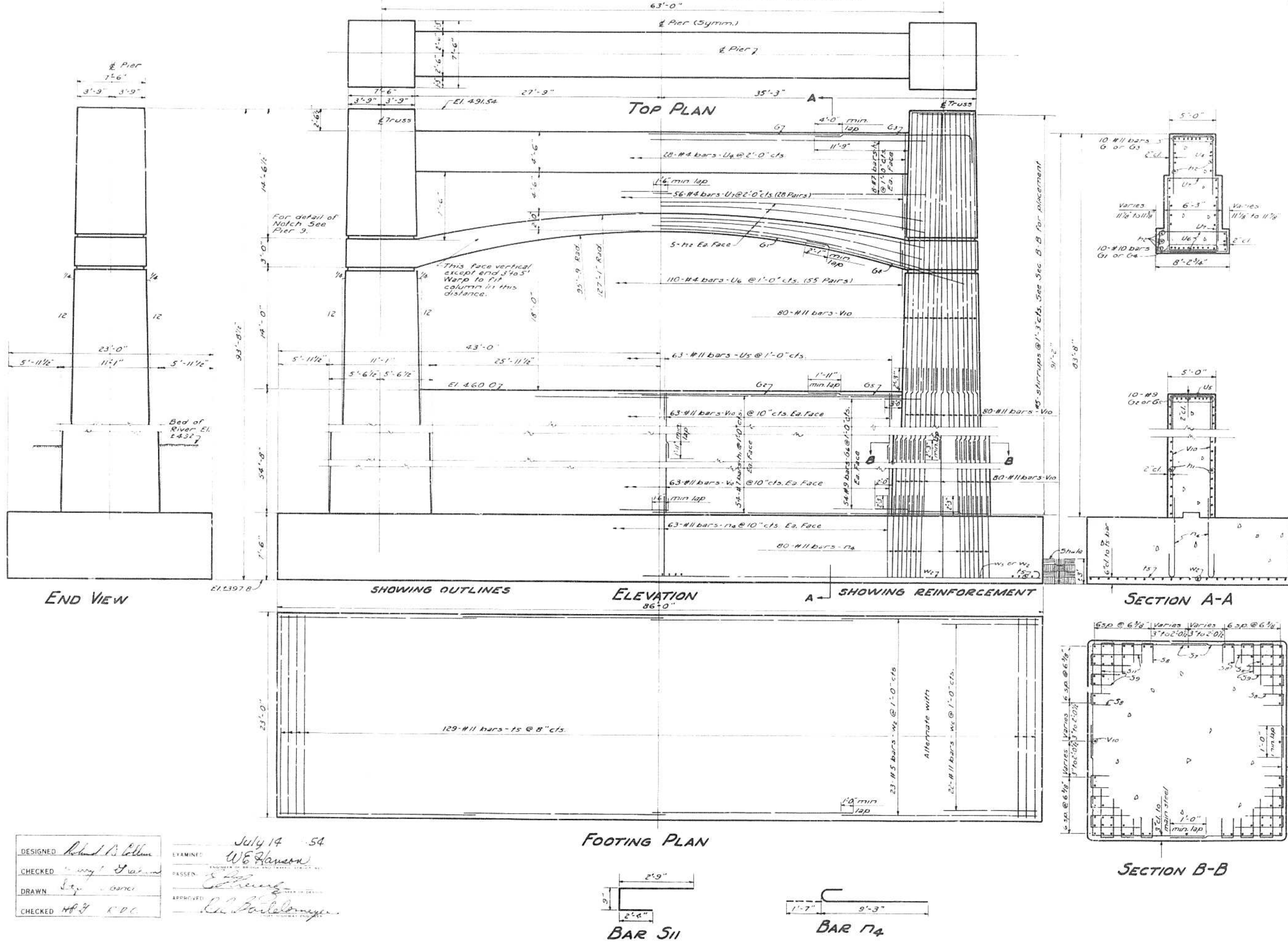
July 14 '54
EXAMINED W. E. Hanson, ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED E. Hardy, ENGINEER OF DESIGN
APPROVED R. R. Bartelsmeyer, CHIEF HIGHWAY ENGINEER

PIERS NO. 5 & 6
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON - FAYETTE STREETS
F. A. ROUTE 9 SECTION 10B-
PEORIA-TAZEWELL COUNTIES

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 9	10 B	PEORIA TAZEWELL	15	8
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT I-I 12-H 77	

SHEET NO. 11 SHEETS



Bill of Material - Pier 7

Bar	No	Size	Length	Shape
G	10	#11	40'-0"	
G1	10	#10	40'-0"	
G2	10	#9	40'-0"	
G3	20	#11	21'-6"	
G4	20	#10	14'-0"	
G5	20	#9	14'-0"	
G6	216	#3	5'-0	
h1	216	#7	26'-9"	
h2	52	#7	30'-0"	
n4	286	#11	10'-10"	
S7	552	#5	11'-6"	
S8	1104	#5	2'-9"	
S9	1104	#5	3'-5"	
S11	1104	#5	5'-10"	
t5	129	#11	22'-8"	
U4	28	#4	15'-2"	
U5	53	#6	7'-0"	
U6	110	#4	11'-3"	
U7	56	#4	16'-11"	
V10	732	#11	30'-0"	
W2	92	#5	22'-3"	
W5	4?	#11	12'-7"	

Class "A" Concrete	Cu. Yds.	1800
Reinforcement Bars	Lbs.	204,800
Class "B" Excav. for Struct.	Cu. Yds.	3050
Rock Excav. for Struct.	Cu. Yds.	242
Cofferdams	Each	One

For detail of bars - G3, S7, S8, S9, U4, U5, U6, U7 & W5 See Pier 4.
Note: Class B Excavation for Structures is computed as 3' beyond edges of footing.

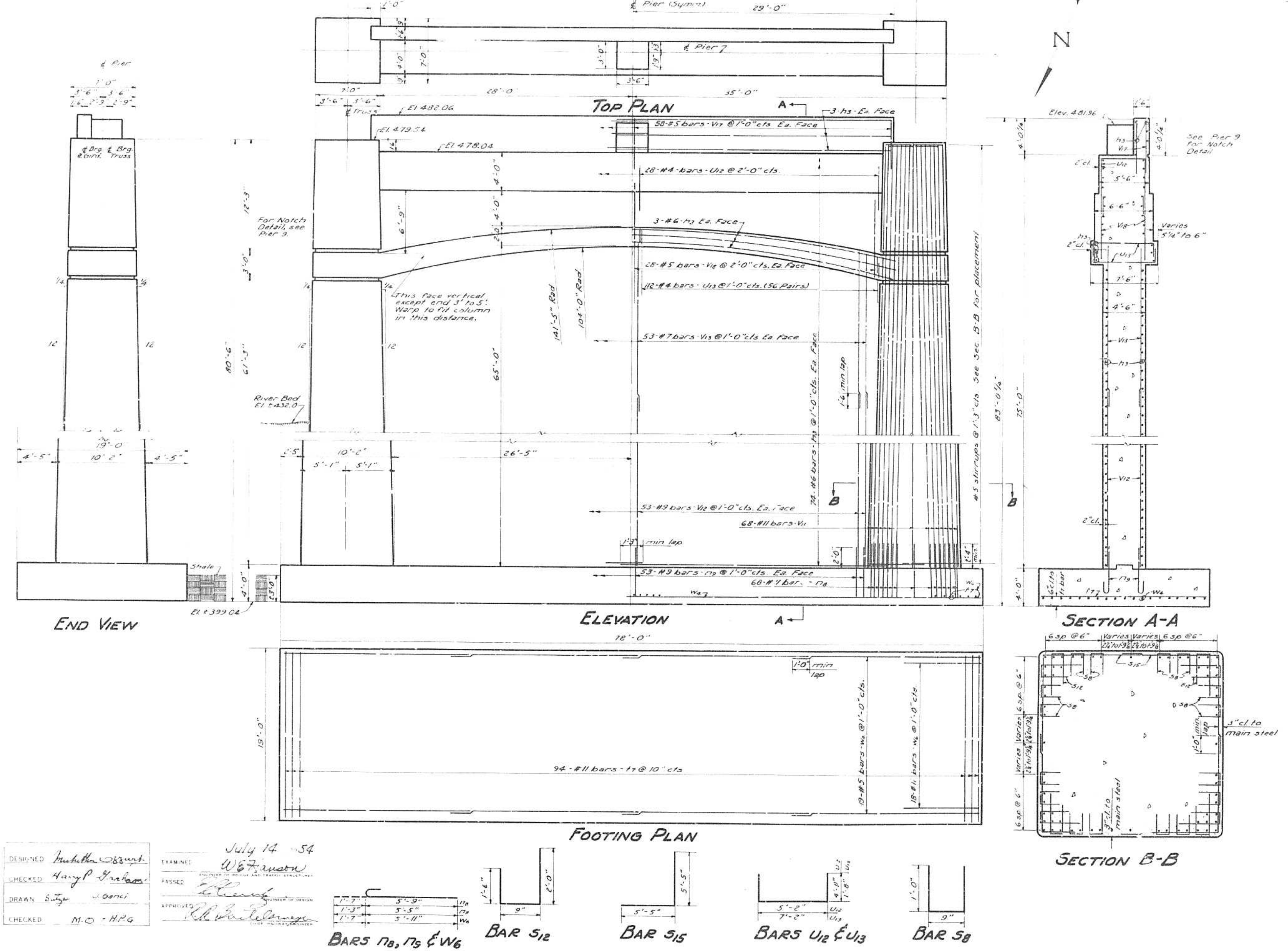
DESIGNED	Richard B. Collins
CHECKED	[illegible]
DRAWN	[illegible]
CHECKED	[illegible]

July 14 1954
EXAMINED W. E. Hanson — Engineer of Bridge and Traffic Structures
PASSED [illegible] — Engineer of Design
APPROVED R. R. Bartelsmeyer — Chief Highway Engineer

PIER NO. 7
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON - FAYETTE STREETS
F.A. ROUTE 9 SECTION 10B -
PEORIA - TAZEWELL COUNTIES

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 9	10 B	PEORIA TAZEWELL	15	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT UI-4A(1)		



BILL OF MATERIAL-PIER 8

BAR	NO	SIZE	LENGTH	SHAPE
h3	320	#6	30'-0"	
n8	136	#11	7'-4"	
n9	106	#9	6'-8"	
S8	1984	#5	2'-9"	
S12	992	#5	4'-3"	
S15	496	#5	10'-10"	
t7	94	#11	18'-9"	
U12	28	#4	15'-0"	
U13	112	#4	10'-6"	
* V11	136	#11	81'-0"	
V12	106	#9	33'-3"	
V13	106	#7	32'-3"	
V17	116	#5	5'-0"	
V18	56	#5	9'-9"	
W4	76	#5	20'-3"	
W6	36	#11	7'-6"	

Class "A" Concrete	Cu. Yds.	1379
Reinforcement Bars	Lbs	130170
Class "B" Excav. for Struct.	Cu. Yds	2330
Rock Excav. for Struct.	Cu. Yds	165
Cofferdams	Each	One

Note: Class "B" Excavation for Structures is computed as 3' beyond edge of footing.

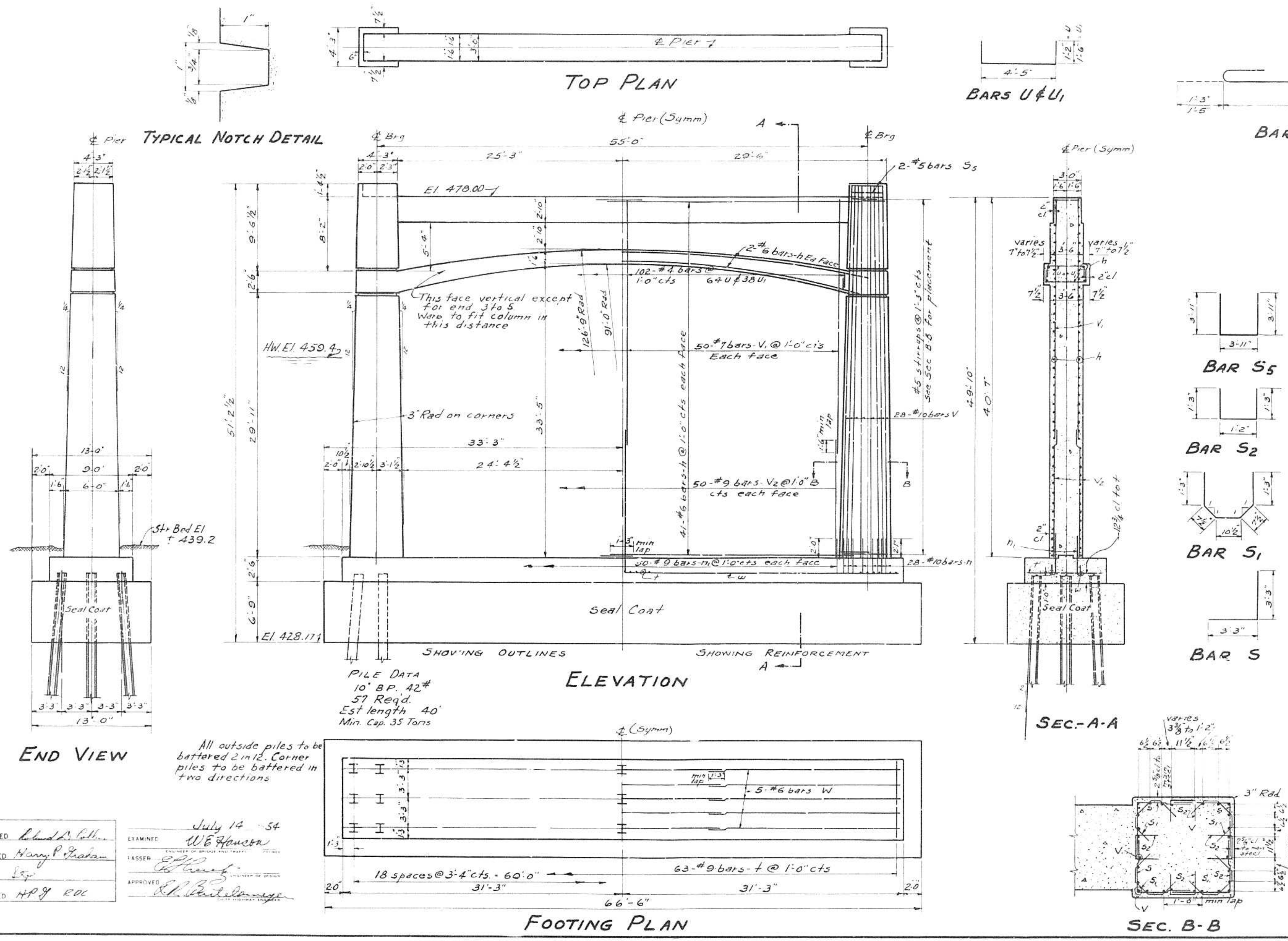
* Note: 4'-8" has been added to the length of these bars to provide for two splices. Bars are to be cut to lengths that Contractor desires.

DESIGNED	[signature]	EXAMINED	July 14 1954 W. E. Hanson, ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
CHECKED	Harry P. Graham	PASSED	[signature], ENGINEER OF DESIGN
DRAWN	Sutter J. Ganci	APPROVED	R. R. Bartelsmeyer, CHIEF HIGHWAY ENGINEER
CHECKED	M.O. - H.P.G.		

PIER NO 8
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON-FAYETTE STREETS
F.A. ROUTE 9 SECTION 10B
PEORIA-TAZEWELL COUNTIES

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 9	10B	PEORIA TAZEWELL	15	10
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT I-Z 48 (7)	



BILL OF MATERIAL-PIER #9

BAR	NO	SIZE	LENGTH	SHAPE
h	172	#6	27'-3"	
m	56	#10	5'-0"	
m_1	100	#9	4'-9"	
S	264	#5	6'-6"	
S_1	264	#5	4'-8"	
S_2	264	#5	3'-8"	
S_5	4	#5	11'-9"	
t	63	#9	8'-8"	
U	64	#4	6'-9"	
U_1	38	#4	7'-5"	
* V	56	#10	44'-0"	
V_1	100	#7	21'-9"	
V_2	100	#9	20'-0"	
W	15	#6	21'-6"	

Cl. A Concrete	Cu Yds	395.2
Seal Coat Concrete	Cu Yds	215
Reinforcement Bars	Lbs	38660
Cl. B Excav for Struct	Cu Yds	349
Steel Piles (10BP42)	Lin Ft	2240
Test Piles (10BP42)	Each	One
Cofferdams	Each	One

* 2'-1" added to length of these bars for a splice. Bars to be cut to lengths Contractor desires.

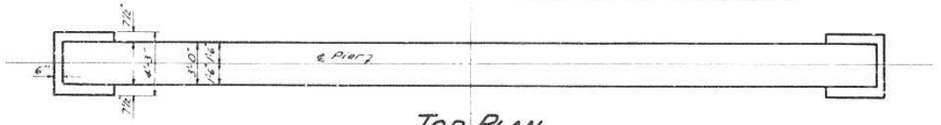
DESIGNED [signature]
CHECKED Harry P. Graham
DRAWN [signature]
CHECKED HPG RDC

EXAMINED July 14 1954 W.E. Hanson — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED [signature] — ENGINEER OF DESIGN
APPROVED [signature] — CHIEF HIGHWAY ENGINEER

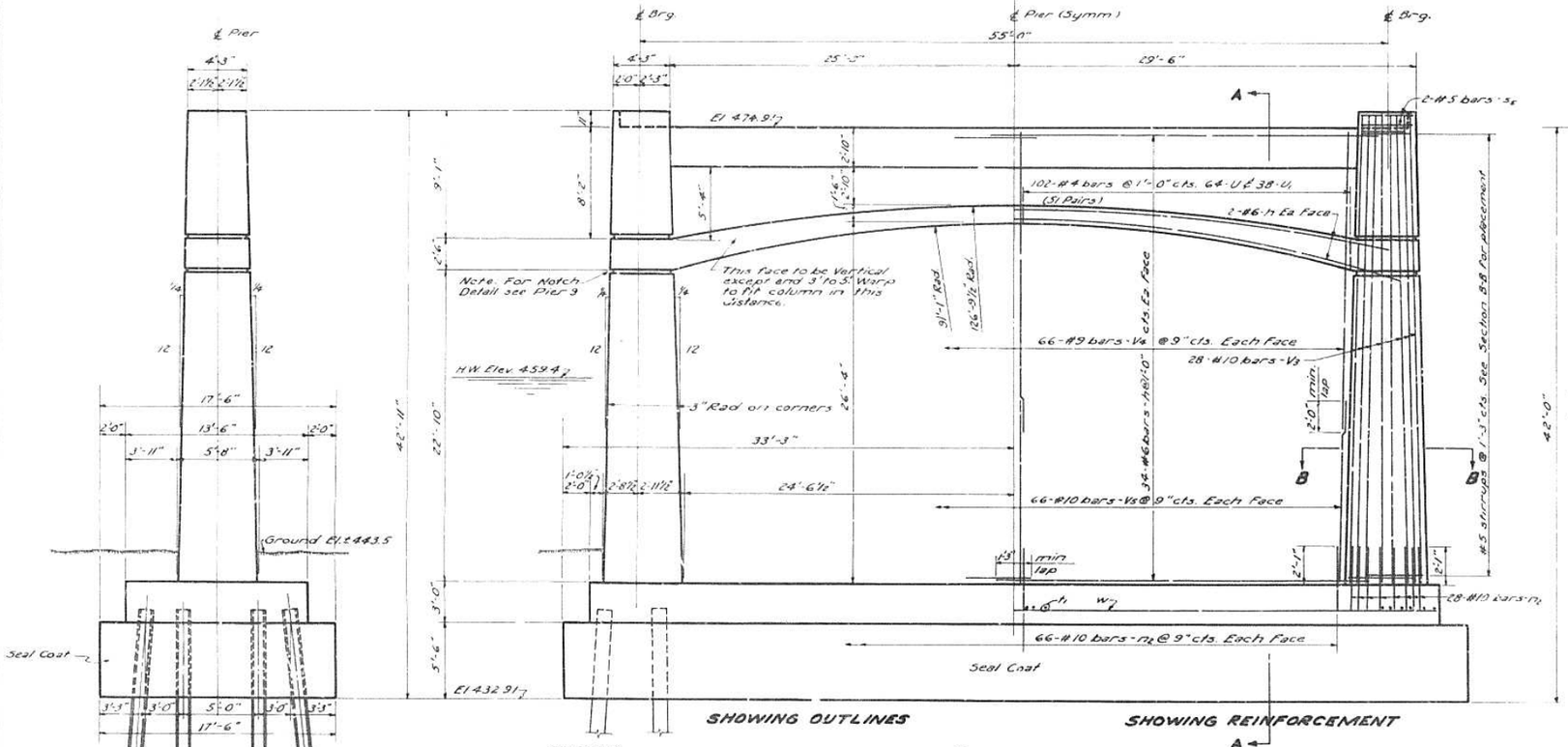
PIER NO. 9
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON - FAYETTE STREETS
F.A. ROUTE 9 SECTION 10B-
PEORIA-TAZEWELL COUNTIES

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

ROUTE	SECTION	COUNTY	DISTRICT	SHEET	SHEETS
F.A. 9	108	PEORIA-TAZEWELL	15	11	11
RES. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT NO.			

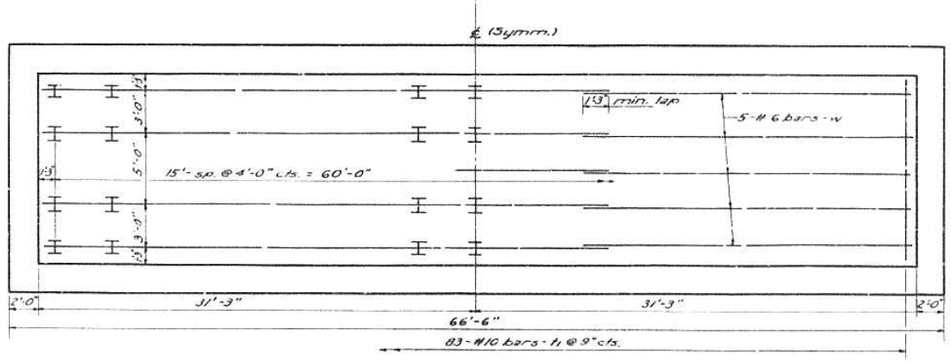


TOP PLAN

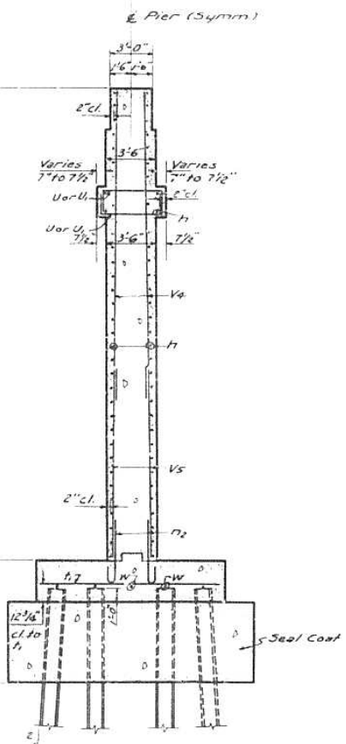


PILE DATA
10" B.P. 42#
64 Required
Est. Length 40'
Min. Cap. 35 Tons

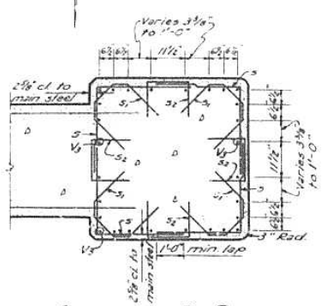
All outside piles to be battered 2 in 12. Corner piles to be battered in two directions.



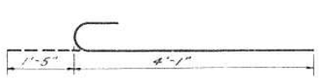
FOOTING PLAN



SECTION A-A



SECTION B-B



BAR n_2

* 1'-1" added to length of these bars for a splice. Bars to be cut to lengths Contractor desires.

BILL OF MATERIAL PIER 10

BAR	NO.	SIZE	LENGTH	SHAPE
*V_3	56	#10	36'-3"	
V_4	132	#9	17'-3"	
V_5	132	#10	18'-0"	
h	144	#6	27'-3"	
U_2	64	#4	6'-9"	
U_1	38	#4	7'-5"	
n_2	188	#10	5'-6"	C
s_3	208	#5	6'-6"	U
s_4	208	#5	4'-8"	U
s_5	208	#5	3'-8"	U
s_6	4	#5	11'-9"	C
f_1	83	#10	13'-2"	
w	15	#6	21'-6"	

Class "A" Concrete	Cu. Yds.	373.7
Reinforcement Bars	Lbs.	45980
Seal Coat Concrete	Cu. Yds.	236
Class "A" Excav for Struct.	Cu. Yds.	108
Class "B" Excav for Struct.	Cu. Yds.	345
Steel Piles (10 B.P. 42#)	Lin. Ft.	2520
Cofferdams	Each	One
Test Piles	Each	One

For details of Bars U_1, U_2, s_3, s_4, s_5 & s_6 see Pier 9.

DESIGNED	Richard A. Collins	
CHECKED	Mary P. Graham	
DRAWN	J. Ganci	
CHECKED	H.P.G.	R.A.C.

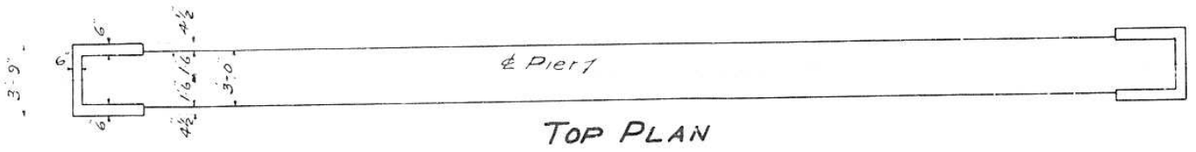
EXAMINED July 14 1954
W. E. Hanson
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED
ENGINEER OF DESIGN
APPROVED
CHIEF HIGHWAY ENGINEER

PIER NO. 10
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON-FAYETTE STREETS
F.A. ROUTE 9 SECTION 108-
PEORIA-TAZEWELL COUNTIES

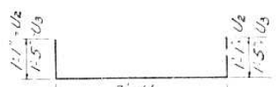
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 9	10 B	PEORIA TAZEWELL	15	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT NO. S.R.(3)		

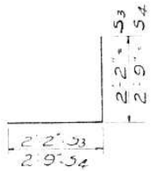
SHEET NO. 9
11 SHEETS



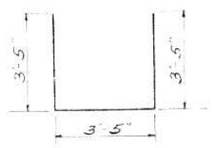
TOP PLAN



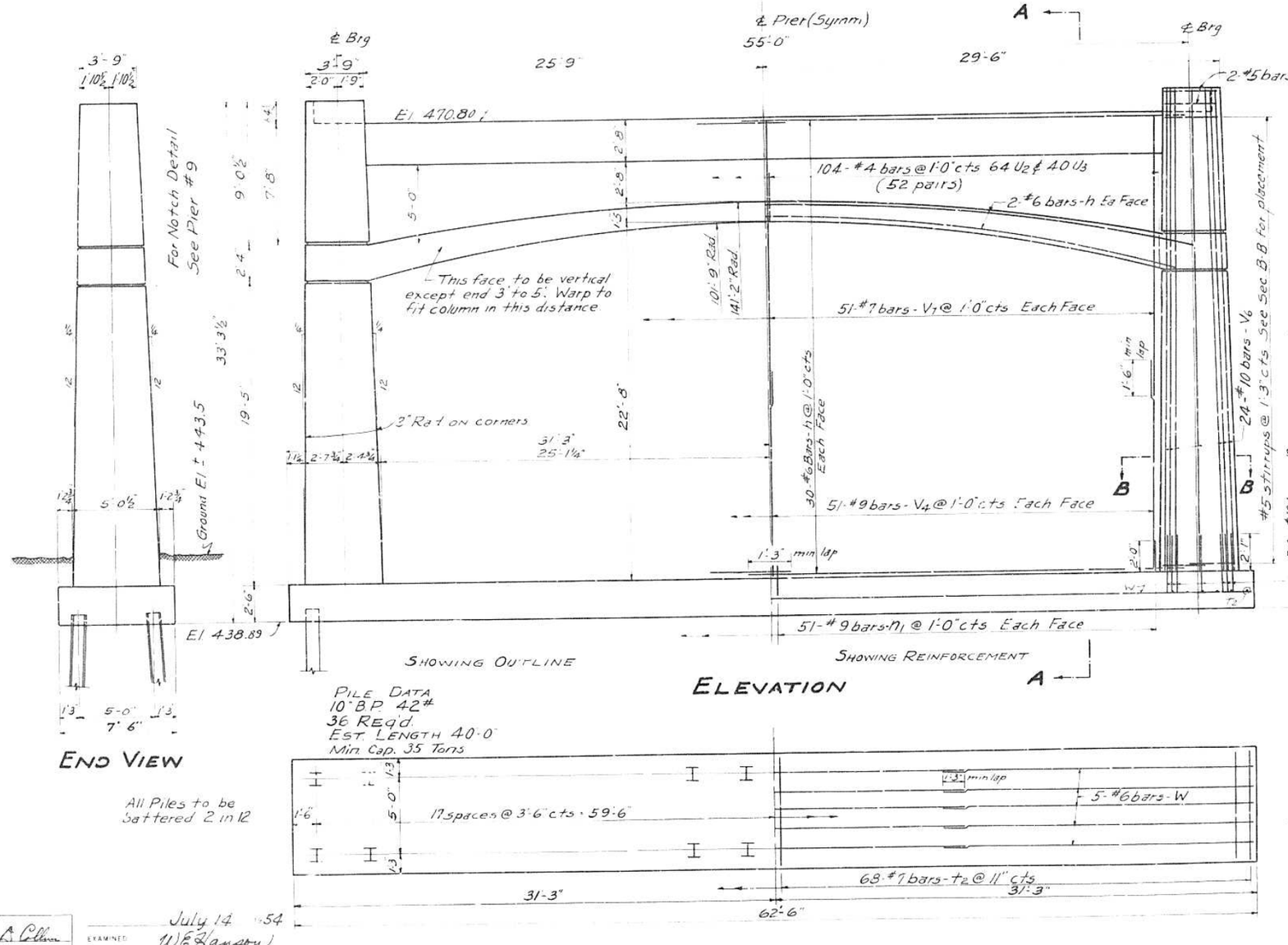
BAR U_2 & U_3



BAR S_3 & S_4



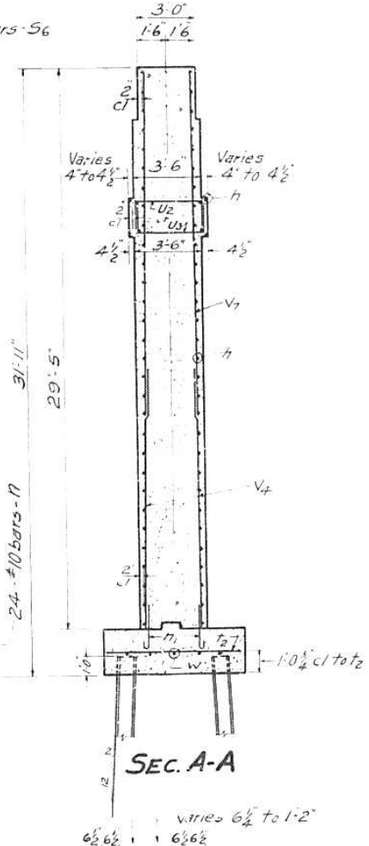
BAR S_6



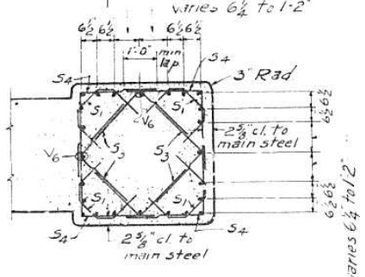
ELEVATION

END VIEW

All Piles to be battered 2 in 12



SEC. A-A



SEC. B-B

FOOTING PLAN

* 2'-1" added to length of these bars for a splice Bars to be cut to lengths contractor desires

BILL OF MATERIAL PIER 11

BAR	NO	SIZE	LENGTH	SHAPE
h	128	#6	27'-3"	
n	48	#10	5'-0"	
n1	102	#9	4'-9"	
S1	192	#5	4'-8"	
S3	192	#5	4'-4"	
S4	192	#5	5'-6"	
S6	4	#5	10'-3"	
t2	68	#7	7'-2"	
U2	64	#4	6'-1"	
U3	40	#4	6'-9"	
V4	102	#9	17'-3"	
V6	48	#10	32'-7"	
V7	102	#7	13'-6"	
W	15	#6	21'-6"	

Class A Concrete	Cu Yds	280.6
Reinforcement Bars	Lbs	28310
Cl A Excav. for Struct	Cu Yds	76
Cl B Excav. for Struct	Cu Yds	57
Steel Piles (10 BP 42#)	Lin Ft	1400
Test Piles	Each	One

For Detail of Bar n See Pier #9
For Detail of Bar n1 See Pier #9
For Detail of Bar S1 See Pier #9

NOTE

Sheeting may be necessary as aid to excavation Cost incidental to contract. See Art 50.8 for treatment of foundation material

DESIGNED	Roland D. Collins
CHECKED	Harry F. Graham
DRAWN	
CHECKED	W.P.T. R.D.C.

July 14 1954

EXAMINED W.E. Hanson
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED
ENGINEER OF DESIGN

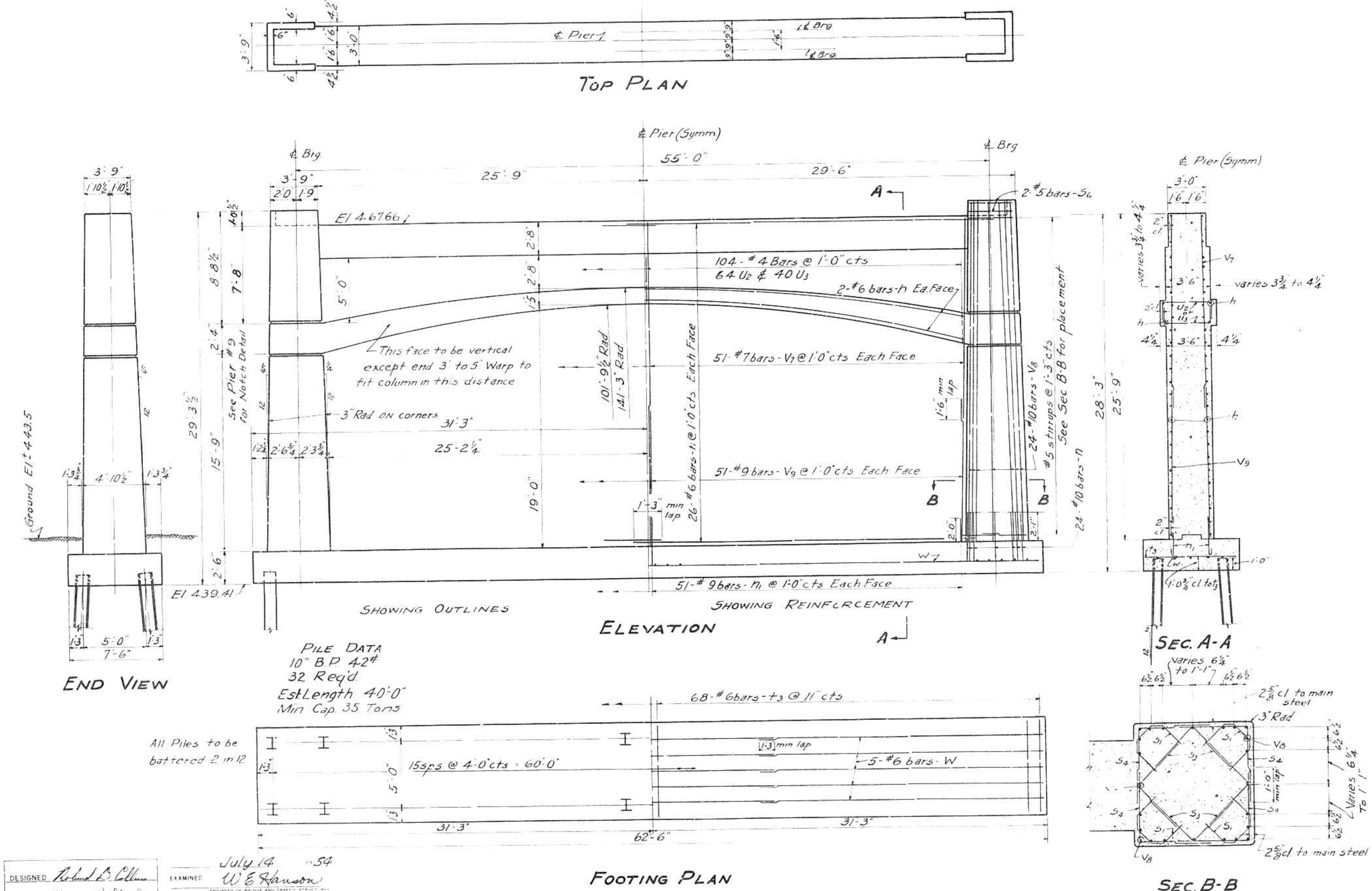
APPROVED
CHIEF HIGHWAY ENGINEER

PIER NO 11
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON - FAYETTE STREETS
F.A. ROUTE 9 SECTION 10B -
PEORIA - TAZEWELL COUNTIES

ROUTE NO.	SECTION	COUNTY	SHEETS	NO.
F.A. 9	10B	PEORIA TAZEWELL	15	13
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT U.I. 48(7)		

11 SHEETS

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



* 2'-1" added to length of these bars for a splice. Bars to be Cut to length Contractor desires

BILL OF MATERIAL - PIER 12

Bar	No	Size	Length	Shape
h	112	#6	27'-3"	
n	48	#10	5'-0"	
n_1	102	#9	4'-9"	
S_1	168	#5	4'-8"	
S_3	168	#5	4'-4"	
S_4	168	#5	5'-6"	
S_6	4	#5	10'-3"	
t_3	68	#6	7'-2"	
U_2	64	#4	6'-1"	
U_3	40	#4	6'-9"	
V_7	102	#7	13'-6"	
* V_8	48	#10	28'-9"	
V_9	102	#9	13'-6"	
W	15	#6	21'-6"	

Class A Concrete	Cu Yds	249.5
Reinforcement Bars	Lbs.	24940
Cl A Excav for Struct	Cu Yds	82
Cl B Excav for Struct	Cu Yds	42
Steel Piles (10BP 42#)	Lin Ft	1240
Test Piles (10BP 42#)	Each	One

For Detail of Bar N see Pier #9
For Detail of Bar N_1 see Pier #9
For Detail of Bar S_1 see Pier #9
For Detail of Bar S_3 see Pier #11
For Detail of Bar S_4 see Pier #11
For Detail of Bar S_6 see Pier #11
For Detail of Bar U_2 see Pier #11
For Detail of Bar U_3 see Pier #11

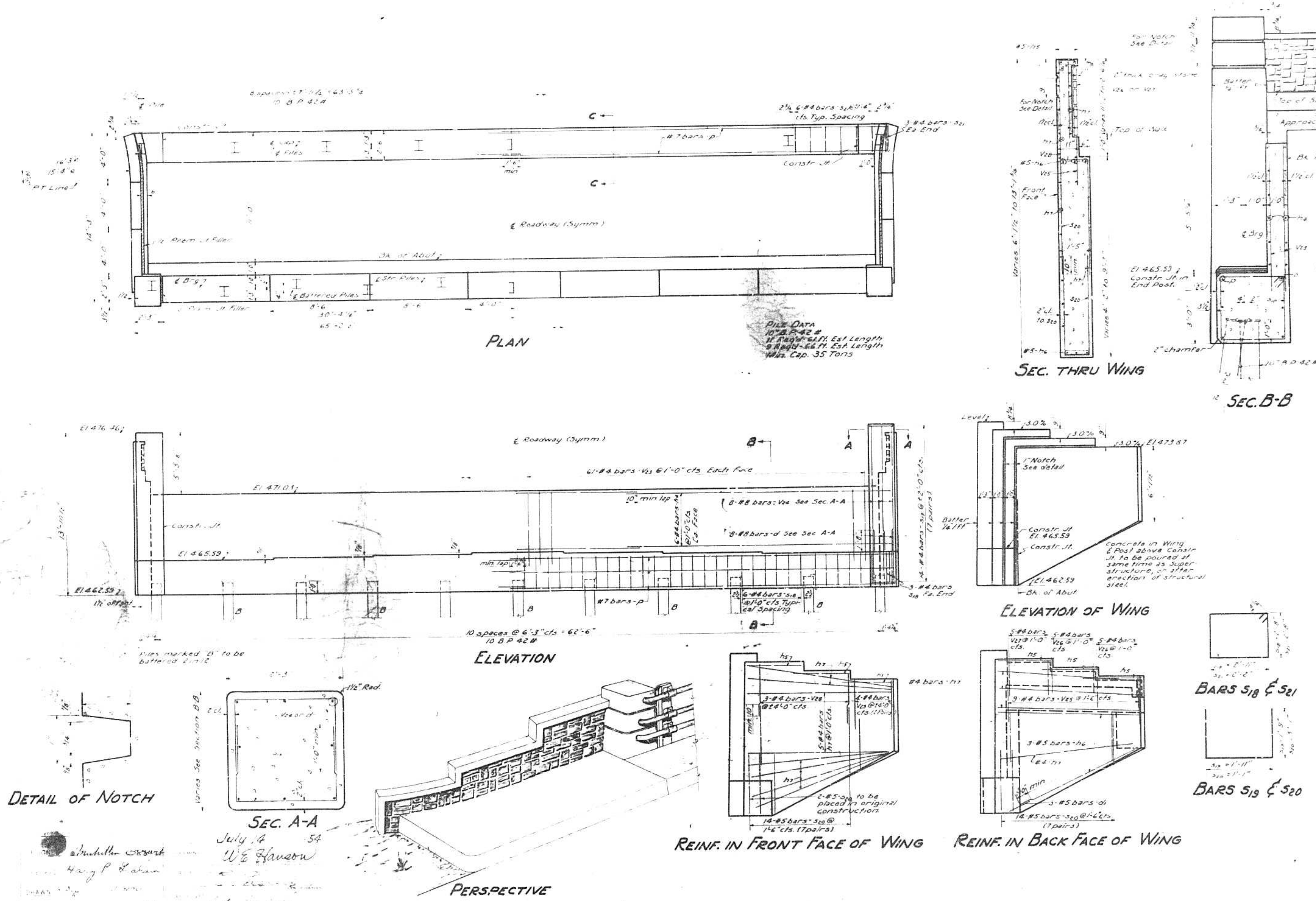
NOTE:
Sheeting may be necessary as aid to excavation. Cost incidental to Contract. See Art. 50.8 for treatment of foundation material.

DESIGNED	Roland B. Collins
CHECKED	Harry P. Graham
DRAWN	
CHECKED	

July 14 1954
EXAMINED W. E. Hanson — ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED — ENGINEER OF DESIGN
APPROVED — CHIEF HIGHWAY ENGINEER

PIER NO. 12
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON-FAYETTE STREETS
F.A. ROUTE 9 SECTION 10B-
PEORIA-TAZEWELL COUNTIES

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



BILL OF MATERIAL SOUTH ABUTMENT

BAR	NO.	SIZE	LENGTH	SHAPE
Reinforcement for D Section				
V_{24}	16	#8	10'-8"	
V_{25}	18	#4	2'-0"	
V_{26}	20	#4	2'-6"	
V_{27}	10	#4	3'-3"	
V_{28}	6	#4	6'-3"	
V_{29}	8	#4	4'-0"	
S_{19}	28	#4	5'-5"	
S_{20}	24	#5	11'-3"	
S_{21}	46	#4	10'-5"	
h_5	12	#5	4'-9"	
h_6	12	#5	12'-9"	
h_7	30	#4	12'-9"	
Reinforcement for B Section				
h_4	36	#4	22'-3"	
d	16	#8	4'-0"	
d_1	6	#5	2'-0"	
p	24	#7	33'-6"	
S_{18}	66	#4	11'-11"	
S_{20}	4	#5	11'-3"	
S_{21}	8	#4	10'-5"	
V_{23}	122	#4	6'-3"	

Class "X" Conc (B Sec)	Cu Yds	53.4
Reinf Bars (B Sec)	Lbs	3500
Steel Piles (10" BP 42#)	Lin Ft	1204
Test Piles	Each	[illegible]
Quantity not in B contract (Inc. in D Contr.)		
Handrail Concrete	Cu Yds	16.5
Reinforcement Bars	Lbs	1760
Masonry Facing	Sq Ft	43

SOUTH ABUTMENT
PROJECT
ILLINOIS RIVER BRIDGE AT PEORIA
JACKSON - FAYETTE STREETS
F. A. ROUTE 9 SECTION 108-
PEORIA - TAZEWELL COUNTIES