

10022

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAI ROUTE 72 (I 72)
SECTION (58,74-66)&(74-67&68)RS-1
MACON&PIATT COUNTY

CURRENT ADT: 2005

10,400 - I-72 WEST OF MONTICELLO
13,800 - I-72 FROM MONTICELLO TO IL 47

99.9%
11/12/2011

R-SMART REPAIR (MAINLINE)

SN 074-0063
SN 074-0064
SN 074-0067

R-SMART REPAIR (OVERHEADS)

SN 074-0055
SN 074-0058
SN 074-0062

STRUCTURE OMISSIONS (MAINLINE)

SN 074-0067 (EB) STA. 1421+86.52 TO STA. 1428+83.44
SN 074-0068 (WB) STA. 1422+80.50 TO STA. 1429+57.42
SN 074-0069 (EB) STA. 1438+95.20 TO STA. 1439+18.28
SN 074-0070 (WB) STA. 1438+22.94 TO STA. 1440+46.02
SN 074-0001 (EB) STA. 1300+54.10 TO STA. 1302+62.80
SN 074-0002 (WB) STA. 1300+45.65 TO STA. 1302+54.29

STRUCTURE OMISSIONS (OVERHEADS)

SN 074-0090
SN 074-0095
SN 074-0096
SN 074-0071
SN 074-0035
SN 074-0026
SN 074-0036

CRASHWALL EXTENSIONS

SN 074-0055
SN 074-0058
SN 074-0060
SN 074-0062
SN 074-0065
SN 074-0066
SN 074-0071

IMPACT ATTENUATOR PLACEMENTS

SN 074-0055
SN 074-0062
SN 074-0065
SN 074-0066

IMPACT ATTENUATOR UPGRADES

SN 074-0058
SN 074-0060
SN 074-0071
SN 074-0035
SN 074-0026
SN 074-0036

SEE GENERAL NOTES FOR ADDITIONAL STRUCTURE INFORMATION

PROJECT BEGINS
STATION 910+00.00

C-95-056-99

RESURFACING

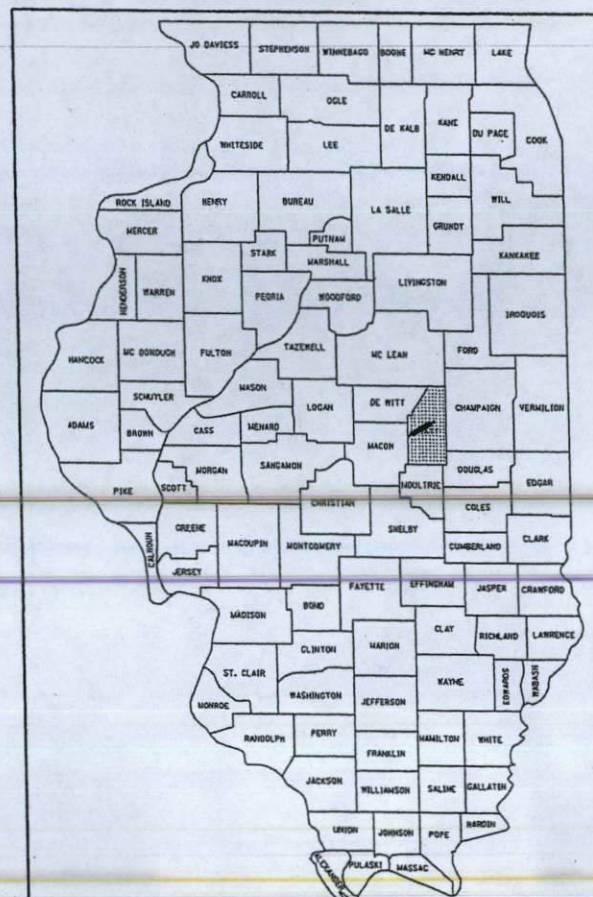
PIATT COUNTY LINE TO WHITE HEATH RD (FAS 1532) NE OF WHITE HEATH

STATION EQUATION:
1499+41.06 (BK) =
1162+63.35 (AH)

END URBAN LIMITS
STATION 1216+11.00

PROJECT ENDS
STATION 1376+84.00

STATION EQUATION:
1265+71.09 (BK) =
1265+30.54 (AH)



LOCATION OF SECTION INDICATED THUS: -

FOR UNDERGROUND UTILITY
LOCATIONS CALL
TOLL FREE J.U.L.I.E. TELEPHONE NO.
1-800-892-0123

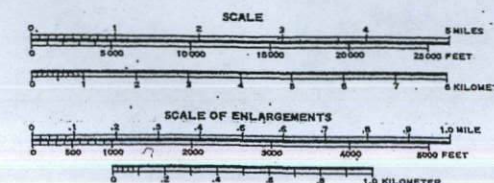
DESIGN DESIGNATION

INTERSTATE

CONTRACT NO. 70022

074-0064
-0070

TOTAL LENGTH OF SECTION & PROJECT = 80,407.26 FEET = 15.229 MILES
NET LENGTH OF SECTION & PROJECT = 79,298.56 FEET = 15.019 MILES



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OF THE STATE OF ILLINOIS

FAI ROUTE 72 SECTION (58,74-66) & (74-67&68)RS-1 PIATT COUNTY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	*	PIATT	251	1

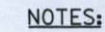
* (58,74-66)&(74-67&68)RS-1

D-95-028-99

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 2/8 20 10
Deputy Director of Highways, Region Three Engineer
March 19, 20 10
Scott E. Stitt P.E. (RD)
Acting ENGINEER OF DESIGN AND ENVIRONMENT
March 19, 20 10
Christine M. Reed (RD)
DIRECTOR OF HIGHWAYS/CHIEF ENGINEER

* (58,74-66)&(74-67&68)RS-1



EXISTING BRIDGE APPROACH WINGWALL

15'-6" LENGTH FOR SN 074-0063
 15'-6" LENGTH FOR SN 074-0064
 15'-6" LENGTH FOR SN 074-0067
 15'-6" LENGTH FOR SN 074-0068
 13'-0" LENGTH FOR SN 074-0069
 13'-0" LENGTH FOR SN 074-0070

EPOXY GROUT a₁(E) BARS IN 9" DEEP HOLE IN ACCORDANCE WITH SECTION 584 OF THE STANDARD SPECIFICATIONS.

*5 a₁(E) BARS @ 10" CENTERS

3/4" CHAMFER

A

SLOPE TO DRAIN

9"

4"

A

10" (TYP.)

VARIABLE **

*5 h (E) BARS

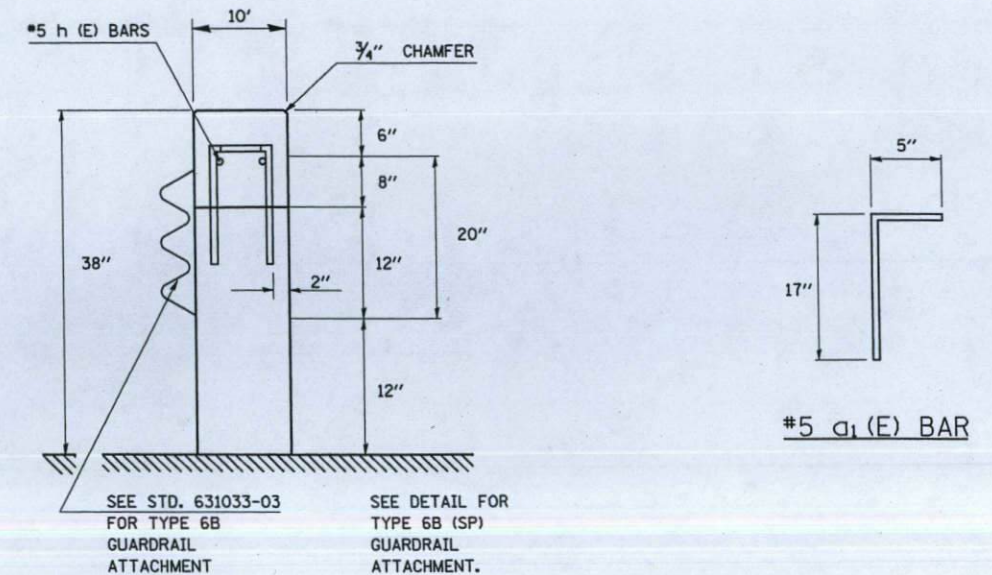
14'-10" h BAR LENGTH = 14'-10"
 14'-10" h BAR LENGTH = 14'-10"
 14'-10" h BAR LENGTH = 14'-10"
 14'-10" h BAR LENGTH = 14'-10"
 12'-4" h BAR LENGTH = 12'-4"
 12'-4" h BAR LENGTH = 12'-4"

RELOCATE ALUMINUM RAIL SUPPORT

SAW CUT RAIL

- EXACT LOCATION TO BE DETERMINED BY ENGINEER

SEC. A-A



PROPOSED BRIDGE APPROACH WINGWALL
END VIEW

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. /
R. 1.	74-68	Piaatt	64	32	15 SHEETS
F. A. I. 72	(8-1VB)				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:			

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Fasteners shall be high strength bolts. Bolts $\frac{7}{8}$ " ϕ ; open holes $\frac{15}{16}$ " ϕ , unless otherwise noted.

Calculated weight of Structural Steel. = 415,580 lbs.

The basic lead silico chromate paint system shall be used for shop and field painting of Structural Steel.

Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.

Anchor bolts shall be set before bolting diaphragms over supports.

Slope wall shall be reinforced with welded wire fabric 6"x 6" mesh, weighing 58# per 100 sq. ft.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments and piers.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

Protective Coat shall not be applied to surfaces to which Coal Tar Interlayer Protective Coat is applied.

The Contractor shall drive four (4) test piles in permanent locations, One at West Abutment - E.B.L., One at P-1 - W.B.L., One at P-2 - E.B.L. and One at East Abutment - W.B.L., as directed by the Engineer before ordering the remainder of piles.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\pm \frac{1}{8}$ ". Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$ " adjusting shims, of the dimensions of the bottom plate, shall be provided for each bearing in addition to all other plates and shims.

Concrete piles at abutments shall be driven in holes precored through the embankment in accordance with Article 513.09 (c) of the Standard Specifications.

The main load carrying member components subject to the Supplemental Requirements for Notch Toughness are the flanges, webs, and splice plates of the steel girders or wide flange beams.

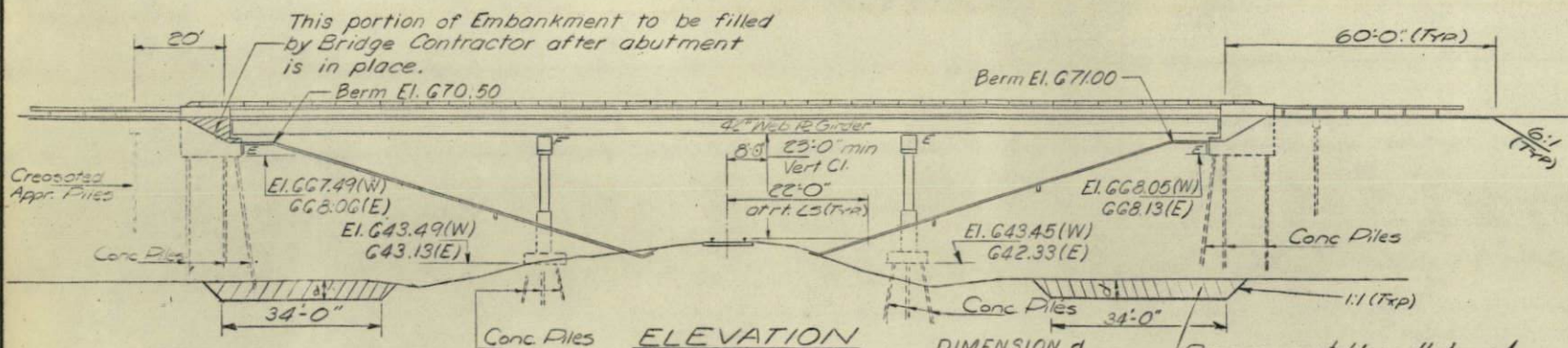
[illegible]

* To be done by others

5-86

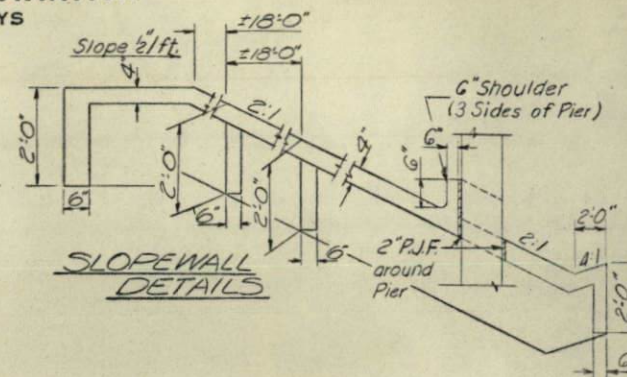
PROJECT 1-16-72-2(13)40
GENERAL PLAN & ELEVATION
FAC 72 over N & W R.R.
FAC RTE. 72 SEC. 74 68 VB
PIATT COUNTY
STATION 1458+70.61

1-3 SP CONT. IN AC

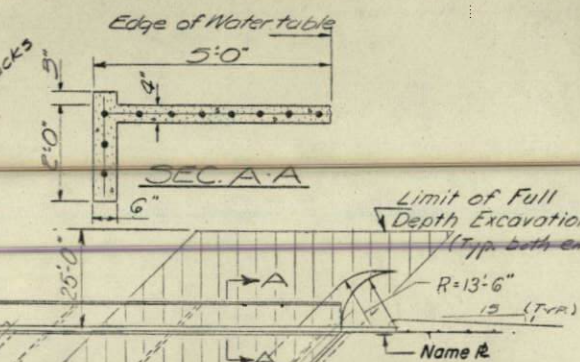


STATION 1438+70.61
BUILT 197 BY
STATE OF ILLINOIS
A.I.R.T. 72 SEC. 74-68VB
F.A. PROJ. I-IG-72-2(13)
LOADING HS20 & ALT.

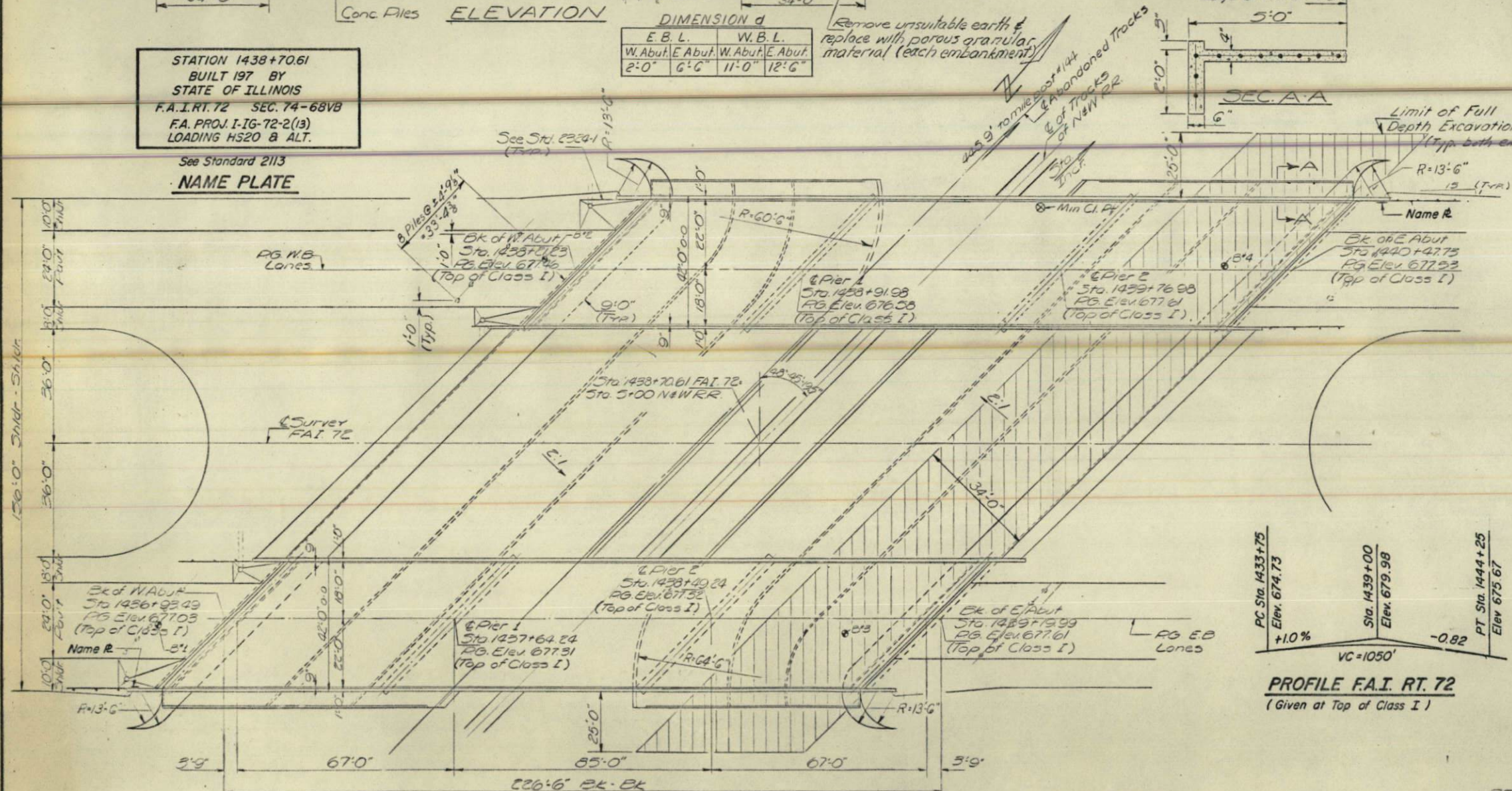
See Standard 2113
NAME PLATE



SLOPEWALL DETAILS



Limit of Full
Depth Excavation



PC Sta. 1433+75
Elev. 674.73
1.0%
Sta. 1439+00
Elev. 679.98
PT Sta. 1444+25
-0.82

PROFILE F.A.I. RT. 72
(Given at Top of Class I)

PLAN

APPROACH PILE DATA

fs=1200 psi Deck Slab	Type:
fc=1400 psi Curb, Parapet & Sub	Req'd
fs=20,000 psi Reinfr	No. Re
fs=27,000 psi (AA3HD M223 Grade 50)	
fs=20,000 psi (AA3HD M183)	
vc=75 psi Ftg.	
n=10	

Allow 25¢/50 ft for Fut. W.S.

Type: Creosoted
Req'd. Length: 32'-0"
No. Req'd: 32

PROFILE N. & W. R.R.

LOADING H520-44# ALT.

DESIGNED	<i>Sal Fatemi</i>
CHECKED	<i>W. H. Jones</i>
DRAWN	<i>P. Barnett</i>
CHECKED	<i>W. H.</i>

DECEMBER 4 1973

EXAMINED *[Signature]*

PASSED

APPROVED

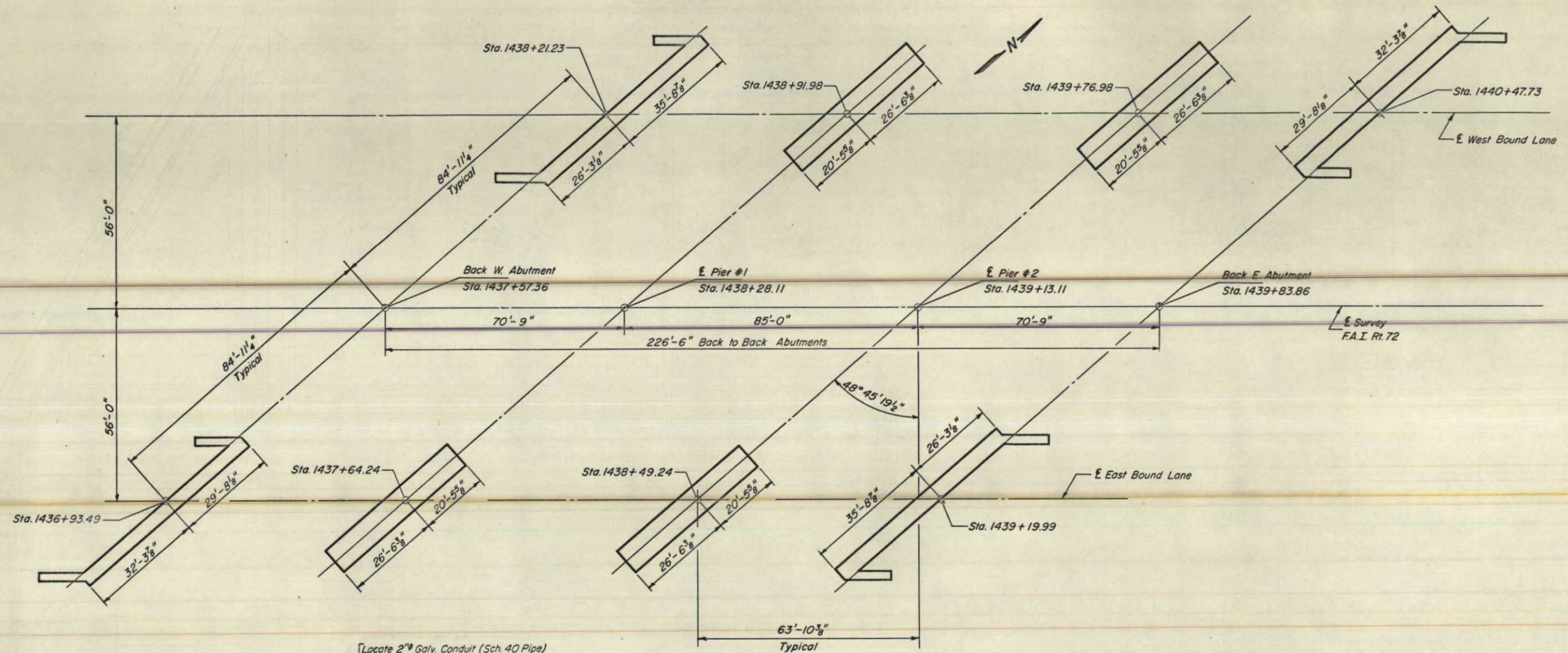
ENGINEER OF DESIGN

FAI 72

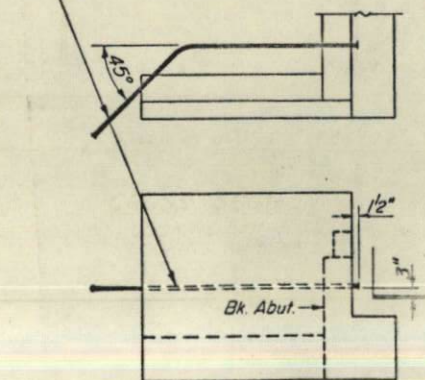
9.58

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
74-68	(8-1)VB	Piatt	64	33	15 SHEETS
F.A.I. RT. 72					
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

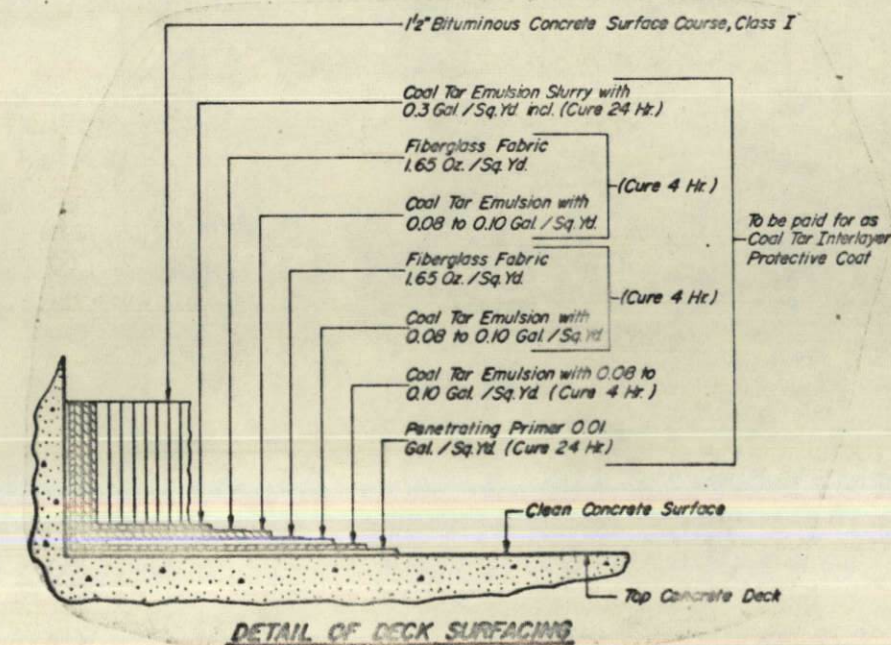


Locate 2" Galv. Conduit (Sch. 40 Pipe) ±1/2" inside of fascia beam web and parallel to beam line. Extend to clear the wing wall and terminate at a point outside of shoulder. Thread and cap each end. Place conduit at the two outside corners of each dual bridge & all four corners of a single bridge. (4-Req'd) Cost Incidental



ELECTRICAL CONDUIT LOCATION
(Pile Bent Abutments)

FOOTING LAYOUT



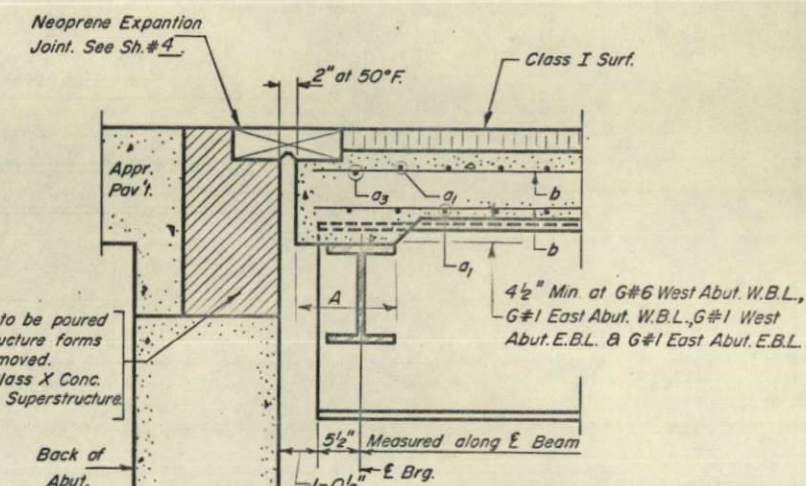
FOOTING LAYOUT
F.A.I. RT. 72 SEC. 74-68VB
PIATT COUNTY
STA. 1438+70.61

DESIGNED	Sal Fatam
CHECKED	W. Henry
DRAWN	P. Barnett
CHECKED	WH

EXAMINED	DEC. 4 1972
PASSED	
APPROVED	

Bars indicated thus 20 x 3 - #5 etc
indicates 20 lines of bars with 3
lengths per line.
Min. bar laps = 24 dia

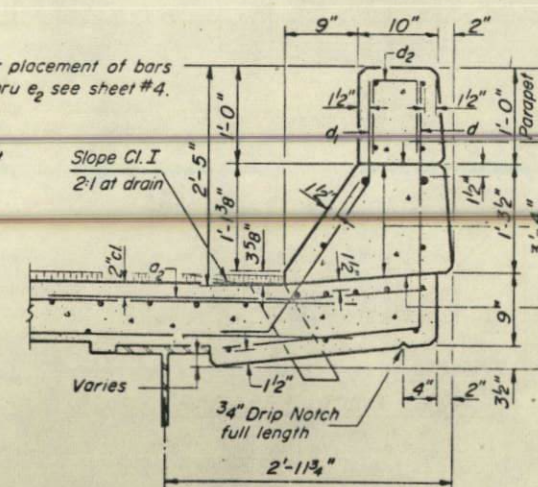
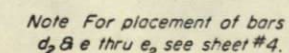
ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO	SHEET NO. 3 15 SHEETS
881 F.A.I. 72	74-68 (B-1,VB)	Piatt	64	34	
FED. ROAD DIST NO. 1		ILLINOIS	FED. AID PROJECT.		



SECTION A-A
 $A = 9\frac{1}{2}"$ Minimum
 $1'-5\frac{3}{4}"$ Maximum

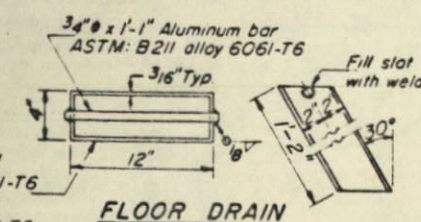
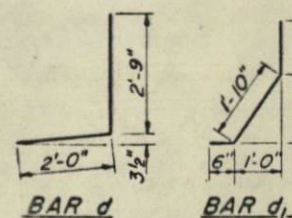
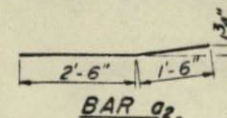
TWO STRUCTURES
BILL OF MATERIAL

<i>Bar</i>	<i>No</i>	<i>Size</i>	<i>Length</i>	<i>Shape</i>
a ₁	1324	#6	40'-0"	—
a ₂	660	#6	4'-0"	—
a ₃	8	#6	32'-6"	—
b	1344	#5	32'-9"	—
b ₁	168	#6	29'-3"	—
b ₂	32	#8	29'-3"	—
b ₃	32	#5	28'-9"	—
b ₄	32	#8	11'-6"	—
b ₅	32	#5	11'-6"	—
b ₆	16	#8	31'-9"	—
b ₇	16	#5	31'-3"	—
d	888	#4	4'-9"	J
d ₁	876	#5	3'-5"	J
<i>Reinforcement Bars</i>			Lbs.	149,840
<i>Class X Concrete</i>			Cu Yds	563.9



CURB SECTION

Cost of Aluminum Drains and Sheets shall be incidental to Class X Concrete



The lengths and quantities of longitudinal reinforcement and Class X Concrete in parapets are not included in above quantities. See sheet 4.

SUPERSTRUCTURE

F.A.I. RT. 72 SEC. 74-68VB

PIATT COUNTY
STA. 1438+70.61

DESIGNED	Sal Fataum
CHECKED	W. H. H. H.
DRAWN	P. Barnett
CHECKED	W. H.

DEC. 4 1972

EXAMINED *[Signature]*

PASSED

ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

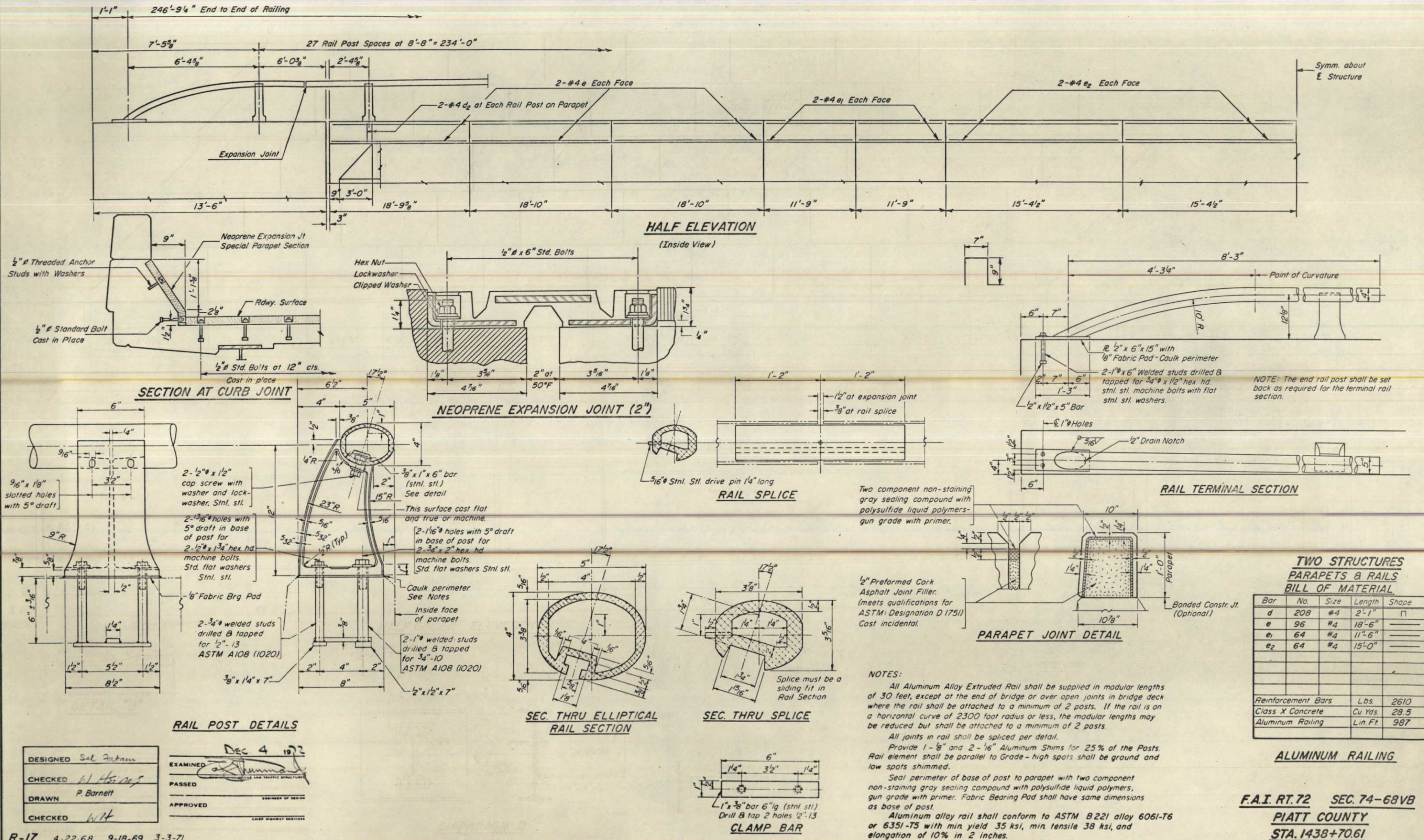
ENGINEER OF DESIGN

APPROVED

CHIEF ENGINEER BRIDGE

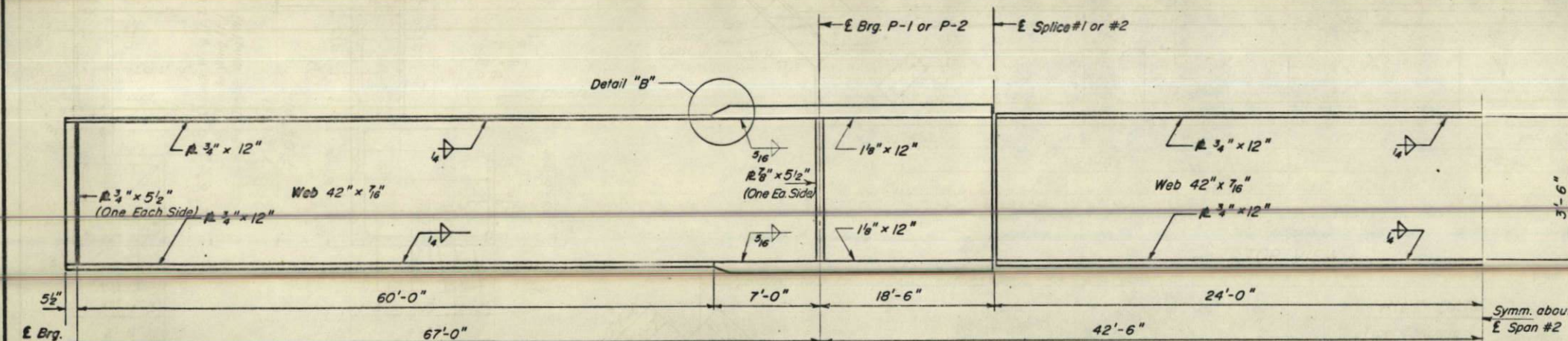
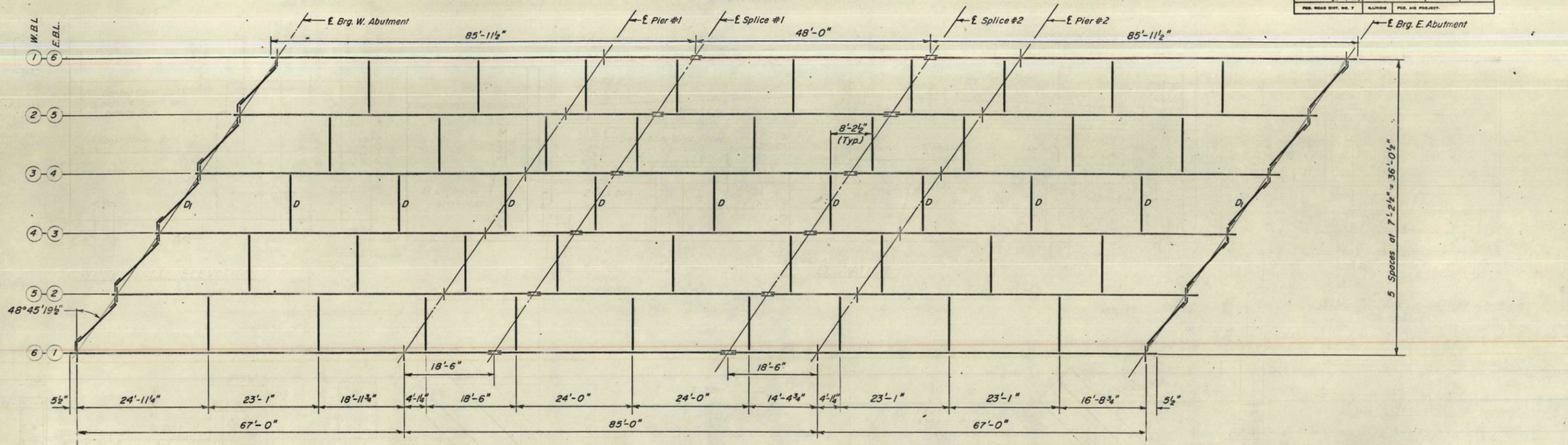
I-4 to 6-L ($>30^\circ$) 3-1-68

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 15 SHEETS
881 F.M. 172	74-68 (B-1VB)	Piatt	64	35	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT.		



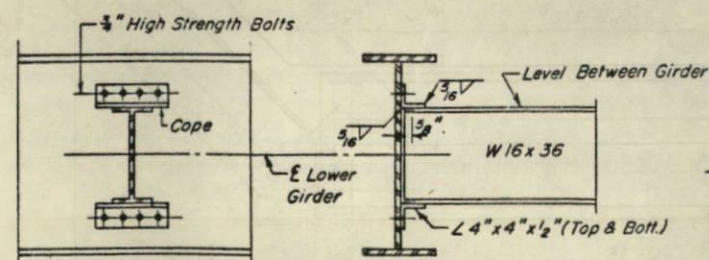
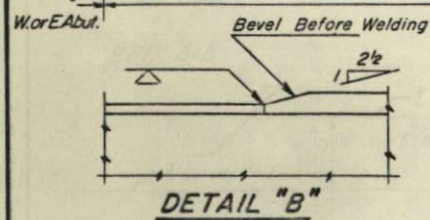
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
74-68	74-68	PIATT	64	36	15 SHEETS
P.A.I. 72	74-68	PIATT	64	36	15 SHEETS
P.A.I. 72	74-68	PIATT	64	36	15 SHEETS



HALF GIRDER ELEVATION

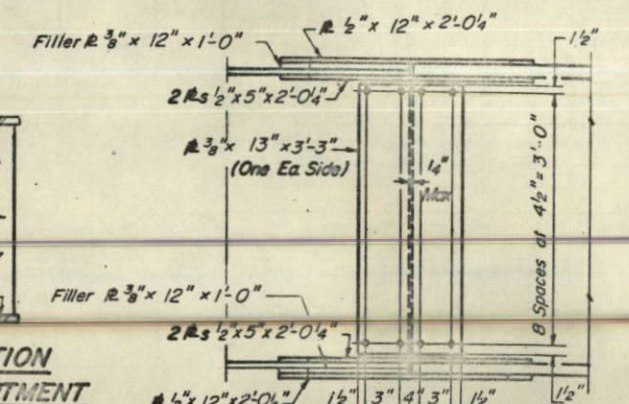
All flange steel shall be AASHO M223, Remaining steel shall be AASHO M183
* Grade 50



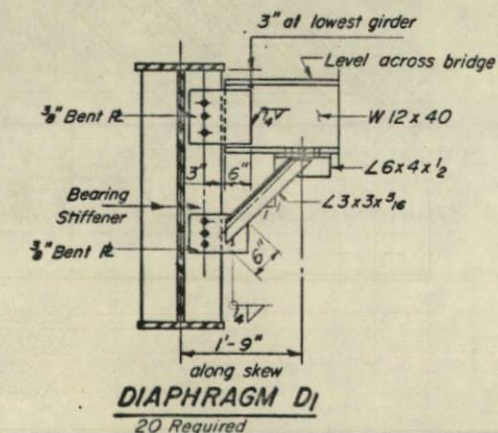
DIAPHRAGM D
90 Required

SECTION
AT PIER

SECTION
AT ABUTMENT



FIELD SPLICE DETAIL



DIAPHRAGM D1
20 Required

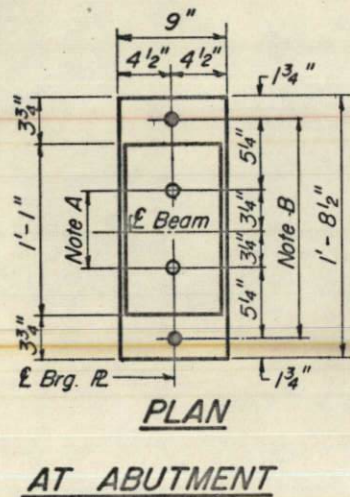
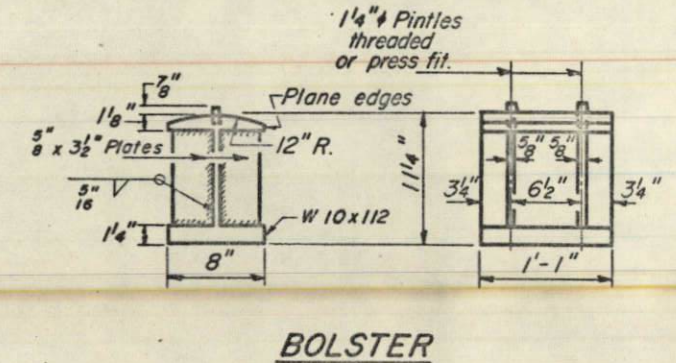
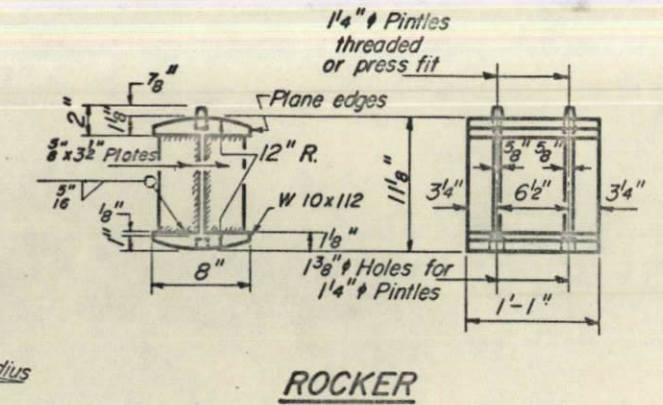
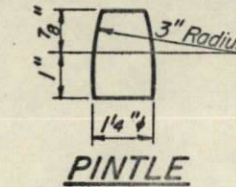
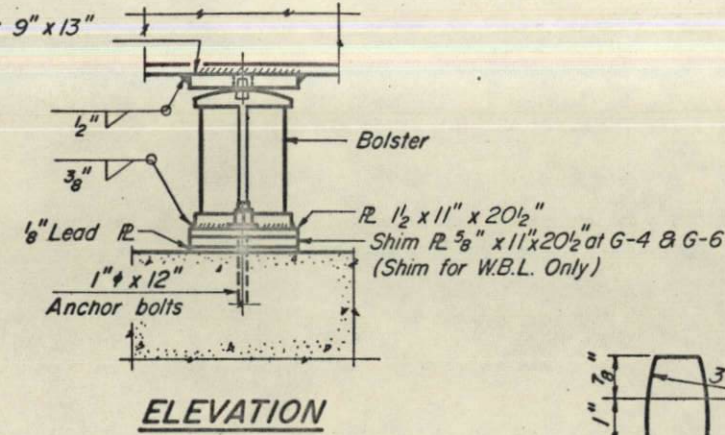
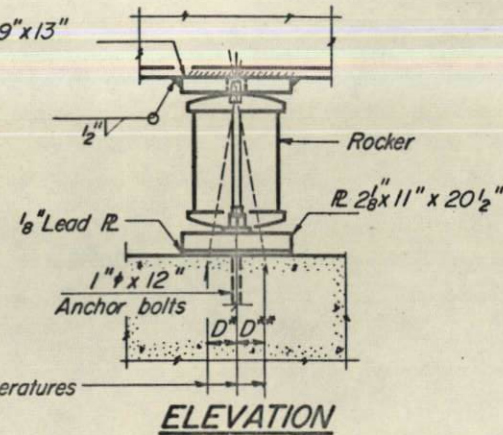
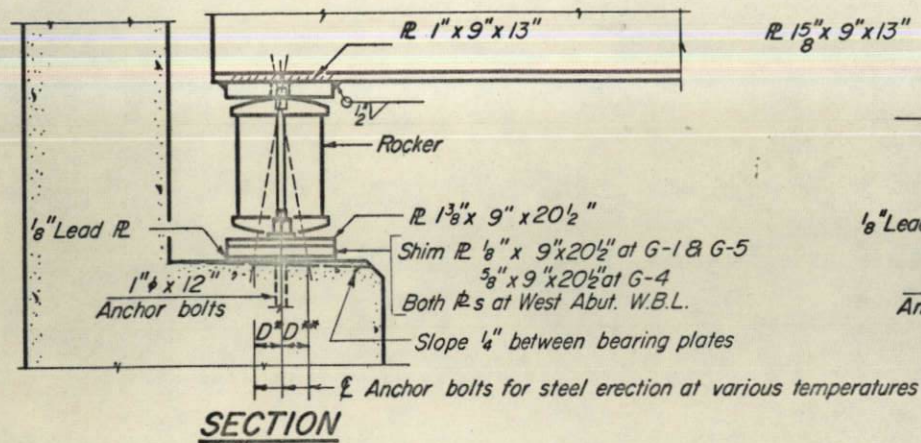
STRUCTURAL STEEL
EAST & WEST BOUND LANES
F.A.I. RT. 72 SEC. 74-68VB
PIATT COUNTY
STA. 1438+70.61

DESIGNED	Sol. J. J. J.
CHECKED	W. H. H.
DRAWN	R. Barnett
CHECKED	W. H. H.

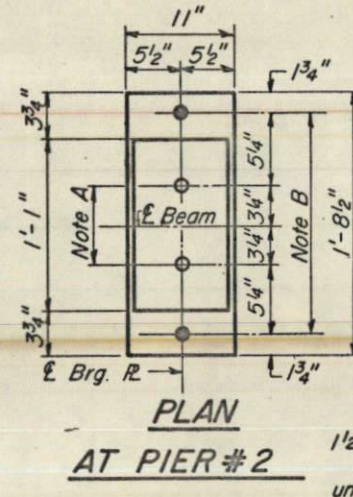
EXAMINED	Dec 4 1972
PASSED	
APPROVED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

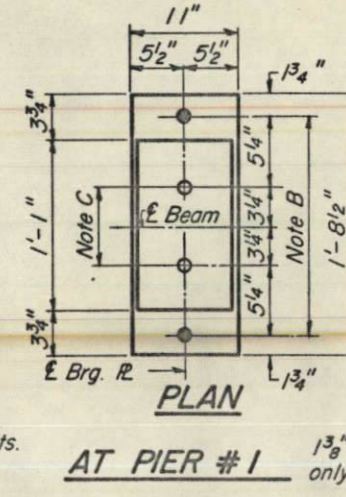
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
F.A.I. 72	74-68 (8-1,VB)	PIATT	64	37	15 SHEETS
FED. ROAD DIST. NO. 7	HA/NO. 8	FED. AID PROJECT			



NOTE A
1 3/8" Holes - 1" deep in top R.
for pintles. Thread or press fit
pintles into bottom R.



NOTE B
1 1/2" Holes for 1" anchor bolts.
1 5/8" x 2 1/2" x 2 1/2" R. Washers
under nut.



NOTE C
1 3/8" Holes 1" deep in top R.
only for 1/4" pintles.

NOTES ON SETTING OF ANCHOR BOLTS AT EXP. BRGS.

- a) D* (Side of brg. away from fixed brg.)
D* = 1/8" per each 100' of expansion for
every 15° fall below the normal temp.
of 50°F.
- D** (Side of brg. toward fixed brg.)
D** = 1/8" per each 100' of expansion for
every 15° rise above the normal temp.
of 50°F.

- b) After beams have been erected and dimensions D* or D**
determined, holes shall be drilled and anchor bolts shall
be grouted in place. All fixed anchor bolts may be built
into the masonry.

BEARING ASSEMBLY DETAILS

INTERIOR BEAM MOMENT TABLE			
	0.4 Sp. 1 or 3	Pier 1 or 2	0.5 Sp. 2
I (in ⁴)	10925	15251	10925
Q (k/ft)	1.3725	1.3725	1.3725
M _Q (k)	390.7	871.5	368.0
M _L (k)	482.7	453.5	450.1
Imp. (k)	120.7	151.2	150.0
M _{TOTAL} (k)	994.1	1476.2	968.1
f _s (ksi)	23.7	25.7	23.1

INTERIOR GIRDER REACTION TABLE		
	Abut.	Pier
R _Q (k)	33.0	117.3
R _L (k)	29.2	41.5
Imp. (k)	9.7	13.9
R _{TOTAL} (k)	71.9	172.7

ELEVATIONS TOP OF WEB

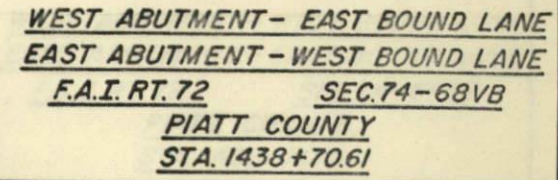
(For Fabrication Only)						
Loc.	Gir.	1	2	3	4	5
WEST BOUND LANE						
E Brg. W.A.		676.27	676.40	676.50	676.55	676.41
E Pier #1		676.29	676.44	676.55	676.60	676.48
E Spl. #1		676.30	676.45	676.56	676.62	676.50
E Spl. #2		676.30	676.45	676.57	676.65	676.52
E Pier #2		676.29	676.44	676.56	676.64	676.52
E Brg. E.A.		676.25	676.41	676.54	676.62	676.52
EAST BOUND LANE						
E Brg. W.A.		675.69	675.88	676.04	676.14	676.06
E Pier #1		675.93	676.11	676.25	676.34	676.26
E Spl. #1		676.00	676.17	676.31	676.40	676.31
E Spl. #2		676.12	676.30	676.43	676.51	676.41
E Pier #2		676.17	676.34	676.47	676.55	676.44
E Brg. E.A.		676.33	676.49	676.61	676.68	676.57

BEARING DETAILS

F.A.I. RT. 72 SEC. 74-68VB
PIATT COUNTY
STA. 1438+70.61

DESIGNED	Sub. Inman
CHECKED	W. H. Hines
DRAWN	P. G. Barnett
CHECKED	W. H.

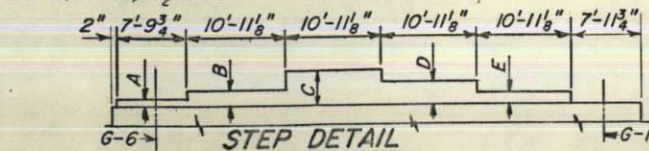
EXAMINED	Dec. 4 1972
PASSED	
APPROVED	



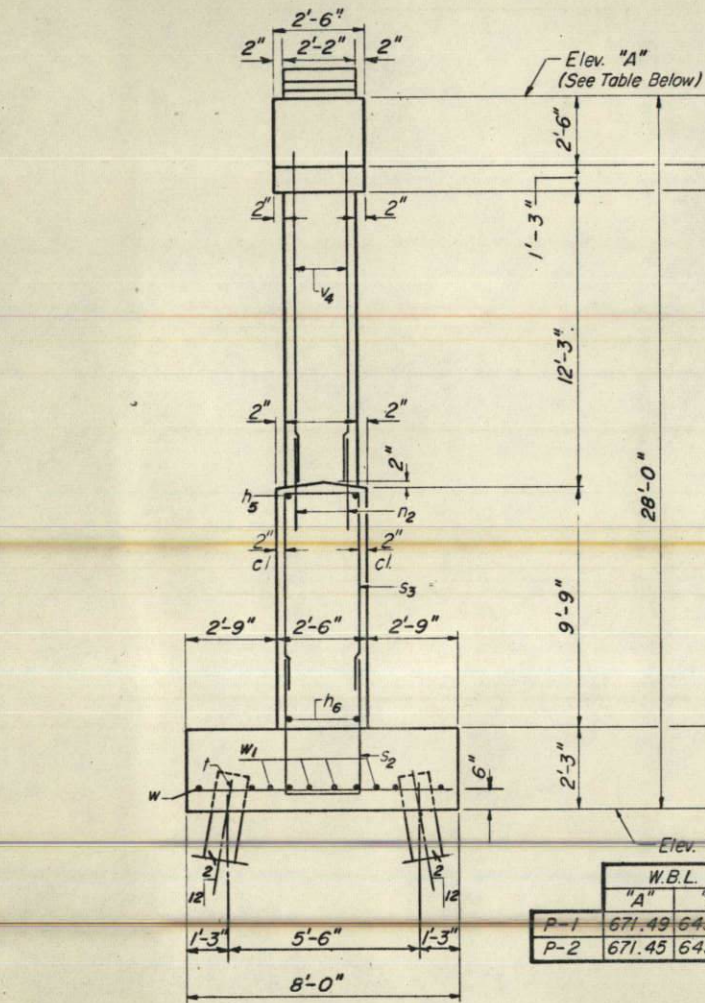
WEST ABUTMENT - EAST BOUND LANE
EAST ABUTMENT - WEST BOUND LANE
F.A.I. RT. 72 SEC. 74-68VB
PIATT COUNTY
STA. 1438+70.61

NOTES:

Space Reinforcement in cap to miss anchor bolts.
All edges shall have standard 3/4" chamfer except as noted.
Pour steps monolithically with cap.
Min Spiral lap=1 1/2 turns.



W.B.L.	P-1	A	B	C	D	E
	0"	2 1/4"	3 1/8"	3 1/8"	1 3/4"	1 3/4"
	1 1/4"	2 3/4"	4 1/4"	3 1/4"	1 3/4"	1 3/4"



END VIEW

PILE DATA

Type: Concrete
Capacity: 40 Tons
Est. Length: 42'-0" (P-1)
44'-0" (P-2)
No. Req'd: 39+1 Test Pile at P-1.

DESIGNED	Sel. Antam
CHECKED	W. H. Long
DRAWN	P. Barnett
CHECKED	W. H.

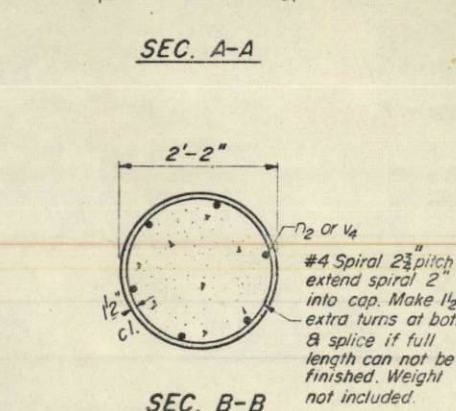
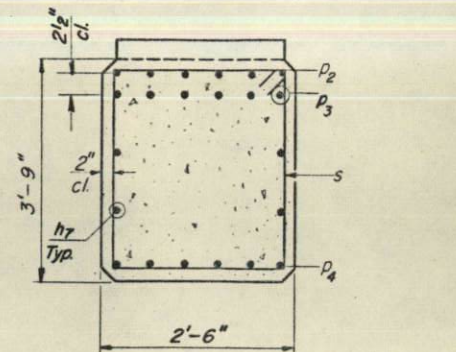
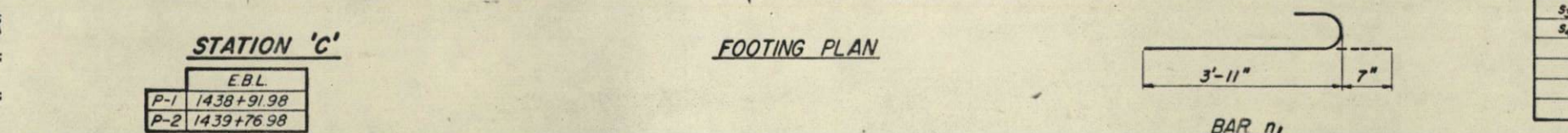
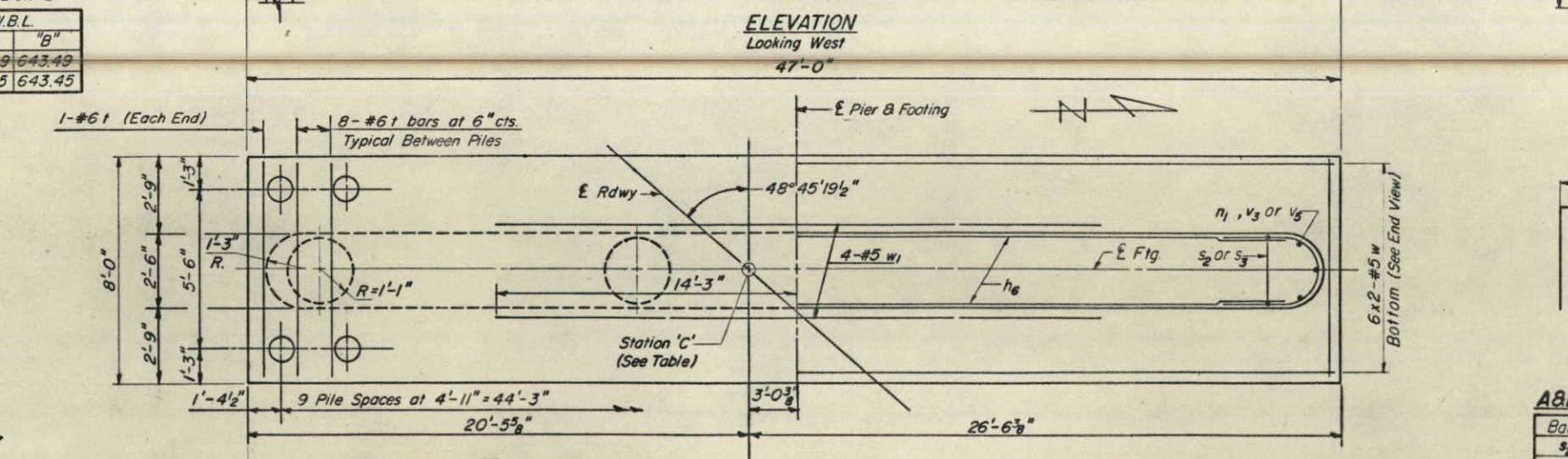
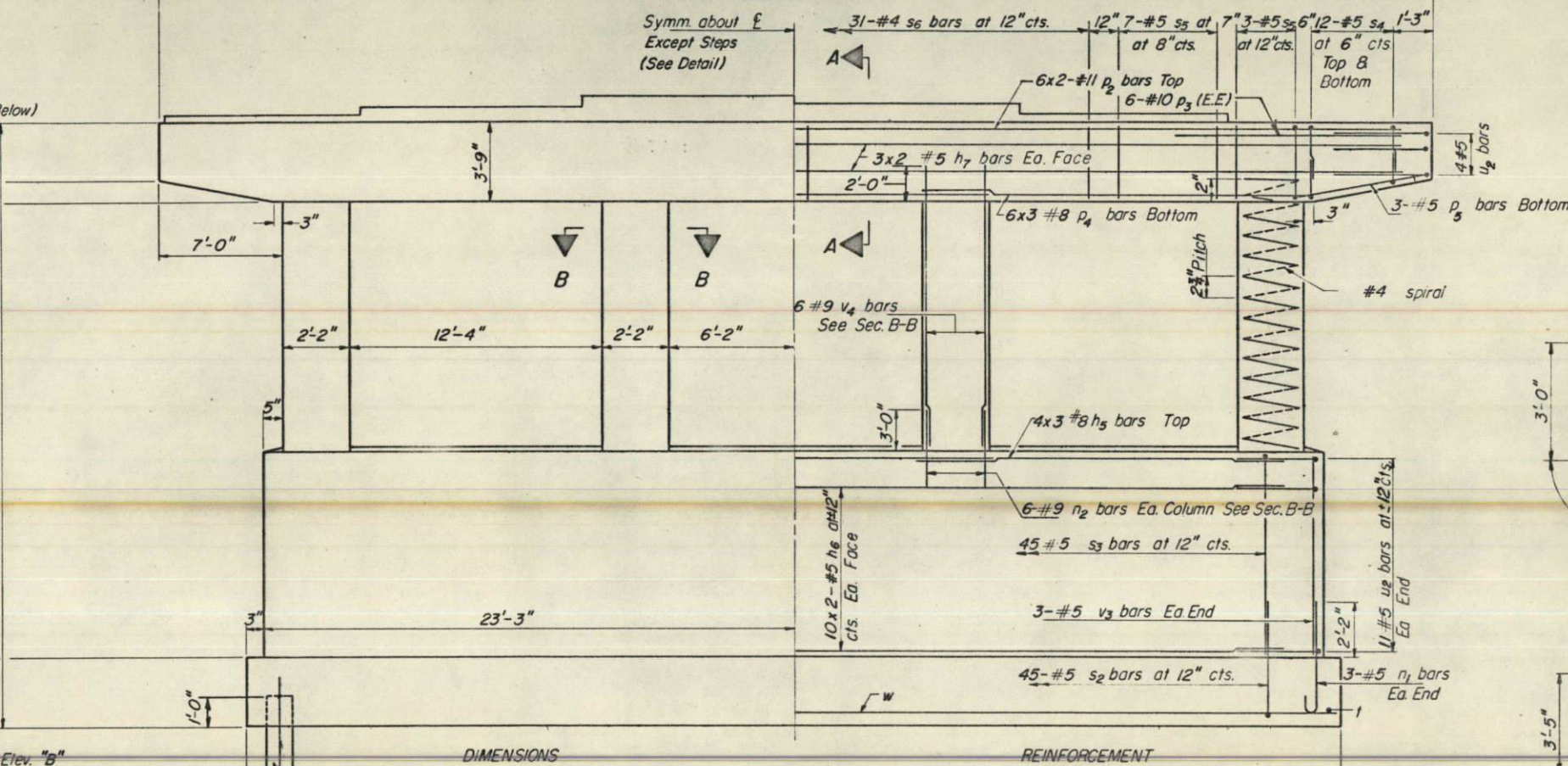
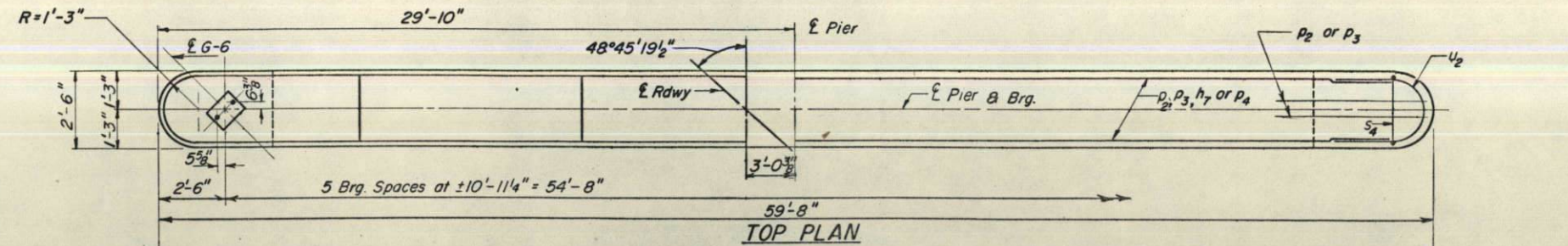
P-24 10-5-70

EXAMINED	Dec. 4 1972
PASSED	
APPROVED	

P-24 10-5-70

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
74-68	(B-1)VB	PIATT	64	40	15 SHEETS



* Vertical Height
** Includes 2.4 lbs./ft. of height for Sp. Spacer.

TWO PIERS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₅	24	#8	16'-6"	
h ₆	80	#5	22'-9"	
h ₇	24	#5	29'-0"	
n ₁	12	#5	4'-6"	
n ₂	48	#9	6'-0"	
p ₂	24	#11	30'-0"	
p ₃	24	#10	12'-0"	
p ₄	36	#8	16'-6"	
p ₅	12	#5	7'-0"	
s ₂	90	#5	10'-0"	
s ₃	90	#5	21'-4"	
s ₄	96	#5	6'-10"	
s ₅	40	#5	12'-1"	
s ₆	62	#4	11'-11"	
sp	8	#4	13'-5"	WWWW
w	148	#6	7'-9"	
u ₂	60	#5	9'-9"	
v ₃	12	#5	9'-6"	
v ₄	48	#9	14'-3"	
w	24	#5	24'-0"	
w ₁	8	#5	28'-6"	
Class X Concrete			Cu. Yds.	201.5
Reinforcement Bars			Lbs.	23,790
Concrete Piles			Lin. Ft.	1678
Test Piles (Conc.)			Each	1

A&B DIMENSIONS

Bar	A	B
s ₂	2'-2"	3'-11"
s ₃	2'-2"	9'-7"
s ₄	2'-2"	2'-4"

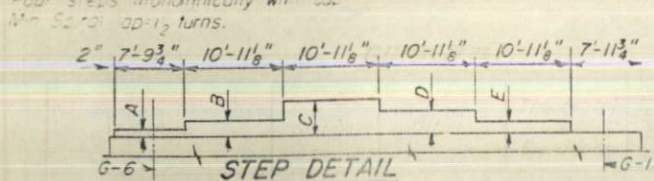
PIERS #1 & #2
WEST BOUND LANE
F.A.I. RT. 72 SEC. 74-68VB
PIATT COUNTY
STA. 1438+7061

NOTES

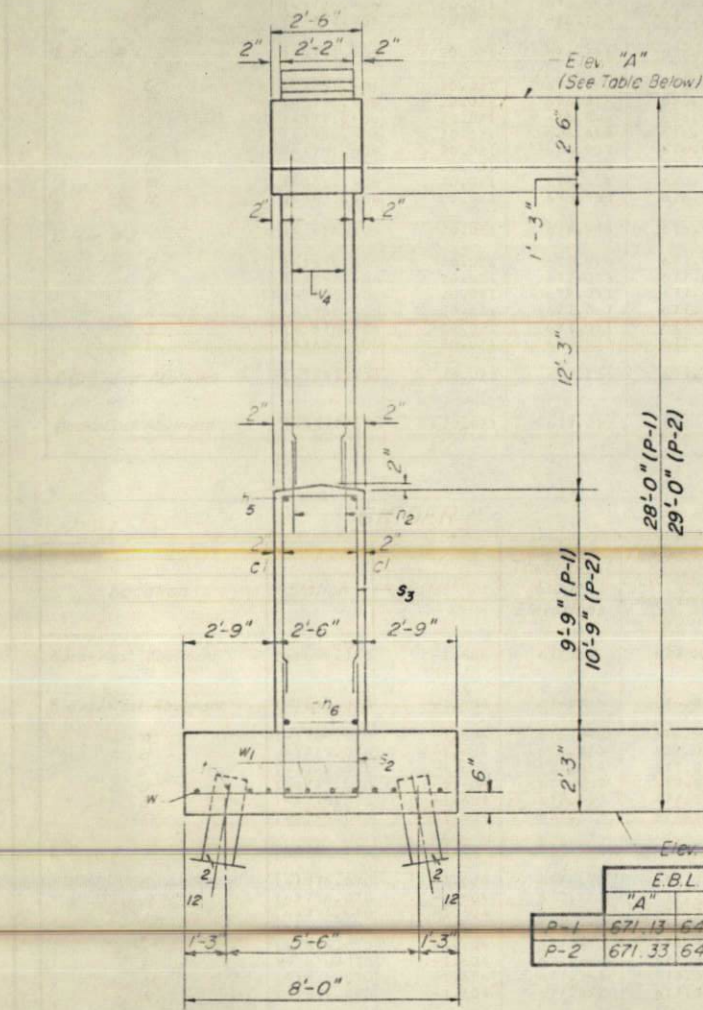
Space Reinforcement in cap 10 mss. anchor bolts.
All edges shall have standard 3/4 chamfer except as noted.
Four steps monolithically with cap.
Min. Spiral ap-1/2 turns.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROJECT	SHEET NO.	TOTAL SHEETS	DATE	BY
74-68 T2 (B-1,VB)	Platt	64	41	15 SHEETS



EBL	P-1	A	B	C	D	E
		2'-8"	4'	4'-8"	3'-8"	2'-8"
	F-2	1'-8"	3'-4"	4'-6"	3'-6"	2'



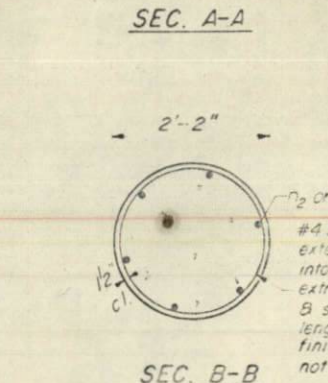
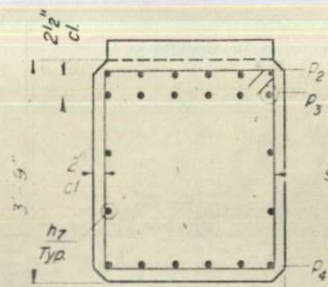
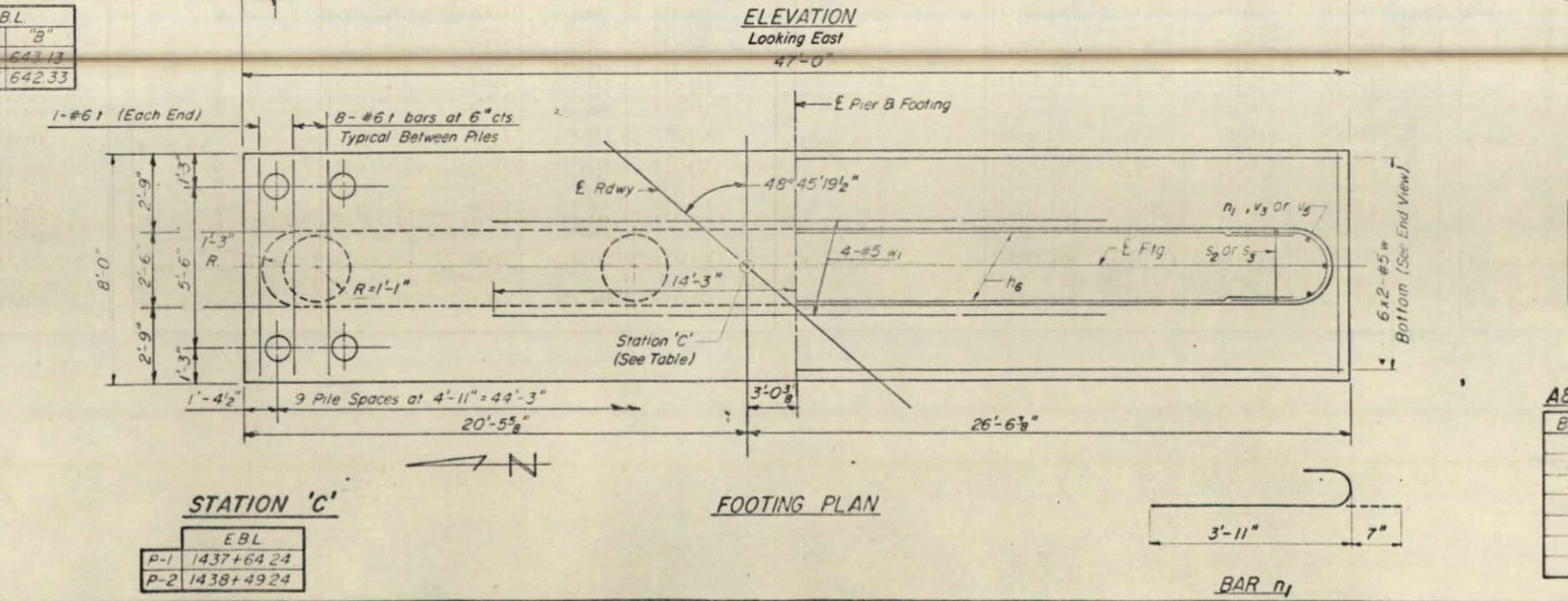
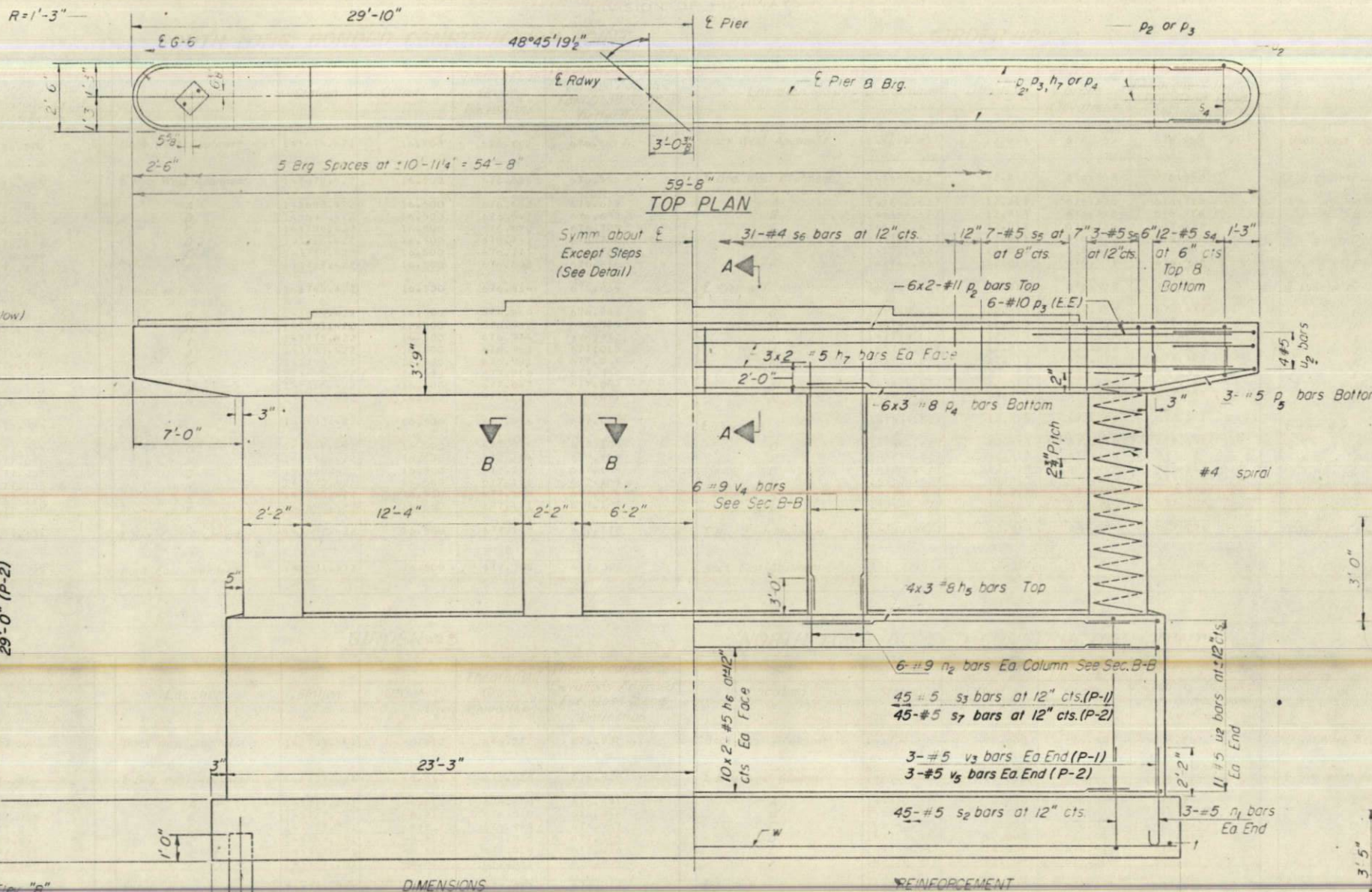
END VIEW

PILE DATA
Type Concrete
Capacity 40 Tons
Est. Length 47'-0" (P-1)
39'-0" (P-2)
No. Req'd: 39+1 Test Pile at P-2

DESIGNED	See Station
CHECKED	W. H. Jones
DRAWN	P. Barnett
CHECKED	W. H.

EXAMINED	Dec 4 1972
PASSED	
APPROVED	

P-24 10-5-70



* Vertical Height
** Includes 2-1/2 lbs./ft. of height for Sp. Spacer

TWO PIERS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h ₅	24	#8	16'-6"	
h ₆	80	#5	22'-9"	
h ₇	24	#5	29'-0"	
n ₁	12	#5	4'-6"	
n ₂	48	#9	6'-0"	
p ₂	24	#11	30'-0"	
p ₃	24	#10	12'-0"	
p ₄	36	#8	16'-6"	
p ₅	12	#5	7'-0"	
s ₂	90	#5	10'-0"	
s ₃	45	#5	21'-4"	
s ₄	96	#5	6'-0"	
s ₅	40	#5	12'-1"	
s ₆	62	#4	11'-11"	
sp	8	#4	13'-5"	
s ₇	45	#5	23'-4"	
t	148	#6	7'-9"	
u ₂	60	#5	9'-9"	
v ₃	6	#5	9'-6"	
v ₄	48	#9	14'-3"	
v ₅	6	#5	10'-6"	
w	24	#5	24'-0"	
w ₁	8	#5	28'-6"	

Class X Concrete	Cu Yds	2060
Reinforcement Bars	Lbs	23,890
Concrete Piles	Lin Ft	1691
Test Piles (Conc.)	Each	1

ABB DIMENSIONS

Bar	A	B
s ₂	2'-2"	3'-11"
s ₃	2'-2"	9'-7"
s ₄	2'-2"	2'-4"
s ₇	2'-2"	10'-7"

PIERS #1 & #2
EAST BOUND LANE
F.A.I. RT. 72 SEC. 74-68VB
PIATT COUNTY
STA. 1439+70.61

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	74-68 [E-VB]	COUNTY	PIATT	TOTAL SHEETS	42	SHEET NO. 11
F.A.I. RT. 72						15 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT				

GIRDER #1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143844.064	-20.021	677.244	677.244
E Brg. West Abutment	143847.814	-20.021	677.036	677.036
A	143857.814	-20.021	677.054	677.074
B	143867.814	-20.021	677.069	677.105
C	143877.814	-20.021	677.083	677.122
D	143887.814	-20.021	677.095	677.126
E	143897.814	-20.021	677.105	677.123
F	143907.814	-20.021	677.113	677.121
E Pier #1	143914.814	-20.021	677.118	677.118
G	143924.814	-20.021	677.124	677.137
H	143934.814	-20.021	677.128	677.154
I	143944.814	-20.021	677.130	677.168
J	143954.814	-20.021	677.130	677.180
K	143964.814	-20.021	677.129	677.173
L	143974.814	-20.021	677.126	677.158
M	143984.814	-20.021	677.121	677.141
N	143994.814	-20.021	677.114	677.121
E Pier #2	143999.814	-20.021	677.110	677.110
O	144009.814	-20.021	677.101	677.112
P	144019.814	-20.021	677.090	677.112
Q	144029.814	-20.021	677.078	677.113
R	144039.814	-20.021	677.063	677.101
S	144049.814	-20.021	677.047	677.082
T	144059.814	-20.021	677.029	677.044
E Brg. East Abutment	144066.814	-20.021	677.016	677.016
Back East Abutment	144070.564	-20.021	677.133	677.133

NORTH LONG. BONDED CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143840.948	-16.500	677.220	677.220
E Brg. West Abutment	143843.798	-16.500	677.102	677.102
A	143853.798	-16.500	677.120	677.141
B	143863.798	-16.500	677.136	677.172
C	143873.798	-16.500	677.151	677.190
D	143883.798	-16.500	677.163	677.195
E	143893.798	-16.500	677.174	677.192
F	143903.798	-16.500	677.183	677.191
E Pier #1	143910.798	-16.500	677.189	677.189
G	143920.798	-16.500	677.195	677.208
H	143930.798	-16.500	677.200	677.226
I	143940.798	-16.500	677.202	677.241
J	143950.798	-16.500	677.204	677.253
K	143960.798	-16.500	677.203	677.247
L	143970.798	-16.500	677.200	677.233
M	143980.798	-16.500	677.196	677.216
N	143990.798	-16.500	677.190	677.197
E Pier #2	143995.798	-16.500	677.187	677.187
O	144005.798	-16.500	677.178	677.189
P	144015.798	-16.500	677.168	677.190
Q	144025.798	-16.500	677.156	677.192
R	144035.798	-16.500	677.143	677.181
S	144045.798	-16.500	677.127	677.162
T	144055.798	-16.500	677.110	677.125
E Brg. East Abutment	144062.798	-16.500	677.097	677.097
Back East Abutment	144066.548	-16.500	677.215	677.215

GIRDER #2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143835.843	-12.813	677.288	677.288
E Brg. West Abutment	143839.593	-12.813	677.171	677.171
A	143849.593	-12.813	677.189	677.210
B	143859.593	-12.813	677.206	677.242
C	143869.593	-12.813	677.221	677.260
D	143879.593	-12.813	677.235	677.265
E	143889.593	-12.813	677.247	677.264
F	143899.593	-12.813	677.256	677.264
E Pier #1	143906.593	-12.813	677.262	677.262
G	143916.593	-12.813	677.269	677.283
H	143926.593	-12.813	677.275	677.301
I	143936.593	-12.813	677.278	677.316
J	143946.593	-12.813	677.280	677.330
K	143956.593	-12.813	677.280	677.324
L	143966.593	-12.813	677.278	677.311
M	143976.593	-12.813	677.275	677.295
N	143986.593	-12.813	677.270	677.276
E Pier #2	143991.593	-12.813	677.267	677.267
O	144001.593	-12.813	677.259	677.269
P	144011.593	-12.813	677.249	677.271
Q	144021.593	-12.813	677.238	677.273
R	144031.593	-12.813	677.225	677.263
S	144041.593	-12.813	677.211	677.246
T	144051.593	-12.813	677.194	677.209
E Brg. East Abutment	144058.593	-12.813	677.182	677.182
Back East Abutment	144062.343	-12.813	677.300	677.300

GIRDER #3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143827.622	-5.604	677.388	677.388
E Brg. West Abutment	143831.372	-5.604	677.271	677.271
A	143841.372	-5.604	677.291	677.312
B	143851.372	-5.604	677.309	677.345
C	143861.372	-5.604	677.326	677.365
D	143871.372	-5.604	677.341	677.372
E	143881.372	-5.604	677.354	677.372
F	143891.372	-5.604	677.365	677.373
E Pier #1	143898.372	-5.604	677.372	677.372
G	143908.372	-5.604	677.381	677.394
H	143918.372	-5.604	677.387	677.414
I	143928.372	-5.604	677.392	677.431
J	143938.372	-5.604	677.395	677.445
K	143948.372	-5.604	677.397	677.441
L	143958.372	-5.604	677.397	677.429
M	143968.372	-5.604	677.395	677.415
N	143978.372	-5.604	677.391	677.398
E Pier #2	143983.372	-5.604	677.388	677.388
O	143993.372	-5.604	677.382	677.393
P	144003.372	-5.604	677.374	677.396
Q	144013.372	-5.604	677.364	677.400
R	144023.372	-5.604	677.353	677.391
S	144033.372	-5.604	677.340	677.375
T	144043.372	-5.604	677.325	677.339
E Brg. East Abutment	144050.372	-5.604	677.313	677.313
Back East Abutment	144054.122	-5.604	677.432	677.432

GIRDER #4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143819.400	1.604	677.432	677.432
E Brg. West Abutment	143823.150	1.604	677.316	677.316
A	143833.150	1.604	677.337	677.358
B	143843.150	1.604	677.357	677.393
C	143853.150	1.604	677.375	677.414
D	143863.150	1.604	677.391	677.423
E	143873.150	1.604	677.406	677.424
F	143883.150	1.604	677.419	677.426
E Pier #1	143890.150	1.604	677.426	677.426
G	143900.150	1.604	677.436	677.450
H	143910.150	1.604	677.444	677.471
I	143920.150	1.604	677.451	677.489
J	143930.150	1.604	677.455	677.505
K	143940.150	1.604	677.458	677.502
L	143950.150	1.604	677.460	677.492
M	143960.150	1.604	677.459	677.479
N	143970.150	1.604	677.457	677.463
E Pier #2	143975.150	1.604	677.455	677.455
O	143985.150	1.604	677.450	677.460
P	143995.150	1.604	677.443	677.465
Q	144005.150	1.604	677.435	677.470
R	144015.150	1.604	677.425	677.463
S	144025.150	1.604	677.413	677.448
T	144035.150	1.604	677.400	677.414
E Brg. East Abutment	144042.150	1.604	677.389	677.389
Back East Abutment	144045.900	1.604	677.508	677.508

GIRDER #5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143811.179	8.812	677.300	677.300
E Brg. West Abutment	143814.929	8.812	677.184	677.184
A	143824.929	8.812	677.207	677.228
B	143834.929	8.812	677.228	677.264
C	143844.929	8.812	677.248	677.287
D	143854.929	8.812	677.265	677.297
E	143864.929	8.812	677.281	677.299
F	143874.929	8.812	677.296	677.303
E Pier #1	143881.929	8.812	677.304	677.304
G	143891.929	8.812	677.316	677.329
H	143901.929	8.812	677.325	677.352
I	143911.929	8.812	677.333	677.371
J	143921.929	8.812	677.339	677.389
K	143931.929	8.812	677.343	677.387
L	143941.929	8.812	677.346	677.379
M	143951.929	8.812	677.347	677.367
N	143961.929	8.812	677.346	677.353
E Pier #2	143966.929	8.812	677.345	677.345
O	143976.929	8.812	677.342	677.352
P	143986.929	8.812	677.336	677.358
Q	143996.929	8.812	677.329	677.365
R	144006.929	8.812	677.321	677.359
S	144016.929	8.812	677.310	677.345
T	144026.929	8.812	677.298	677.313
E Brg. East Abutment	144033.929	8.812	677.289	677.289
Back East Abutment	144037.679	8.812	677.408	677.408

SOUTH LONG. BONDED CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143807.544	12.000	677.241	677.241
E Brg. West Abutment	143811.294	12.000	677.126	677.126
A	143821.294	12.000	677.149	677.170
B	143831.294	12.000	677.171	677.207
C	143841.294	12.000	677.191	677.230
D	143851.294	12.000	677.209	677.241
E	143861.294	12.000	677.226	677.244
F	143871.294	12.000	677.241	677.248
E Pier #1	143878.294	12.000	677.250	677.250
G	143888.294	12.000	677.262	677.275
H	143898.294	12.000	677.272	677.299
I	143908.294	12.000	677.281	677.319
J	143918.294	12.000	677.287	677.337
K	143928.294	12.000	677.292	677.336
L	143938.294	12.000	677.296	677.328
M	143948.294	12.000	677.297	677.317
N	143958.294	12.000	677.297	677.303
E Pier #2	143963.294	12.000	677.296	677.296
O	143973.294	12.000	677.293	677.304
P	143983.294	12.000	677.289	677.310
Q	143993.294	12.000	677.282	677.318
R	144003.294	12.000	677.274	677.312
S	144013.294	12.000	677.264	677.300
T	144023.294	12.000	677.253	677.288
E Brg. East Abutment	144030.294	12.000	677.244	677.244
Back East Abutment	144034.044	12.000	677.364	677.364

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74-68	74-68	PIATT	64	43
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

GIRDER #1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143670.650	20.021	676.570	676.570
E. Brg. West Abutment	143674.400	20.021	676.453	676.463
A	143684.400	20.021	676.510	676.531
B	143694.400	20.021	676.556	676.592
C	143704.400	20.021	676.599	676.638
D	143714.400	20.021	676.641	676.673
E	143724.400	20.021	676.682	676.699
F	143734.400	20.021	676.720	676.728
E Pier #1	143741.400	20.021	676.746	676.746
G	143751.400	20.021	676.762	676.795
H	143761.400	20.021	676.816	676.842
I	143771.400	20.021	676.858	676.886
J	143781.400	20.021	676.898	676.928
K	143791.400	20.021	676.907	676.951
L	143801.400	20.021	676.934	676.967
M	143811.400	20.021	676.959	676.979
N	143821.400	20.021	676.983	676.989
E Pier #2	143826.400	20.021	676.994	676.994
O	143836.400	20.021	677.015	677.025
P	143846.400	20.021	677.034	677.056
Q	143856.400	20.021	677.051	677.087
R	143866.400	20.021	677.067	677.105
S	143876.400	20.021	677.081	677.116
T	143886.400	20.021	677.093	677.108
E Brg. East Abutment	143893.400	20.021	677.101	677.101
Back. East Abutment	143897.150	20.021	677.229	677.229

SOUTH LONG. BONDED CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143670.672	16.500	676.662	676.662
E. Brg. West Abutment	143678.422	16.500	676.555	676.555
A	143688.422	16.500	676.602	676.623
B	143698.422	16.500	676.647	676.693
C	143708.422	16.500	676.690	676.729
D	143718.422	16.500	676.731	676.762
E	143728.422	16.500	676.771	676.788
F	143738.422	16.500	676.808	676.816
E Pier #1	143745.422	16.500	676.834	676.834
G	143755.422	16.500	676.859	676.882
H	143765.422	16.500	676.902	676.929
I	143775.422	16.500	676.934	676.972
J	143785.422	16.500	676.953	677.013
K	143795.422	16.500	676.991	677.045
L	143805.422	16.500	677.018	677.050
M	143815.422	16.500	677.042	677.062
N	143825.422	16.500	677.055	677.071
E Pier #2	143830.422	16.500	677.076	677.076
O	143840.422	16.500	677.096	677.106
P	143850.422	16.500	677.114	677.136
Q	143860.422	16.500	677.131	677.166
R	143870.422	16.500	677.146	677.184
S	143880.422	16.500	677.159	677.194
T	143890.422	16.500	677.171	677.185
E Brg. East Abutment	143897.422	16.500	677.178	677.178
Back. East Abutment	143901.172	16.500	677.306	677.306

GIRDER #2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143678.877	12.813	676.759	676.759
E. Brg. West Abutment	143682.627	12.813	676.652	676.652
A	143692.627	12.813	676.698	676.718
B	143702.627	12.813	676.742	676.778
C	143712.627	12.813	676.784	676.823
D	143722.627	12.813	676.825	676.856
E	143732.627	12.813	676.863	676.881
F	143742.627	12.813	676.901	676.908
E Pier #1	143749.627	12.813	676.926	676.926
G	143759.627	12.813	676.950	676.973
H	143769.627	12.813	676.992	677.019
I	143779.627	12.813	677.023	677.061
J	143789.627	12.813	677.052	677.102
K	143799.627	12.813	677.079	677.123
L	143809.627	12.813	677.105	677.137
M	143819.627	12.813	677.129	677.149
N	143829.627	12.813	677.151	677.157
E Pier #2	143834.627	12.813	677.161	677.161
O	143844.627	12.813	677.180	677.191
P	143854.627	12.813	677.198	677.220
Q	143864.627	12.813	677.214	677.249
R	143874.627	12.813	677.228	677.266
S	143884.627	12.813	677.241	677.276
T	143894.627	12.813	677.252	677.266
E Brg. East Abutment	143901.627	12.813	677.258	677.258
Back. East Abutment	143905.377	12.813	677.386	677.386

GIRDER #3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143687.098	5.604	676.914	676.914
E. Brg. West Abutment	143690.848	5.604	676.806	676.806
A	143700.848	5.604	676.851	676.872
B	143710.848	5.604	676.893	676.929
C	143720.848	5.604	676.934	676.973
D	143730.848	5.604	676.973	677.005
E	143740.848	5.604	677.011	677.029
F	143750.848	5.604	677.047	677.054
E Pier #1	143757.848	5.604	677.071	677.071
G	143767.848	5.604	677.103	677.117
H	143777.848	5.604	677.134	677.161
I	143787.848	5.604	677.164	677.202
J	143797.848	5.604	677.191	677.241
K	143807.848	5.604	677.217	677.261
L	143817.848	5.604	677.241	677.274
M	143827.848	5.604	677.264	677.284
N	143837.848	5.604	677.284	677.291
E Pier #2	143842.848	5.604	677.294	677.294
O	143852.848	5.604	677.312	677.322
P	143862.848	5.604	677.328	677.350
Q	143872.848	5.604	677.343	677.378
R	143882.848	5.604	677.356	677.394
S	143892.848	5.604	677.367	677.402
T	143902.848	5.604	677.376	677.391
E Brg. East Abutment	143904.848	5.604	677.382	677.382
Back. East Abutment	143913.598	5.604	677.509	677.509

GIRDER #4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143695.320	-1.604	677.014	677.014
E. Brg. West Abutment	143699.070	-1.604	676.905	676.905
A	143709.070	-1.604	676.948	676.969
B	143719.070	-1.604	676.990	677.026
C	143729.070	-1.604	677.029	677.068
D	143739.070	-1.604	677.057	677.098
E	143749.070	-1.604	677.103	677.121
F	143759.070	-1.604	677.137	677.145
E Pier #1	143766.070	-1.604	677.150	677.150
G	143776.070	-1.604	677.192	677.205
H	143786.070	-1.604	677.221	677.248
I	143796.070	-1.604	677.249	677.287
J	143806.070	-1.604	677.275	677.325
K	143816.070	-1.604	677.300	677.344
L	143826.070	-1.604	677.322	677.355
M	143836.070	-1.604	677.343	677.363
N	143846.070	-1.604	677.362	677.369
E Pier #2	143851.070	-1.604	677.371	677.371
O	143861.070	-1.604	677.388	677.398
P	143871.070	-1.604	677.403	677.425
Q	143881.070	-1.604	677.416	677.451
R	143891.070	-1.604	677.427	677.466
S	143901.070	-1.604	677.437	677.472
T	143911.070	-1.604	677.445	677.460
E Brg. East Abutment	143918.070	-1.604	677.450	677.450
Back. East Abutment	143921.820	-1.604	677.577	677.577

GIRDER #5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143703.541	-8.812	676.937	676.937
E. Brg. West Abutment	143707.291	-8.812	676.828	676.828
A	143717.291	-8.812	676.870	676.891
B	143727.291	-8.812	676.910	676.946
C	143737.291	-8.812	676.948	676.987
D	143747.291	-8.812	676.984	677.015
E	143757.291	-8.812	677.019	677.036
F	143767.291	-8.812	677.051	677.059
E Pier #1	143772.291	-8.812	677.073	677.073
G	143782.291	-8.812	677.103	677.117
H	143792.291	-8.812	677.132	677.158
I	143802.291	-8.812	677.158	677.196
J	143812.291	-8.812	677.183	677.232
K	143822.291	-8.812	677.206	677.250
L	143832.291	-8.812	677.227	677.260
M	143842.291	-8.812	677.247	677.267
N	143852.291	-8.812	677.264	677.271
E Pier #2	143859.291	-8.812	677.273	677.273
O	143869.291	-8.812	677.288	677.298
P	143879.291	-8.812	677.301	677.323
Q	143889.291	-8.812	677.313	677.348
R	143899.291	-8.812	677.323	677.361
S	143909.291	-8.812	677.331	677.366
T	143919.291	-8.812	677.338	677.352
E Brg. East Abutment	143926.291	-8.812	677.341	677.341
Back. East Abutment	143930.041	-8.812	677.468	677.468

NORTH LONG. BONDED CONSTRUCTION JOINT

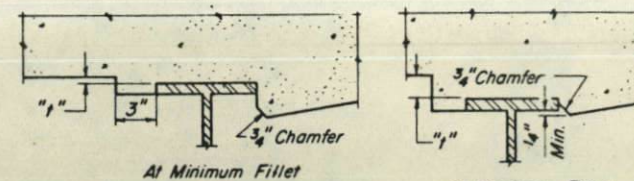
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143707.176	-12.000	676.903	676.903
E. Brg. West Abutment	143710.926	-12.000	676.794	676.794
A	143720.926	-12.000	676.835	676.856
B	143730.926	-12.000	676.874	676.910
C	143740.926	-12.000	676.911	676.950
D	143750.926	-12.000	676.947	676.978
E	143760.926	-12.000	676.981	676.999
F	143770.926	-12.000	677.013	677.021
E Pier #1	143777.926	-12.000	677.035	677.035
G	143787.926	-12.000	677.054	677.077
H	143797.926	-12.000	677.092	677.118
I	143807.926	-12.000	677.117	677.156
J	143817.926	-12.000	677.142	677.191
K	143827.926	-12.000	677.154	677.208
L	143837.926	-12.000	677.164	677.217
M	143847.926	-12.000	677.203	677.223
N	143857.926	-12.000	677.221	677.227
E Pier #2	143862.926	-12.000	677.228	677.228
O	143872.926	-12.000	677.243	677.253
P	143882.926	-12.000	677.256	677.278
Q	143892.926	-12.000	677.267	677.302
R	143902.926	-12.000	677.276	677.314
S	143912.926	-12.000	677.284	677.319
T	143922.926	-12.000	677.290	677.304
E Brg. East Abutment	143925.926	-12.000	677.293	677.293
Back. East Abutment	143933.676	-12.000	677.419	677.419

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 13
F.A.I. 72	74-68 (P-VB)	PIATT	64	44	15 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

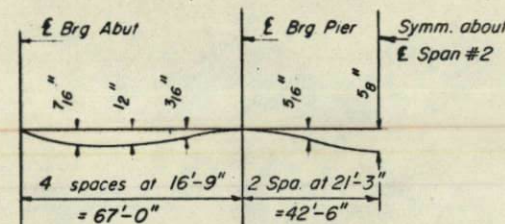
ROADWAY WEST BOUND LANES

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143821.230	-0.000	677.462	677.462
E Brg. West Abutment	143824.980	-0.000	677.345	677.345
A	143834.980	-0.000	677.366	677.387
B	143844.980	-0.000	677.385	677.421
C	143854.980	-0.000	677.403	677.442
D	143864.980	-0.000	677.419	677.450
E	143874.980	-0.000	677.433	677.451
F	143884.980	-0.000	677.446	677.453
E Pier #1	143891.980	-0.000	677.453	677.453
G	143901.980	-0.000	677.463	677.476
H	143911.980	-0.000	677.471	677.497
I	143921.980	-0.000	677.477	677.515
J	143931.980	-0.000	677.481	677.531
K	143941.980	-0.000	677.484	677.528
L	143951.980	-0.000	677.485	677.517
M	143961.980	-0.000	677.484	677.504
N	143971.980	-0.000	677.481	677.488
E Pier #2	143976.980	-0.000	677.479	677.479
O	143986.980	-0.000	677.474	677.484
P	143996.980	-0.000	677.467	677.489
Q	144006.980	-0.000	677.458	677.494
R	144016.980	-0.000	677.448	677.486
S	144026.980	-0.000	677.436	677.471
T	144036.980	-0.000	677.422	677.437
E Brg. East Abutment	144043.980	-0.000	677.411	677.411
Back East Abutment	144047.730	-0.000	677.530	677.530



To determine "1": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown minus slab thickness, equals the fillet heights "1" above top flange of beams.

FILLET HEIGHTS



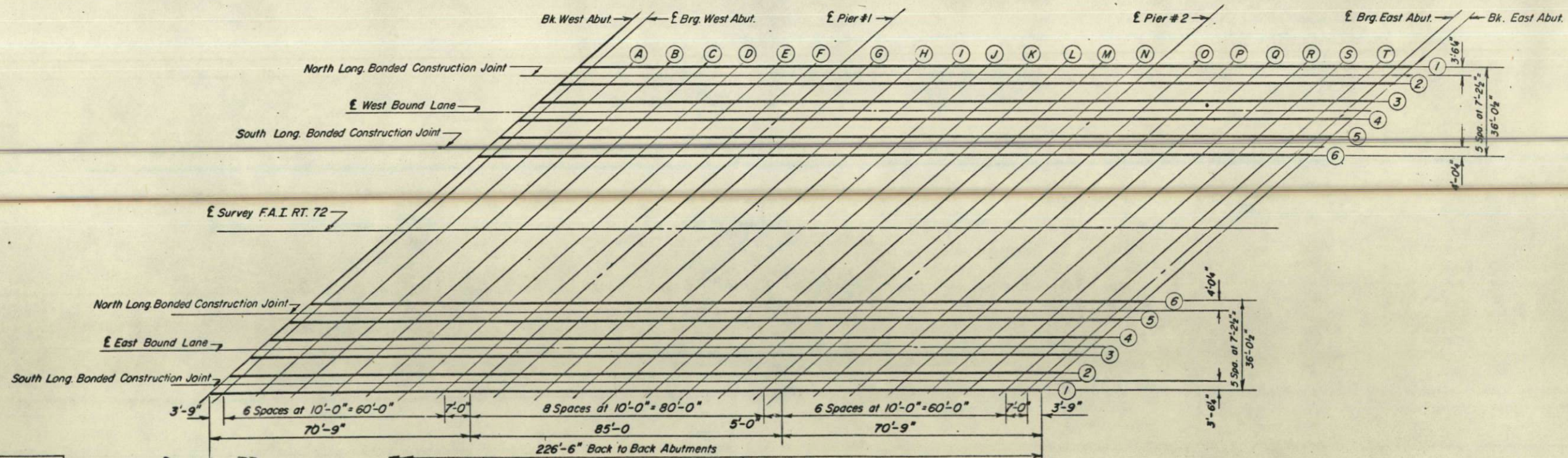
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)

Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown.

ROADWAY EAST BOUND LANES

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abutment	143693.490	0.000	677.031	677.031
E Brg. West Abutment	143697.240	0.000	676.922	676.922
A	143707.240	0.000	676.966	676.987
B	143717.240	0.000	677.007	677.043
C	143727.240	0.000	677.047	677.086
D	143737.240	0.000	677.085	677.116
E	143747.240	0.000	677.122	677.139
F	143757.240	0.000	677.156	677.163
E Pier #1	143764.240	0.000	677.179	677.179
G	143774.240	0.000	677.211	677.224
H	143784.240	0.000	677.241	677.268
I	143794.240	0.000	677.269	677.307
J	143804.240	0.000	677.296	677.345
K	143814.240	0.000	677.320	677.364
L	143824.240	0.000	677.343	677.376
M	143834.240	0.000	677.365	677.385
N	143844.240	0.000	677.384	677.391
E Pier #2	143847.240	0.000	677.393	677.393
O	143859.240	0.000	677.410	677.421
P	143869.240	0.000	677.425	677.447
Q	143879.240	0.000	677.439	677.474
R	143889.240	0.000	677.451	677.499
S	143899.240	0.000	677.451	677.496
T	143909.240	0.000	677.469	677.483
E Brg. East Abutment	143916.240	0.000	677.474	677.474
Back East Abutment	143910.990	0.000	677.601	677.601



DESIGNED	Sel. H. H. H.
CHECKED	W. H. H.
DRAWN	P. Barnett
CHECKED	W. H.

EXAMINED	DEC 4 1972
PASSED	
APPROVED	

TOP OF SLAB ELEVATIONS

F.A.I. RT. 72 SEC 74-68VB
PIATT COUNTY
STA. 1438+70.61

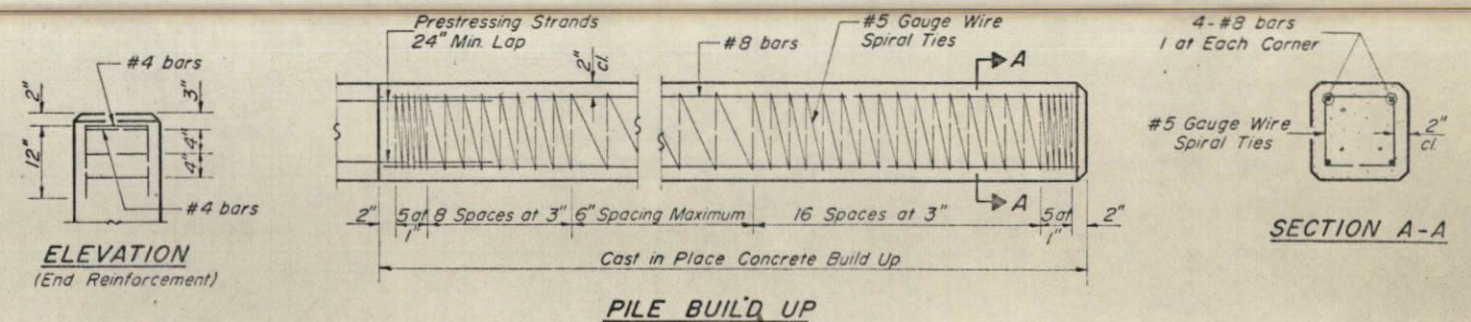
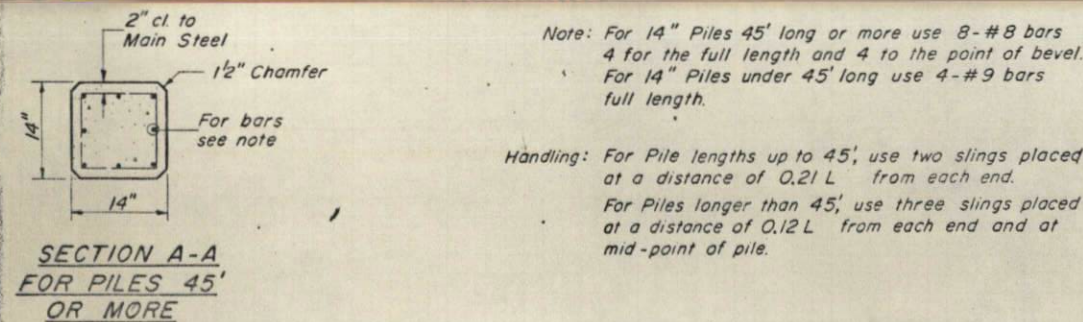
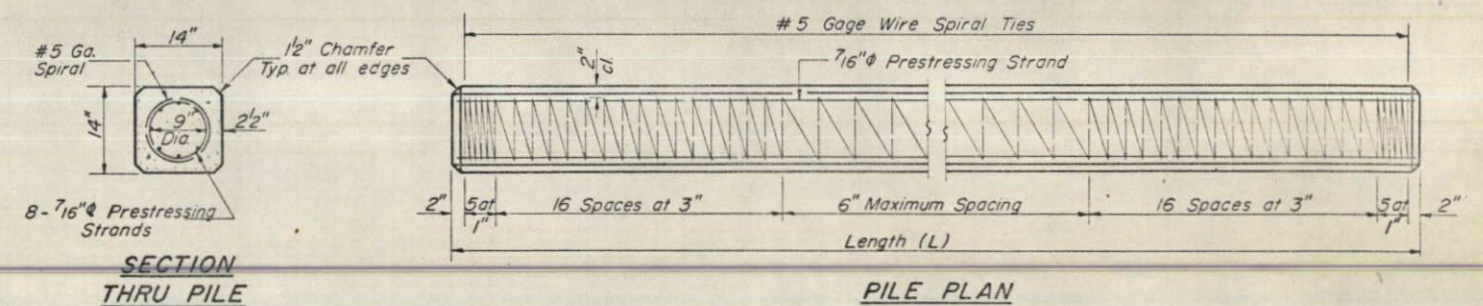
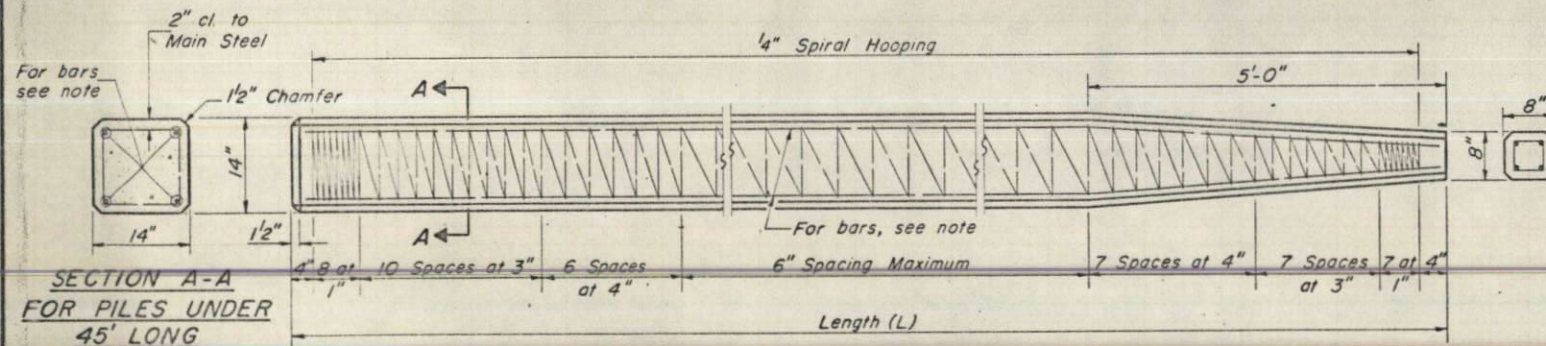
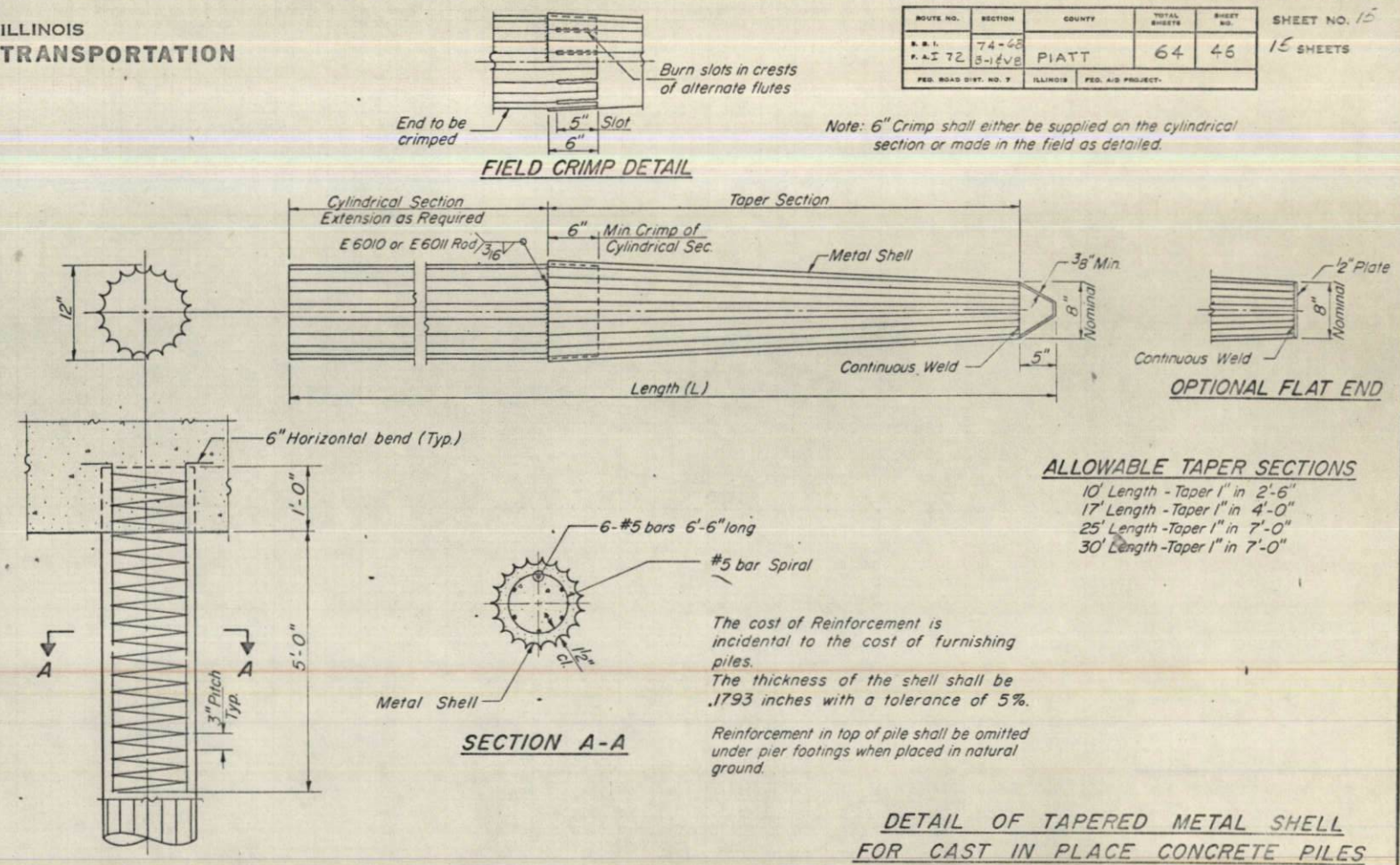
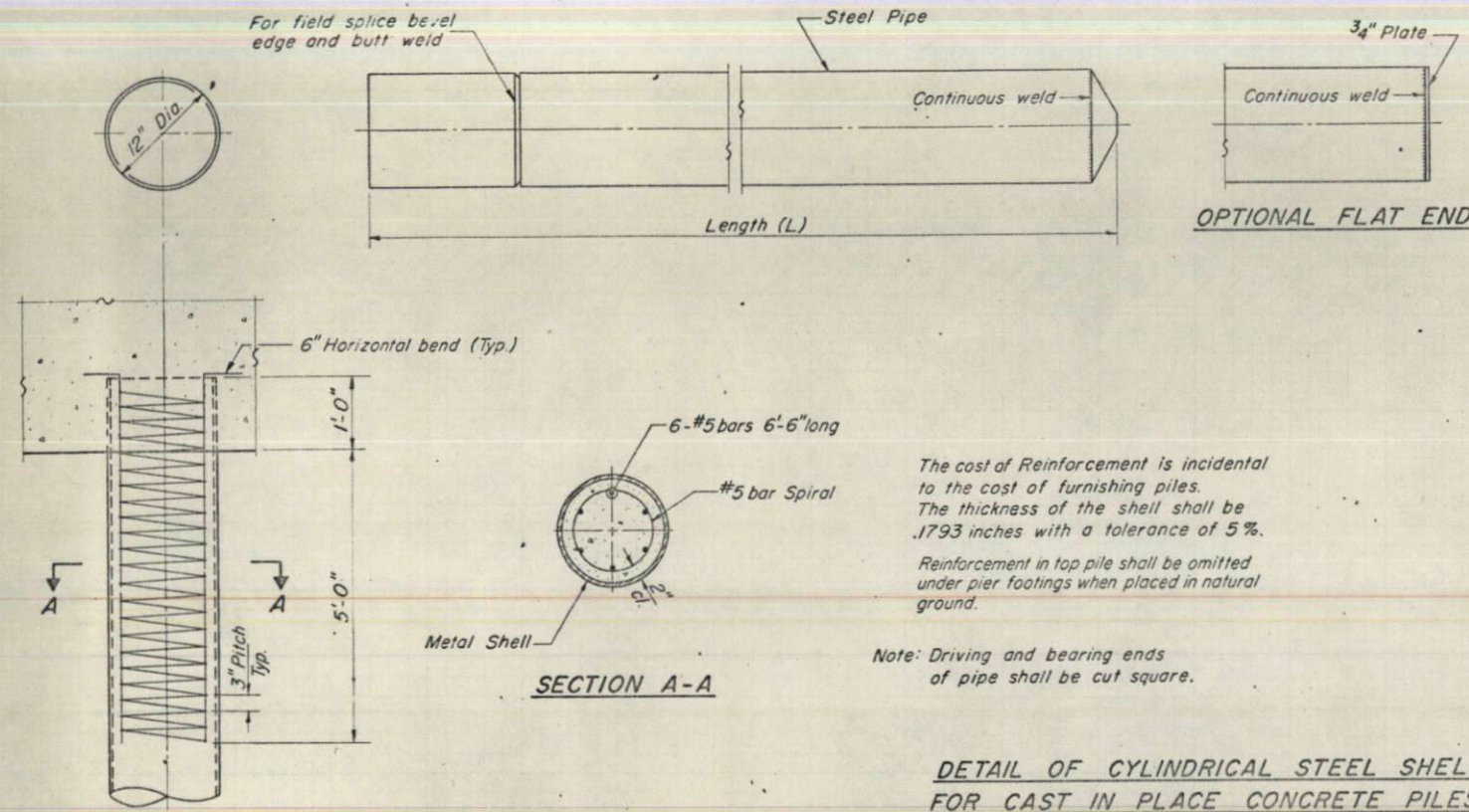
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 14
74-68	74-68	Piatt	64	45	15 SHEETS
F.A.I. RT. 72	SEC. 74-68VB	ILLINOIS	FED. AID PROJECT		

Boring No.	Station	Offset	Ground Surface	Surface Water El.	Groundwater El. at Completion	After 24 Hours	Elevation	N	Qu t/l	w (%)	Surface Water El.	Groundwater El. at Completion	After 24 Hours	Elevation	N	Qu t/l	w (%)
1	1436+72	56' RT	640.2		634.7	634.2											
			638.7	STIFF BLACK SILTY CLAY													
			636.2	LOOSE BROWN SAND				10	3.1B	23							
			633.7														
			631.2														
			629.2	LOOSE BROWN SAND				5	1.0B	24							
			627.2														
			625.2														
			623.2	MEDIUM BROWN SAND AND GRAVEL				15									
			621.2														
			619.2														
			617.2														
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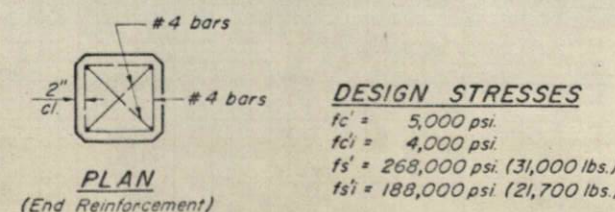
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
74-68	74-68	PIATT	64	46	15 SHEETS
F.A.I.R.T. 72	SEC 74-68VB	ILLINOIS	FED. AID PROJECT		



DESIGNED	Sal P. P.
CHECKED	W. Hsiong
DRAWN	P. Barnett
CHECKED	WH

EXAMINED	W. Hsiong
PASSED	W. Hsiong
APPROVED	W. Hsiong



Note: Prestressing steel shall be non-galvanized extra high strength stress-relieved 7 wire strand. The nominal diameter shall be 7/16" and the minimum nominal cross-sectional area shall be 0.1155 square inch.

Handling: For pile lengths up to 65', use two slings placed at a distance of 0.21 L from each end. For piles longer than 65', use three slings placed at a distance of 0.12 L from each end at midpoint of pile.

PILE DETAILS
F.A.I.R.T. 72 SEC 74-68VB
PIATT COUNTY
STA. 1438+70.61