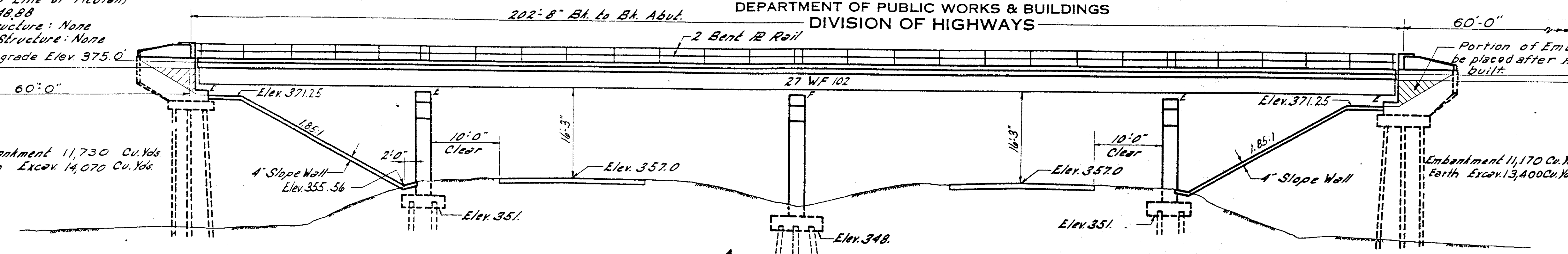
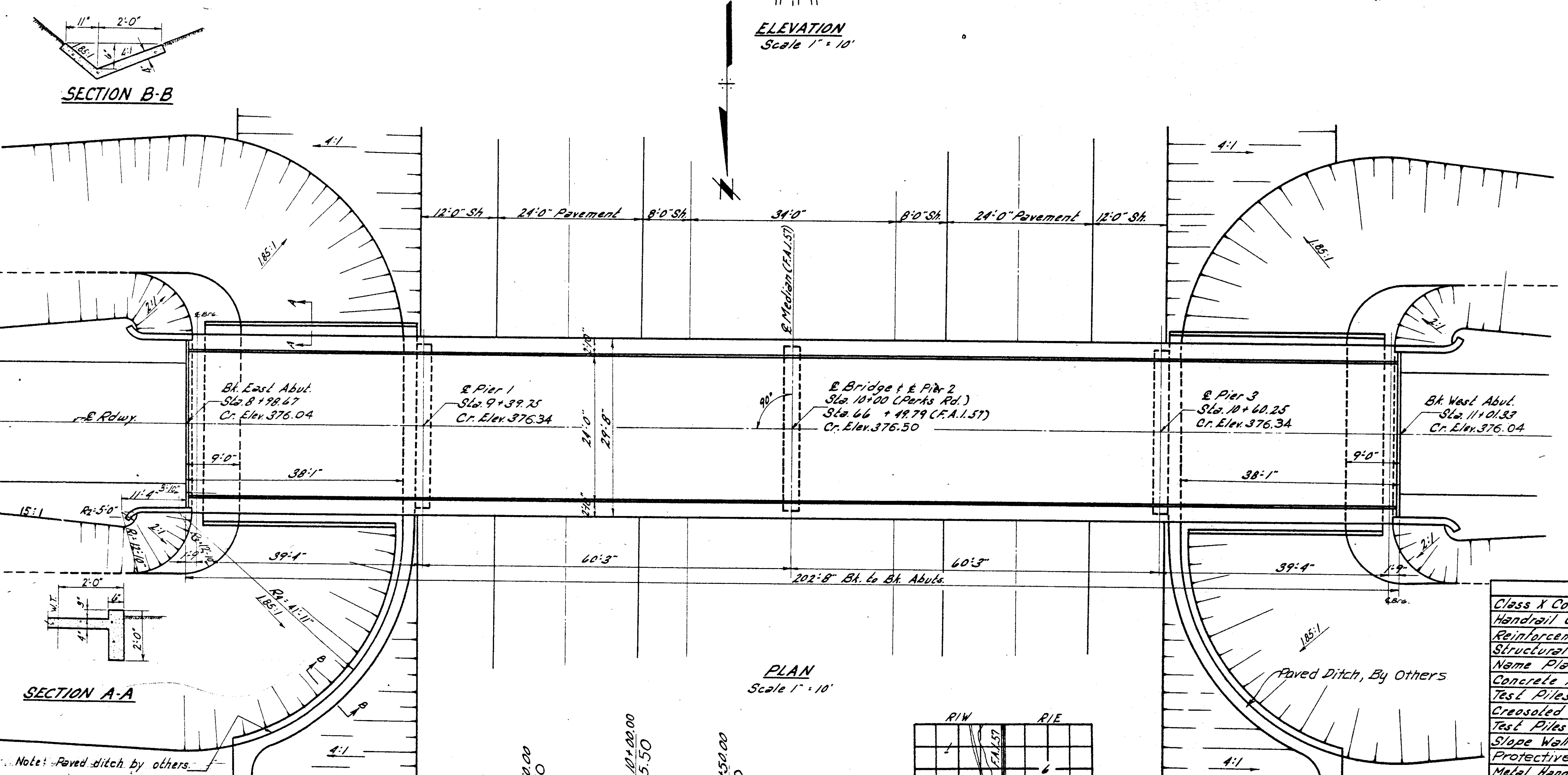
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	77-IHB-1	PULASKI	24	6
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT I-57-1(56)21		

SHEET NO. 1
9 SHEETS



ELEVATION
Scale 1" = 10'



PLAN
Scale 1" = 10'

GENERAL NOTES

Class X Concrete shall be used throughout except in end posts.

Handrail Concrete shall be used in end posts.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires, weighing 58# per 100 sq. ft.

Rivets 3/4" ∅, Open holes 13/16" ∅, unless noted.

Railings shall be adjusted to true alignment after falsework has been removed.

All bolsters, rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel. Est. Wt. 6,870#

Anchor bolts shall be set before riveting diaphragms over supports.

All steel handrail posts shall be vertical.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Article 56.1 to 56.5 inclusive of the Standard Specifications.

All paint shall be furnished and applied by the Contractor.

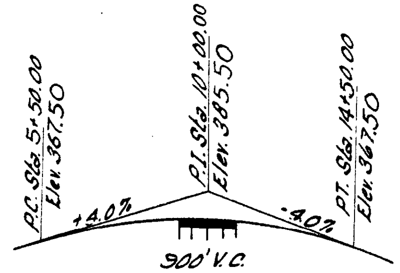
The contractor shall drive one concrete test pile in a permanent location at each abutment and one timber test pile in the vicinity of Pier 2 as directed by the engineer before ordering remainder of piles.

STATION 66 +49.79
BUILT 19 BY
STATE OF ILLINOIS
F.A.I. RT. 57 SEC. 77-IHB-1
F.A. PROJ. I-57-1(56)
LOADING H15-S12

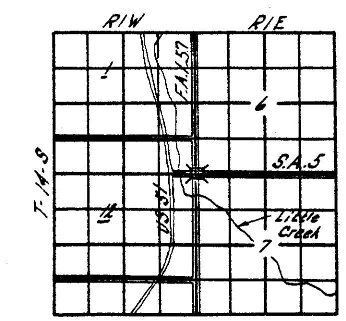
NAME PLATE
See Std. 2113

TOTAL BILL OF MATERIAL

Item		Super	Sub	Total
Class X Concrete	Cu. Yds.	159.5	153.4	312.9
Handrail Concrete	Cu. Yds.	2.3		2.3
Reinforcement Bars	Lbs.	~~34,590~~ (30,120)	12,580	~~47,170~~ (42,700)
Structural Steel	Lbs.	130,870		130,870
Name Plates	Ea.		2	2
Concrete Piles	Lin. Ft.		1,344	1,344
Test Piles (Concrete)	Ea.		2	2
Creosoted Timber Piles	Lin. Ft.		1,606	1,606
Test Piles (Timber)	Ea.		1	1
Slope Wall	Sq. Yds.		278	278
Protective Coat	Sq. Yds.	702		702
Metal Handrail	Lin. Ft.	401		401



PROFILE - PERKS RD.



LOCATION SKETCH

DESIGN STRESSES
f'c = 1,400 p.s.i. Super & Sub
v = 75 p.s.i. (Footings)
fs = 20,000 p.s.i. Reinf.
fs = 18,000 p.s.i. Struct.
n = 10

LOADING H15-S12-44

July 24 1959
EXAMINED — Engineer of Bridge and Traffic Structures
PASSED — Engineer of Design
APPROVED — Chief Highway Engineer
K. P. Lawler

PROJ. I-57-1(56)21
GENERAL PLAN & ELEVATION
PERKS ROAD
OVER
F.A.I. RT. 57 SEC. 77-IHB-1
PULASKI COUNTY
STA. 66 +49.79 (F.A.I. 57)

Changed quantity of Embankment from 7810 to 9432 Cu. Yds. at E. Abut. & from 7070 to 8026 at W. Abut. On ELEVATION; also changed BORROW Excav. to EARTH Excav. & quantity from 9768 to 11918 Cu. Yds. at E. Abut. & from 8860 to 1811 Cu. Yds. at W. Abut. Removed letter 'A' from station identification of Bridge.
T.K. - Perks Road Grade raised to provide 16'-3" clearance.

Rev. 2-26-62 W.L.P. Changed Embankment from 20'-0" to 60'-0". Rev. the Profile of Perks Rd. from +6% & -6% Grades, P.C. & P.T. Stations & Elev., from 800 V.C. to +4% & -4% Grades & P.C. & P.T. Elev. 367.50' & to 900' V.C. Changed Emb. from 9515 & 8509 to 11,730 & 11,170 & Bor. Exc. from 11,418 & 10211 to 14,070 & 13,400 Cu. Yds. Class X Conc. from 305.5 to 312.9 Cu. Yd. Reinf. Bars from 42,270 to 47,170#. Cl. X Conc. 163.1 to 153.4 Cu. Yd. Class X Conc. from 152.4 to 159.5. Reinf. Bars from 29,690 to 34,590

Revised 6/27/62 Quant. of Reinf. Bars

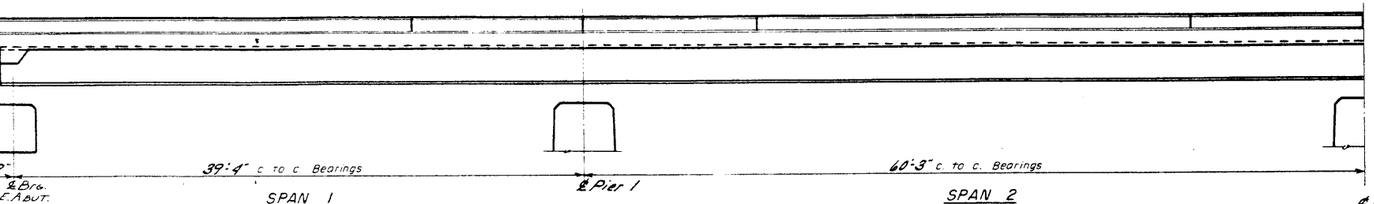
Reel 9-40

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

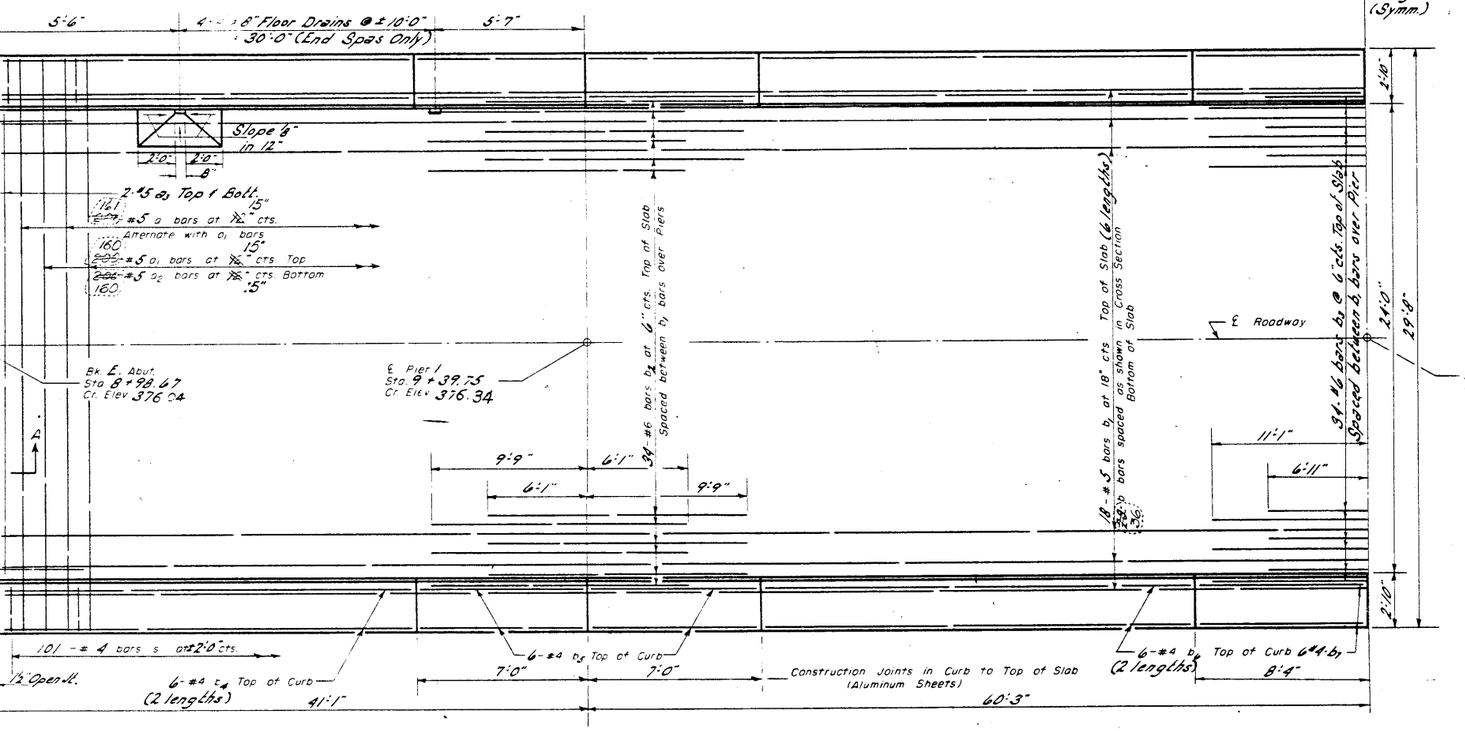
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.I. 57	77-1HB-1	PULASKI	24	7
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

SHEET NO. 2
9 SHEETS

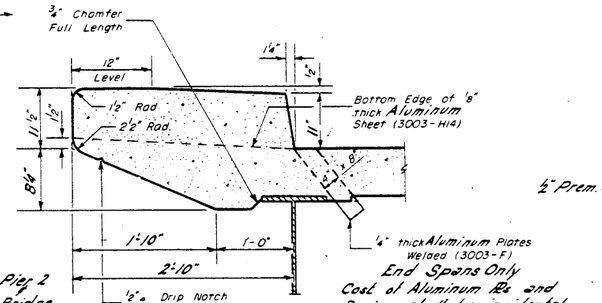
202'-8" Bk. to Bk. Abut.



HALF ELEVATION



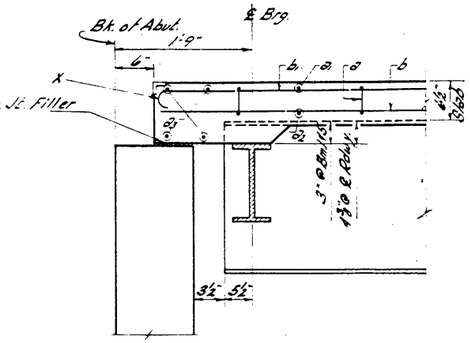
HALF PLAN



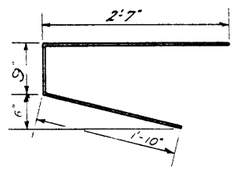
℄ Pier 2
℄ Bridge (Symm.)

CURB DETAIL

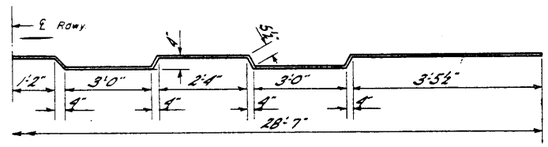
End Spans Only
Cost of Aluminum Rls and Drains shall be incidental.



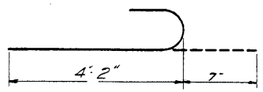
SECTION A-A



BAR s



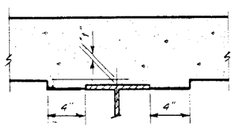
BAR a



BAR X

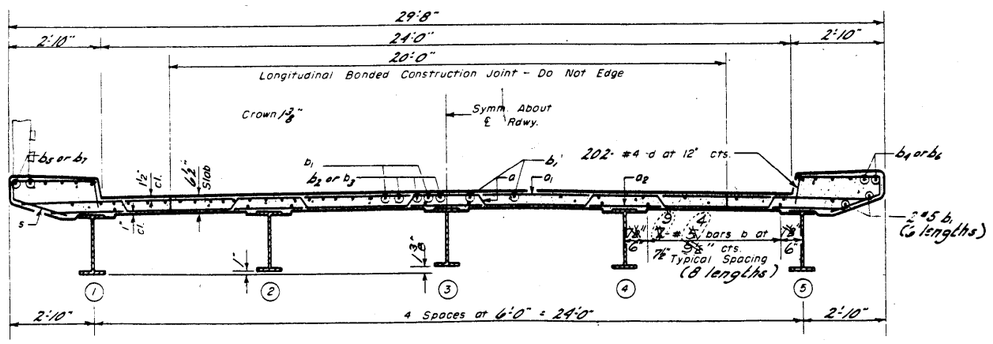
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
(161) a	202	#5	29'-7"	
(160) a_1	160	#5	28'-7"	
(160) a_2	160	#5	26'-9"	
a_3	8	#5	23'-8"	
(288) b	288	#5	26'-0"	
b_1	132	#5	34'-8"	
b_2	68	#6	15'-10"	
b_3	34	#6	18'-0"	
b_4	48	#4	17'-0"	
b_5	48	#4	6'-9"	
b_6	48	#4	23'-0"	
b_7	24	#4	8'-1"	
d	404	#4	1'-3"	
S	202	#4	5'-2"	
X	96	#5	4'-9"	
Class X Concrete			Cu. Yds.	1503.5
Reinforcement Bars			Lbs.	295
Structural Steel			Lbs.	130,870

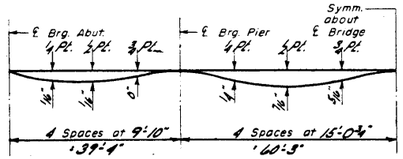


METHOD OF DETERMINING FILLET HEIGHT "f"

After all Structural Steel has been erected elevations of the top flanges of the beams shall be taken at intervals not to exceed 10 Ft. From these elevations subtract the increment of deflections for these points, determined from the D.L. Deflection Diagram. The elevations so attained subtracted from the theoretical grade elevations, minus floor thickness equals the fillet heights above top of beam.



OVER PIERS TYPICAL CROSS SECTION



DEAD LOAD DEFLECTION DIAGRAM
Concrete Only

DESIGN STRESSES
f_s = 18000 p.s.i. Structural Steel
f_s = 20000 p.s.i. Reinforcement
f_c = 1400 p.s.i. Superstructure
f_c = 1400 p.s.i. Substructure
n = 10

SIGNED	Hugo Kagans	July 24	'59
CKED	Carl Sadal	EXAMINED	M. Romme
	H.K. P. Lowler	PASSED	E. Strunk
WN	W.A. Sausaman	APPROVED	R.K. Bartelmeyer
CKED	Carl Sadal		

SUPERSTRUCTURE
PERKS ROAD
OVER
F.A.I. RT. 57 SEC. 77-1HB-1
PULASKI COUNTY
STA. 66 + 49.79 (F.A.I. 57)

Drawn 4-10-58 REV. 9-10-58 9-22-58 10-11-58

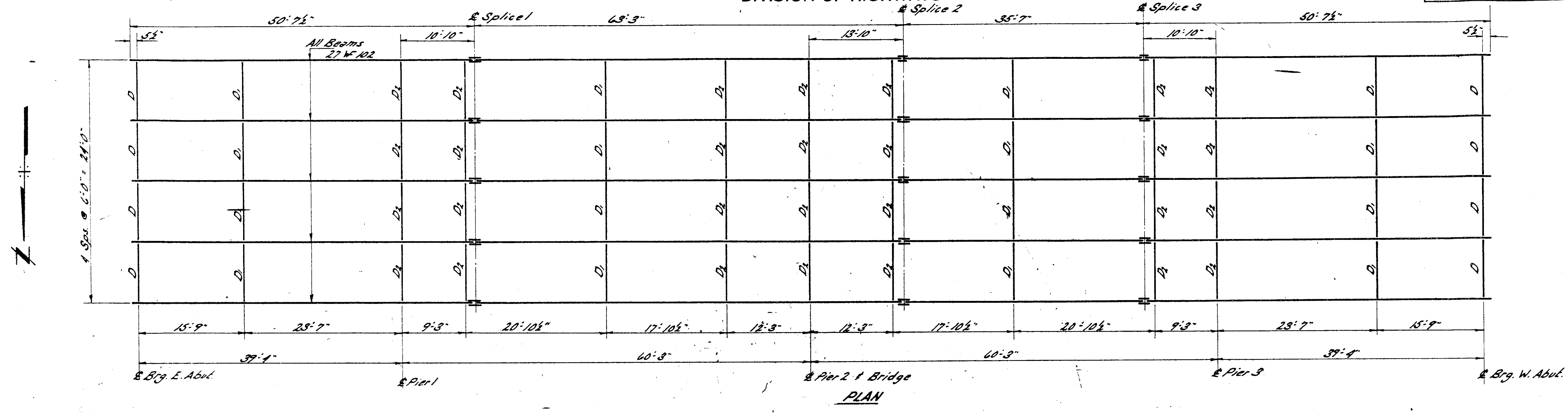
Revised 6/22/62 Distribution Steel in Slab. In Bill of Mat. numbers of a, a1, a2 & b bars adjd. Quantity of Reinf. Bar Steel

56-62 W.L.P. Rev. Curb from 9" to 11" Brgs. Main St. From 172 @ 19 cts & 171 @ 18 cts. to 201 @ 2 cts @ 12 cts.

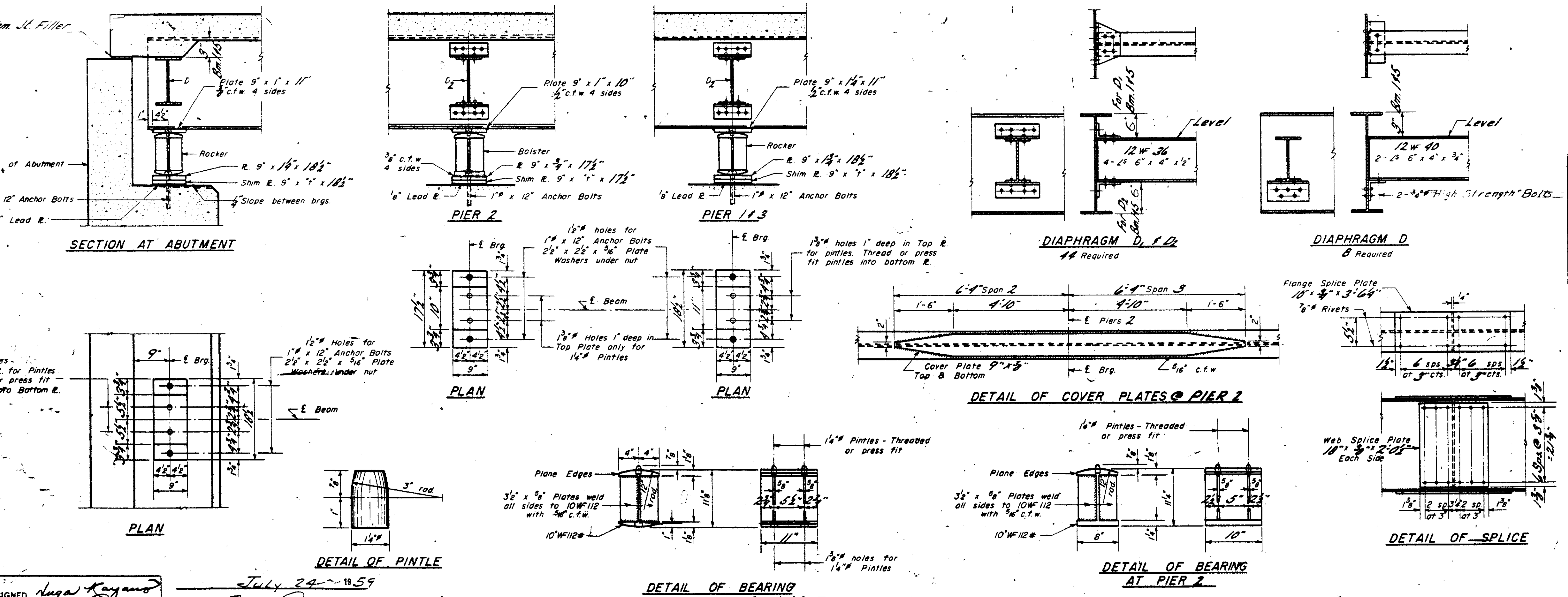
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.I. 57	77-IHB-1	PULASKI	24	8
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 3
9 SHEETS

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



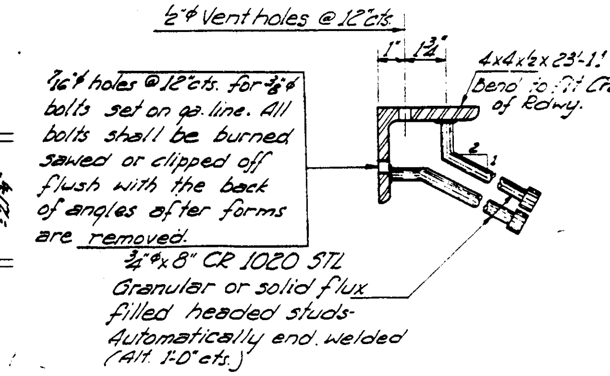
PLAN



ELEVATION TOP OF BEAMS

Location	Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5
E. Ab. @ ℄ Brg.	375.40	375.48	375.51	375.48	375.40
Pier 1	375.63	375.71	375.74	375.71	375.63
Splice 1	375.69	375.78	375.81	375.76	375.69
Pier 2	375.77	375.85	375.88	375.85	375.77
Splice 2	375.79	375.86	375.91	375.88	375.79
Splice 3	375.69	375.78	375.81	375.78	375.69
Pier 3	375.63	375.71	375.74	375.71	375.63
W. Ab. @ ℄ Brg.	375.40	375.48	375.51	375.46	375.40

½"φ Vent holes @ 12" cts.



DETAIL OF EXP. GUARD

TABLE OF "t" DIMENSIONS

	Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5
E. Abut.	0"	1"	1⅜"	1"	0"
Pier 1	0"	1"	1⅜"	1"	0"
Pier 2	0"	1"	1¾"	1"	0"
Pier 3	0"	1"	1⅜"	1"	0"
W. Abut.	0"	1"	1⅜"	1"	0"

STRUCTURAL STEEL
PERKS ROAD
OVER
F.A.I. RT. 57 SEC. 77-IHB-1
PULASKI COUNTY
STA. 66 +49.79 (F.A.I. 57)

DESIGNED	Nuga Kayano
CHECKED	[signature]
DRAWN	H.K. Plowler / W. A. Sausamon
CHECKED	[signature]

July 24 - 1959

EXAMINED [signature] ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED [signature] ENGINEER OF DESIGN
APPROVED R.R. Bartelsmeyer CHIEF HIGHWAY ENGINEER

DRAWN 5-10-57

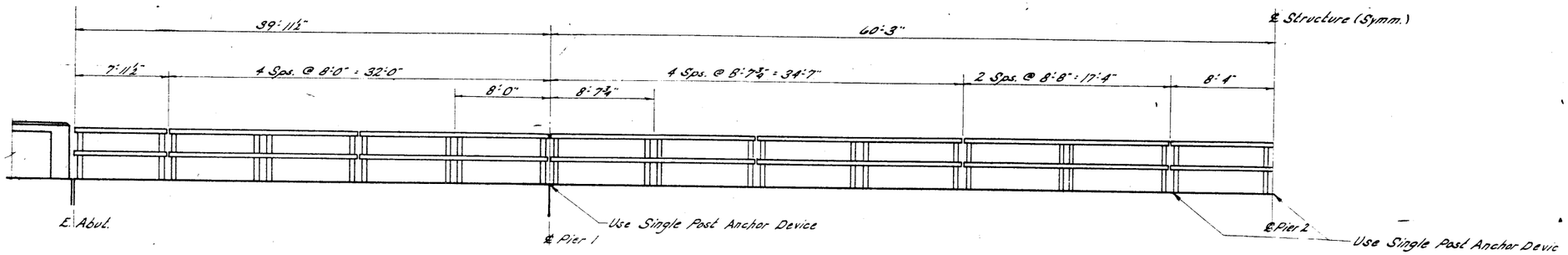
-26-62 W.L.P. Changed 2-¾"φ Bolts to 2-¾"φ High Strength Bolts.
Top of Bm. Elev. from a grade of +5% & -5% to a grade of +4% & -4%

Rev. 6/27/62 Added Detail of Exp. Guard. D.E.S.

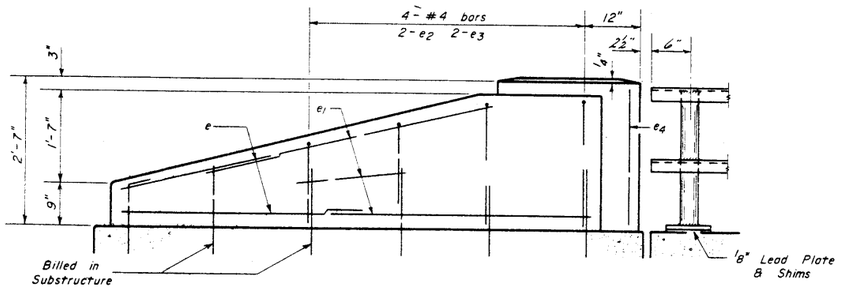
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.I. 57	77-1HB-1	PULASKI	24	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT.		

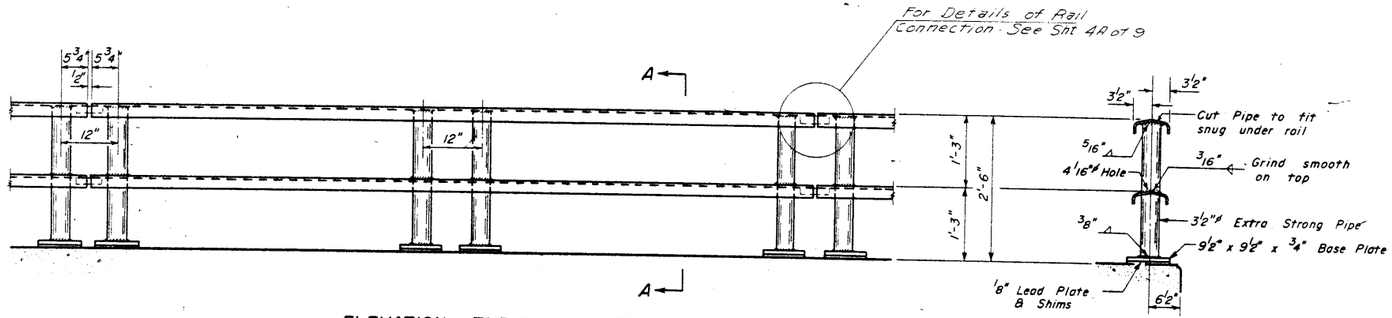
SHEET NO 4
9 SHEETS



HALF ELEVATION

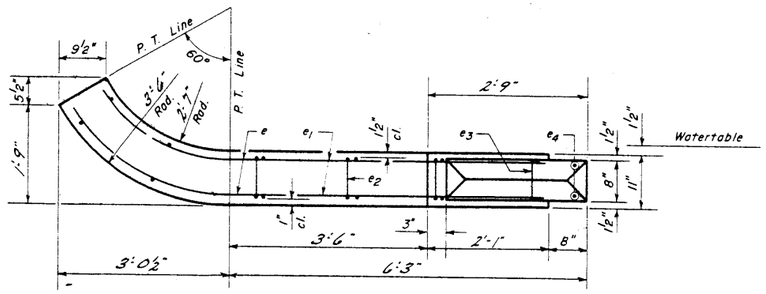


ELEVATION

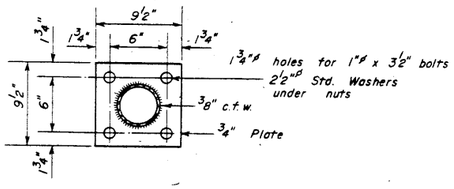


ELEVATION TYPICAL PANEL

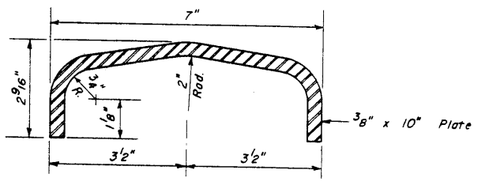
SECTION A-A



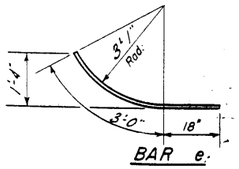
PLAN - END POST



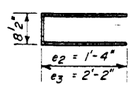
BASE PLATE
ALL POSTS - SUPERSTRUCTURE



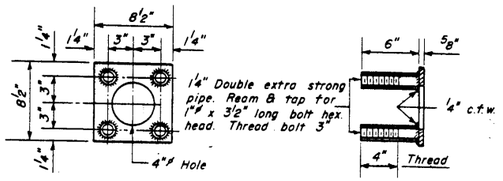
DETAIL OF RAIL



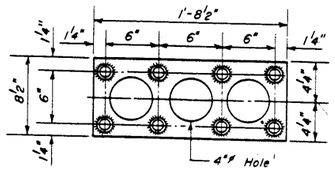
BAR e



BAR e2 or e3



ANCHOR DEVICE
At Single Post
24 Req'd.



ANCHOR DEVICE
At Double Post
36 Req'd.

BILL OF MATERIAL

Handrail Concrete	Cu. Yd.	2.3
Reinforcement Bars	Lbs.	190
Metal Handrail	Lin. Ft.	401

GENERAL NOTES

All End Posts shall be Handrail Concrete.

Provide 1-⅛" and 2-1/16" Shims for 50% of the Posts.

Metal Handrail shall be painted in accordance with Article 535.3 of the Standard Specifications.

BILL OF REINFORCEMENT

Bar	No.	Size	Length	Shape
e	16	#4	4'-6"	
e1	24	#4	3'-0"	
e2	8	#4	3'-4"	
e3	8	#4	5'-0"	
e4	8	#4	2'-3"	

Hugo Kayano
Chas. Laird
K. P. Lowler
W. A. Sausoman.
Chas. Laird

EXAMINED July 24 1959
PASSED
APPROVED

Drawn 5-15-58 Rev. 8-14-58 9-25-58 10-2-58

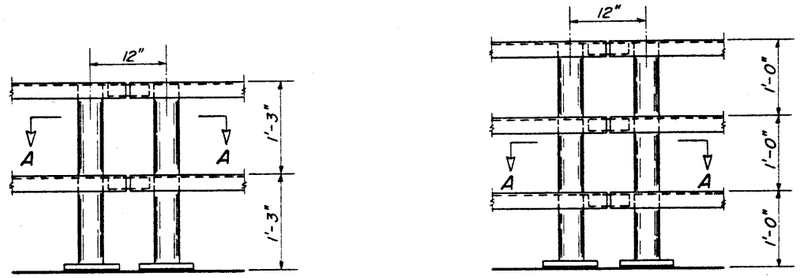
62 W.L.P. Added Rail Connection Device & Note
Sheet 4A of 9 for Details.

METAL HANDRAIL
PERKS ROAD
OVER
F.A.I. RT. 57 SEC. 77-1HB-1
PULASKI COUNTY
STA. 66 + 49.79 (F.A.I. 57)

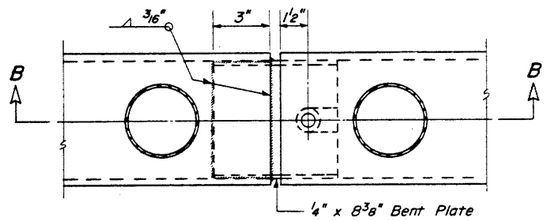
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	77-1HB-1	PULASKI	24	10
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 4A
9 SHEETS

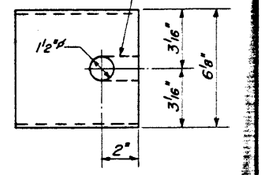


TYPICAL ELEVATION AT PANEL JOINTS

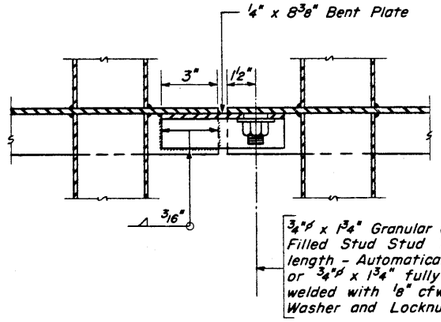


SECTION A-A

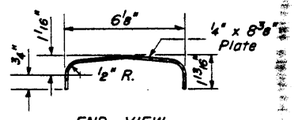
Use 1 1/2"ø punched hole at all panel joints. Use open slot at all expansion joints



PLAN



SECTION B-B



END VIEW

DETAIL 1/4" BENT PLATE

CONNECTION DETAILS
FOR BENT PLATE
RAIL PANELS

RAIL CONNECTION
F.A.I. RT. 57 ~ SEC. 77-1HB-1
PULASKI COUNTY
STA. 66+49.79 (F.A.I. 57)

NED	
ED	
	W. A. Sousamon Jr.
ED	

FEB. 26 1962

EXAMINED H. E. Baumann
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED E. J. Hennig
ENGINEER OF DESIGN

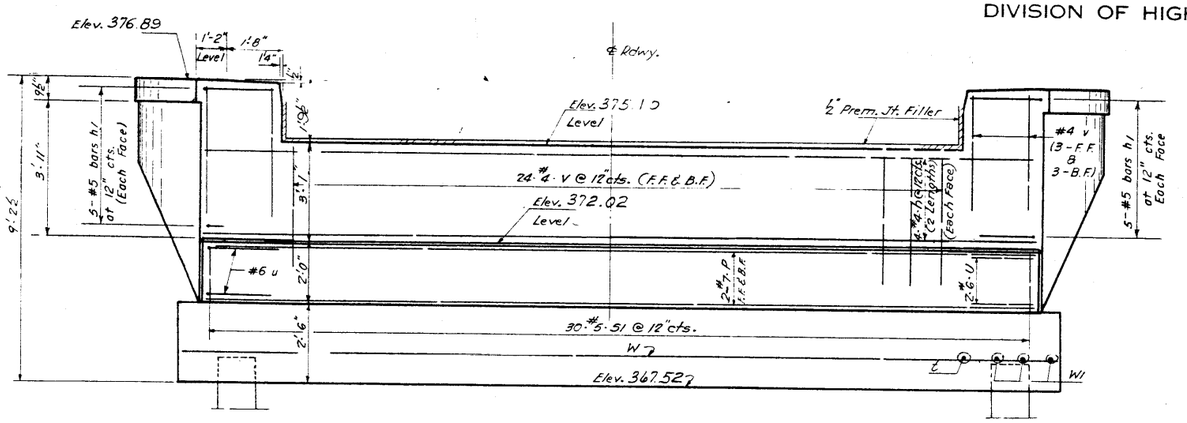
APPROVED R. R. Bartelsmeyer
CHIEF HIGHWAY ENGINEER

2-15-62

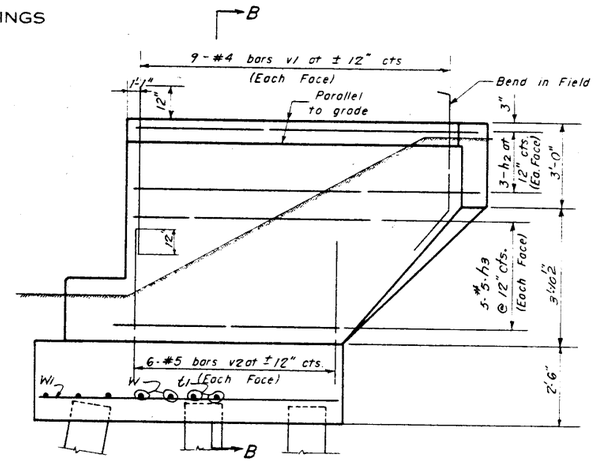
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	77-1HB-1	PULASKI	24	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

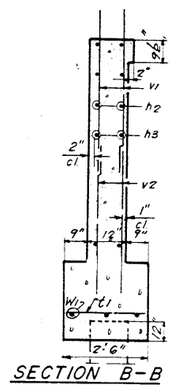
SHEET NO. 5
9 SHEETS



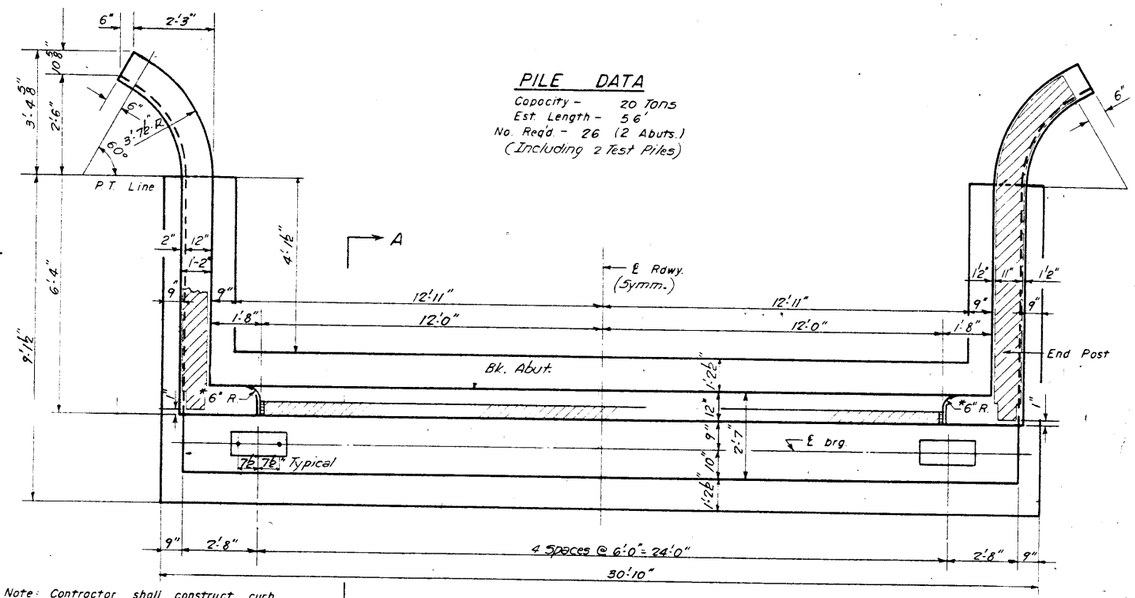
ELEVATION
At Right Angles to ℄ Rdwy.



SIDE ELEVATION



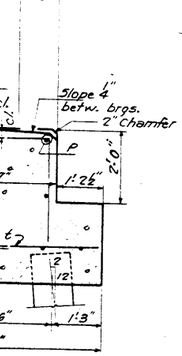
SECTION B-B

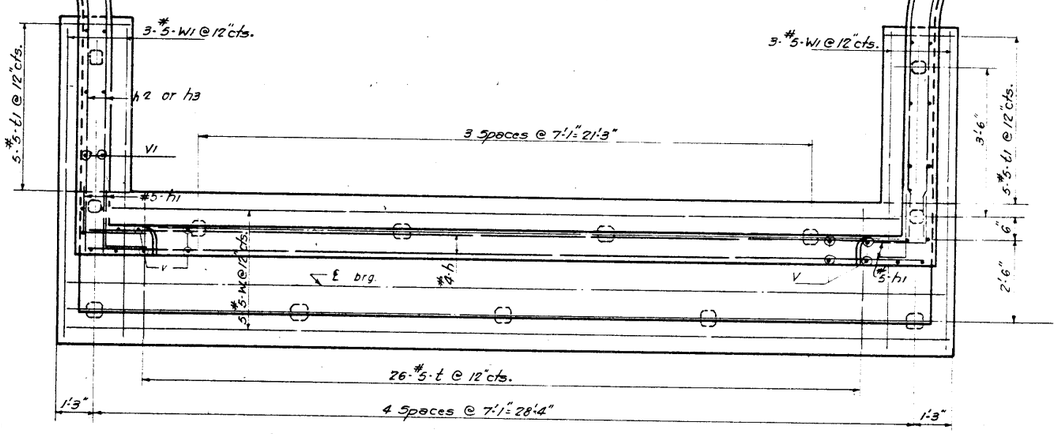


PLAN OF ABUTMENT
Dimensions

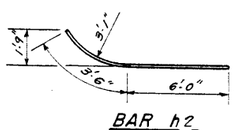
* Note: Contractor shall construct curb without radius when a curb & gutter are to be used on bridge approaches (See Road Plans).

PILE DATA
Capacity - 20 Tons
Est. Length - 56'
No. Reqd. - 26 (2 Abuts.)
(Including 2 Test Piles)

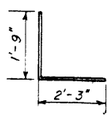




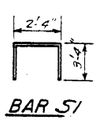
PLAN OF ABUTMENT
Reinforcement & Pile Spacing



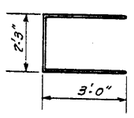
BAR h2



BAR h1



BAR S1



BAR u

SECTION A-A

BILL OF REINFORCEMENT

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
h	32	#4	15'-0"	—	t1	20	#5	2'-3"	—
h1	40	#5	4'-0"	⌊					
h2	24	#5	9'-6"	⌊‾⌋	U	8	#6	8'-3"	⊓
h3	40	#5	6'-10"	—					
					v	120	#4	4'-0"	—
					V1	72	#4	5'-0"	—
					V2	48	#5	5'-0"	—
P	8	#7	29'-0"	—					
					W	10	#5	90'-6"	—
S1	60	#5	9'-0"	⊓	W1	12	#5	8'-9"	—
t	52	#5	4'-9"	—					

BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	Cu. Yd.	59.5
Reinforcement Bars	Lb.	3690
Concrete Piles	Lin. Ft.	1344
Concrete Test Piles	Each	2

Hugo Kayano	July 24	1959
Chief Engineer	EXAMINED	T.M. Ramme
T. Miller	PASSED	E.E. Hunt
W. A. Sousoman	APPROVED	R.H. Bartelmeyer
Chief Engineer		

5-21-58 Rev. 9-[illegible]-59

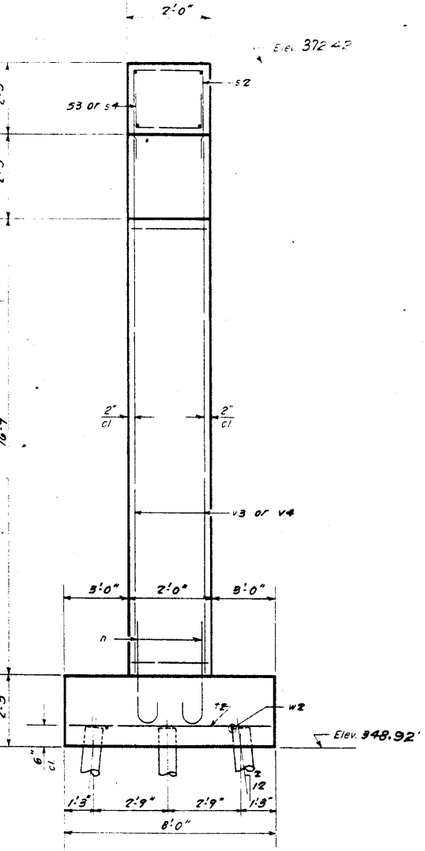
Will P. Raised all Elevations 0.18'. & Curb 0.16'

ABUTMENTS
PERKS ROAD
OVER
F.A.I. RT. 57 - SEC. 77-1HB-1
PULASKI COUNTY
STATION 66 +49.79 (F.A.I. 57)

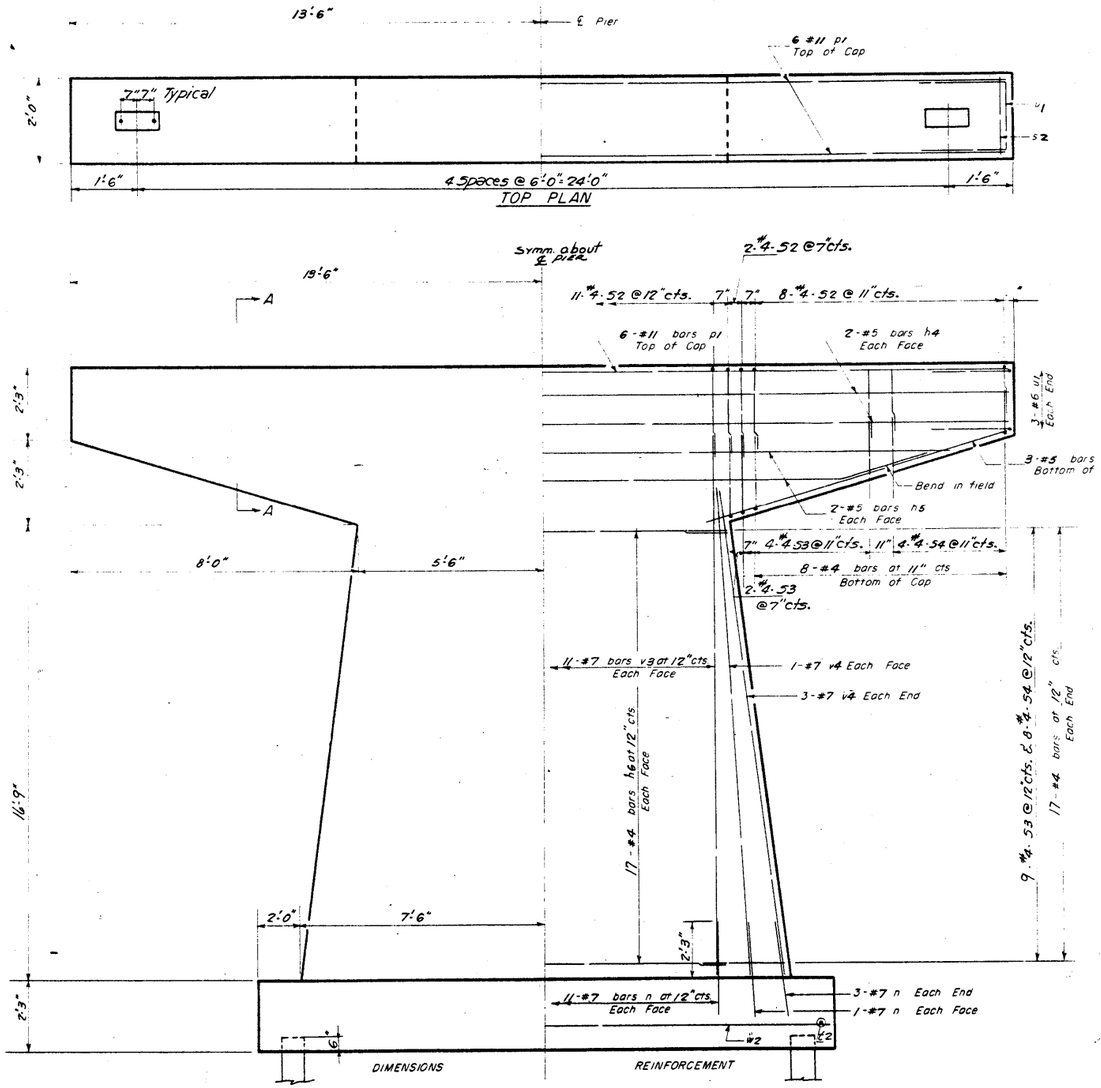
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A.I. 57	77-1HB-1	PULASKI	24	12
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

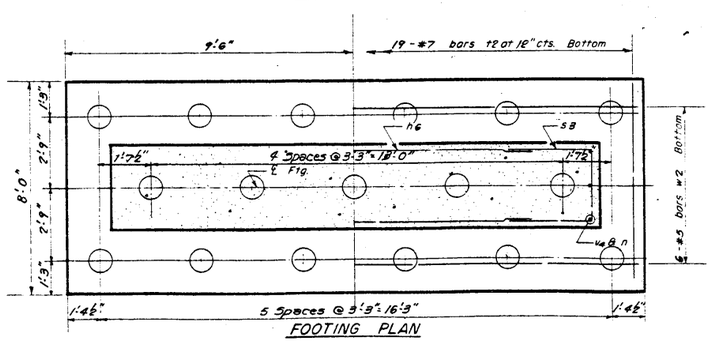
SHEET NO. 6
9 SHEETS



END VIEW

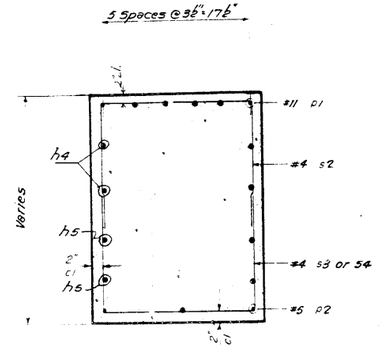


ELEVATIONS

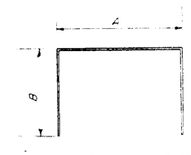


FOOTING PLAN

Note: All edges shall have standard ¾" chamfers except footings



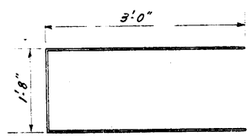
SECTION A-A



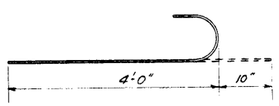
A & B DIMENSIONS

Bar	A	B
S2	1'-8"	2'-0"
S3	1'-8"	3'-1"
S4	1'-8"	1'-10"

S BARS



U1 BAR



n BAR

PILE DATA
Type Creosoted Timber Piles
Capacity 20 Tons
Estimated Length 38'
No. Req'd. 17

PIER 2
BILL OF MATERIAL

Bar	No	Size	Length	Shape
h4	4	#5	26'-6"	—
h5	4	#5	19'-9"	—
h6	34	#4	10'-6"	—
n	32	#7	4'-10"	⊃
p1	6	#11	26'-6"	—
p2	6	#5	9'-0"	—
s2	31	#4	5'-8"	□
s3	30	#4	7'-10"	□
s4	24	#4	5'-4"	□
t2	19	#7	7'-9"	—
u1	6	#6	7'-8"	□
v3	22	#7	20'-3"	—
V4	10	#7	18'-0"	—
w2	6	#5	18'-9"	—
Class X Concrete			Cu Yd. 36.5	
Reinforcement Bars			Lb. 3780	
Creosoted Timber Piles 20 Tons			Lin. Ft. 646	
Test Piles (Timber)			Each 1	

DESIGNED	Hugo Kayaru
DRAWN	Carl Gutfeld
CHECKED	H.K. W.A. Sousamon M. Miller
QUANTITIES	Carl Gutfeld

July 24 19 57

EXAMINED _____ ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED _____ ENGINEER OF DESIGN

APPROVED _____ CHIEF HIGHWAY ENGINEER

DRAWN 4-9-57

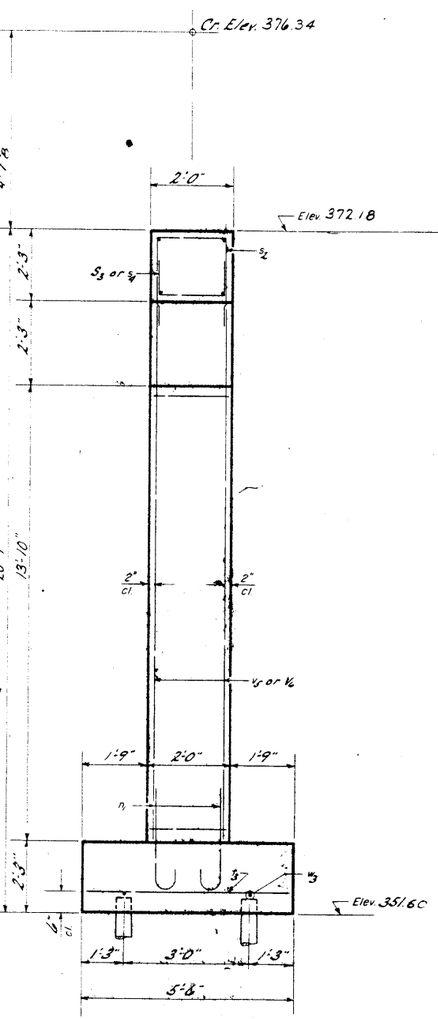
Rev. Pier Elev. from 372.37 to 372.42' & 348.87 to 348.92'

PIER 2
PERKS ROAD
OVER
F.A.I. RTE 57-SEC. 77(IH-[redacted])
PULASKI COUNTY
STATION 66 + 49.79 (F.A. RTE 57)

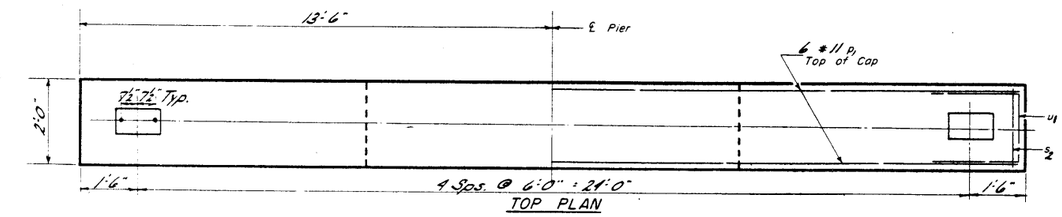
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A. I. 57	77-1HB-1	PULASKI	24	13
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

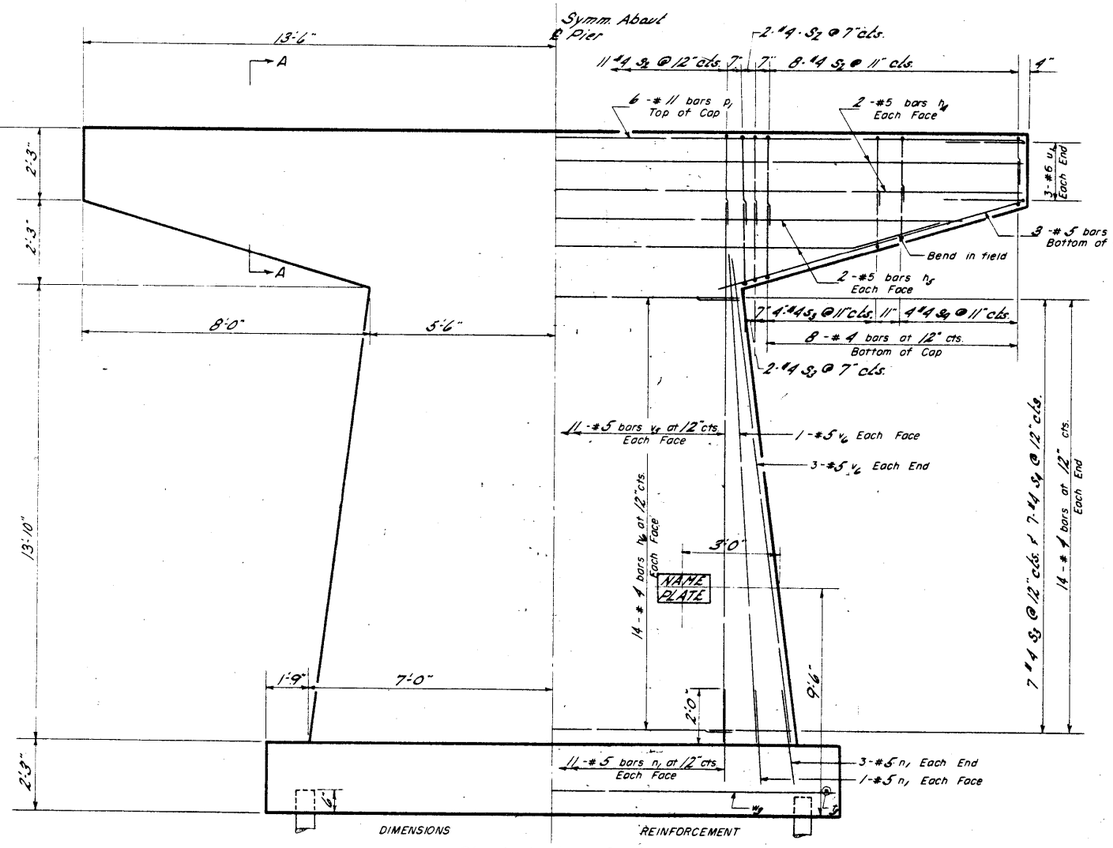
SHEET NO. 7
9 SHEETS



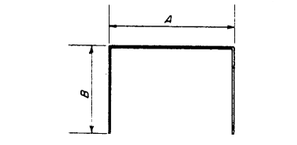
END VIEW



TOP PLAN



Pier 1 Looking East
Pier 2 Looking West
ELEVATIONS

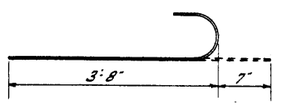


A & B DIMENSIONS

Bar	A	B
S_2	1'-8"	2'-0"
S_3	1'-8"	3'-1"
S_4	1'-8"	1'-10"

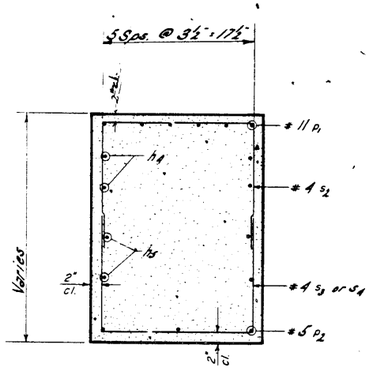
S BARS

u_1 BAR



n_1 BAR

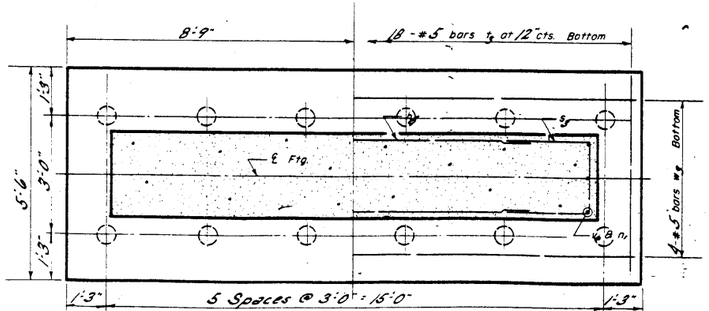
Note: All edges shall have standard ¾" chamfers except footings



SECTION A-A

PIERS 1 & 3
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_4	8	#5	26'-6"	—
h_5	8	#5	19'-9"	—
h_6	56	#4	10'-6"	—
n_1	64	#5	4'-3"	⊃
p_1	12	#11	26'-6"	—
p_2	12	#5	9'-0"	—
S_2	62	#4	5'-8"	⊓
S_3	52	#4	7'-10"	⊓
S_4	44	#4	5'-4"	⊓
V_5	36	#5	5'-3"	—
u_1	12	#6	7'-8"	⊐
V_6	44	#5	17'-3"	—
V_4	20	#5	14'-9"	—
w_3	8	#5	17'-3"	—
Class X Concrete			Cu Yd.	574
Reinforcement Bars			Lb	5,110
Creo. Timber Piles, Over 35'			Lin. Ft.	960
Name Plates			Each	2



FOOTING PLAN

PILE DATA
Type Creo. Timber Pile
Capacity 20 Tons
Est. Length 40'
No. Req'd. 24 (2 Piers)

SIGNED	Hugo Kayano
CHECKED	Caudle Laird
DRAWN	H.K. W.A. Sausaman D. Lawler
CHECKED	Caudle Laird

July 24 19 59

EXAMINED _____ ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED _____ ENGINEER OF DESIGN
APPROVED _____ CHIEF HIGHWAY ENGINEER

DRAWN 4-9-57

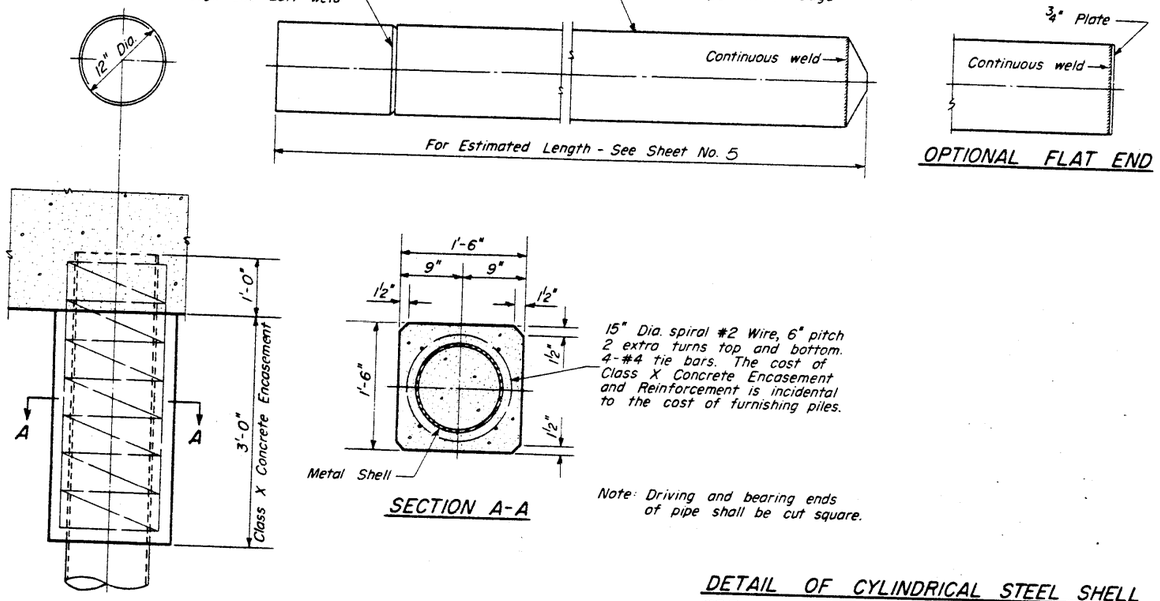
t-62 W.P. Rev. Cr. Rev. from 376.27 to 376.34
e f Bott. Pier Rev. from 372.11 & 351.53 to 372.18 & 351.60

PIERS 1 & 3
PERKS ROAD
OVER
F.A.I. RT. 57 SEC. 77-1HB-1
PULASKI COUNTY
STA. 66 + 49.79 (F.A.I. 57)

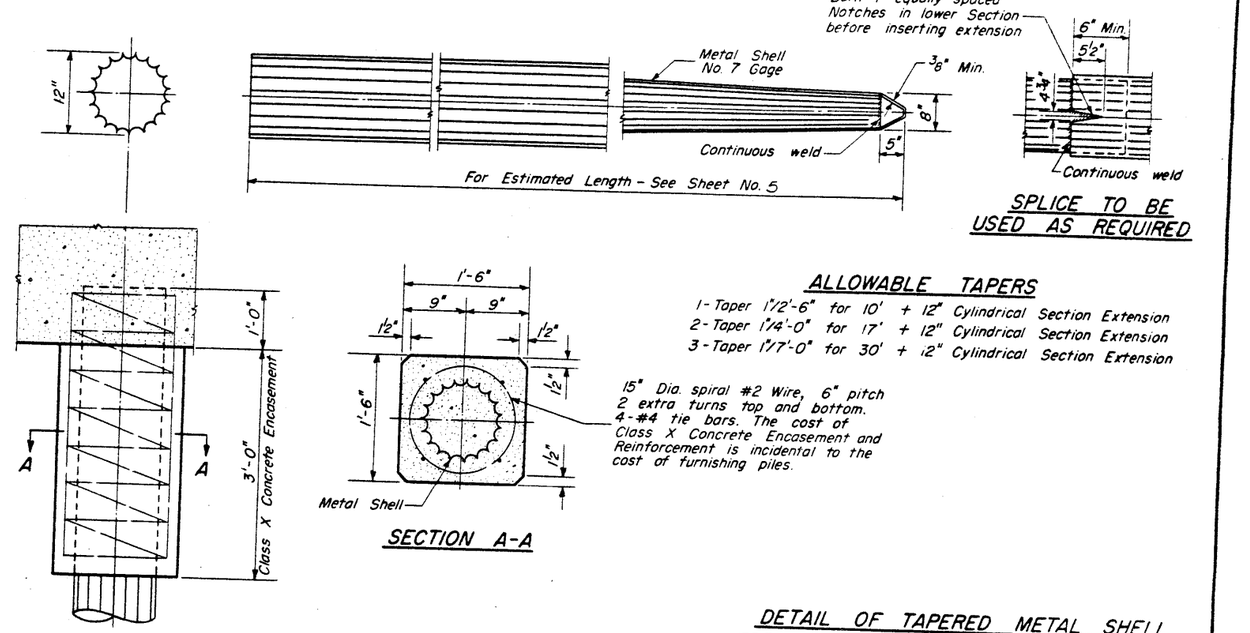
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 57	77-1HB-1	PULASKI	24	14
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

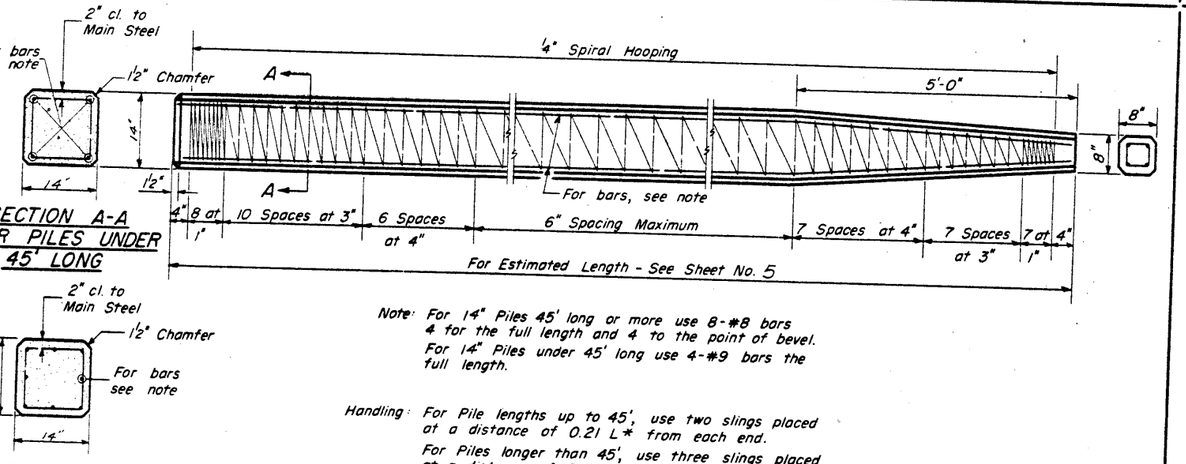
SHEET NO. 8
9 SHEETS



DETAIL OF CYLINDRICAL STEEL SHELL
FOR CAST IN PLACE CONCRETE PILES



DETAIL OF TAPERED METAL SHELL
FOR CAST IN PLACE CONCRETE PILES

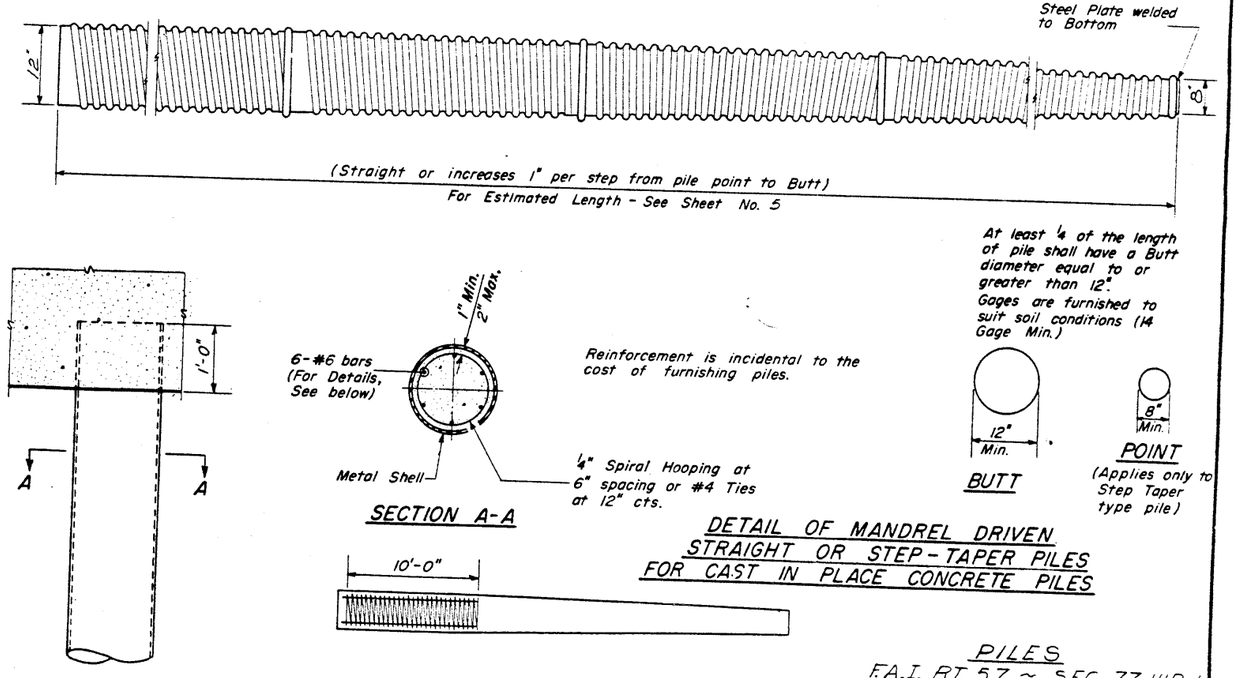


DESIGNED
CHECKED
DRAWN W. A. Sausaman
CHECKED

EXAMINED FEB. 26 1962
M. E. Baumann
ENGINEER OF BRIDGES AND TRAFFIC STRUCTURES
PASSED E. H. Haunty
ENGINEER OF DESIGN
APPROVED R. R. Bartelmeyer
CHIEF HIGHWAY ENGINEER

Rev. 5-12-61
Sheet replaces sheet X-1 Drawn 5-31-57 Rev. 4-6-59 W.J.P.

DETAIL OF PRECAST CONCRETE PILES



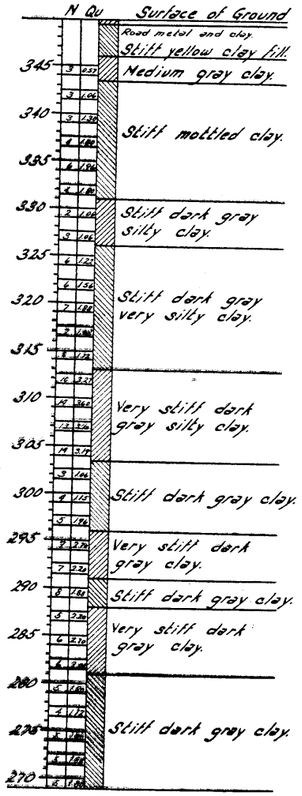
DETAIL OF MANDREL DRIVEN
STRAIGHT OR STEP-TAPER PILES
FOR CAST IN PLACE CONCRETE PILES

PILES
F.A.I. RT. 57 ~ SEC. 77-1HB-1
PULASKI COUNTY
STA. 66+49.79 (FAI 57)

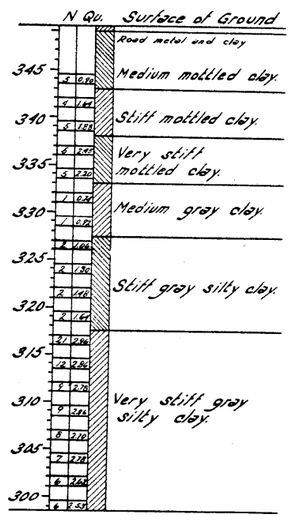
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. B. I. F. A. I 57	77-1HB-1	PULASKI	24	15
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

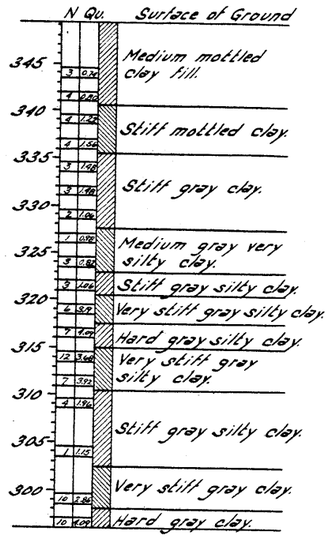
SHEET NO. 9
9 SHEETS



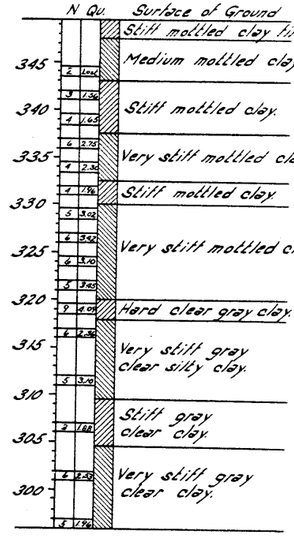
BORING NO. 1
STA. 11+01
12 FT. RT. ℄



BORING NO. 2
STA. 10+60
12 FT. LT. ℄



BORING NO. 3
STA. 10+00
12 FT. LT. ℄



BORING NO. 4
STA. 8+99
12 FT. LT. ℄

Note: N = Blows per foot of penetration of sampling spoon. Hammer Weight = 350 Lbs. Drop = 12 inches.
Qu = Unconfined compressive strength in tons per square foot.

M.K.	
Computed and Checked	
M.K. P. Lawler	
Computed and Checked	

July 24 19 57

EXAMINED _____ ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES

PASSED _____ ENGINEER OF DESIGN

APPROVED _____ CHIEF HIGHWAY ENGINEER

BORING DATA
PERKS ROAD
OVER
F.A.I. RT. 57 SEC. 77-1HB-1
PULASKI COUNTY
STA. 66 + 49.79 (F.A.I. 57)