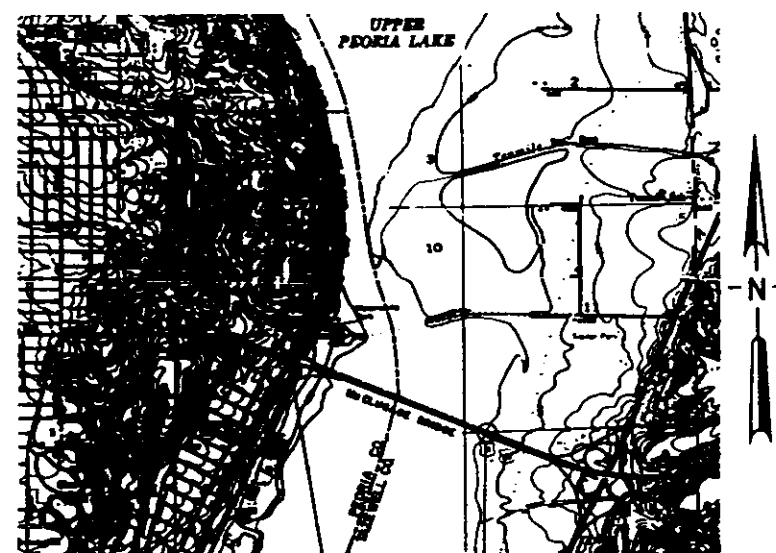


INDEX OF SHEETS

- 1 TITLE SHEET
- 2,2A GENERAL PLAN & ELEVATION, SUMMARY OF QUANTITIES
- 3 HORIZONTAL CONTROL, BENCH MARKS & R.O.W.
- 4 FOOTING LAYOUT
- 5 PIER 10
- 6 PIER 11
- 7 PIER 12
- 8 PIER 13
- 9 PIER 14
- 10 PIER 15
- 11 PIER 16
- 12 PIER 17
- 13 PIER 18
- 14 PIER 19
- 15 PIER 20
- 16 PIER 21
- 17 EAST ABUTMENT
- 18 SLOPEWALL EAST ABUTMENT AND CLEARANCE GAUGE
- 19 BORING PLAN
- 20 BORING PLAN
- 21 BORING DATA
- 22 BORING DATA
- 23 BORING DATA
- 24 BORING DATA
- 25 BORING DATA
- 26 BORING DATA
- 27 BORING DATA
- 28 BORING DATA
- STD. 2299-6 TRAFFIC CONTROL DEVICES
- STD. 2300-1 FLAGMAN TRAFFIC CONTROL SIGN
- STD. 2298-4 TRAFFIC CONTROL DEVICES

*Index Of Sheets Includes Sheets 1B, 1C,
5A, 8A, 9A, 10A, 11A, 12A, 13A, 14A, 15A, 16A & 16B.*

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY F.A. ROUTE 31 SECTION 15B-1 PROJECT U-609 (14) PEORIA-TAZEWELL COUNTIES C-94-114-75



PROPOSED PROJECT U-609 (14)
BEGINS STA. 198+00.77

PROPOSED PROJECT U-609 (14)
ENDS STA. 246+46.02

NET LENGTH OF PROPOSED IMPROVEMENT
4745.25 LIN. FT. = 0.90 MI.

LAYOUT
SCALE = 1" = 2000'

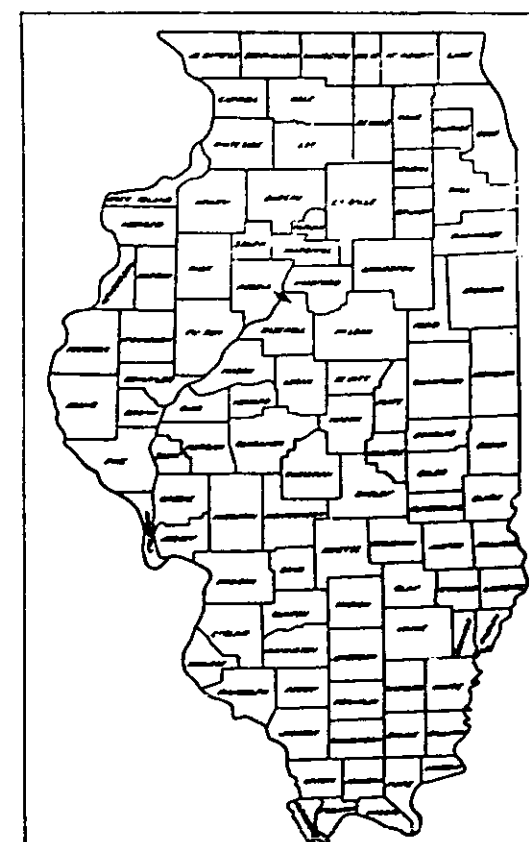
PROPOSED IMPROVEMENT INCLUDES COMPLETE
CONSTRUCTION OF PIERS 10, 11, 12, 13, 14, 15, 16, 17, 18,
19, 20, 21 AND THE EAST ABUTMENT FOR A TWO
LANE STEEL CANTILEVER TRUSS AND STEEL PLATE
GIRDER BRIDGE CARRYING F.A. ROUTE 31 (U.S. RT. 24)
OVER THE ILLINOIS RIVER AT PEORIA.

AS REVISED

DESIGN DESIGNATION
3086 (94) MAJOR (PCC-20)

CONTRACT NO. 30875

Rev. E-2-25-79 D.D. As Revised 8-24-79 L.W.



LOCATION OF SECTION INDICATED THUS

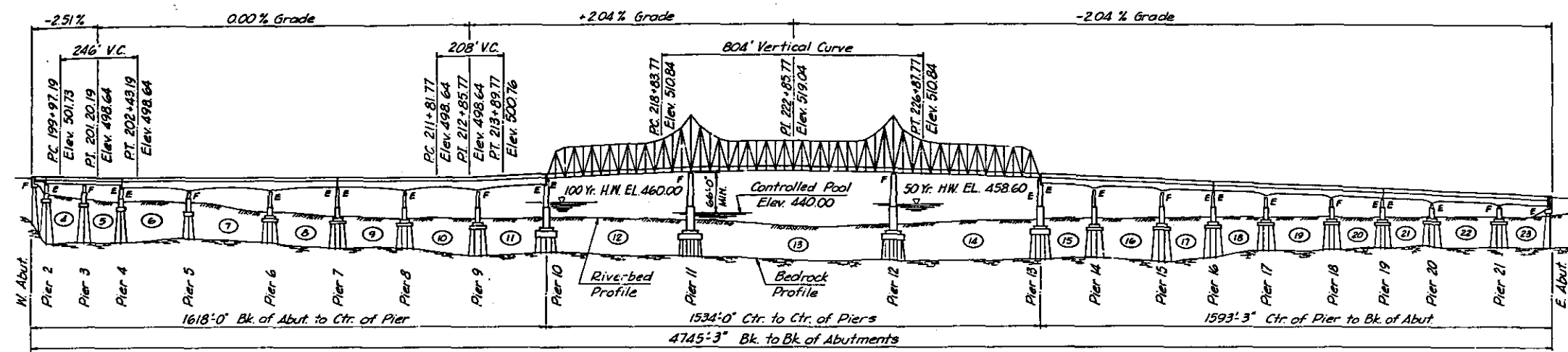
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
SUBMITTED 6-30-75	J. H. H. H.
EXAMINED 7-24-75	D. H. H. H.
PASSED 7-24-75	T. H. H. H.
APPROVED 7-24-75	J. H. H. H.
DIRECTOR OF HIGHWAYS	

SUBMITTED 6-30-75	J. H. H. H.
EXAMINED 7-24-75	D. H. H. H.
EXAMINED 7-24-75	T. H. H. H.
EXAMINED 7-24-75	J. H. H. H.
DIRECTOR OF HIGHWAYS	

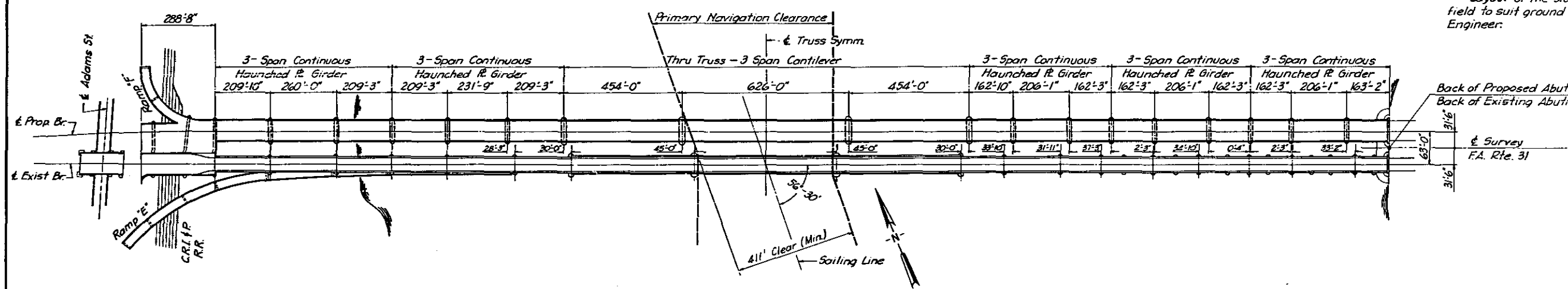
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	DATE

REEL 4-115

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FA 31	15B-1	PEORIA AND TAZEWELL	28	2
FILE NO.	DATE	BY	DATE	BY



ELEVATION

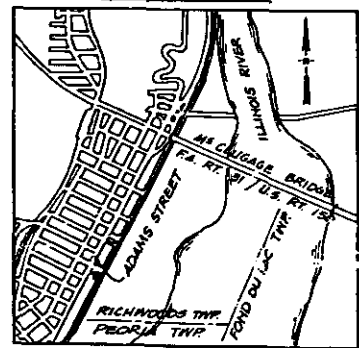


PLAN

WATERWAY INFORMATION

Discharge (50 Yr. H.W. Frequency) 77,000 c.f.s.
Opening Provided Below Elev. 458.6 98,300 Sq. Ft.

LOCATION MAP



DESIGN STRESSES

$f_c = 1400$ p.s.i.
 $f_s = 20,000$ p.s.i. Gr. 40 - 24,000 p.s.i. Gr. 60 (Reinf. Bars)
 $v_c = 75$ p.s.i.
 $n = 10$
Loading HS 20-44
Design Specs. (1973) (1974 Interim Specs.) AASHTO

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Carl E. Thurnman, Jr.
REGISTERED PROFESSIONAL ENGINEER
ILLINOIS



TOTAL BILL OF MATERIAL

CODE NO.	ITEM	UNIT	SUB	SUPER	TOTAL	CODE NO.	ITEM	UNIT	SUB	SUPER	TOTAL
207001	Embankment	Cu. Yd.	4950.0	—	4950.0	646001	Engineers Field Office, Type A	Each	—	—	1
617027	Slope Wall Removal	Sq. Yd.	895	—	895	X12606	Top Soil Placement 6"	Sq. Yd.	811	—	811
502003	Cofferdam Excavation	Cu. Yd.	16,235.0	—	16,235.0	642004	Nitrogen Fert. Nutr.	Lbs.	24	—	24
502015	Cofferdam Pier 10	Each	1	—	1	642005	Phosphorous Fert. Nutr.	Lbs.	14.4	—	14.4
502016	Cofferdam Pier 11	Each	1	—	1	642006	Potassium Fert. Nutr.	Lbs.	9.6	—	9.6
502017	Cofferdam Pier 12	Each	1	—	1	642002	Seeding Class II	Acre	0.2	—	0.2
502018	Cofferdam Pier 13	Each	1	—	1	643001	Mulch Method 3	Ton	1	—	1
502019	Cofferdam Pier 14	Each	1	—	1						
502020	Cofferdam Pier 15	Each	1	—	1						
502021	Cofferdam Pier 16	Each	1	—	1						
502022	Cofferdam Pier 17	Each	1	—	1						
502023	Cofferdam Pier 18	Each	1	—	1						
502024	Cofferdam Pier 19	Each	1	—	1						
502025	Cofferdam Pier 20	Each	1	—	1						
502026	Cofferdam Pier 21	Each	1	—	1						
504002	Class A Concrete	Cu. Yd.	9765.7	—	9765.7						
504003	Class X Concrete	Cu. Yd.	52.9	—	52.9						
504004	Seal Coat Concrete	Cu. Yd.	5803.3	—	5803.3						
512001	Reinforcement Bars	Lbs.	966,410	—	966,410						
513013	Furnishing Steel Piles HP10x42	Lin. Ft.	3,372	—	3,372						
513015	Furnishing Steel Piles HP12x53	Lin. Ft.	10,288	—	10,288						
513017	Furnishing Steel Piles HP14x73	Lin. Ft.	14,287	—	14,287						
513021	Driving Steel Piles	Lin. Ft.	27,947	—	27,947						
513033	Test Pile Steel HP10x42	Each	2	—	2						
513035	Test Pile Steel HP12x53	Each	6	—	6						
513037	Test Pile Steel HP14x73	Each	5	—	5						
618003	Slope Wall 6 Inch	Sq. Yd.	603.8	—	603.8						

PIERS 10 THRU 21 & EAST ABUTMENT

GENERAL PLAN & ELEVATION

M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES

CRN

DLB

RAH

CRN

HANSON ENGINEERS
INCORPORATED
SPRINGFIELD, ILLINOIS
PEORIA, ILLINOIS

74001

5-12-75

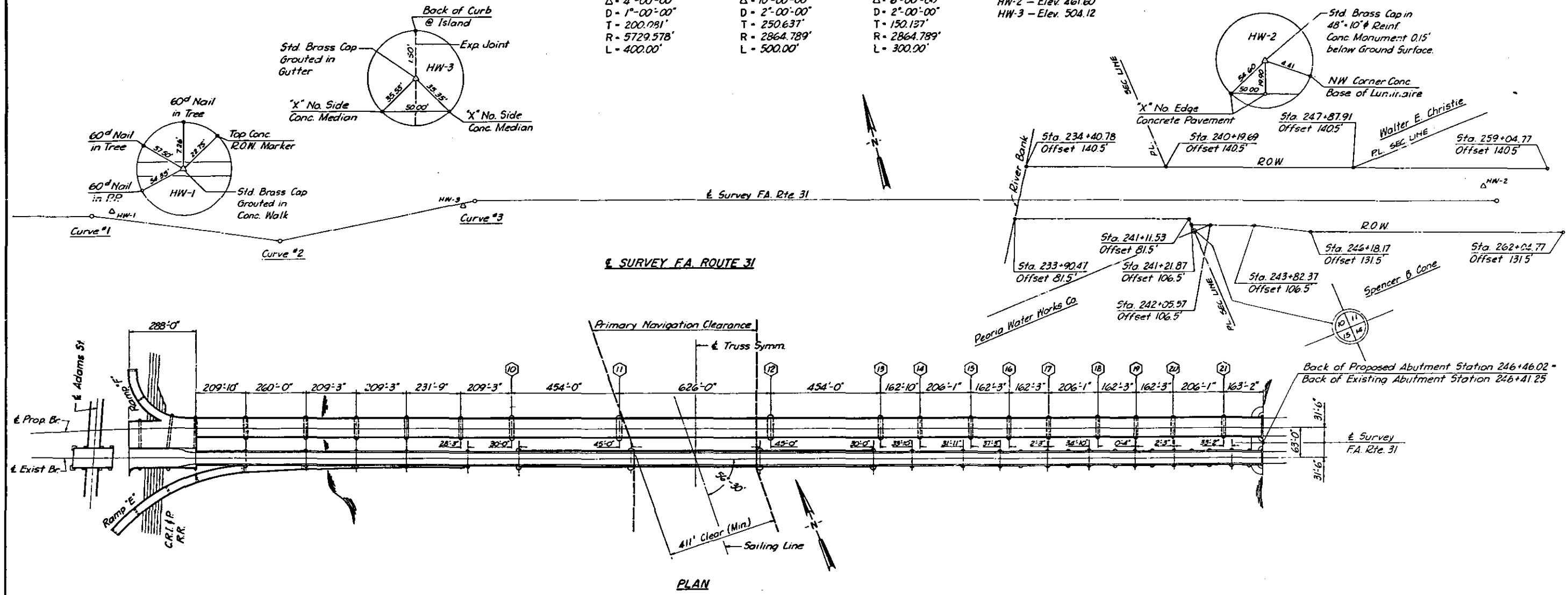
REPORT NO.	PROJ.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 31	15B-1	PEORIA TAZEWELL	28	2A
JOB SHEET NO. 1		ILLINOIS PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	PEORIA	TAZEWELL	TOTAL
207001	EMBANKMENT	CU.YD.	-	4950.0	4950.0
617027	SLOPE WALL REMOVAL	SQ.YD.	-	89.5	89.5
502003	COFFERDAM EXCAVATION	CU.YD.	6213.0	10,022.0	16,235.0
502015	COFFERDAM PIER 10	EACH	1	-	1
502016	COFFERDAM PIER 11	EACH	1	-	1
502017	COFFERDAM PIER 12	EACH	-	1	1
502018	COFFERDAM PIER 13	EACH	-	1	1
502019	COFFERDAM PIER 14	EACH	-	1	1
502020	COFFERDAM PIER 15	EACH	-	1	1
502021	COFFERDAM PIER 16	EACH	-	1	1
502022	COFFERDAM PIER 17	EACH	-	1	1
502023	COFFERDAM PIER 18	EACH	-	1	1
502024	COFFERDAM PIER 19	EACH	-	1	1
502025	COFFERDAM PIER 20	EACH	-	1	1
502026	COFFERDAM PIER 21	EACH	-	1	1
504002	CLASS A CONCRETE	CU.YD.	3318.8	6446.9	9765.7
504003	CLASS X CONCRETE	CU.YD.	-	52.9	52.9
504004	SEAL COAT CONCRETE	CU.YD.	2225.4	3577.9	5803.3
512001	REINFORCEMENT BARS	LBS.	325,010.0	641,400.0	966,410.0
X51302	FURNISHING STEEL PILES HP 10 x 42	LN.FT.	-	3372.0	3372.0
X51304	FURNISHING STEEL PILES HP 12 x 53	LN.FT.	-	10,288.0	10,288.0
X51306	FURNISHING STEEL PILES HP 14 x 73	LN.FT.	6304.0	7983.0	14,287.0
513026	DRIVING STEEL PILES	LN.FT.	6304.0	21,643.0	27,947.0
X51311	TEST PILE STEEL HP 10 x 42	EACH	-	2.0	2.0
X51313	TEST PILE STEEL HP 12 x 53	EACH	-	6.0	6.0
X51315	TEST PILE STEEL HP 14 x 73	EACH	2.0	3.0	5.0
618003	SLOPE WALL 6 INCH	SQ.YD.	-	603.8	603.8
646001	ENGINEER'S FIELD OFFICE, TYPE A	EACH	-	1	1
X21606	TOP SOIL PLACEMENT 6 INCH	SQ.YD.	-	811.0	811.0
642004	NITROGEN FERTILIZER NUTRIENT	LBS.	-	24.0	24.0
642005	PHOSPHOROUS FERTILIZER NUTRIENT	LBS.	-	14.4	14.4
642006	POTASSIUM FERTILIZER NUTRIENT	LBS.	-	9.6	9.6
642002	SEEDING CLASS II	ACRE	-	0.2	0.2
643001	MULCH	TON	-	1.0	1.0
XZ1100	TRAINEES	HOUR	1000.0	4000.0	5000.0

DATE	BY	CHECKED	DATE	BY	CHECKED
FA 31	158-1	PEORIA AND TAZEWELL	28	3	
FILE NO.	158-1	PROJECT			

Curve #1	Curve #2	Curve #3	Bench Mark Data
PI = 183+00.081	PI = 191+00.637	PI = 199+35.06	HW-1 - Elev. 562.11
Δ = 4°-00'-00"	Δ = 10°-00'-00"	Δ = 6°-00'-00"	HW-2 - Elev. 461.60
D = 1°-00'-00"	D = 2°-00'-00"	D = 2°-00'-00"	HW-3 - Elev. 504.12
T = 200.781'	T = 250.637'	T = 150.137'	
R = 5729.578'	R = 2864.789'	R = 2864.789'	
L = 400.00'	L = 500.00'	L = 300.00'	



MONUMENT & SUBSTRUCTURE COORDINATES

POINT	LOCATION		BEARINGS	
	STATION	OFFSET	NORTH	EAST
HW-1	183+68.81	45.71' Lt	10000.0000	10000.0000
HW-2	253+42.16	63.72' Lt	10113.024136	16965.786572
HW-3	198+81.71	2.71' Lt	9999.999999	11506.061841
Bk E Abut	246+46.02	31.50' Lt	10075.0949	16269.9399
Pier 21	244+82.85	31.50' Lt	10073.7560	16106.7787
Pier 20	242+76.77	31.50' Lt	10072.0649	15900.7023
Pier 19	241+14.52	31.50' Lt	10070.7335	15738.4578
Pier 18	239+52.27	31.50' Lt	10069.4021	15575.2132
Pier 17	237+46.19	31.50' Lt	10067.7110	15370.1369
Pier 16	235+83.94	31.50' Lt	10066.3796	15207.8923
Pier 15	234+21.69	31.50' Lt	10065.0482	15045.6478
Pier 14	232+15.60	31.50' Lt	10063.3571	14839.5714
Pier 13	230+52.77	31.50' Lt	10062.0209	14676.7436
Pier 12	225+98.77	31.50' Lt	10058.2955	14222.7589
Pier 11	219+72.77	31.50' Lt	10253.1586	13596.7800
Pier 10	215+18.77	31.50' Lt	10049.4331	13142.7953

Note: All Offsets are measured from E Survey F.A. Route 31.
 ○ Denotes Pier No.

HORIZONTAL CONTROL, BENCH MARKS & ROW
M'CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15
PEORIA & TAZEWELL COUNTIES

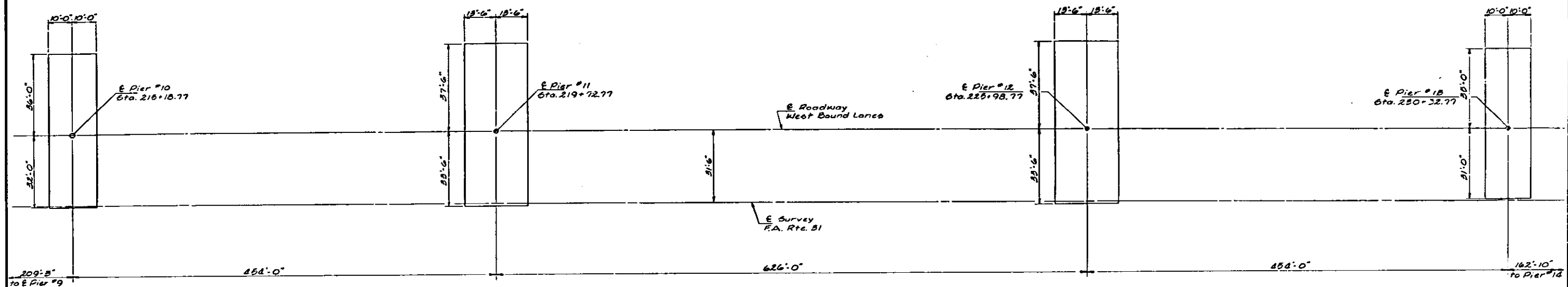
DESIGNED CRN
 CHECKED DLB
 INCHES RAH
 DRAWS CRN

HANSON ENGINEERS
 INCORPORATED
 SPRINGFIELD ILLINOIS
 PEORIA ILLINOIS

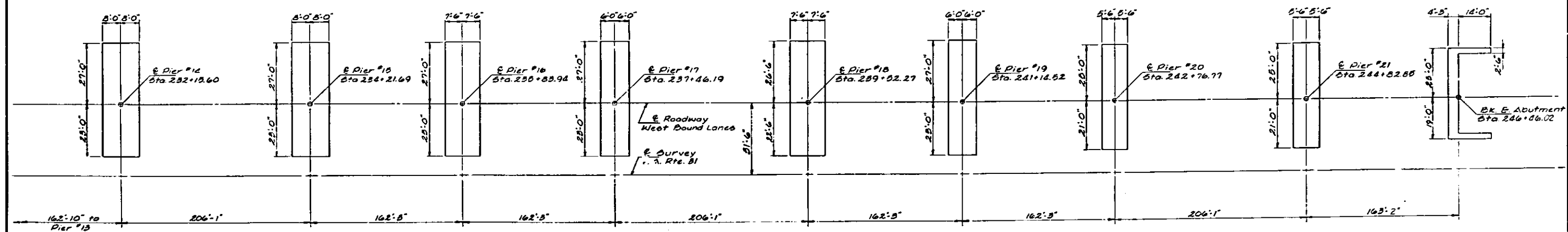
DATE
 7-20-75
 6-16-75

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SEC.	SHEET NO.	TOTAL SHEETS
F.A. 31	15B-1	28	4
PEORIA & GREENVIEW		PLAN	SECTION



FOOTING PLAN (PIERS 10 THRU 13)



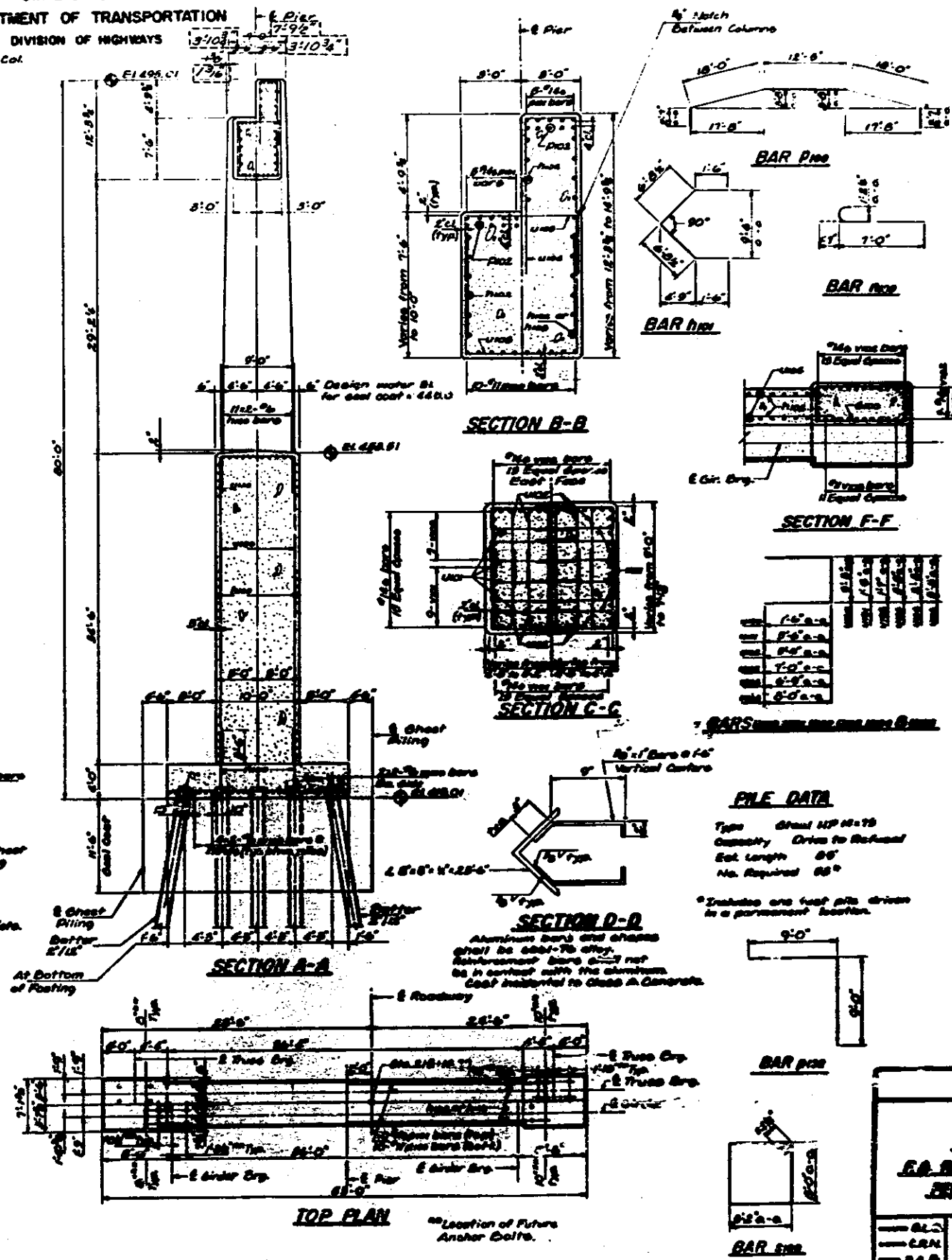
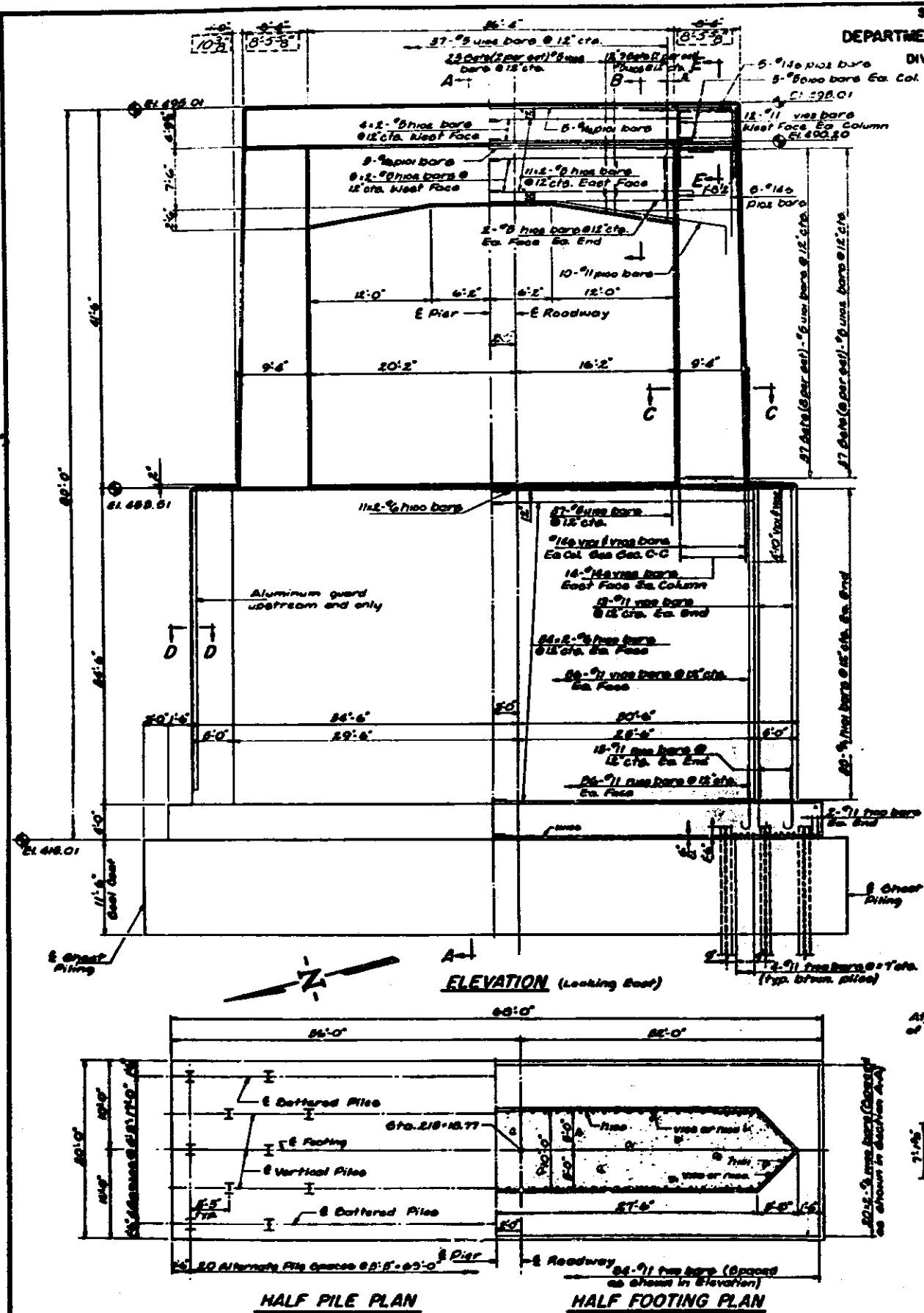
FOOTING PLAN (PIERS 14 THRU 21 & E. ABUTMENT)

FOOTING LAYOUT

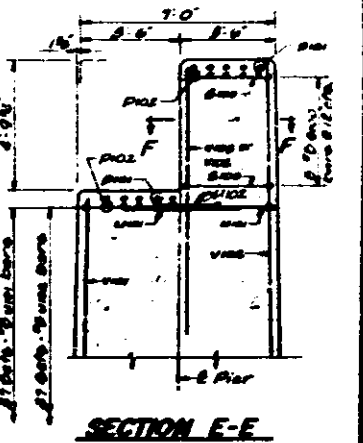
MCCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES

DESIGNED BY CRN		HANSON ENGINEERS INCORPORATED	74501
CHECKED BY DAB			12-21-74
APPROVED BY CRN			

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS 19-102



DATE	FILE	CLASS	NO.	BY
FBI	100-1	Period 8 FBI/DOJ	28	5A
SEARCHED	SERIALIZED	INDEXED		



SECTION E-E

PIER 12
BILL OF MATERIAL

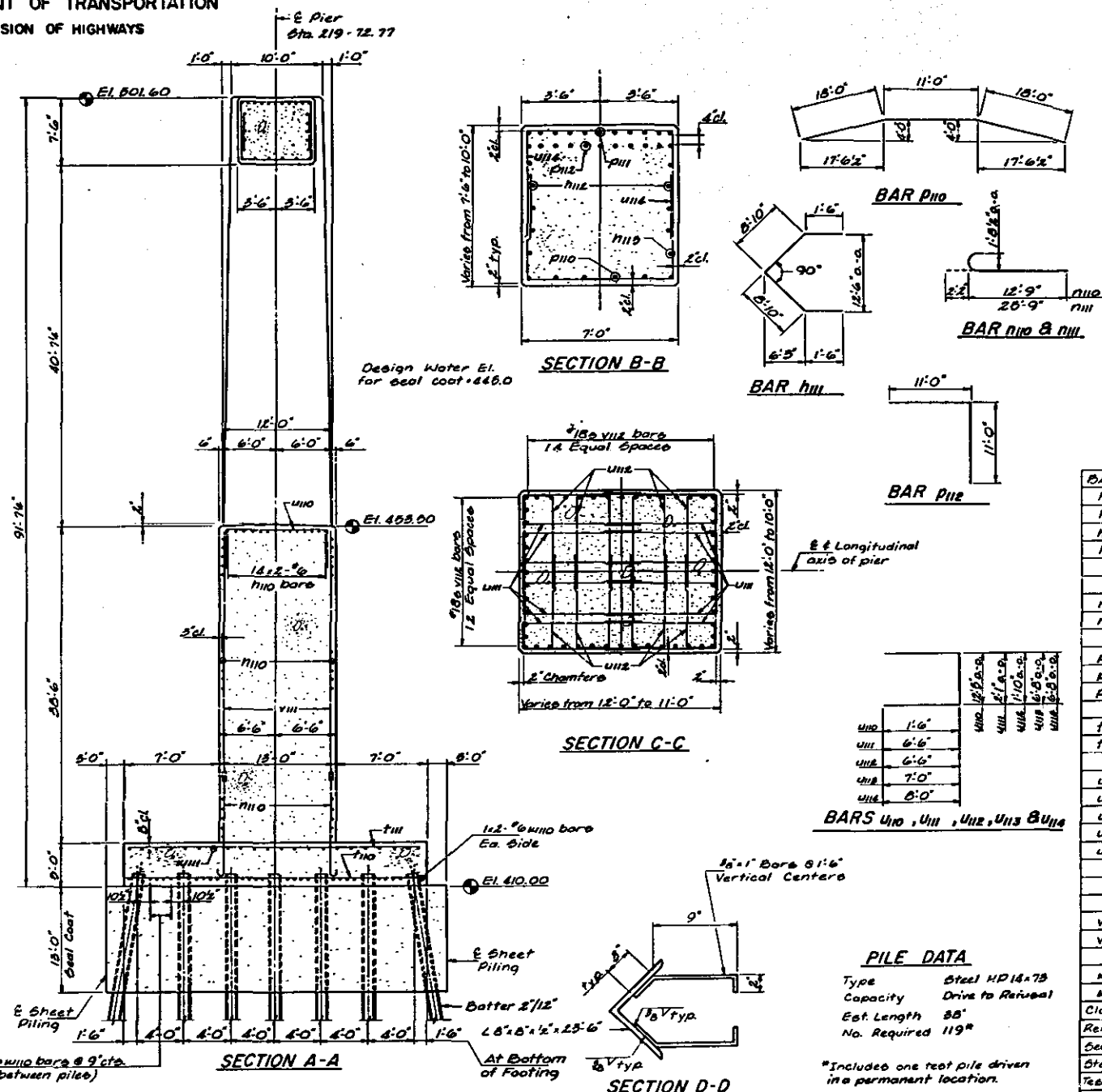
BAR	NO.	SIZE	LENGTH	GRADE
Rein	188	#6	25'-0"	_____
Rein	70	#6	15'-6"	C
Rein	60	#6	20'-6"	_____
Rein	8	#6	12'-0"	_____
Rein	188	#4	5'-1"	C
Rein	10	#2	21'-7"	_____
Rein	10	#4a	24'-0"	_____
Rein	20	#16	10'-0"	_____
Rein	86	#11	10'-6"	_____
Rein	10	#5	25'-1"	D
Rein	27	#5	21'-6"	_____
Rein	248	#5	21'-6"	_____
Rein	248	#5	21'-1"	_____
Rein	44	#5	19'-6"	_____
Rein	27	#5	21'-6"	_____
Rein	20	#5	21'-6"	_____
Rein	128	#4	20'-6"	_____
Rein	48	#10	21'-6"	_____
Rein	65	#10	21'-6"	_____
Rein	54	#6	21'-6"	_____
Rein	40	#6	21'-6"	_____
Class A Concrete			See Note	See Note
Reinforcement Bars			See Note	See Note
Steel Pipe Reinforcement			See Note	See Note
Steel Pipe (4" x 10')			See Note	See Note
Steel Pipe (12" x 10')			See Note	See Note
Reinforcement Bars			See Note	See Note
Reinforcement Bars			See Note	See Note
Reinforcement Bars			See Note	See Note

PIER 10

ST. CLAIRS BLIND
OVER THE BLINDS BLIND
E.A. BOUTE JR. SEC. 11.2-1
FROM 6 BAZZELL BOUTER

[illegible]

REPORT NO.	REL.	SUBJECT	TOTAL PAGES	PAGE NO.
F.A.B.I.	15B-1	Peoria & Taxewell	28	6
REL. ROAD DIST. NO. 7		ALIBI		PROJECT



<u>PIER II</u>				
<u>BILL OF MATERIAL</u>				
<u>BAR</u>	<u>NO.</u>	<u>SIZE</u>	<u>LENGTH</u>	<u>SHAPE</u>
M10	180	"6	29'-5"	—
M11	78	"6	20'-8"	C
M12	20	"9	15'-9"	—
M13	8	"9	11'-0"	—
M10 @	90	"14s	18'-11"	C
M11 @	90	"14s	27'-11"	C
P10	6	"1	47'-0"	—
P11	11	"12s	54'-0"	—
P12	22	"14s	22'-0"	┐
T10	152	"14s	26'-6"	—
T11	71	"5	26'-6"	—
U10	54	"6	18'-9"	┘
U11	768	"6	15'-1"	┘
U12	768	"9	14'-10"	┘
U13	56	"9	20'-0"	┘
U14	25	"6	22'-8"	┘
VIII @	90	"14s	30'-0"	—
V12	104	18s	54'-3"	—
X10	62	"6	26'-3"	—
X11	54	"5	26'-0"	—
Class A Concrete			Cu Yds.	2,056.1
Reinforcement Bars			Lbs.	20,910
Seal Coat Concrete			Cu Yds.	1,356.1
Steel Piles HP 14x75			Lin Ft.	4,484
Test Pile HP 14x75			Each	1
Cofferdam Excavation			Cu Yds.	3,225
Cofferdam			Each	1

PILE DATA

Type	Steel HP 14x75
Capacity	Drive to Refusal
Est. Length	35'
No. Required	119*

*Included one test pile driven in a permanent location.

② Bore No. 111 & 112 shall be tested to the ultimate Reinforcement For

Note:
Lap splices for #14s & 18s bars will not be permitted.

PIER 11
M²CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES



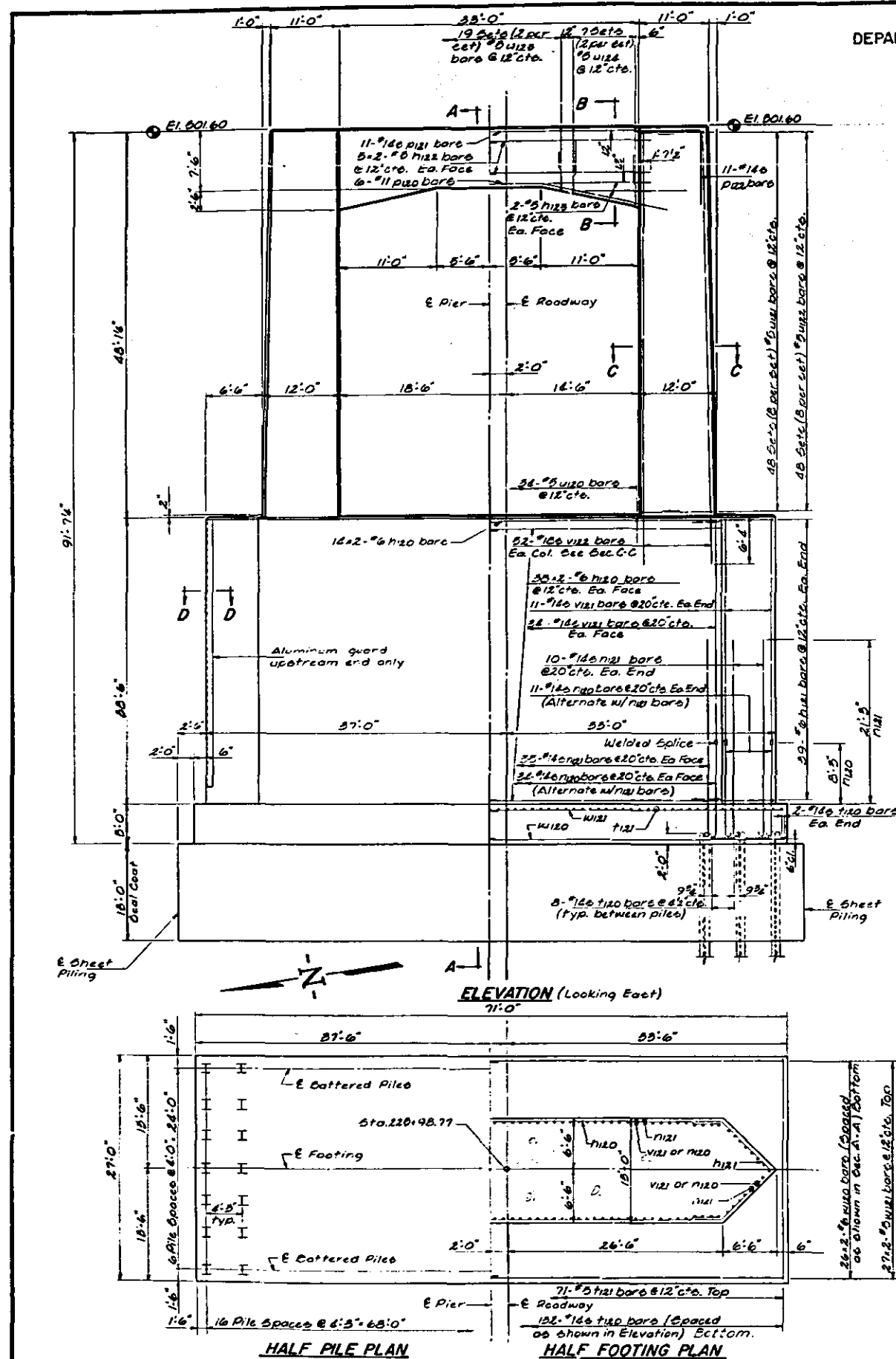
**HANSON
ENGINEERS**
INCORPORATED

ROBERT G. FIELD, M.ASCE
PETER A. KLINGJIS

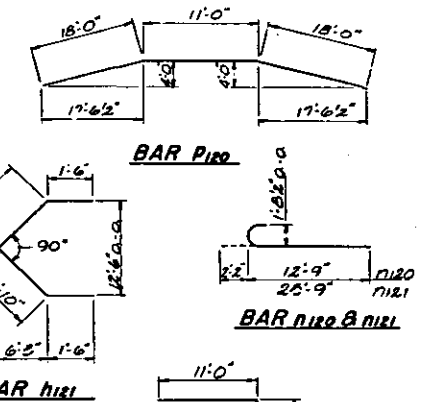
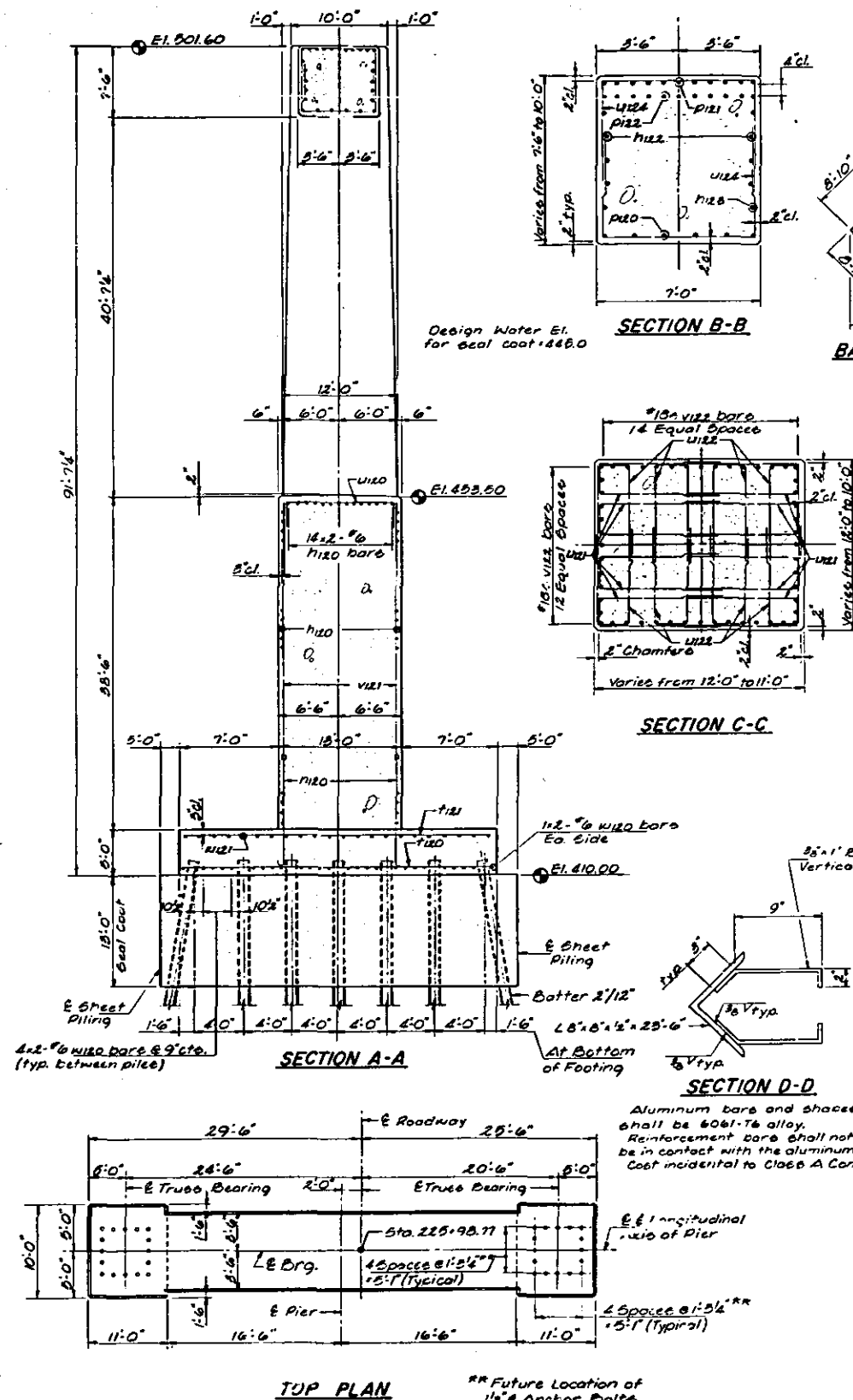
74001
DATE
12-31-74

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	SEC.	COUNTY	SHEET NO.	TOTAL SHEETS
FA 31	15B-1	Peoria & Tazewell	28	7
DESIGNED BY	DATE	APPROVED	PROJECT	



Sta. 225+98.77



**PIER 12
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
h120	180	#6	29'-5"	
h121	78	#6	20'-5"	C
h122	20	#6	18'-9"	
h123	8	#6	11'-0"	
h120	90	#14	18'-11"	C
h121	90	#14	27'-11"	C
P1120	6	#11	47'-0"	
P1121	11	#14	28'-0"	
P1122	22	#14	22'-0"	T
h120	182	#16	26'-6"	
h121	71	#6	26'-6"	
U120	34	#5	10'-0"	J
U121	765	#5	10'-1"	J
U122	765	#5	12'-10"	J
U123	88	#5	20'-8"	J
U124	28	#5	22'-8"	J
V121	90	#14	30'-0"	
V122	104	#16	24'-5"	
K120	52	#6	26'-5"	
K121	54	#5	26'-0"	
Class A Concrete		Cu. Yds.	208.1	
Reinforcement Bars		Lbs.	207,510	
Seal Coat Concrete		Cu. Yds.	1,356.1	
Steel Pile HP 14x73		Lin. Ft.	8,014	
Test Pile HP 14x73		Each	1	
Cofferdam Excavation		Cu. Yds.	2,068	
Cofferdam		Each	1	

PILE DATA

Type	Steel HP 14x73
Capacity	Drive to Refusal
Est. Length	48'
No. Required	119*

*Includes one test pile driven in a permanent location.
*Bars h120, h121 & h122 shall be Grade 60 Steel Reinforcement Bars.

Note: Lap Splices for #14 & #16 bars will not be permitted.

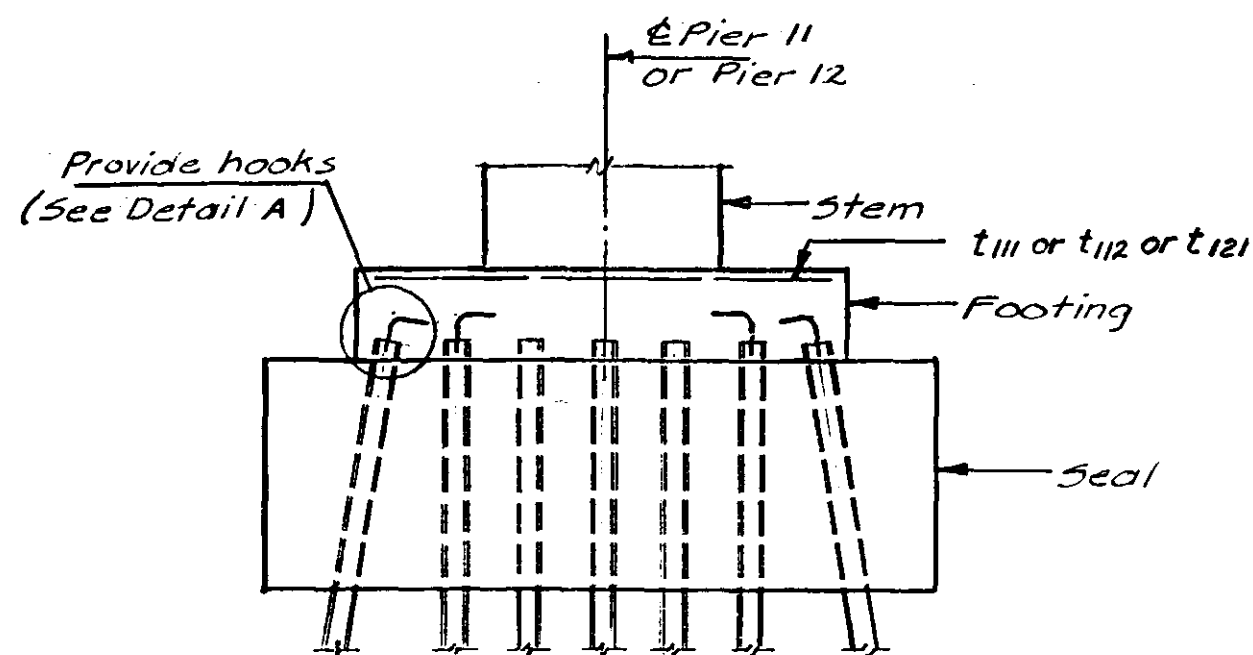
PIER 12

**M^CCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15B-1
PEORIA & TAZEWELL COUNTIES**

CRN
DLB
DAR
CRN

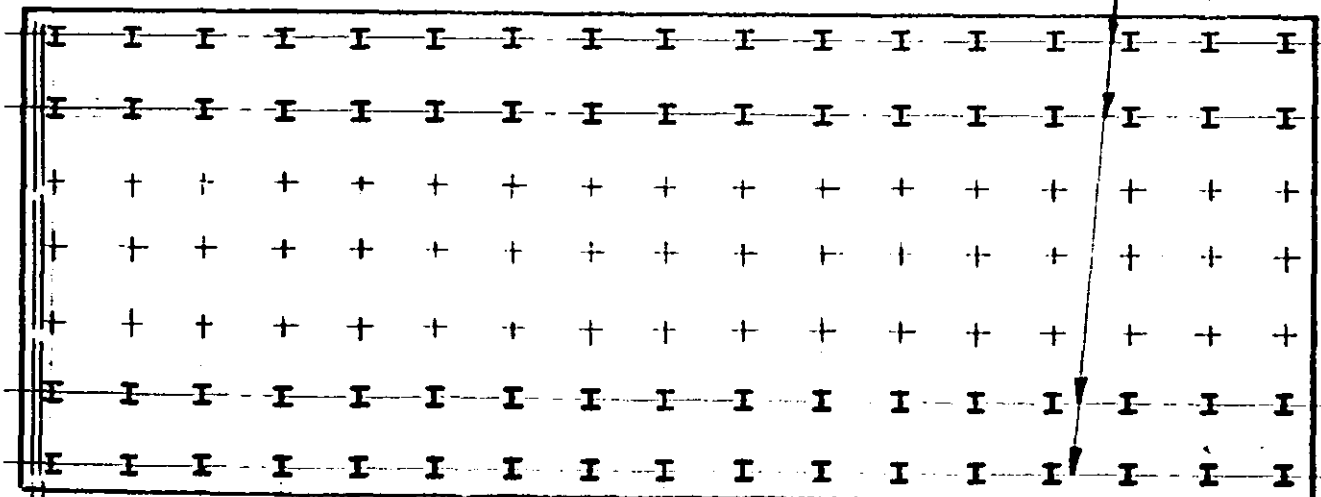
HANSON ENGINEERS
INCORPORATED
SPRINGFIELD, ILLINOIS
PEORIA, ILLINOIS

78001
12-21-74



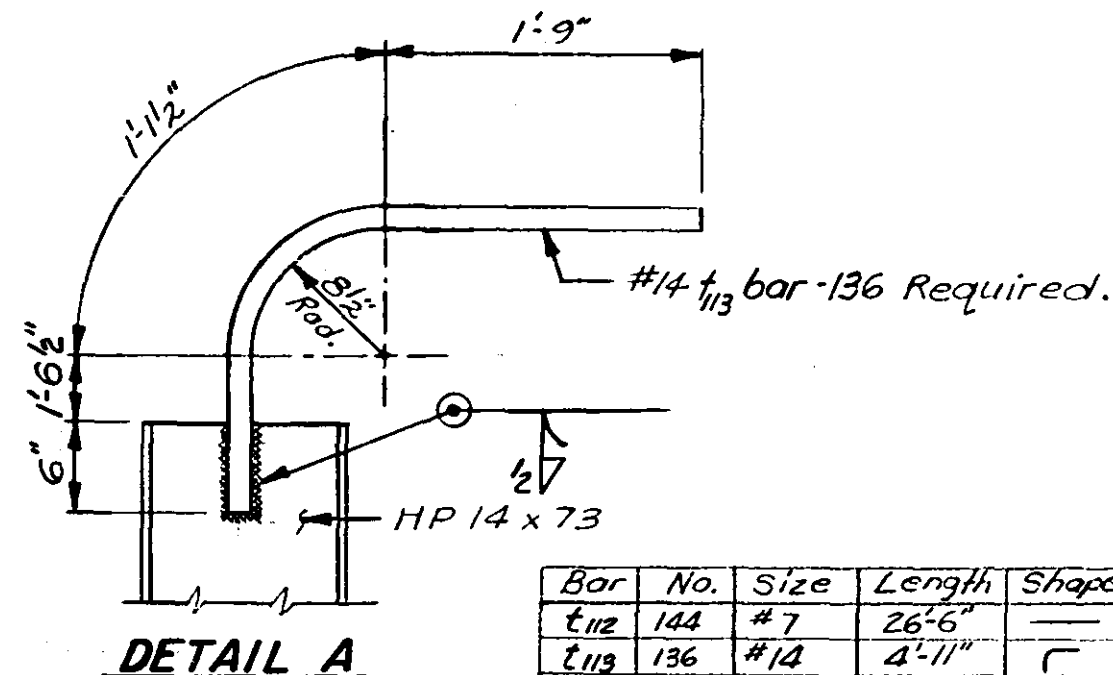
SECTION A-A

These four rows of piles to be provided with hooks. (See Detail A)



71-#5 t_{111} or t_{121} bars @ 12" cts. Top of footing.
Now shown on plans.
Add 72-#7 t_{112} bars @ 12" cts.
Alternate with t_{111} in top of footing.

PILE PLAN



Bar	No.	Size	Length	Shape
t_{112}	144	#7	26'-6"	—
t_{113}	136	#14	4'-11"	⌋

BILL OF MATERIAL

Reinforcement Bars - Lbs - 12,920

REVISIONS TO PIERS 11 & 12

M^c LUGAGE BRIDGE

OVER THE ILLINOIS RIVER

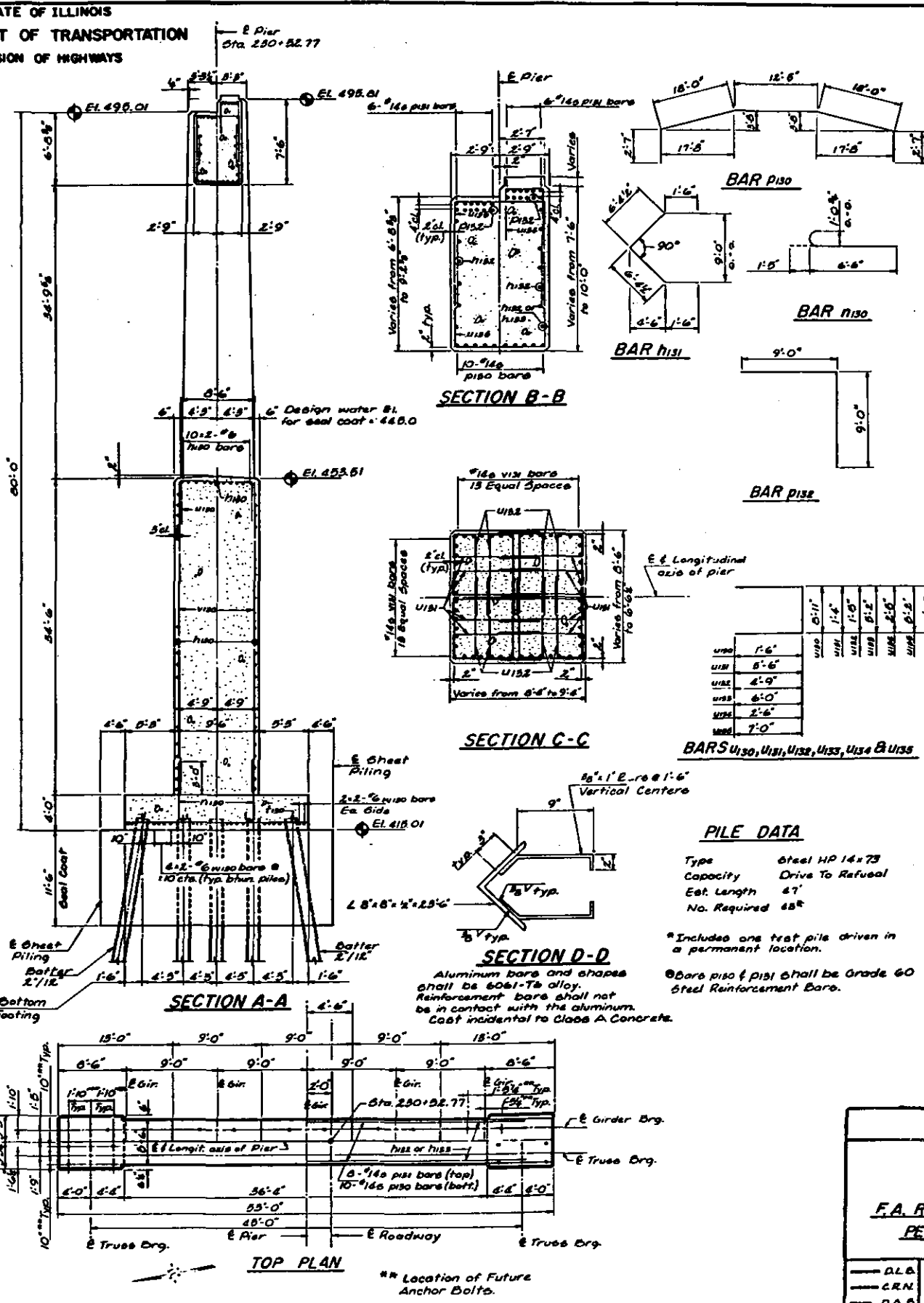
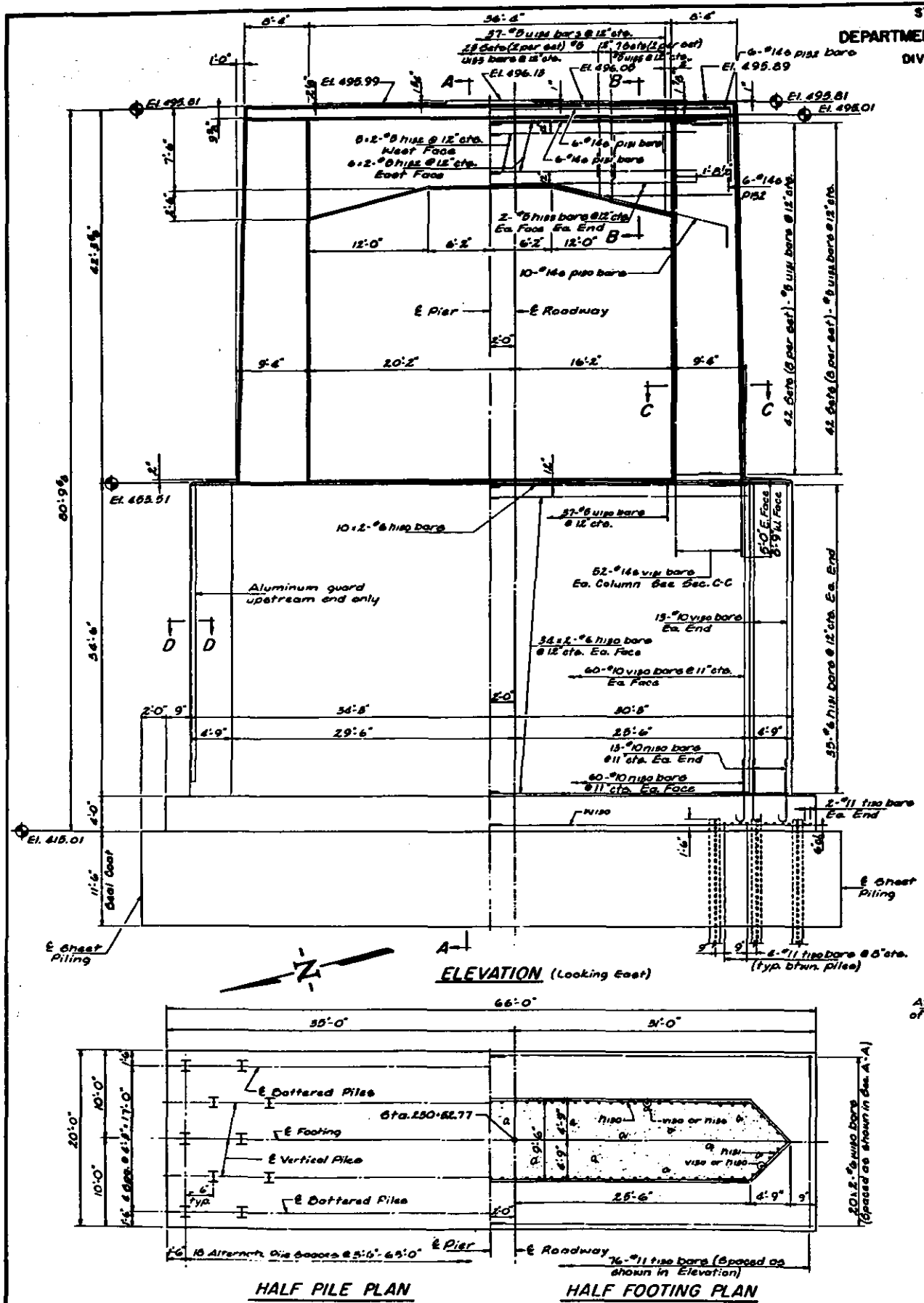
F.A. ROUTE 31

SEC. 15 B-1

PEORIA & TAZEWELL COUNTIES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT NO.	DATE	BY	CHKD.	APP'D.
F.A. 31	10-1	Peoria & Tazewell	28	8



PIER 13

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
H150	106	#6	28'-0"	
H151	70	#6	18'-9"	
H152	22	#8	20'-6"	
H153	8	#5	12'-0"	
H150	146	#10	7'-11"	
P150	10	#16	85'-7"	
P151	12	#16	52'-0"	
P152	24	#16	18'-0"	
F150	76	#11	19'-6"	
U150	37	#5	11'-11"	
U151	672	#5	12'-4"	
U152	672	#5	10'-11"	
U153	48	#5	17'-2"	
U154	37	#5	7'-8"	
U155	28	#5	19'-2"	
V150	146	#10	35'-5"	
V151	104	#16	47'-0"	
W150	40	#6	35'-6"	
Class A Concrete	Cu Yds.	116.13		
Reinforcement Bars	Lbs.	115,173		
Seal Coat Concrete	Cu Yds.	864.6		
Steel Piles HP 14x73	Lin. Ft.	2,203		
Test Pile HP 14x73	Each	1		
Cofferdam Excavation	Cu Yds.	2,226		
Cofferdam	Each	1		

PILE DATA

Type Steel HP 14x73
Capacity Drive To Refusal
Est. Length 47'
No. Required 48*

*Includes one test pile driven in a permanent location.

Bars p150 & p151 shall be Grade 60 Steel Reinforcement Bars.

PIER 13

N^o CLUGAGE BRIDGE

OVER THE ILLINOIS RIVER

F.A. ROUTE 31 SEC. 15 B-1

PEORIA & TAZEWELL COUNTIES

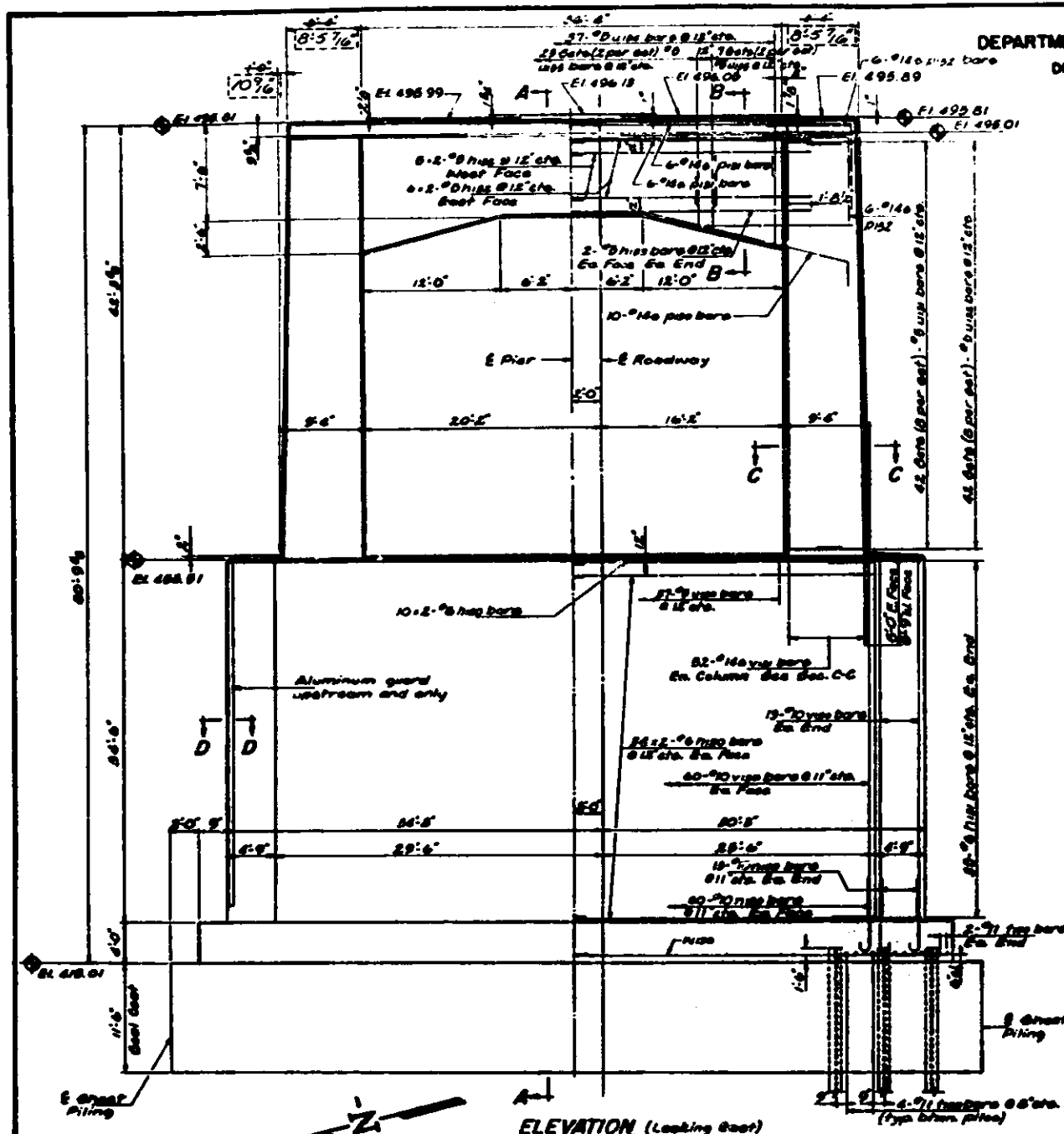
HANSON ENGINEERS

14.30'

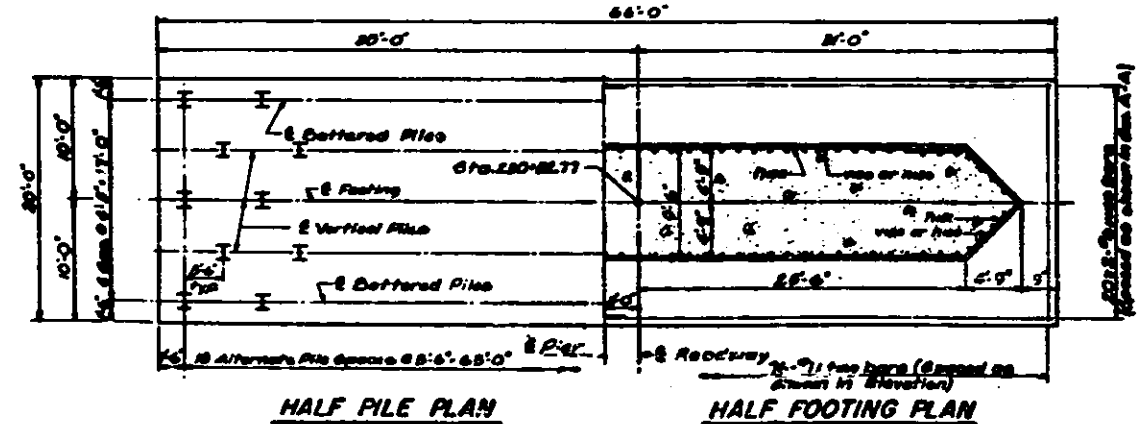
12-11-14

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DATE	NO.	REVISION	BY	CHK
1-24-77	100-1	1	CE	BA

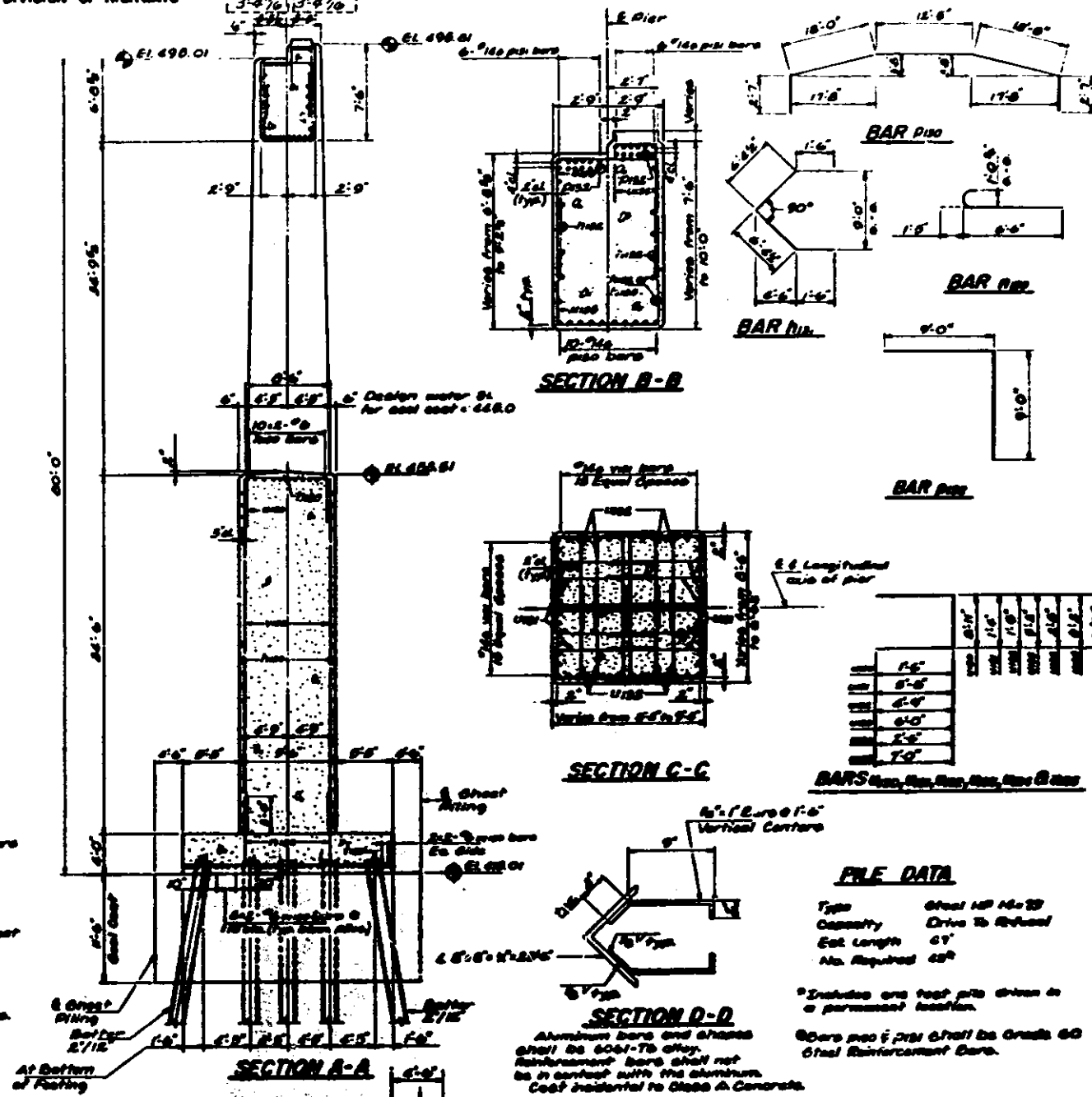


ELEVATION (Looking East)



HALF PILE PLAN

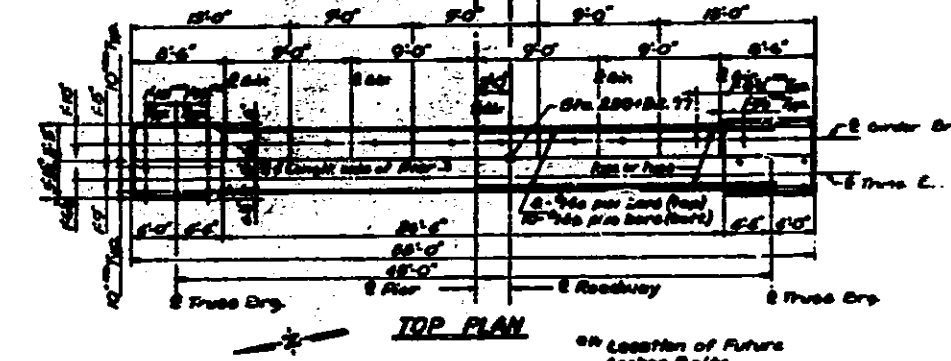
HALF FOOTING PLAN



SECTION A-A

SECTION C-C

SECTION D-D



TOP PLAN

PILE DATA

Type	Steel HP 14x25
Capacity	Drive to Refusal
Est. Length	41'
No. Required	25*

*Includes one test pile driven in a permanent location.

Reinforcement bars shall be Grade 60 Steel Reinforcement Bars.

PIER 13

BILL OF MATERIAL

BAR NO.	SIZE	LENGTH	QUANTITY
100	#8	20'-0"	100
101	#8	20'-0"	100
102	#8	20'-0"	100
103	#8	20'-0"	100
104	#8	20'-0"	100
105	#8	20'-0"	100
106	#8	20'-0"	100
107	#8	20'-0"	100
108	#8	20'-0"	100
109	#8	20'-0"	100
110	#8	20'-0"	100
111	#8	20'-0"	100
112	#8	20'-0"	100
113	#8	20'-0"	100
114	#8	20'-0"	100
115	#8	20'-0"	100
116	#8	20'-0"	100
117	#8	20'-0"	100
118	#8	20'-0"	100
119	#8	20'-0"	100
120	#8	20'-0"	100
121	#8	20'-0"	100
122	#8	20'-0"	100
123	#8	20'-0"	100
124	#8	20'-0"	100
125	#8	20'-0"	100
126	#8	20'-0"	100
127	#8	20'-0"	100
128	#8	20'-0"	100
129	#8	20'-0"	100
130	#8	20'-0"	100
131	#8	20'-0"	100
132	#8	20'-0"	100
133	#8	20'-0"	100
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136	#8	20'-0"	100
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138	#8	20'-0"	100
139	#8	20'-0"	100
140	#8	20'-0"	100
141	#8	20'-0"	100
142	#8	20'-0"	100
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144	#8	20'-0"	100
145	#8	20'-0"	100
146	#8	20'-0"	100
147	#8	20'-0"	100
148	#8	20'-0"	100
149	#8	20'-0"	100
150	#8	20'-0"	100
151	#8	20'-0"	100
152	#8	20'-0"	100
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158	#8	20'-0"	100
159	#8	20'-0"	100
160	#8	20'-0"	100
161	#8	20'-0"	100
162	#8	20'-0"	100
163	#8	20'-0"	100
164	#8	20'-0"	100
165	#8	20'-0"	100
166	#8	20'-0"	100
167	#8	20'-0"	100
168	#8	20'-0"	100
169	#8	20'-0"	100
170	#8	20'-0"	100
171	#8	20'-0"	100
172	#8	20'-0"	100
173	#8	20'-0"	100
174	#8	20'-0"	100
175	#8	20'-0"	100
176	#8	20'-0"	100
177	#8	20'-0"	100
178	#8	20'-0"	100
179	#8	20'-0"	100
180	#8	20'-0"	100
181	#8	20'-0"	100
182	#8	20'-0"	100
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194	#8	20'-0"	100
195	#8	20'-0"	100
196	#8	20'-0"	100
197	#8	20'-0"	100
198	#8	20'-0"	100
199	#8	20'-0"	100
200	#8	20'-0"	100

PIER 13

NO. 13 BRIDGE

OVER THE ILLINOIS RIVER

E.A. ROUTE 31 SEC. 13-1-1

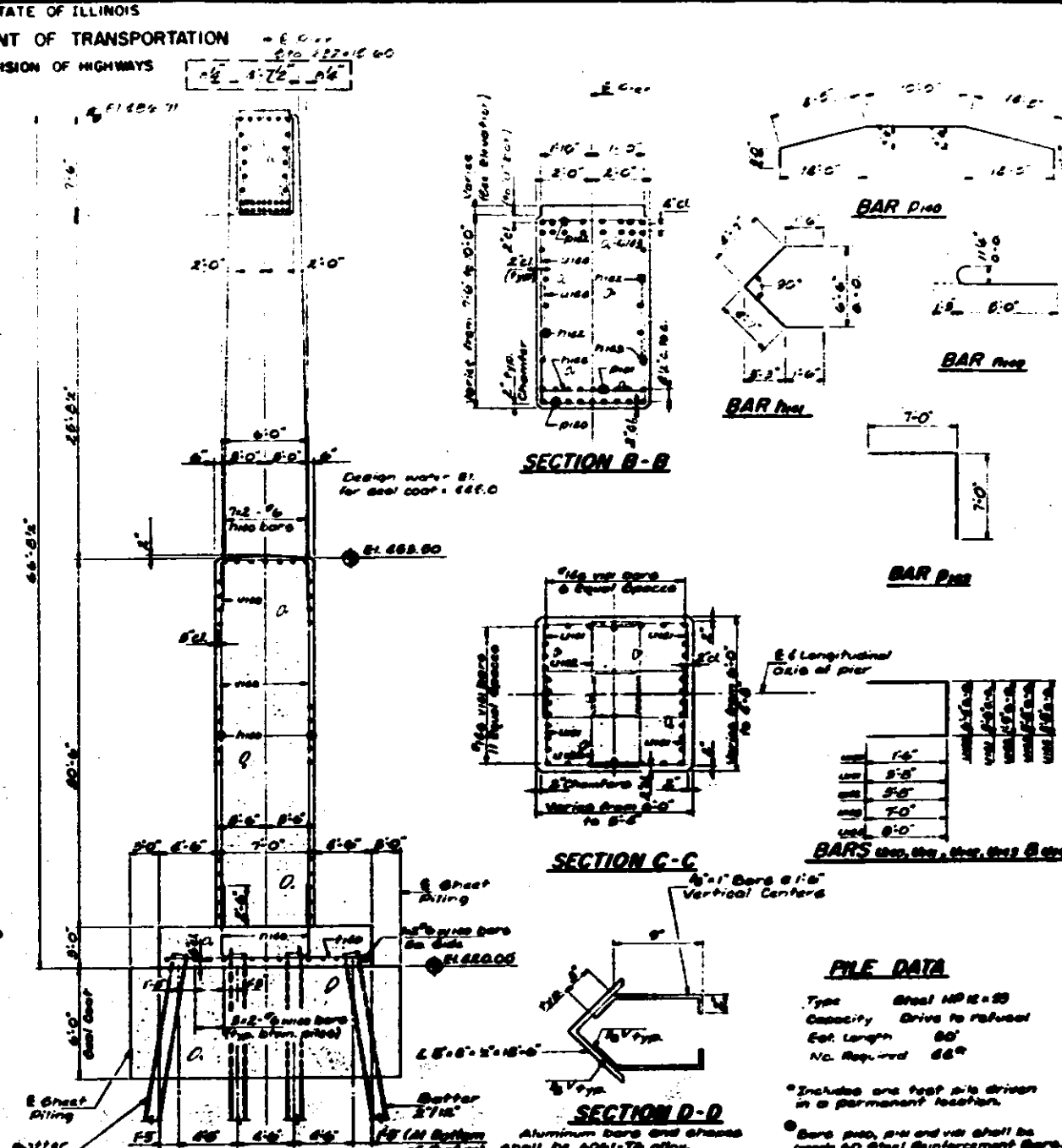
FROM A. B. WELLS COMPANY

MANHATTAN

ENGINEERS

1977

1-24-77



PIER 14

N^O CLUSAGE HERE
OVER THE ILLINOIS RIVER
E.A. ROUTE 31 SEC 15 R-1
FROM A TAYLOR CO. CO.

CRN
DLB
DAB
CRN

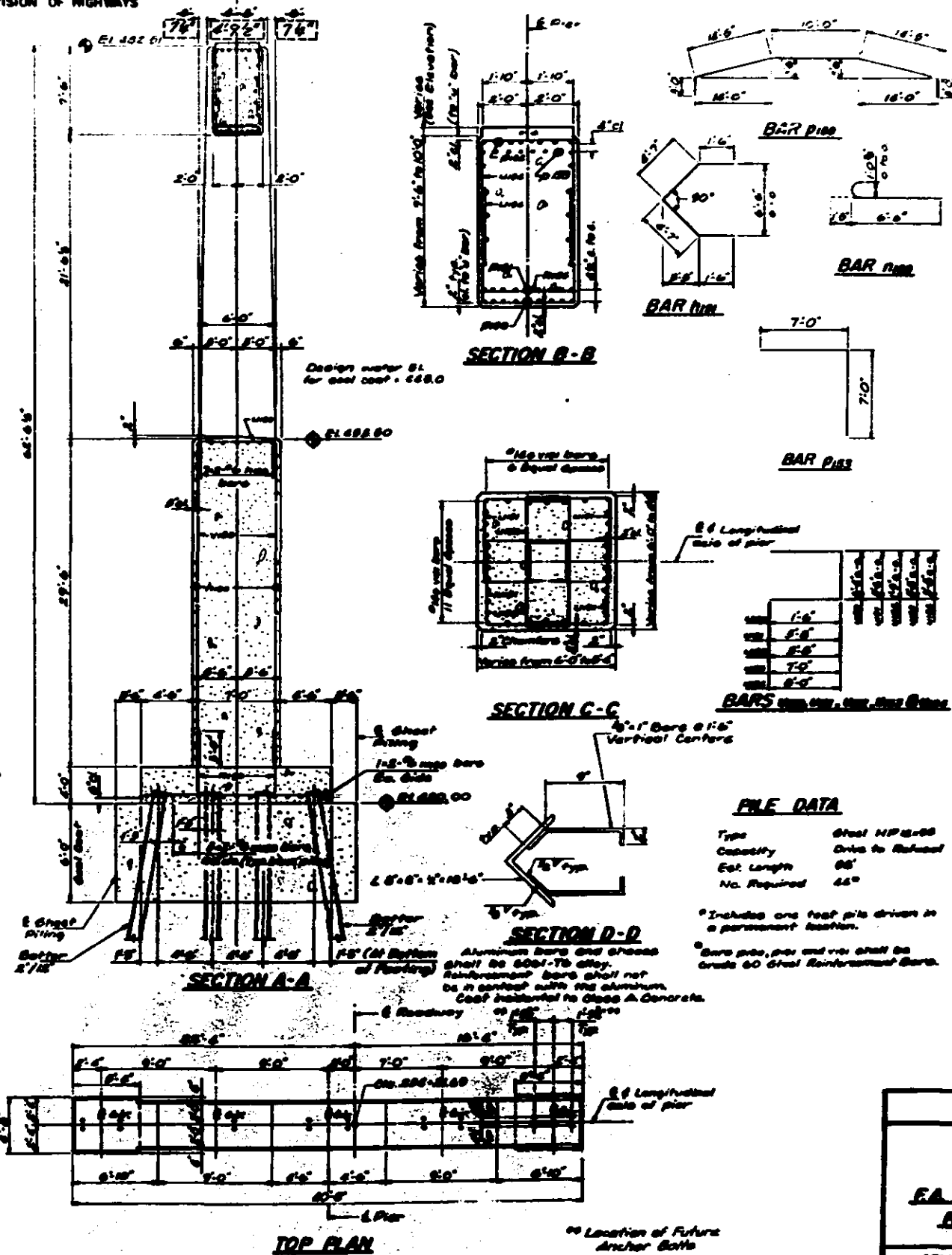
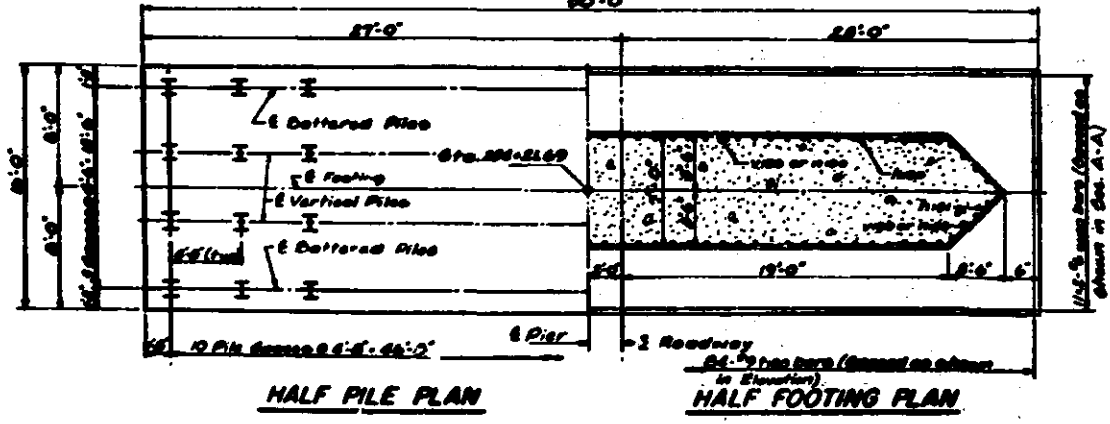
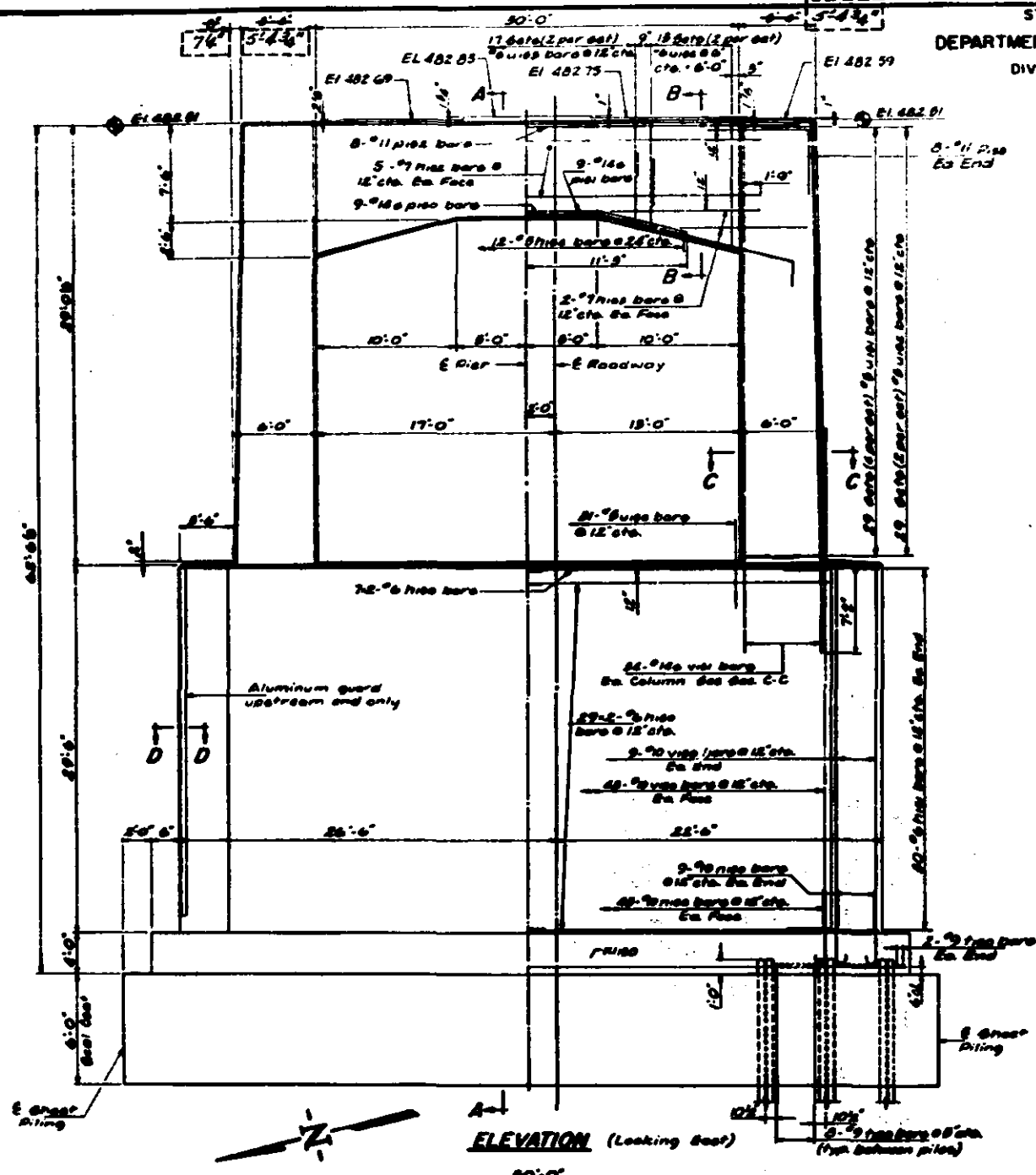
MANNING
ENGINEERS
INCORPORATED

14001
2-51-74

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

1st Pier
Sta 284+21.69

DATE	BY	CHKD	APPD	REV
F.A. 11/10/71	11/10/71	2E	10A	



PIER 15
BILL OF MATERIAL

BAR	NO.	DIES	LENGTH	SHAPE
100	150	#6	21'-6"	
101	60	#6	15'-6"	
102	10	#7	20'-6"	
103	5	#7	10'-6"	
104	15	#8	7'-6"	
105	105	#10	7'-11"	
106	9	#10	22'-10"	
107	9	#10	22'-11"	
108	9	#10	22'-11"	
109	10	#10	22'-11"	
110	10	#10	22'-11"	
111	10	#10	22'-11"	
112	10	#10	22'-11"	
113	10	#10	22'-11"	
114	10	#10	22'-11"	
115	10	#10	22'-11"	
116	10	#10	22'-11"	
117	10	#10	22'-11"	
118	10	#10	22'-11"	
119	10	#10	22'-11"	
120	10	#10	22'-11"	
121	10	#10	22'-11"	
122	10	#10	22'-11"	
123	10	#10	22'-11"	
124	10	#10	22'-11"	
125	10	#10	22'-11"	
126	10	#10	22'-11"	
127	10	#10	22'-11"	
128	10	#10	22'-11"	
129	10	#10	22'-11"	
130	10	#10	22'-11"	
131	10	#10	22'-11"	
132	10	#10	22'-11"	
133	10	#10	22'-11"	
134	10	#10	22'-11"	
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136	10	#10	22'-11"	
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196	10	#10	22'-11"	
197	10	#10	22'-11"	
198	10	#10	22'-11"	
199	10	#10	22'-11"	
200	10	#10	22'-11"	

PILE DATA

Type	Steel HP 10x30
Capacity	Drive to Refusal
Est. Length	95'
No. Required	44"

* Includes one test pile driven in a permanent location.
* Bars, piles, and vias shall be Grade 60 Steel Reinforcement Bars.

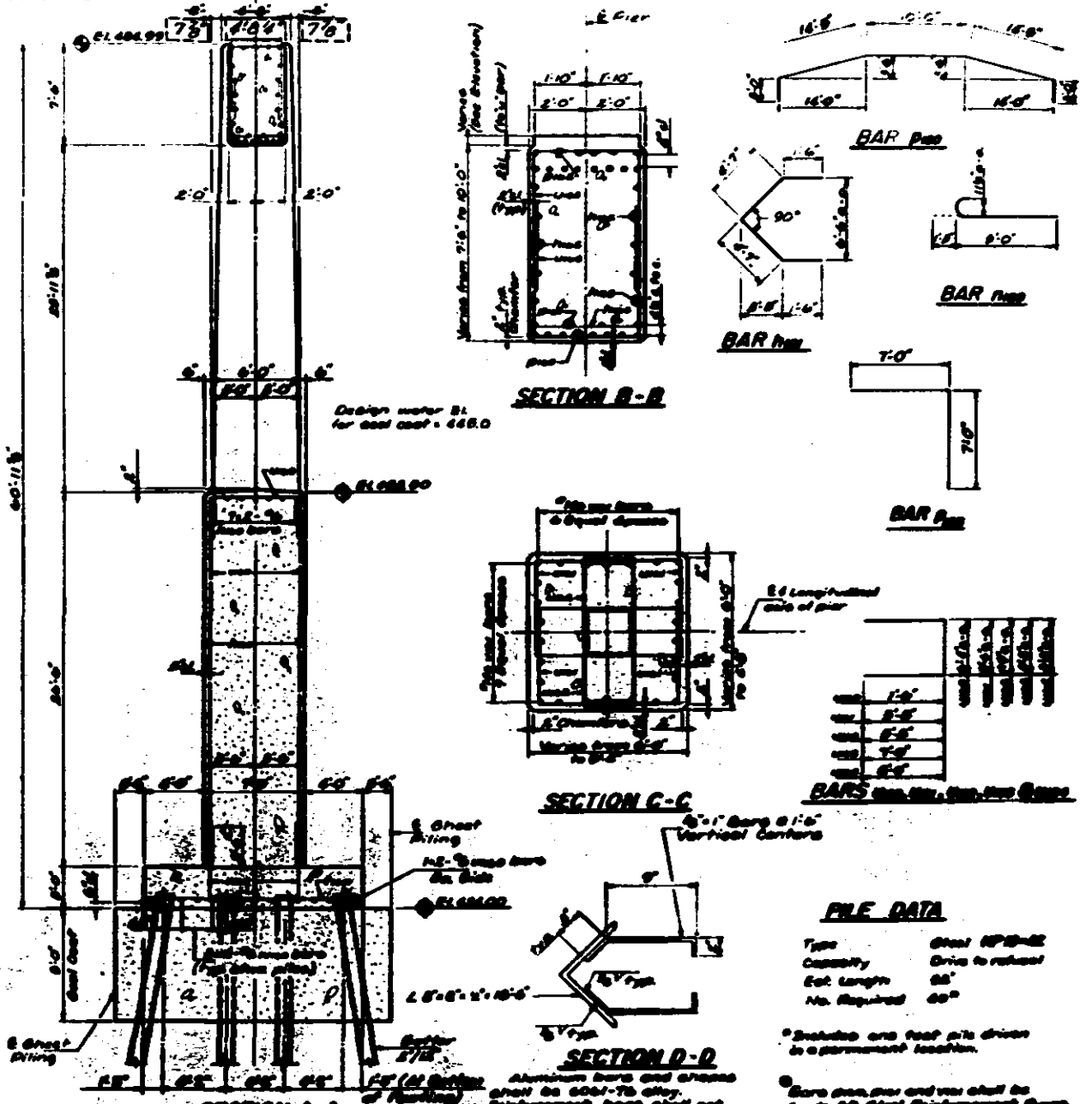
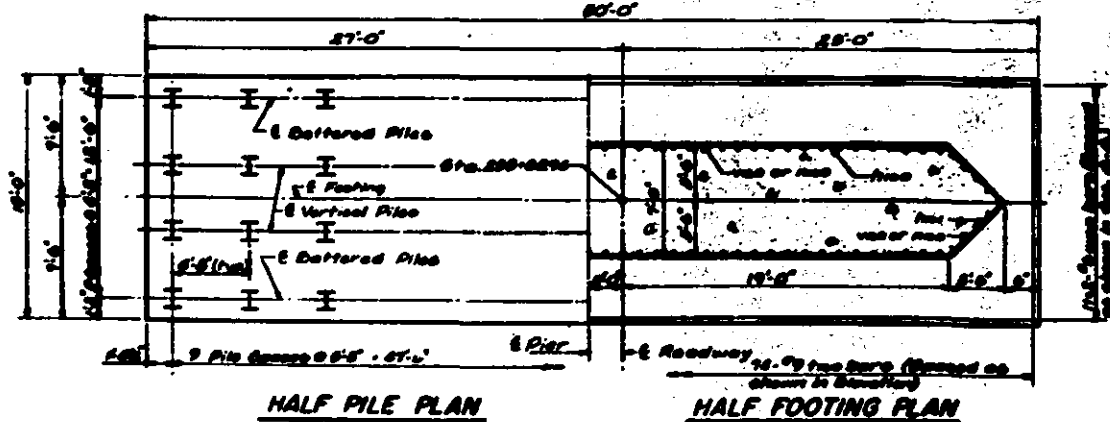
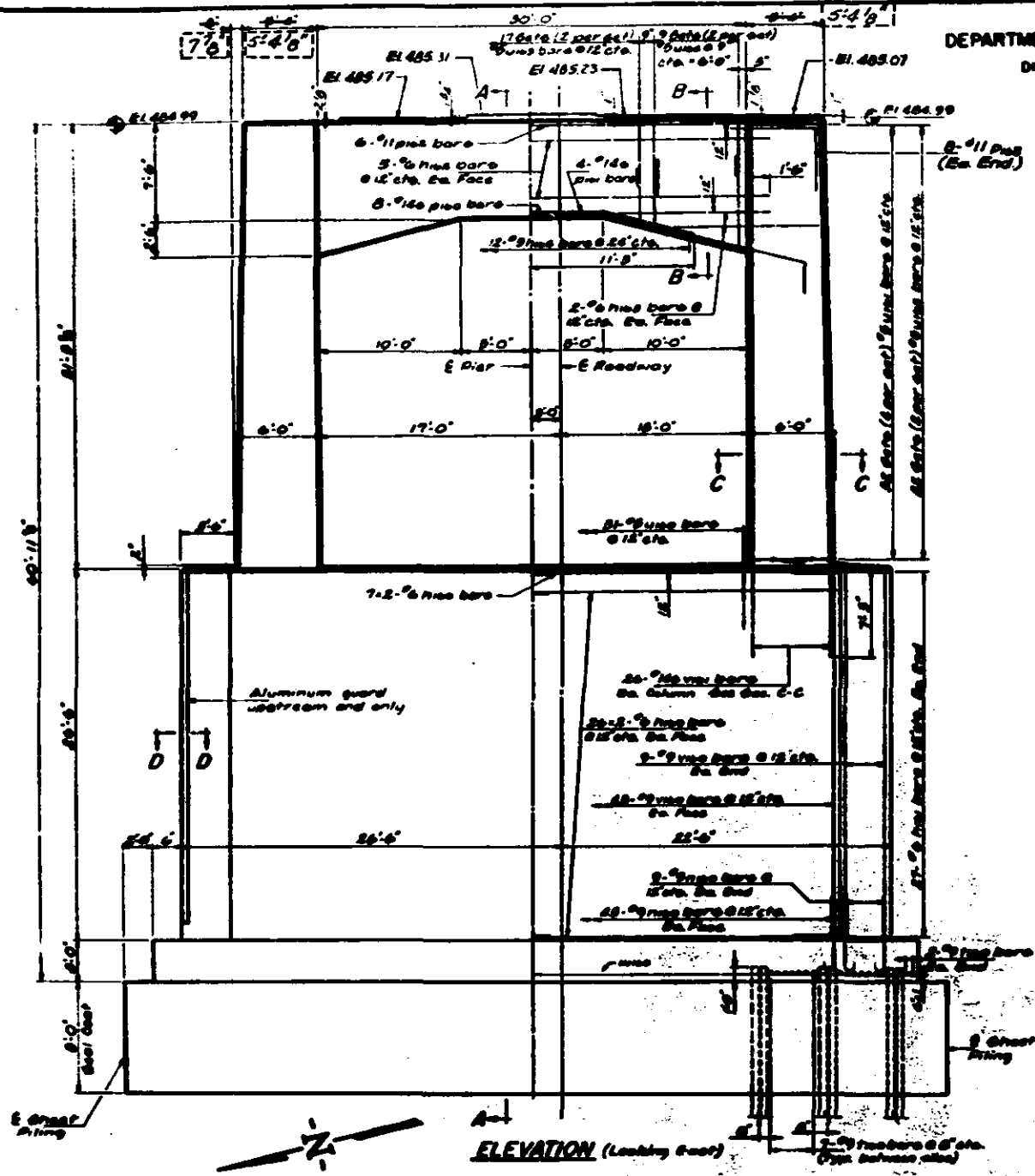
PIER 15
N. CLARENDON BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 11 SEC. 16 R-1
FROM A. J. BARNETT COUNTY

DESIGNED BY
CHECKED BY
APPROVED BY

DATE
MOOD
BY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DATE	NO.	BY	CHKD.	APP'D.
F.A.M. 1981	1001	1001	26	11A



PILE DATA

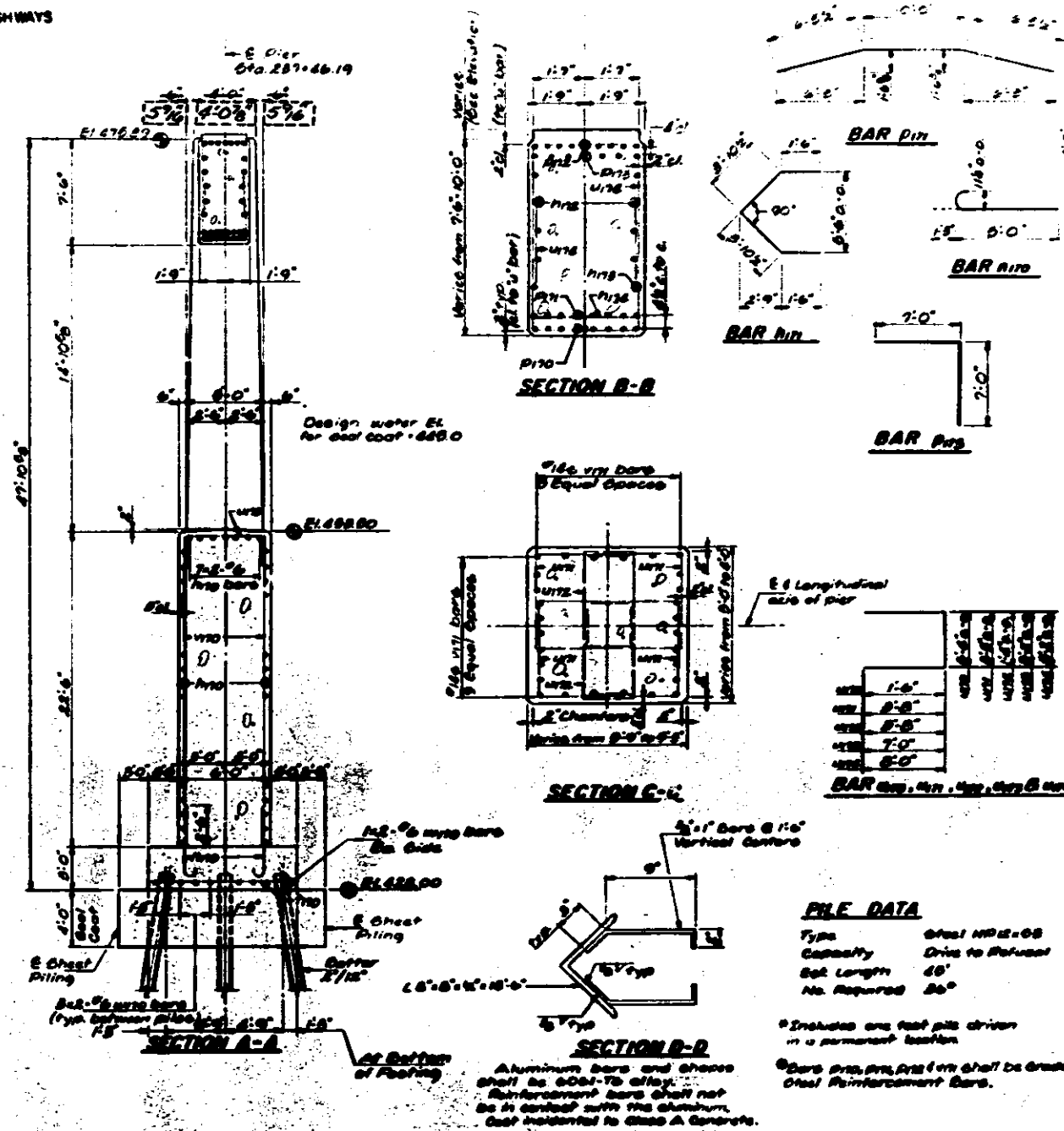
Type	Steel HPB-42
Capacity	Drive to refusal
Est. Length	60'
No. Required	60"

* Included one foot pile driven in a permanent location.
* Bars placed and used shall be Grade 60 Steel Reinforcement Bars.

**PIER 16
BILL OF MATERIAL**

BAR	NO.	SIZE	LENGTH	SHAPE
Bar	11B	#6	2'-0"	_____
Bar	6-6	#6	12'-0"	C _____
Bar	0	#6	3'-0"	_____
Bar	8	#6	10'-0"	_____
Bar	12	#6	5'-0"	_____
Bar	10-6	#9	6'-0"	C _____
Bar	6	#10	45'-0"	_____
Bar	4	#10	25'-0"	_____
Bar	6	#9	10'-0"	_____
Bar	6	#9	10'-0"	_____
Bar	7-6	#9	15'-0"	_____
Bar	2-6	#9	7'-0"	_____
Bar	20-6	#9	10'-0"	_____
Bar	10-6	#9	7'-0"	_____
Bar	3-6	#9	17'-0"	_____
Bar	6-6	#9	10'-0"	_____
Bar	10-6	#9	25'-0"	_____
Bar	10	#10	20'-0"	_____
Bar	20	#6	20'-0"	_____
Class A Concrete				6000
Reinforcement Bars				1.00
Steel Bars Concrete				6000
Steel Bars 10'-0"				20.00
Steel Bars 10'-0"				20.00
Reinforcement Bars				1.00
Reinforcement Bars				1.00

DATE	BY	TIME	2	12
FEB	100-1	10:00 AM	20	12



BAR	NO.	SIZE	LENGTH	GRADE
PV10	102	3/8"	21'-6"	_____
PV4	26	3/8"	10'-6"	C _____
PV2	10	3/8"	35'-0"	_____
PV3	8	3/8"	10'-0"	_____
PV16	12	3/8"	8'-6"	_____

mp	90	90	6-5	
mp	9	90	25-10	
mp	9	90	25-11	
mp	9	90	25-12	
mp	14	90	11-0	
mp	10	90	11-0	

WTP	21	25	25-5	
WTP	176	25	10-5	
WTP	20	25	25-5	
WTP	24	25	15-5	
WTP	22	25	10-5	
WTP	22	25	25-5	_____
WTP	24	25	20-5	_____
WTP	10	25	25-5	_____

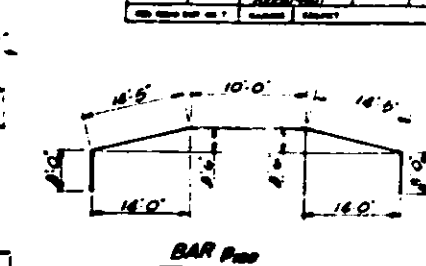
Class A Concrete	Cu Yds.	2547
Reinforcement Bars	Lbs.	24,570
Soft Soil Grout	Cu Yds.	120
Steel Sheet Pile Crib	Sq. Ft.	1710
Soft Pile HP Crib	Sq. Ft.	0
Bottoming Excavation	Cu Yds.	200
Cellarum	Sq. Ft.	1,000

PAGE 17

ST. CLAIRS - BURGESS
OVER THE HILLTOP OVER
F.A. BOWEN - N. SEC. 18-1
FROM A BURGESS COUNTY

CRN
CLB
CAB
CRA

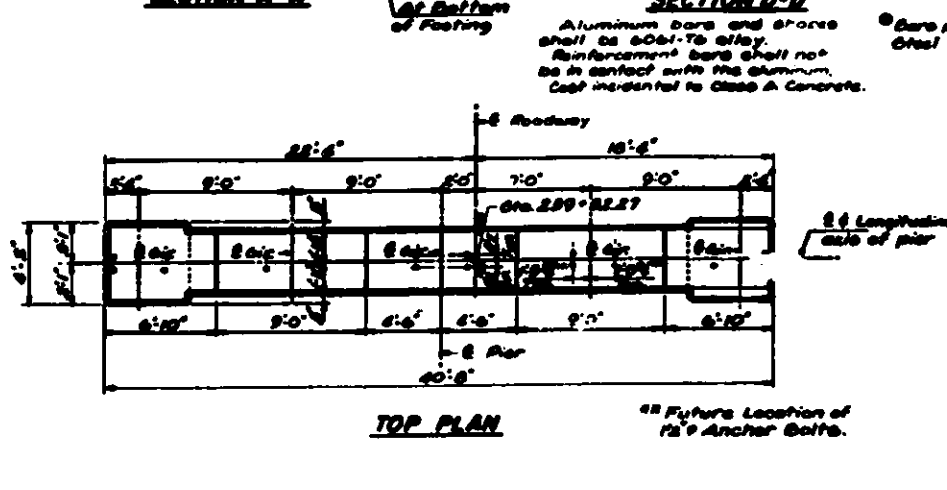
74001
EN
12-21-74



BAR	NO	SIZE	LENGTH	QTY
100	98	1/2"	2'-6"	
101	44	1/2"	10'-9"	2
102	10	1/2"	35'-0"	
103	8	1/2"	10'-0"	
104	12	1/2"	5'-6"	
105				
106	28	1/2"	7'-6"	1
107				
108	9	1/2"	44'-10"	1
109	8	1/2"	22'-11"	1
110	9	1/2"	40'-0"	1
111	14	1/2"	14'-0"	1
112				
113	68	1/2"	10'-9"	
114				
115	21	1/2"	8'-5"	1
116	102	1/2"	5'-7"	1
117	70	1/2"	10'-1"	1
118	21	1/2"	17'-5"	1
119	44	1/2"	10'-5"	1
120				
121	28	1/2"	21'-6"	
122	40	1/2"	22'-10"	
123				
124	22	1/2"	20'-0"	
125				
Class A Concrete			Cu Yds.	297.5
Reinforcement Bars			Lbs.	24,000
Steel Cast Concrete			Cu Yds.	1000
Steel Pipe Holes			Lin. Ft.	4700
Rebar #12			Each	1
Scaffolding Brackets			Cu Yds.	400
Scaffolding			Each	1

Type	Steel HP 12x99
Capacity	Drive to refusal
Est. Length	45'
No. Required	40*

* Includes one test pit driven in a permanent location.

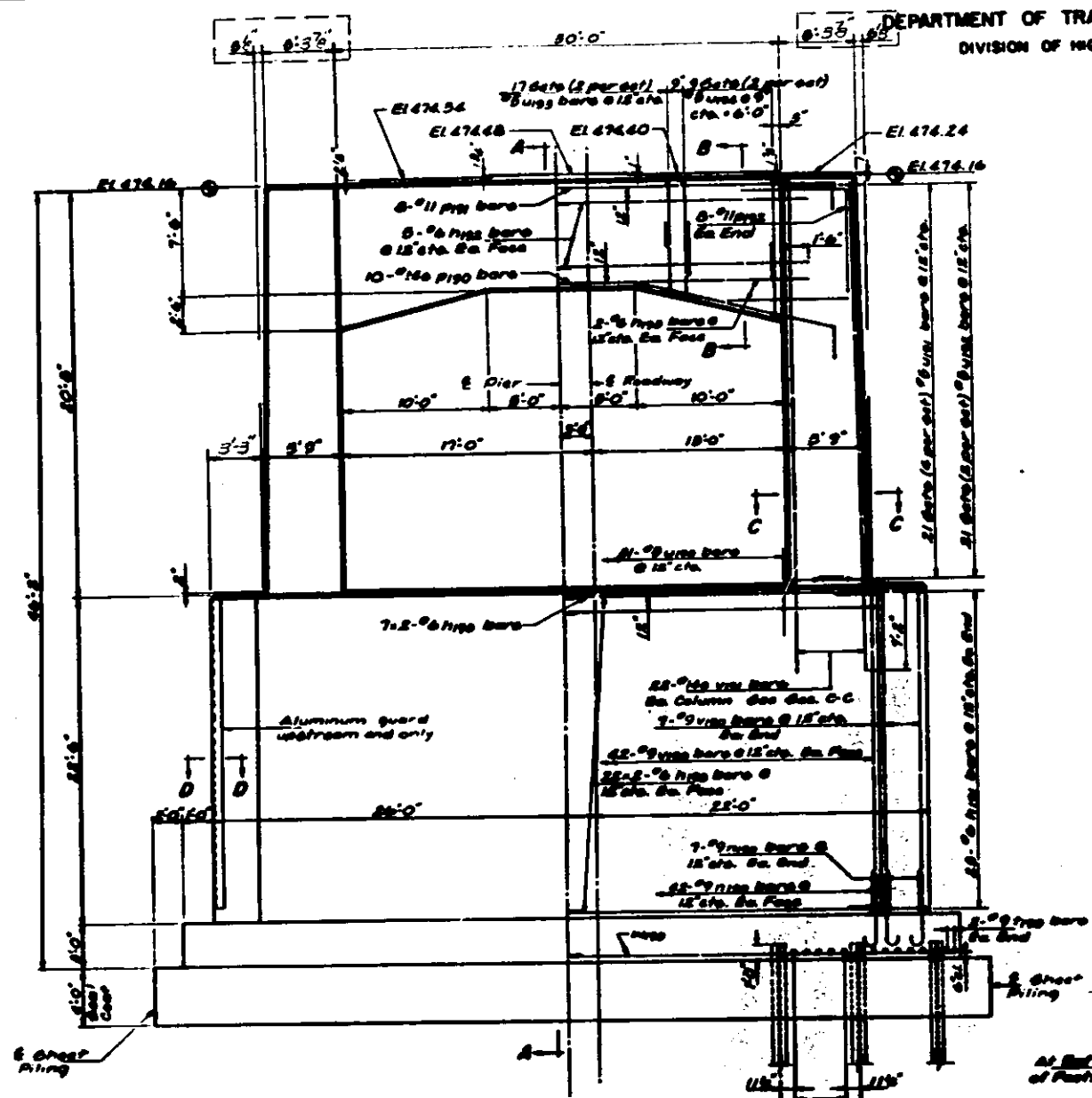


MCCLUSKEY BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC 15B-1
PERDUE & BLAZEWELL COUNTIES

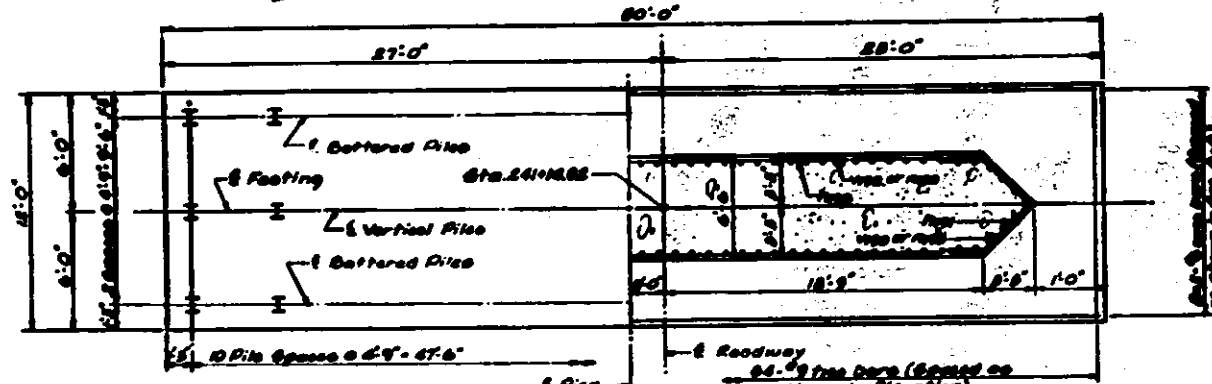
STATION	QLE		HANSON ENGINEERING	FILE NO.	7600
FURNISH	CRN				
DRAWN	QAL		PROJECT NO.	12-2-73	
CHECKED	CRN		SHEET NO.	1 OF 1	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

FA 41	NO-1	March 8	2B	4A
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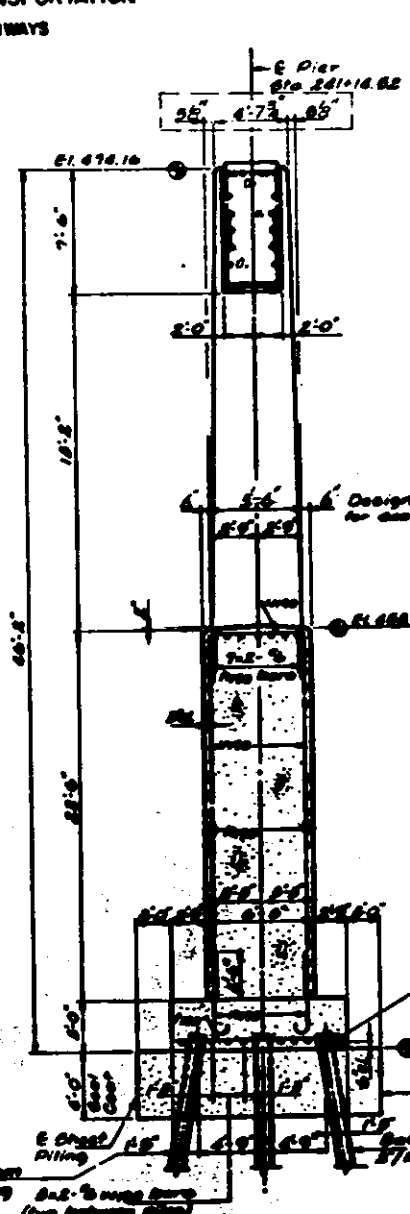


ELEVATION (Looking East)

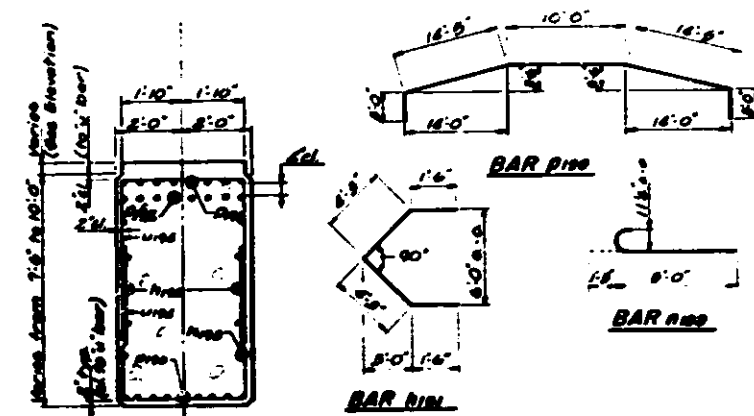


HALF PIER PLAN

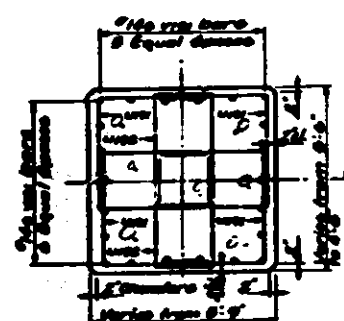
HALF FOOTING PLAN



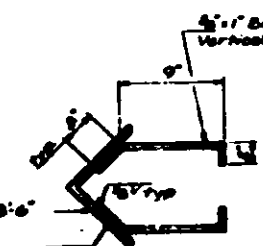
SECTION A-A



SECTION B-B



SECTION C-C



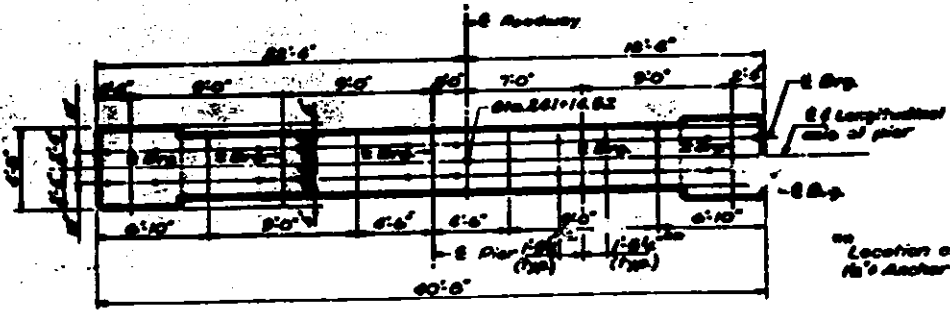
SECTION D-D

PILE DATA

Type	Steel HP 10-42
Capacity	Drive to refusal
Set length	25'
No. Required	20

* Drilled and cast pile driven in a permanent location.
* Bar, size of pile shall be Grade 60 Steel Reinforcement Bars.

Aluminum bars and shapes shall be 6061-T6 alloy. Reinforcement bars shall not be in contact with the aluminum. Cast incidental to Class A Concrete.



TOP PLAN

PIER 19
BILL OF MATERIAL

BAR NO	SIZE	LENGTH	QUANTITY
P100	10	25'-0"	20
P101	10	25'-0"	20
P102	10	25'-0"	20
P103	10	25'-0"	20
P104	10	25'-0"	20
P105	10	25'-0"	20
P106	10	25'-0"	20
P107	10	25'-0"	20
P108	10	25'-0"	20
P109	10	25'-0"	20
P110	10	25'-0"	20
P111	10	25'-0"	20
P112	10	25'-0"	20
P113	10	25'-0"	20
P114	10	25'-0"	20
P115	10	25'-0"	20
P116	10	25'-0"	20
P117	10	25'-0"	20
P118	10	25'-0"	20
P119	10	25'-0"	20
P120	10	25'-0"	20
P121	10	25'-0"	20
P122	10	25'-0"	20
P123	10	25'-0"	20
P124	10	25'-0"	20
P125	10	25'-0"	20
P126	10	25'-0"	20
P127	10	25'-0"	20
P128	10	25'-0"	20
P129	10	25'-0"	20
P130	10	25'-0"	20
P131	10	25'-0"	20
P132	10	25'-0"	20
P133	10	25'-0"	20
P134	10	25'-0"	20
P135	10	25'-0"	20
P136	10	25'-0"	20
P137	10	25'-0"	20
P138	10	25'-0"	20
P139	10	25'-0"	20
P140	10	25'-0"	20
P141	10	25'-0"	20
P142	10	25'-0"	20
P143	10	25'-0"	20
P144	10	25'-0"	20
P145	10	25'-0"	20
P146	10	25'-0"	20
P147	10	25'-0"	20
P148	10	25'-0"	20
P149	10	25'-0"	20
P150	10	25'-0"	20
P151	10	25'-0"	20
P152	10	25'-0"	20
P153	10	25'-0"	20
P154	10	25'-0"	20
P155	10	25'-0"	20
P156	10	25'-0"	20
P157	10	25'-0"	20
P158	10	25'-0"	20
P159	10	25'-0"	20
P160	10	25'-0"	20
P161	10	25'-0"	20
P162	10	25'-0"	20
P163	10	25'-0"	20
P164	10	25'-0"	20
P165	10	25'-0"	20
P166	10	25'-0"	20
P167	10	25'-0"	20
P168	10	25'-0"	20
P169	10	25'-0"	20
P170	10	25'-0"	20
P171	10	25'-0"	20
P172	10	25'-0"	20
P173	10	25'-0"	20
P174	10	25'-0"	20
P175	10	25'-0"	20
P176	10	25'-0"	20
P177	10	25'-0"	20
P178	10	25'-0"	20
P179	10	25'-0"	20
P180	10	25'-0"	20
P181	10	25'-0"	20
P182	10	25'-0"	20
P183	10	25'-0"	20
P184	10	25'-0"	20
P185	10	25'-0"	20
P186	10	25'-0"	20
P187	10	25'-0"	20
P188	10	25'-0"	20
P189	10	25'-0"	20
P190	10	25'-0"	20
P191	10	25'-0"	20
P192	10	25'-0"	20
P193	10	25'-0"	20
P194	10	25'-0"	20
P195	10	25'-0"	20
P196	10	25'-0"	20
P197	10	25'-0"	20
P198	10	25'-0"	20
P199	10	25'-0"	20
P200	10	25'-0"	20

PIER 19
N. CLINEAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31
MORRIS & ILLINOIS COUNTIES

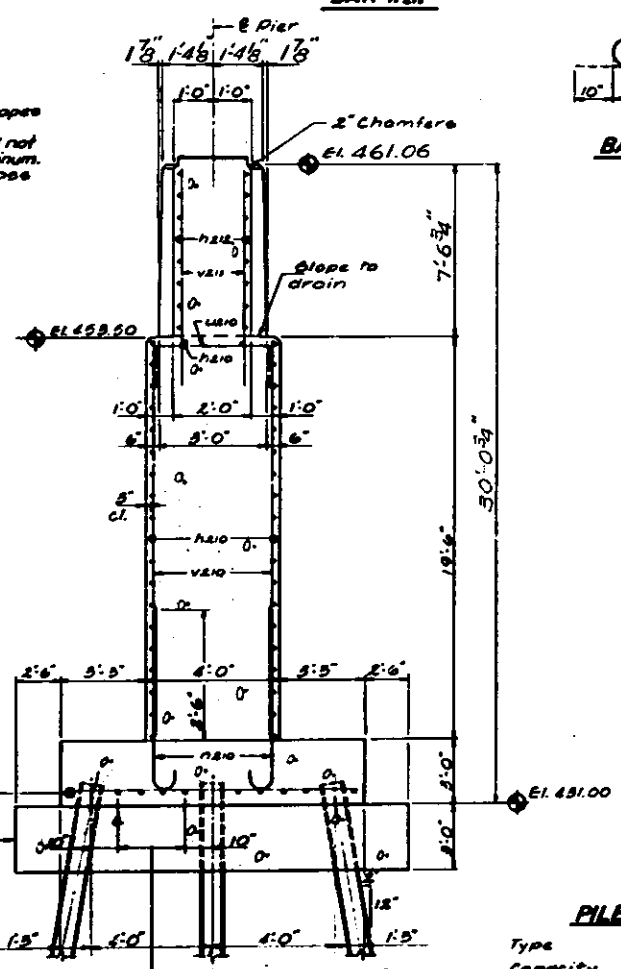
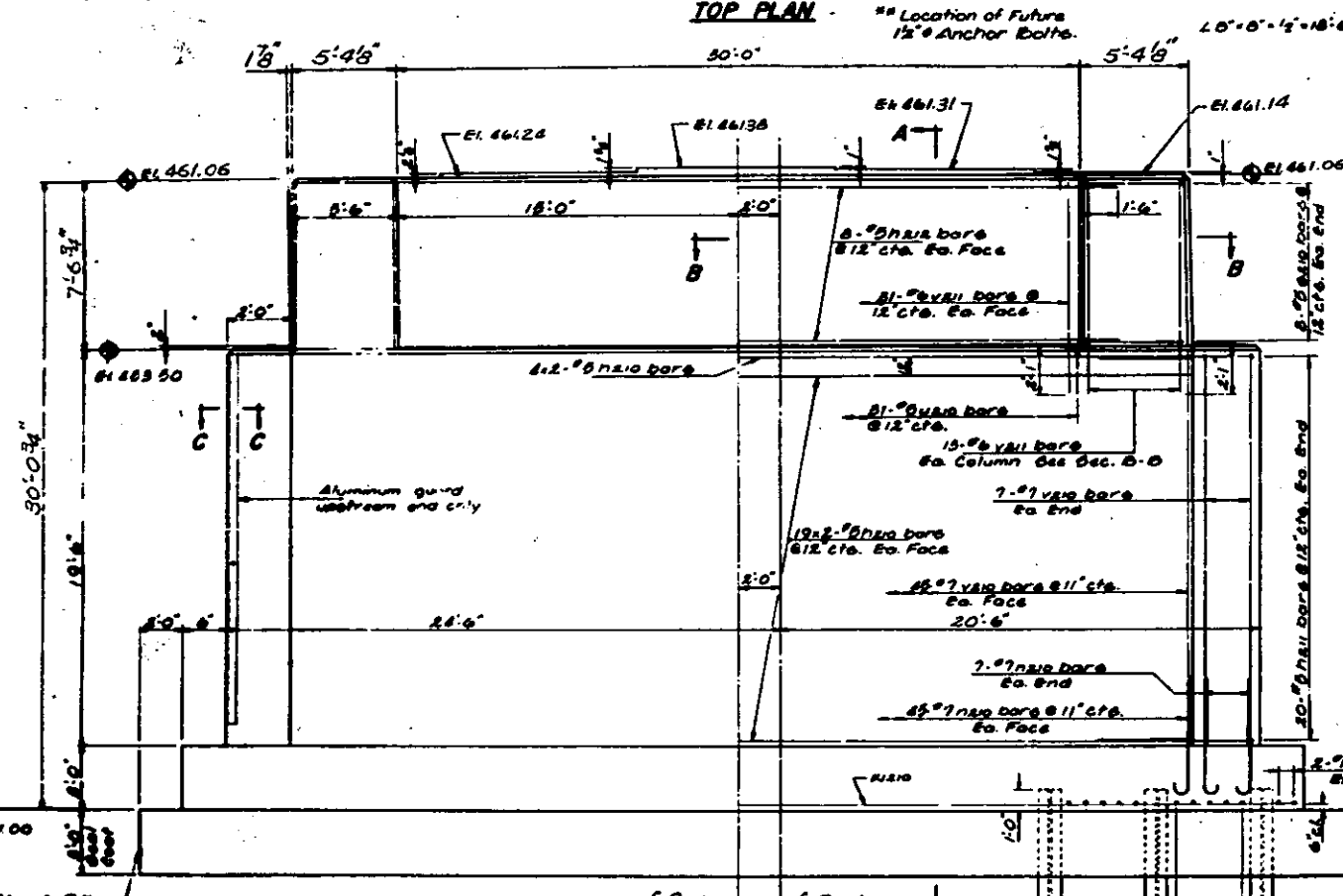
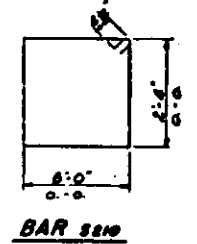
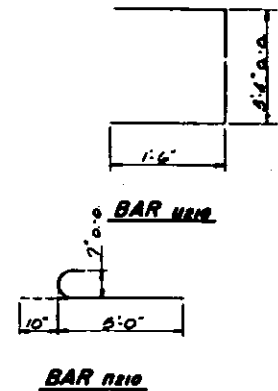
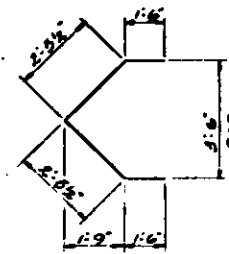
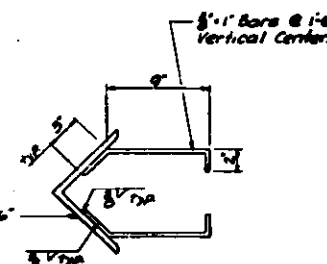
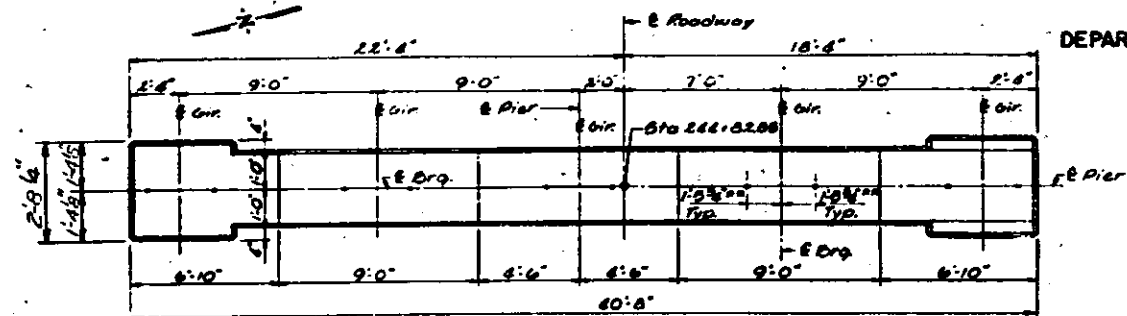
CRAN
O.C.B.
D.A.B.
CRAN

HANSON
ENGINEERS
INCORPORATED

MOON
12-31-74

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

FA 51	NO. 1	PIER 21	NO. 1	NO. 1
10-10-10-10	10-10-10-10	10-10-10-10	10-10-10-10	10-10-10-10

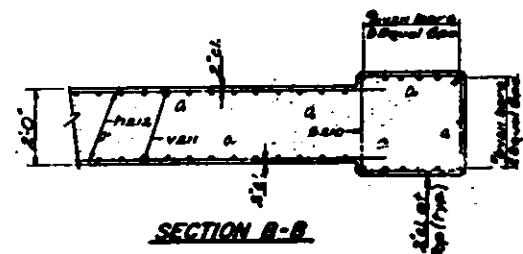
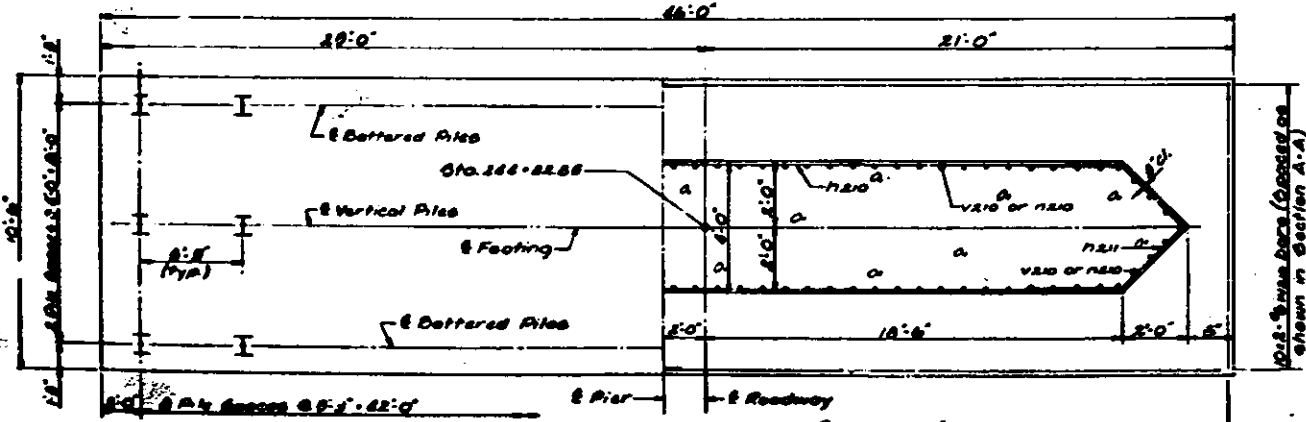


PILE DATA

Type	HP 12-00
Capacity	Refusal
Est. Length	66'
No. Required	27*
*Include one test pile driven in a permanent location	

PIER 21
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
H21	84	#8	21'-8"	
H21	20	#8	7'-11"	C
H21	16	#8	22'-0"	
H21	104	#7	6'-10"	C
H21	16	#8	18'-8"	D
H21	14	#11	10'-0"	
H21	31	#8	6'-6"	C
H21	104	#7	19'-8"	
H21	20	#8	9'-6"	
H21	20	#8	22'-6"	
Concrete				
Class A Concrete	Cu. Yds.	120.1		
Reinforcement Bars	Lbs.	12,850		
Best Cost Concrete	Cu. Yds.	94.1		
Best Pile HP 12-00	Lin. Ft.	18.6		
Test Pile HP 12-00	Each	1		
Collarform Excavation	Cu. Yds.	31.0		
Collarform	Each	1		

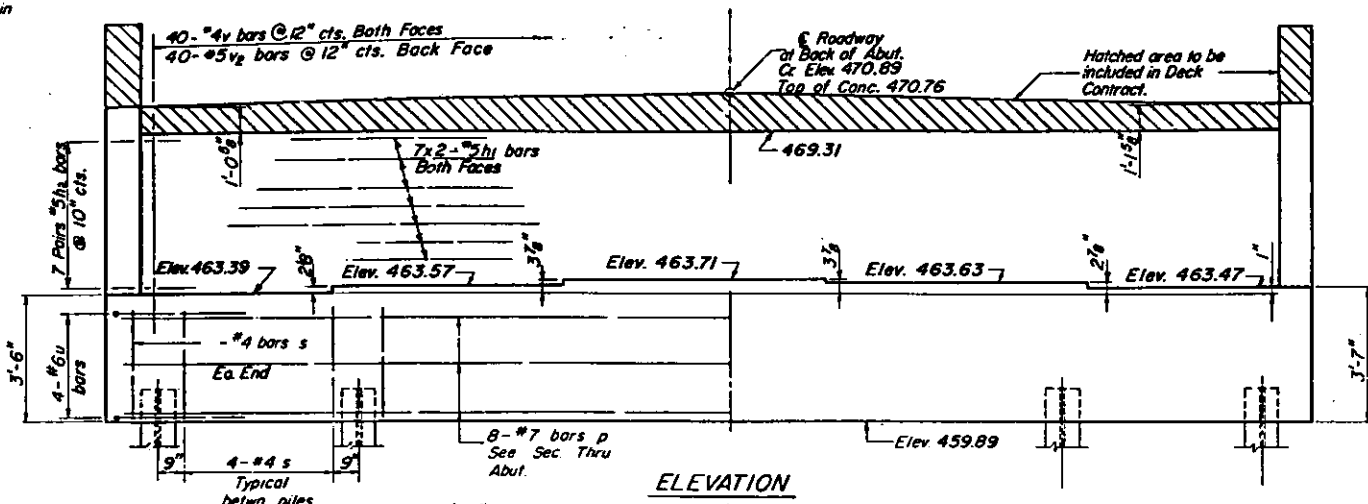
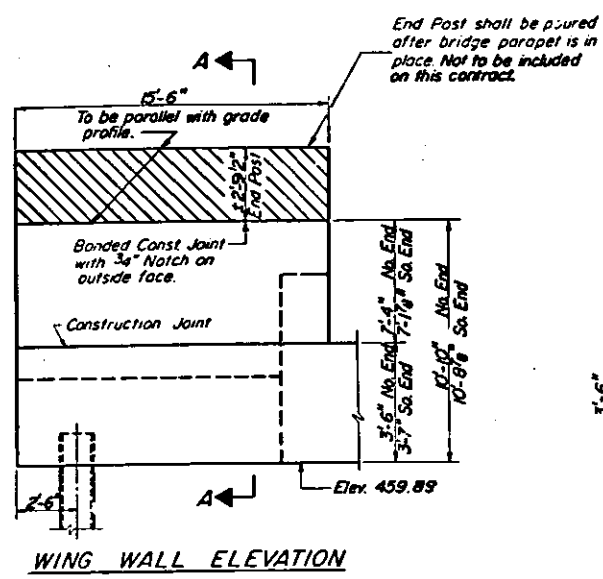


AS REVISED

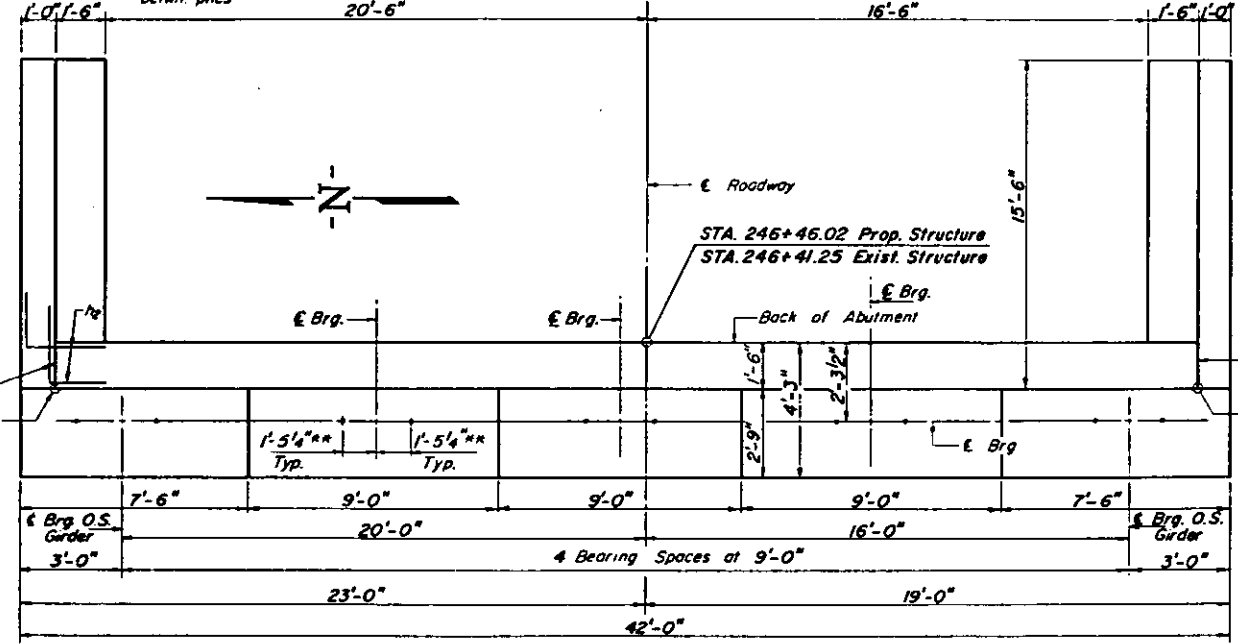
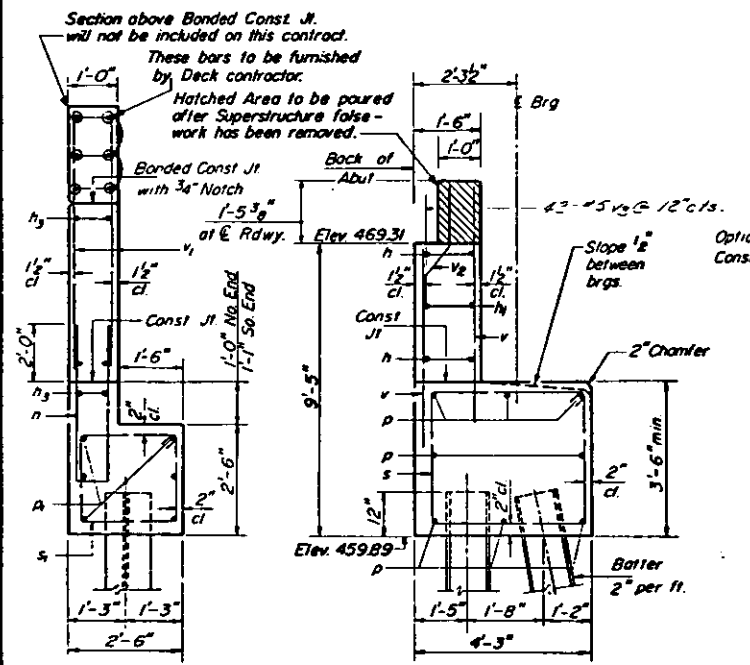
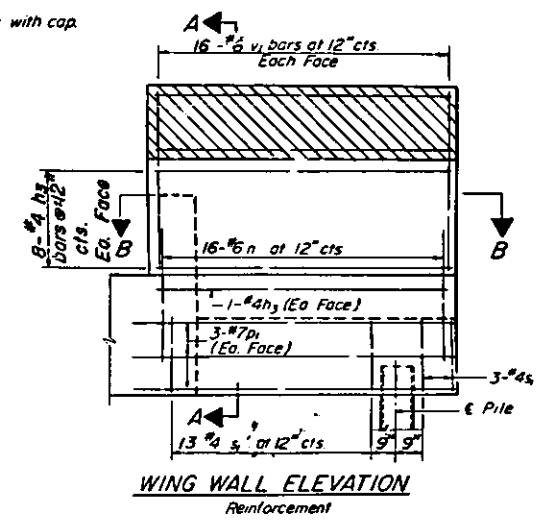
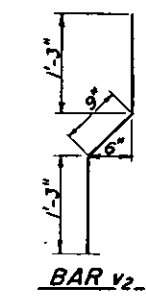
PIER 21
M^o CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
E.A. ROUTE 31 SEC. 18-1
PEORIA & TAZEWELL COUNTIES

Q.L.S.	7400'
C.R.N.	12-81-76
O.A.S.	
D.L.S.	

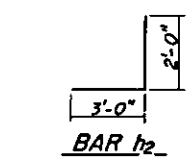
PROJECT NO.	SECTION	COUNTY	DATE	BY
31	15B-1	Peoria & Tazewell	28	17



Pour steps monolithically with cap.



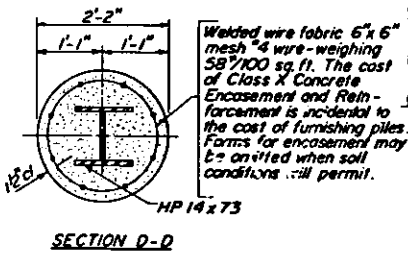
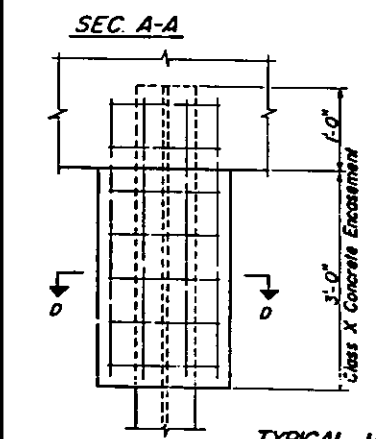
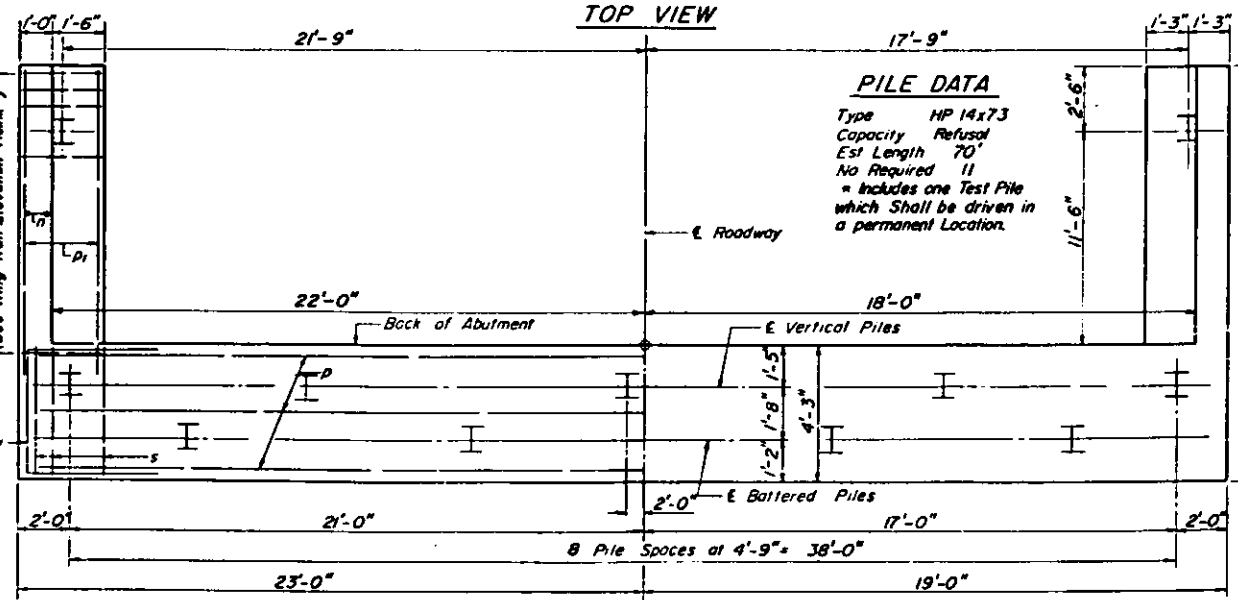
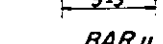
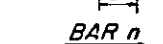
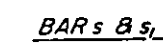
**Location of Future 1/2" Anchor Bolts.



SEC. B-B

EAST ABUTMENT BILL OF MATERIAL

Bar	No	Size	Length	Shape
h1	28	#5	2'-0"	—
h2	28	#5	5'-0"	—
h3	36	#4	15'-0"	—
n	32	#6	9'-3"	—
p	8	#7	4'-6"	—
p	12	#7	16'-0"	—
s	36	#4	14'-11"	—
s1	26	#4	9'-5"	—
u	8	#6	14'-4"	—
v	80	#4	8'-9"	—
v	64	#6	9'-9"	—
v	40	#4	3'-3"	—
Class X Concrete			Cu. Yds.	52.9
Reinforcement Bars			Lbs.	4960
Steel Piles			Lim. Ft.	700
Test Piles			Ea.	1



EAST ABUTMENT

M^C CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15B-1
PEORIA & TAZEWELL COUNTIES

DESIGNED: DLB
CHECKED: CRN
DRAWN: RJF
CHECKED: CRN
DATE: 12-31-74

HANSON ENGINEERS
INCORPORATED
SPRINGFIELD, ILLINOIS

FILE NO: 74001

See Part B for details of 15B-1, 7-31-75 D.T.

Rev. Reinf. Bars from 4910 to 4960 9-29-75 D.D.

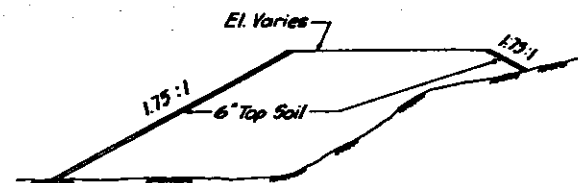
Rev. 7-31-75

PROJECT NO.	REV.	DATE	BY	CHK.
FA 31 15B-1		PEORIA AND TAZEWELL	28	18
PEORIA & TAZEWELL COUNTIES				

Note: Class II Seeding shall be applied to all areas which receive Top Soil.
Mulch Method 3 shall be used on all Class II Seeded areas.

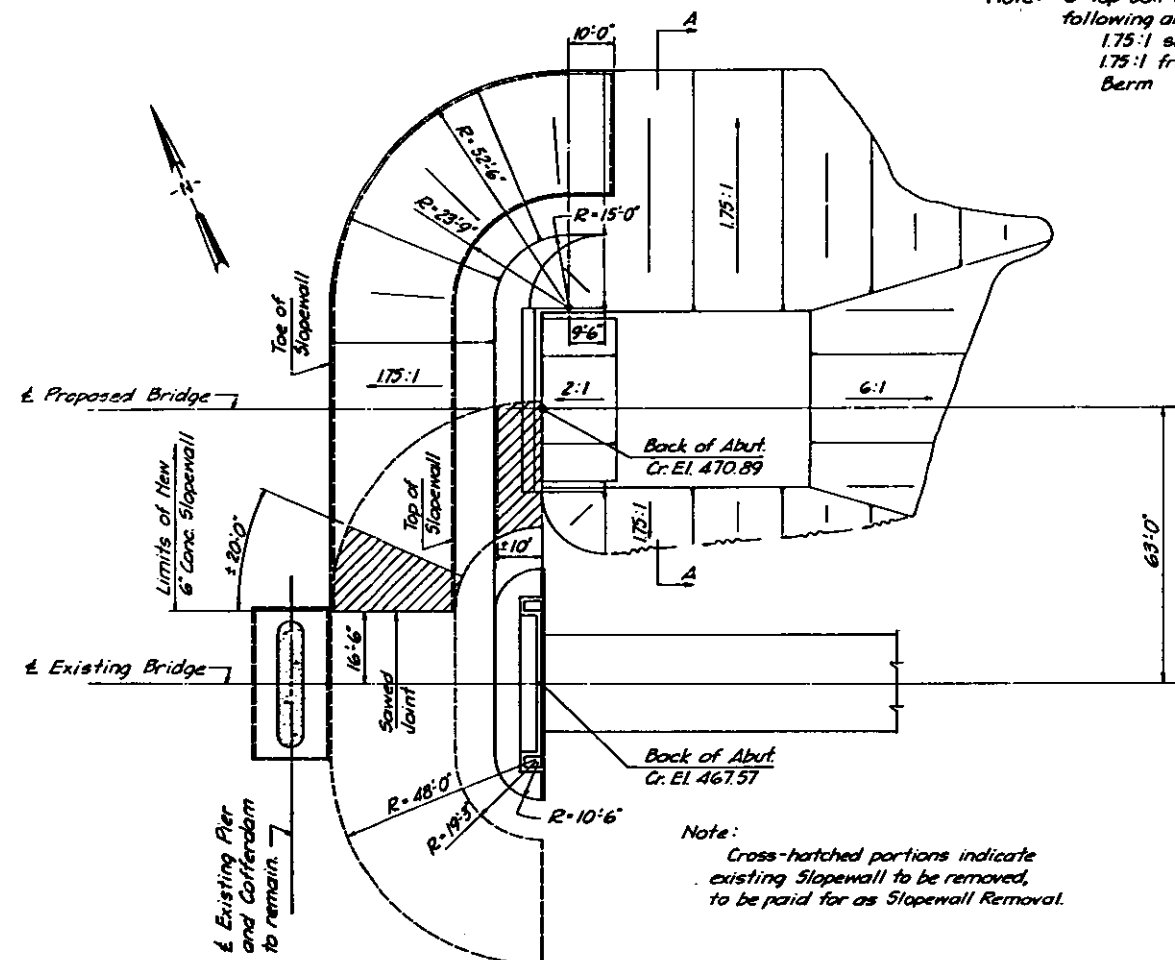
Note: Fertilizer Nutrients to be used as follows.

Type	Class II Seeding
Nitrogen	120 lbs./acre
Phosphorous	72 lbs./acre
Potassium	48 lbs./acre

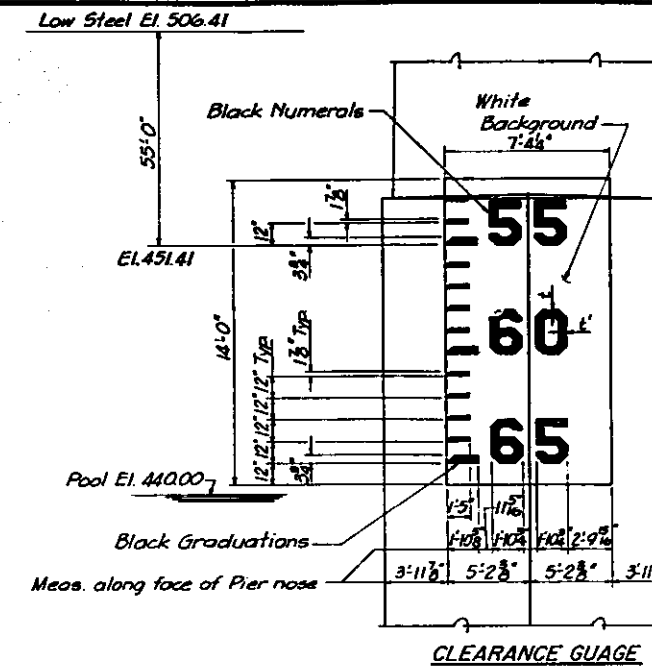


SECTION A-A

Note: 6" Top Soil shall be provided on the following areas.
1.75:1 side slopes
1.75:1 front slope above slope wall
Berm



PLAN

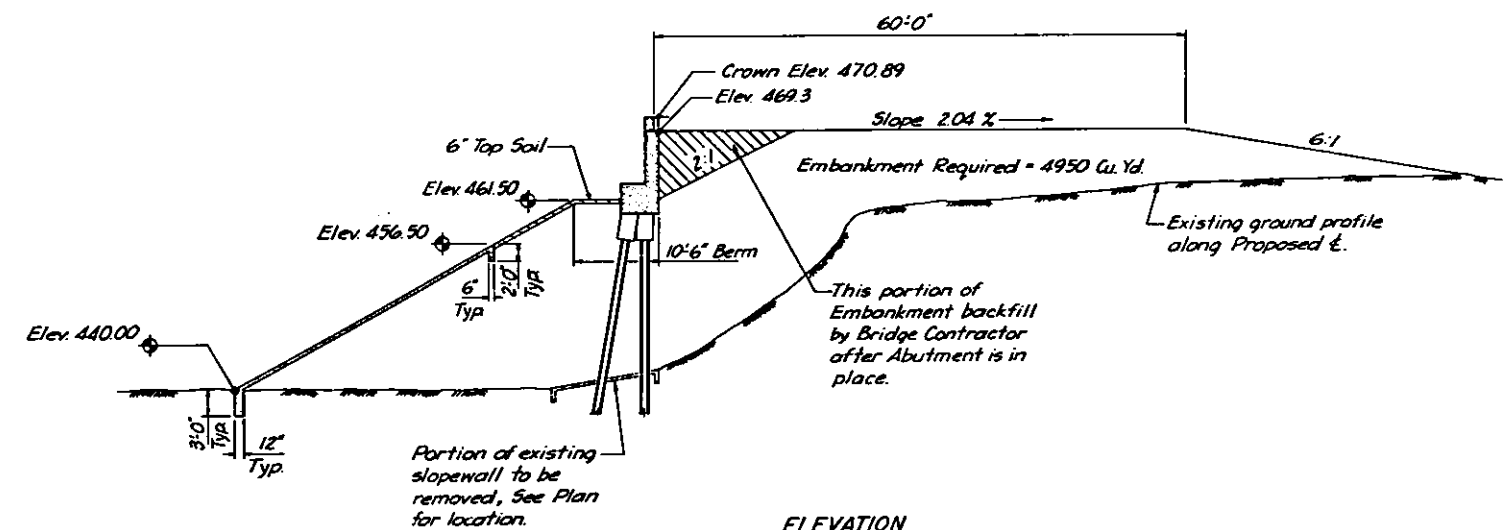


Note: Location - Pier II on Upstream Face.
For painting see Special Provisions - Cost Incidental.

Numerals shall conform to the 24" Series D standard numerals as set forth in the Coast Guard publication "Bridge Clearance Gauges". The size, type and spacing of the numerals shall conform to the publication "Standard Alphabets for Highway Signs", Bureau of Public Roads, Department of Transportation.

t = 3 3/4"

t' = 5 1/2"



ELEVATION

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Embankment	Cu. Yd.	4950.0
Slopewall Removal	Sq. Yd.	895
Slopewall 6 inch	Sq. Yd.	603.8
Top Soil Placement 6"	Sq. Yd.	811
Seeding Class II	Acre	0.2
Nitrogen Fert. Nutr.	Lbs.	24
Phosphorous Fert. Nutr.	Lbs.	14.4
Potassium Fert. Nutr.	Lbs.	9.6
Mulch Method 3	Ton	1

CLEARANCE GAUGE AND SLOPEWALL EAST ABUTMENT

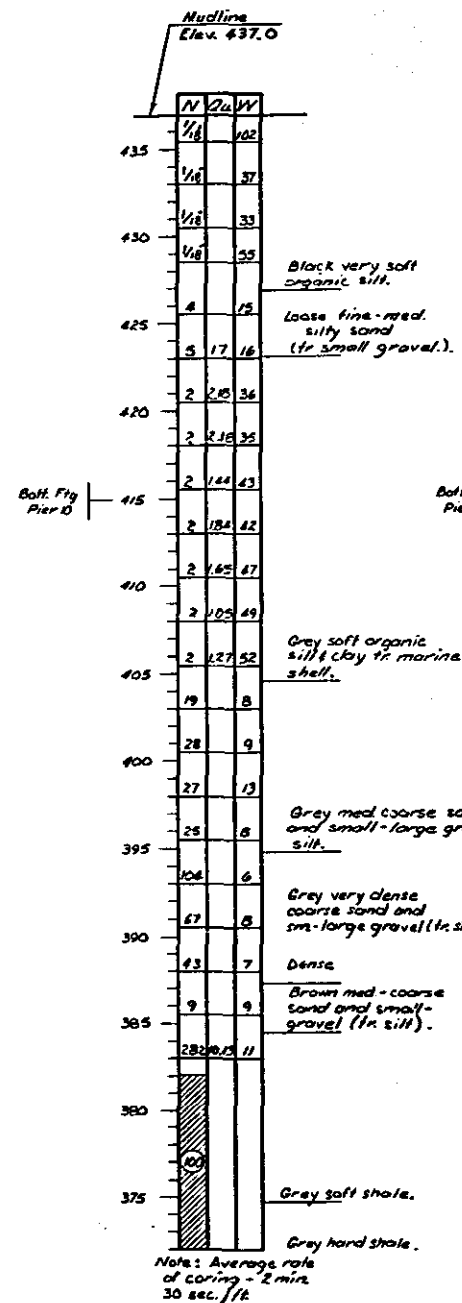
M^C CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15B-1
PEORIA & TAZEWELL COUNTIES

CRN	DLB	RAH	CRN
HANSON ENGINEERS INCORPORATED			
SPRINGFIELD, ILLINOIS			PEORIA, ILLINOIS
74001			5-15-75

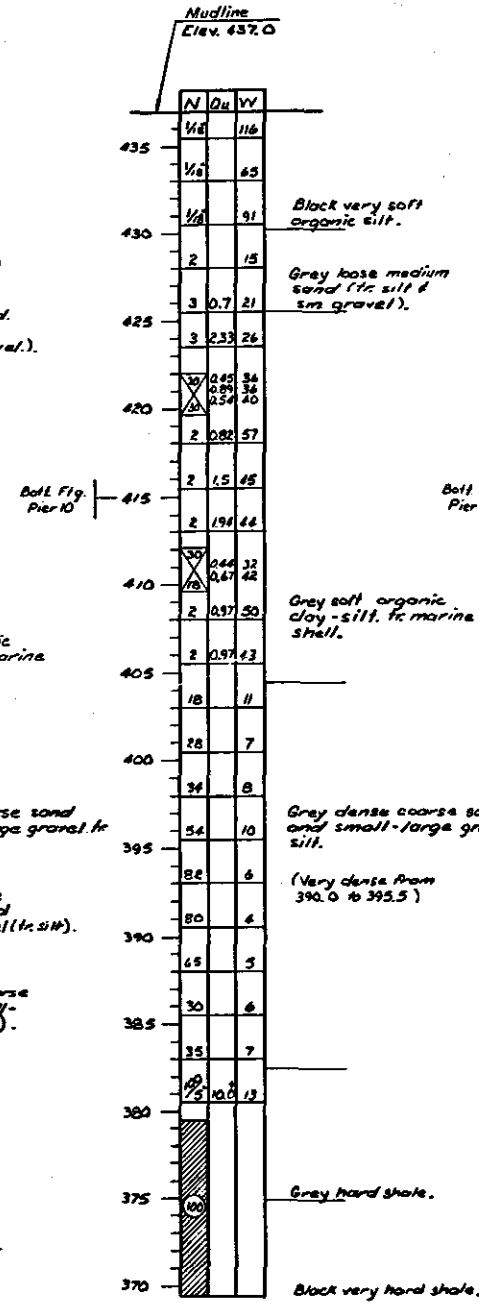
REVISED 8-25-75

BORING DATA

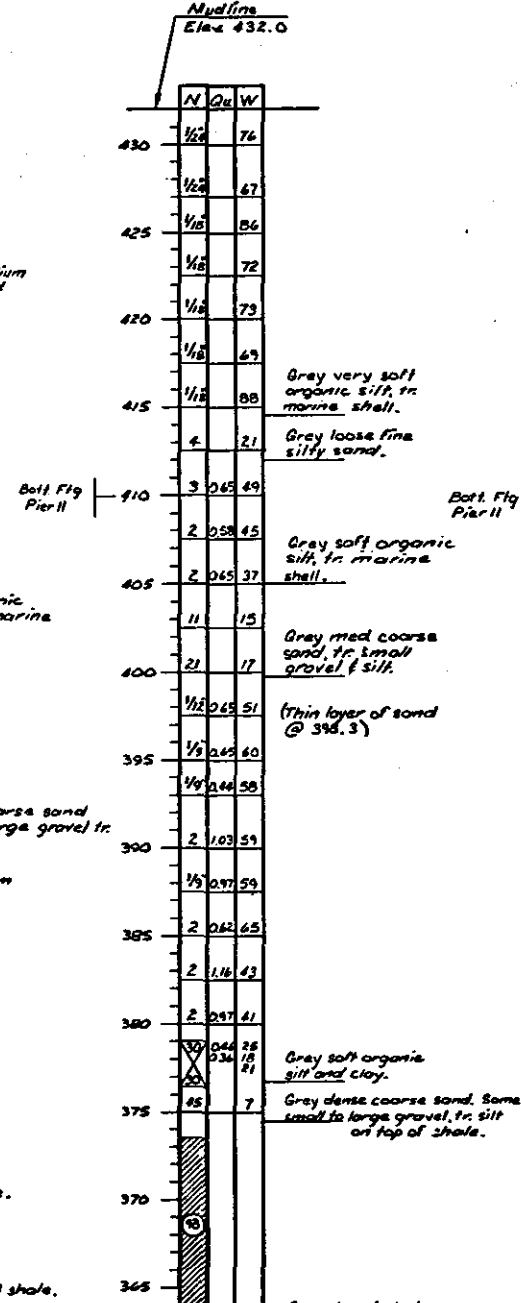
BORING #10A



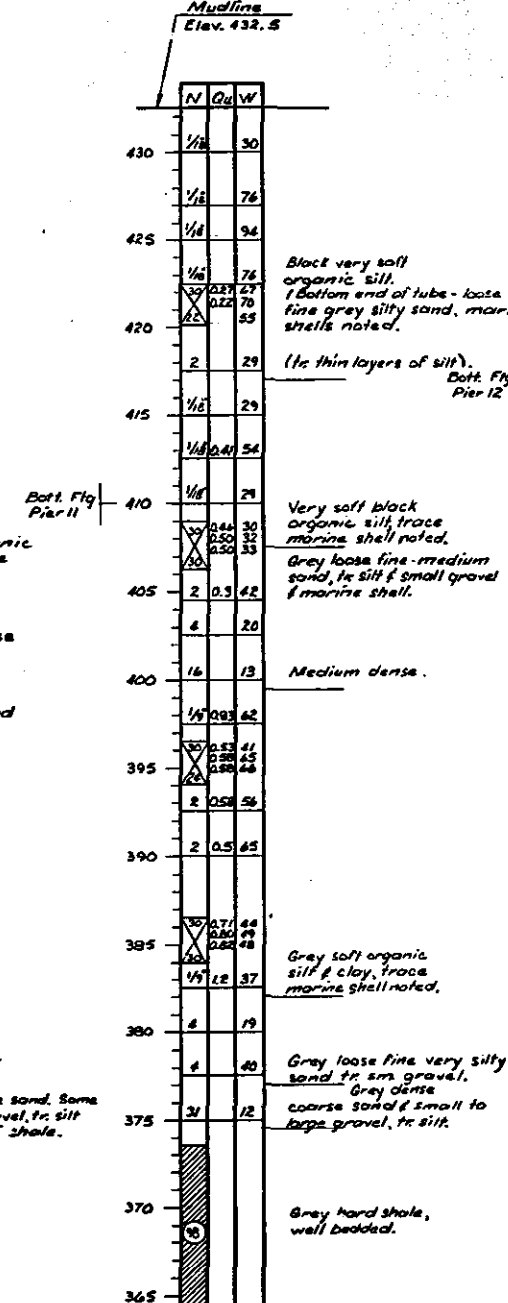
BORING #10B



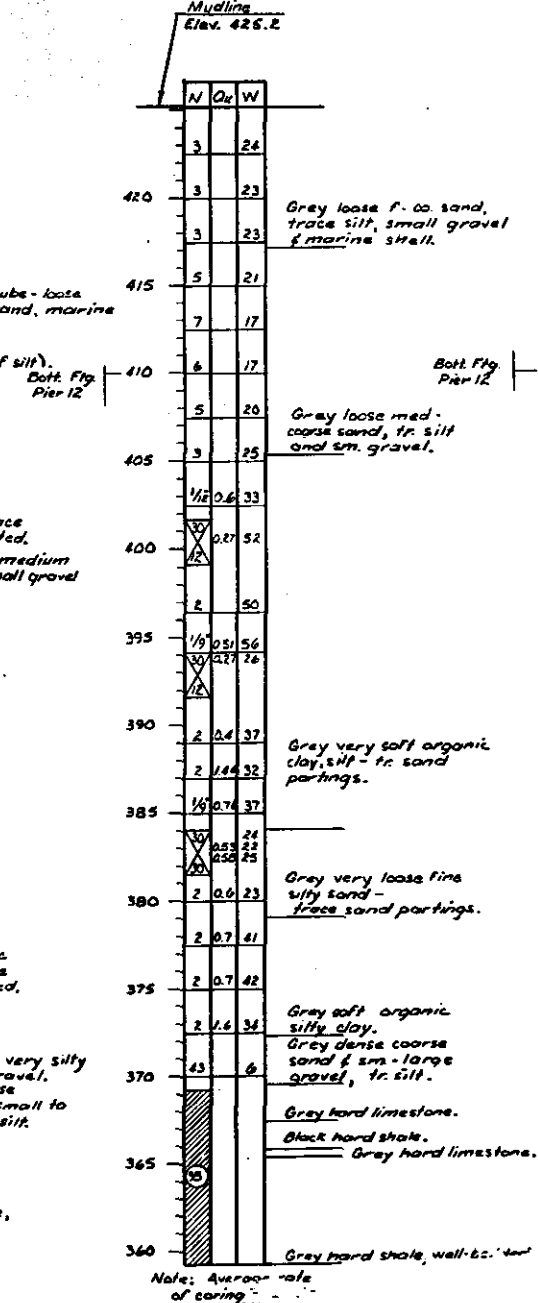
BORING #11A



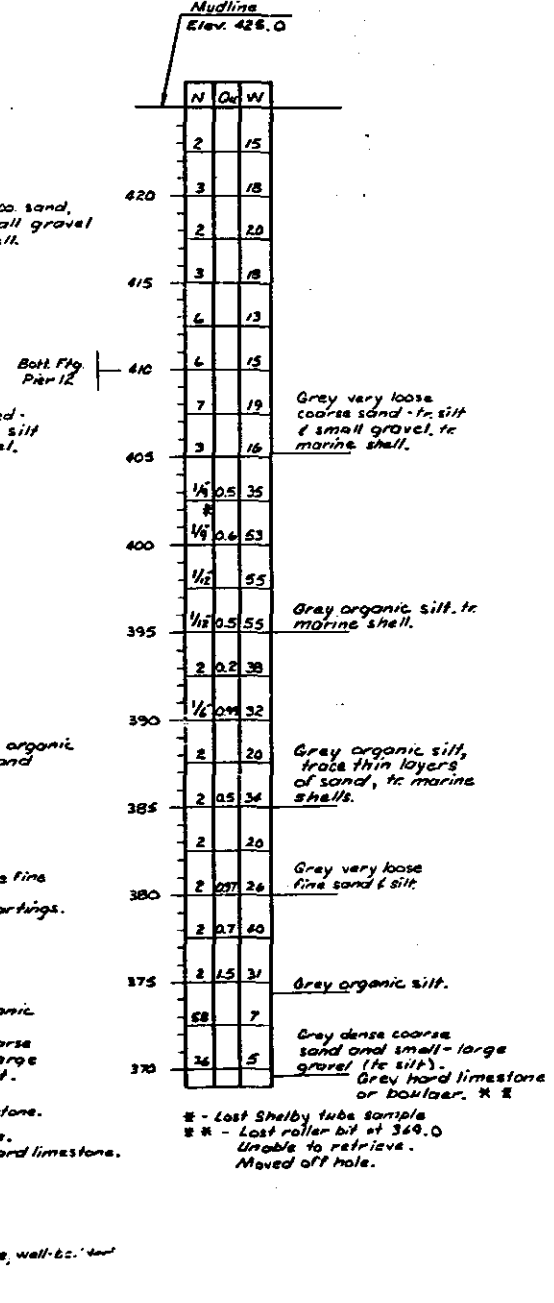
BORING #11B



BORING #12A



BORING #12B



LEGEND:

Indicates Shelby Tube



Indicates Rock Core



A - amount of penetration (in inches).
B - amount recovered (in inches).
C - percent of core recovered.

BORING DATA

M'CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES

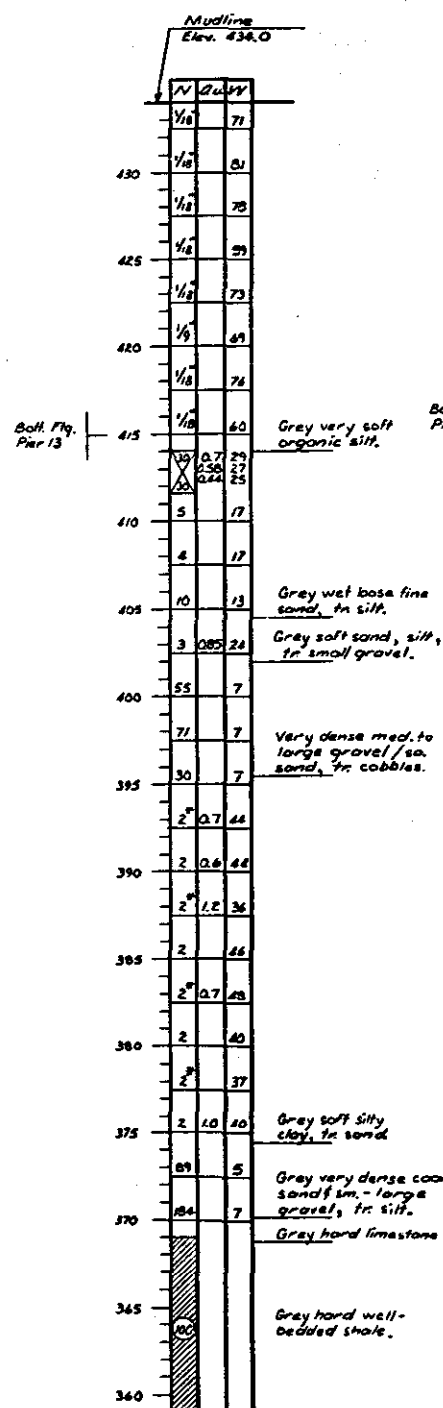


74001
12-31-74

BORING DATA

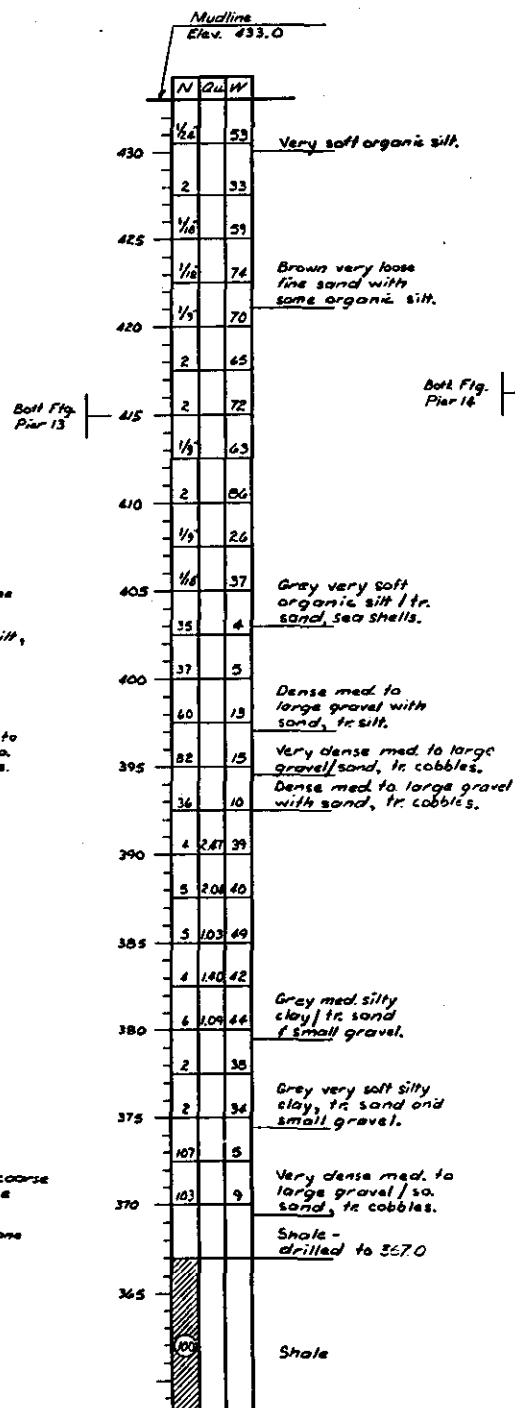
DATE	NO.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 31	15B-1	PEORIA & TAZEWELL	28	22
FILE NO.	15B-1	PROJECT		

BORING #13A



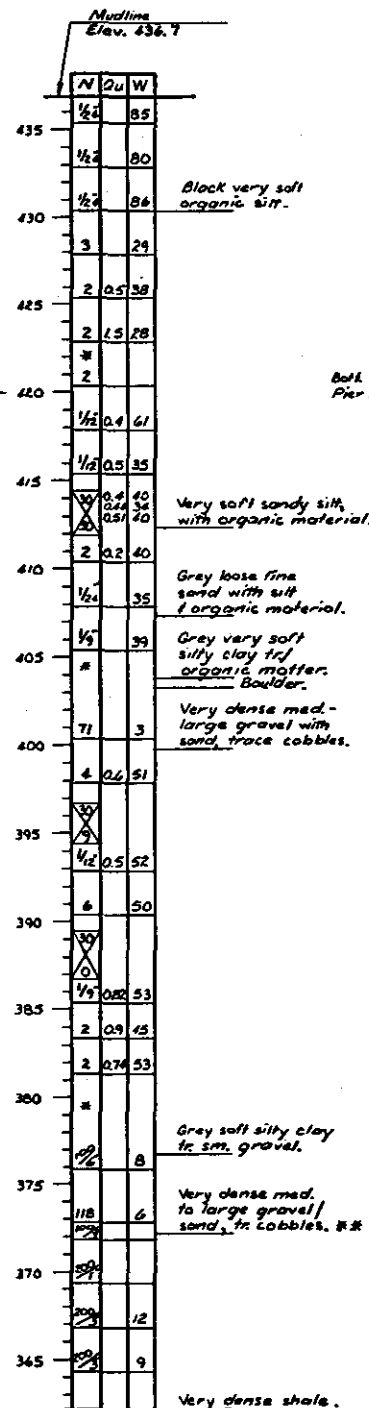
* Indicates lost Shelby tube sample.
Note: Average rate of coring - 3 min. 25 sec./ft.

BORING #13B



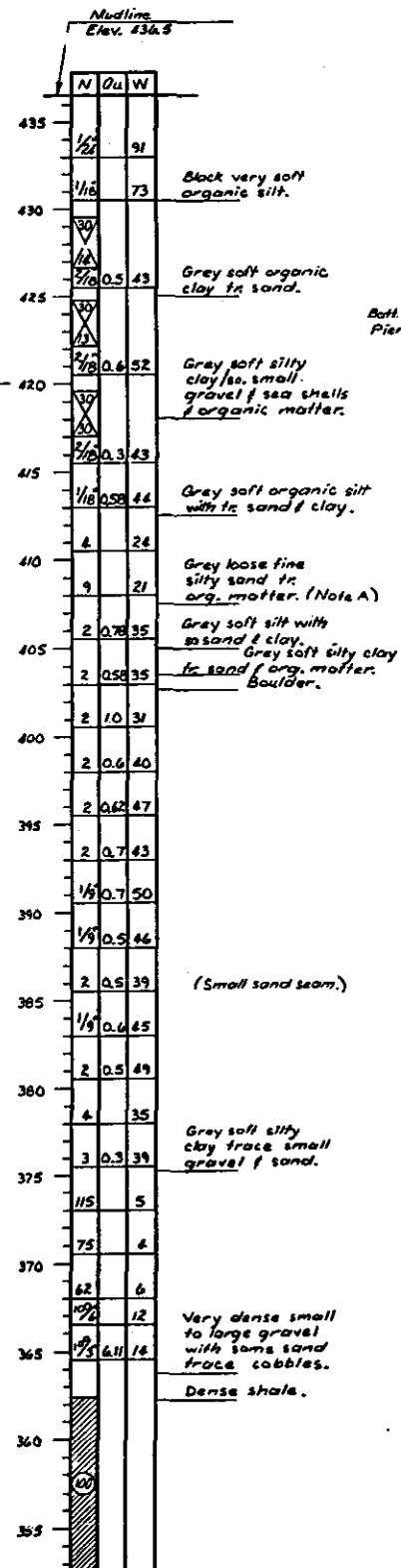
Note: Average rate of coring - 2 min. 30 sec./ft.

BORING #14



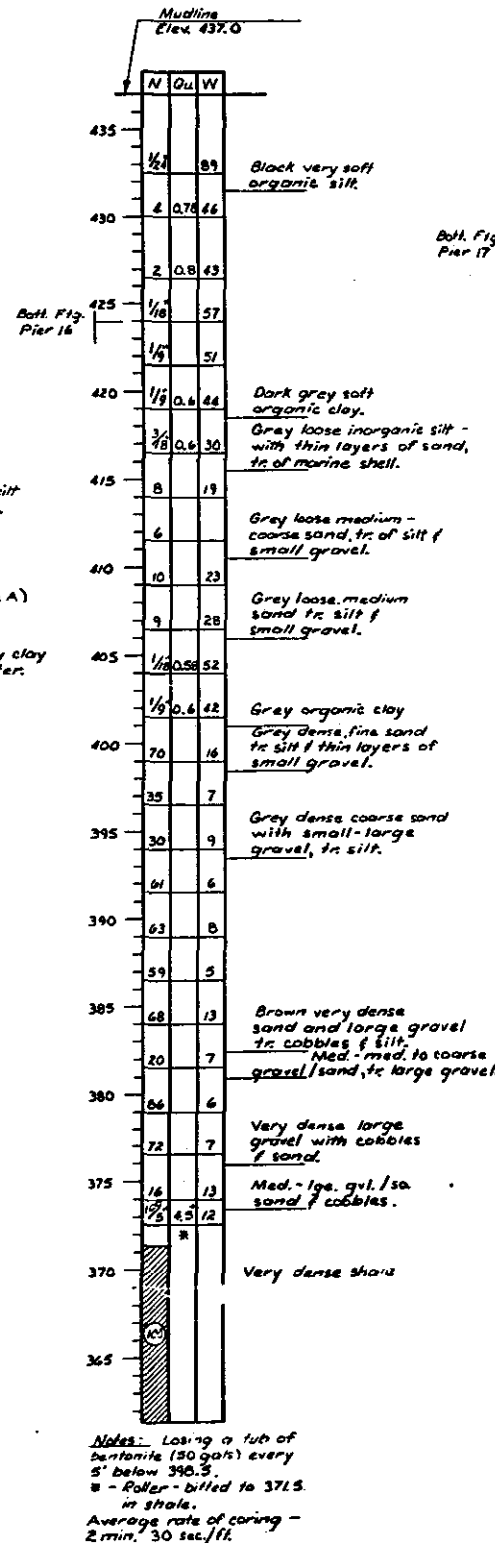
* Indicates lost Shelby tube sample.
** - Very hard 3" cobble at 375.2. Took 1/2 hr to drill through.

BORING #15



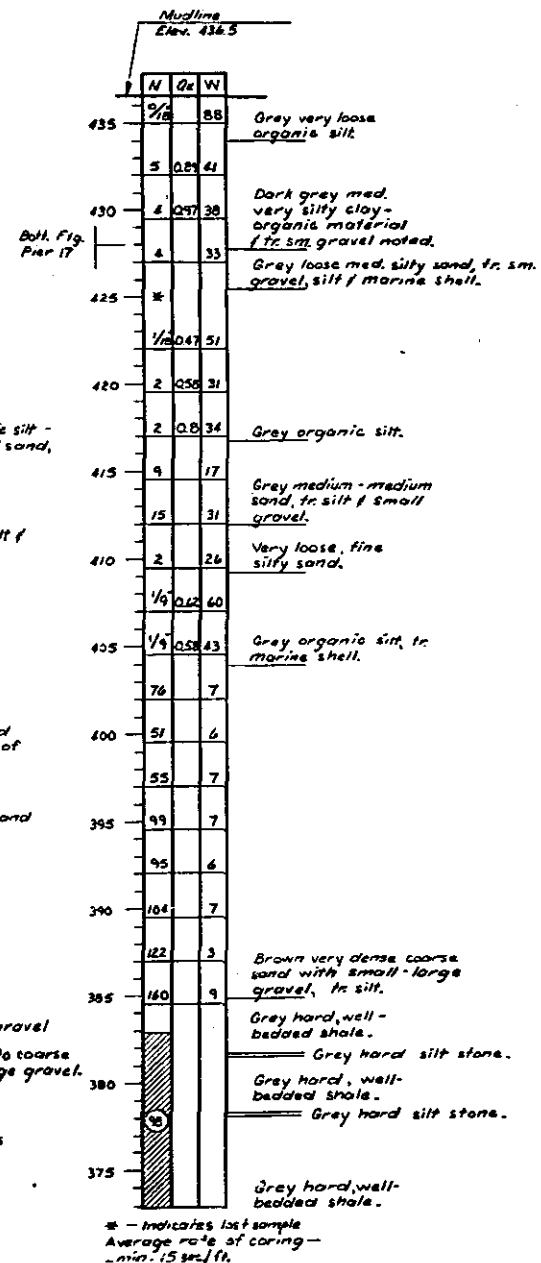
Note A: Lost return water while drilling from 412.0 to 409.5. Average rate of coring - 2 min. 40 sec./ft.

BORING #16



Notes: Losing a tub of bentonite (30 gals) every 5' below 390.5.
* - Roller - drilled to 371.5 in shale.
Average rate of coring - 2 min. 30 sec./ft.

BORING #17



* - Indicates lost sample.
Average rate of coring - 1 min. 15 sec./ft.

LEGEND:

Indicates Shelby Tube



Indicates Rock Core



A - amount of penetration (in inches).
B - amount recovered (in inches).
C - percent of core recovered.

BORING DATA

MC CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES



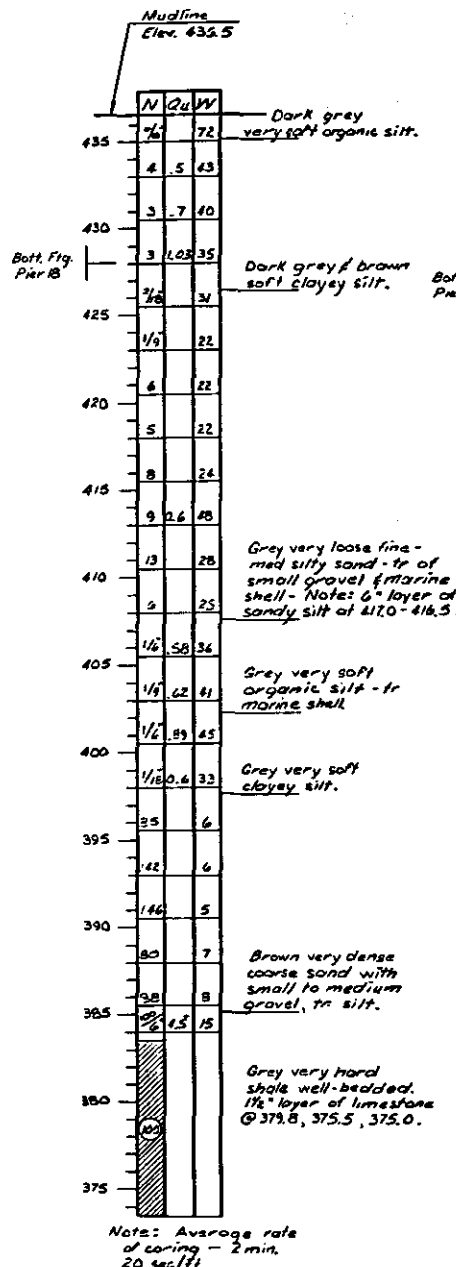
DESIGNED
CHECKED
DRAWN
DATE

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

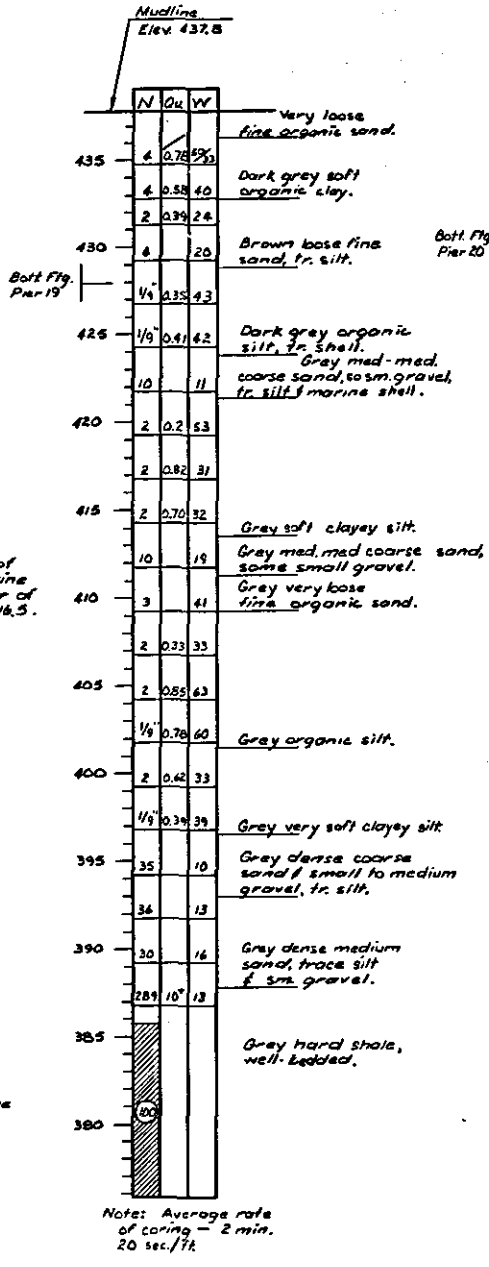
FILE NO.
DATE
12-31-74

BORING DATA

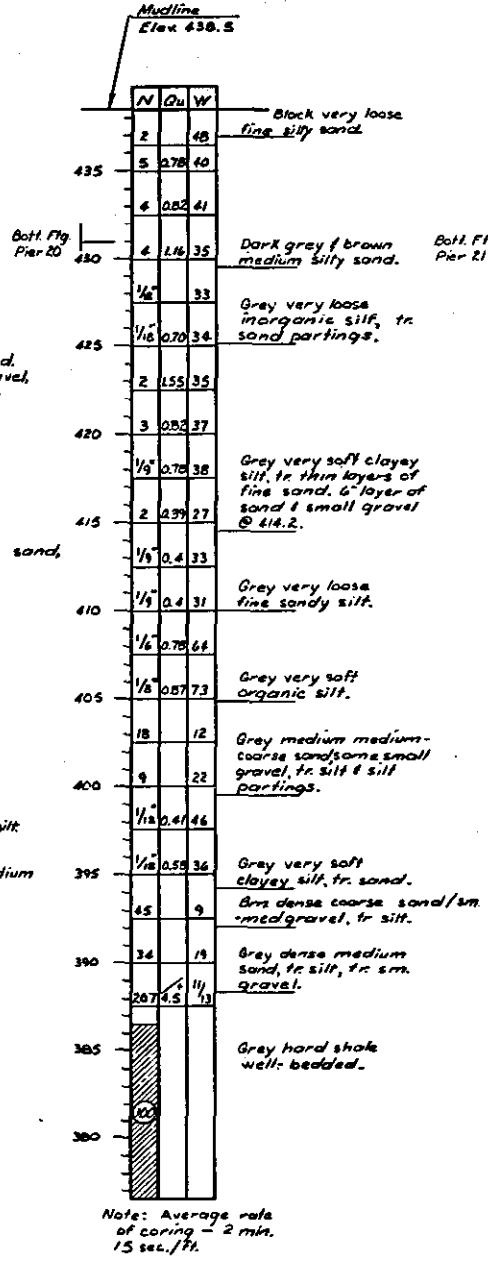
BORING #18



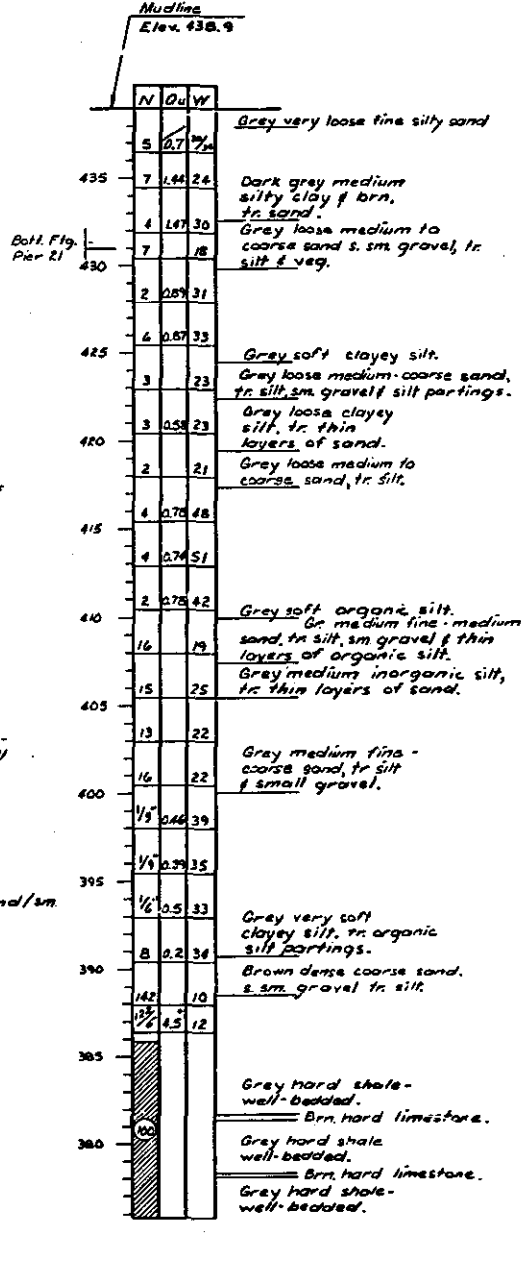
BORING #19



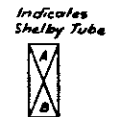
BORING #20



BORING #21



LEGEND:



A - amount of penetration (in inches).
B - amount recovered (in inches).
C - percent of core recovered.

BORING DATA

**McCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES**



DESIGNED
CHECKED
DRAWN
CREATED

R.J.F.

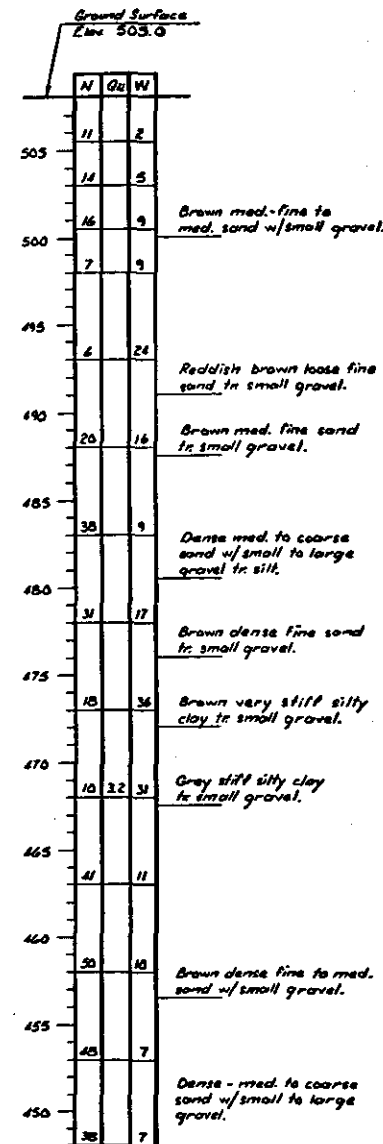
G.F.J.

74001
DATE
12-31-74

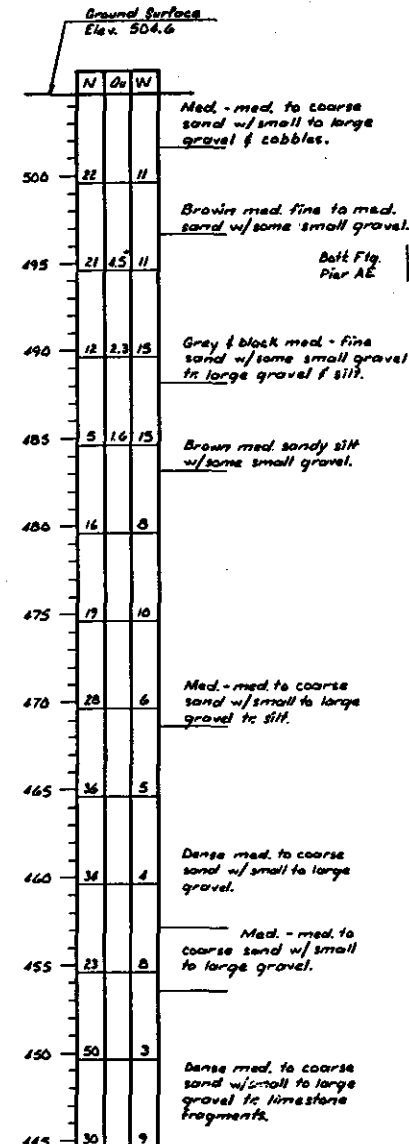
BORING DATA

DATE	NO.	COUNTY	TOTAL	SHEET
FA. 31 1984	15B-1	Peoria & Tazewell	28	24
PEORIA ROAD DIST. NO. 7		ILLINOIS		

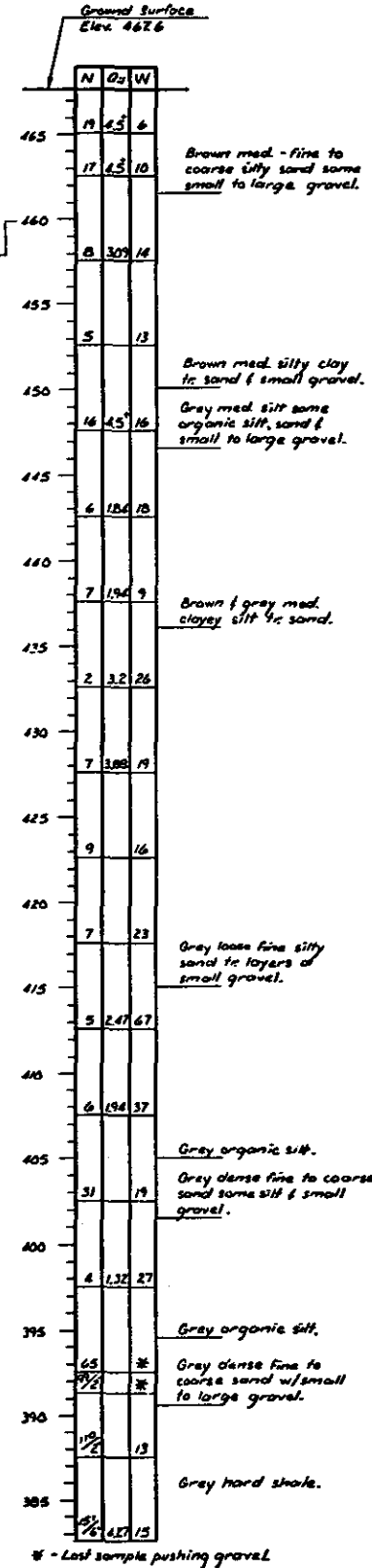
BORING #AD5



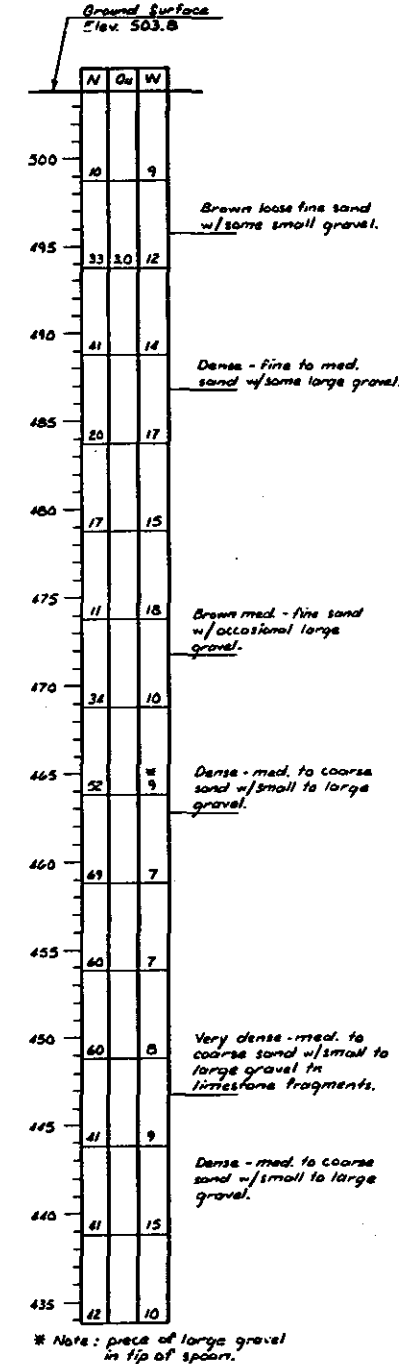
BORING #AD6



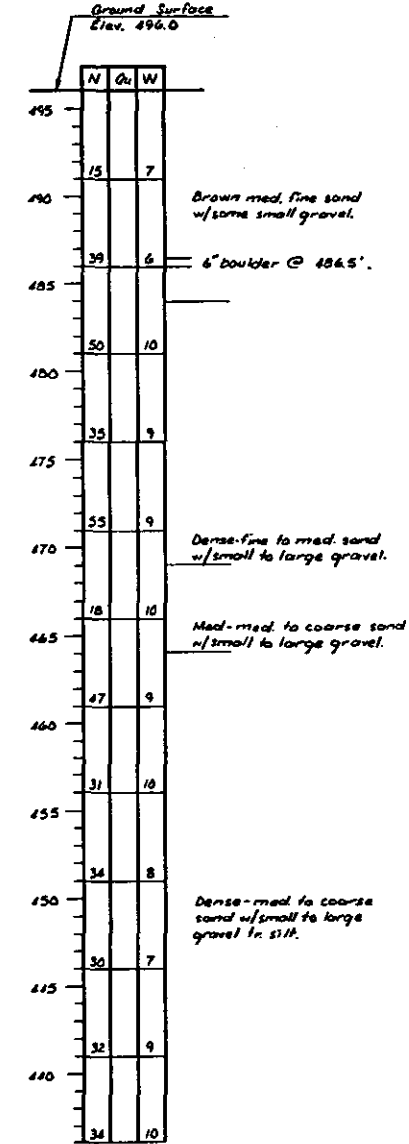
BORING #AE



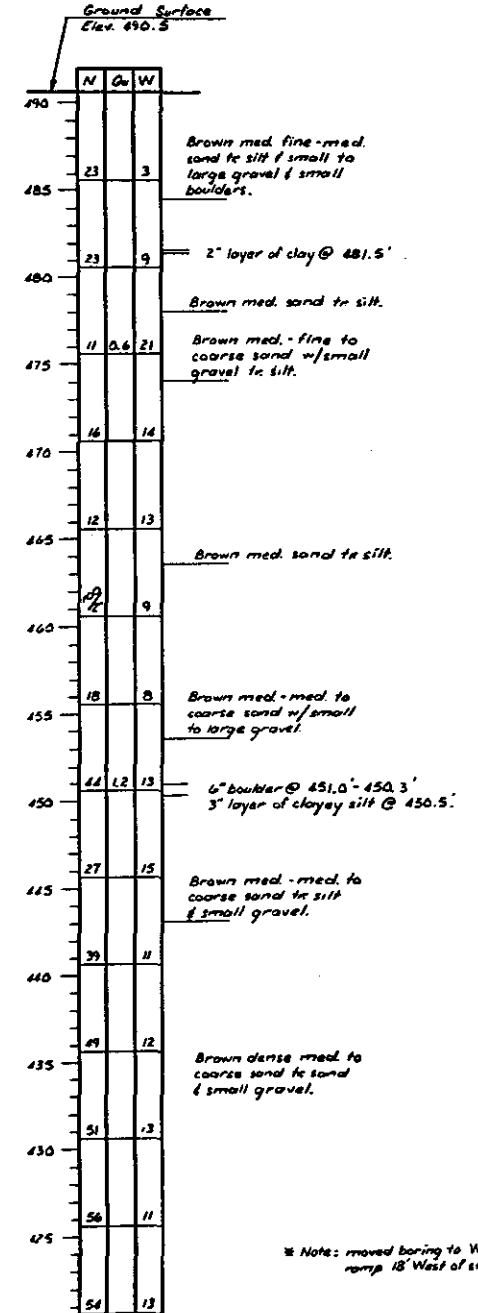
BORING #AW



BORING #EA



BORING #FA



LEGEND:



A - amount of penetration (in inches).
B - amount recovered (in inches).
C - percent of core recovered.

BORING DATA

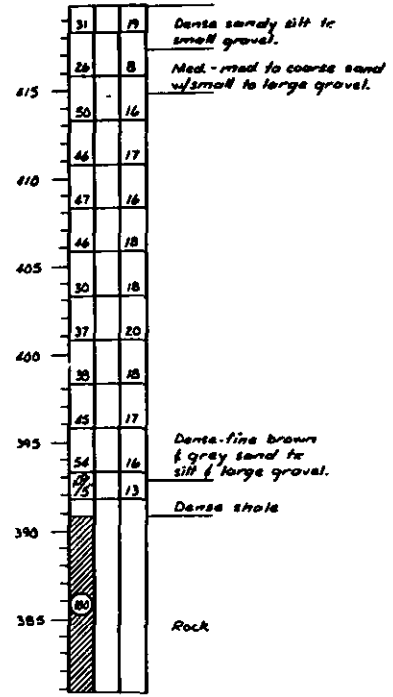
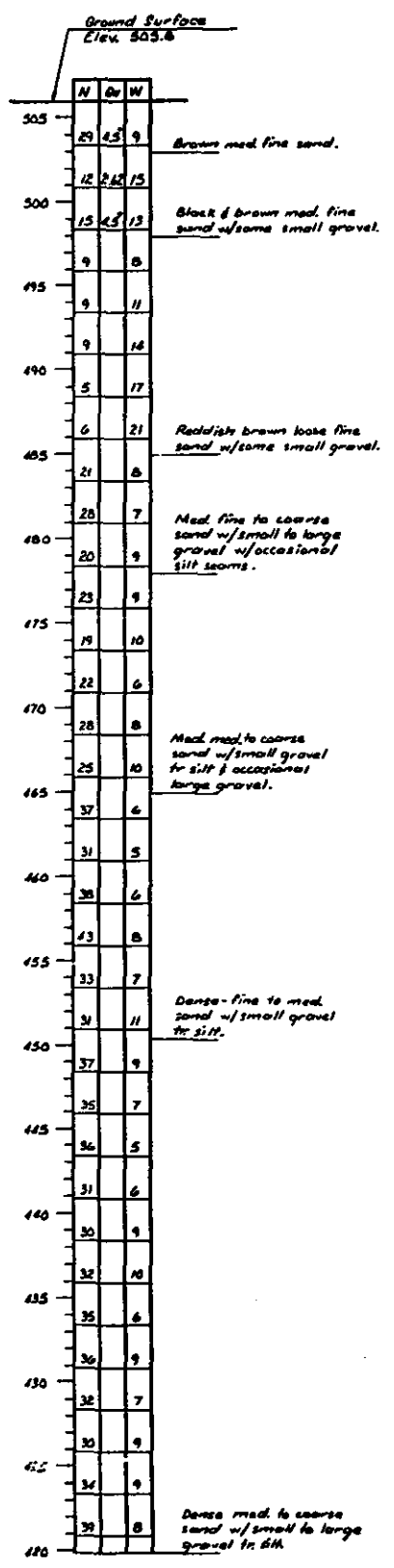
M^c CLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15B-1
PEORIA & TAZEWELL COUNTIES

DESIGNED	BY	DATE
CHECKED	RJR	12-31-78
APPROVED	OF U.	



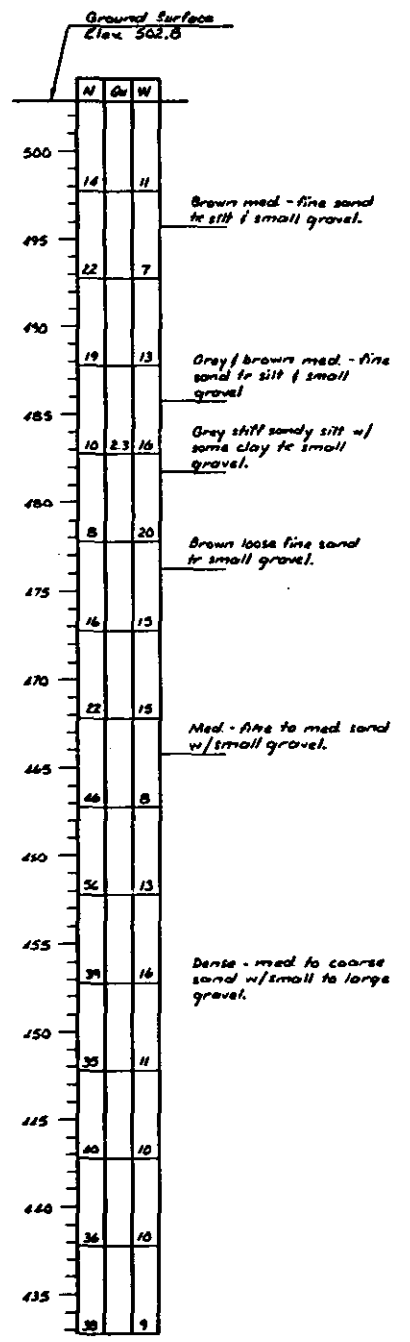
FILE NO.	78001
DATE	12-31-78

BORING "AD1"



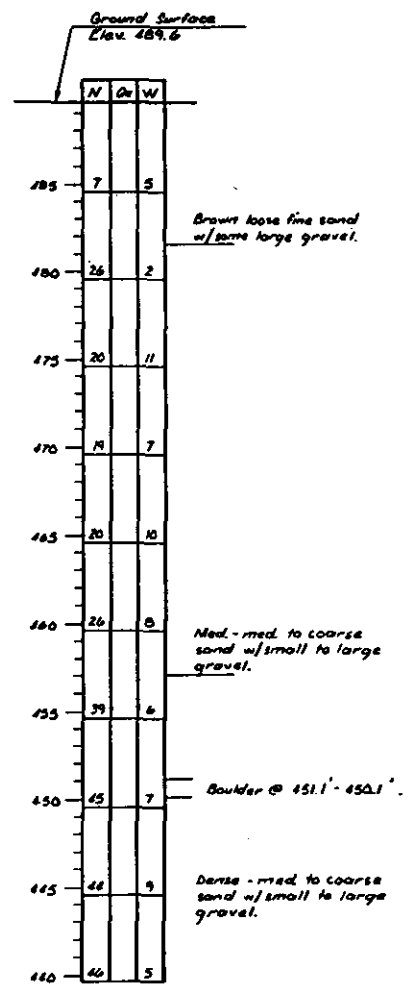
BORING DATA

BORING "AD2"

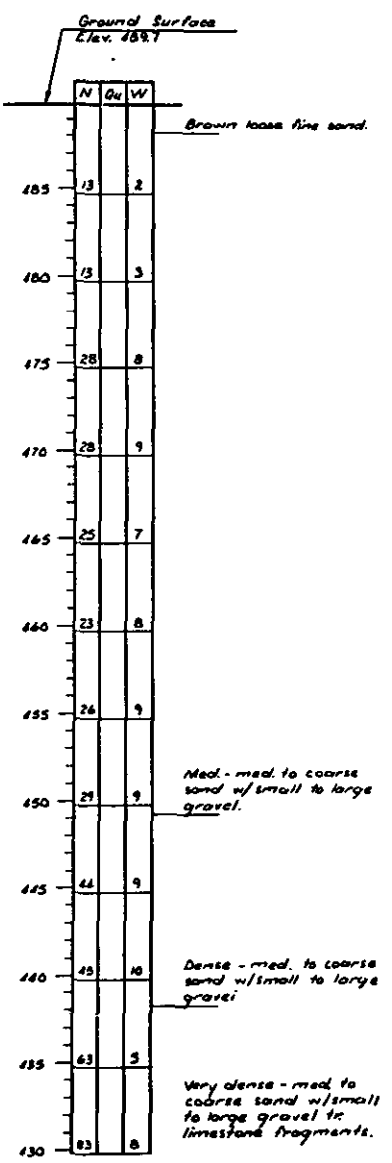


Note: installed piezometer @ 434.3'; flushed with clear water & postbreak & packed with clean sand to 472.8'.

BORING "AD3"



BORING "AD4"



LEGEND:



A - amount of penetration (in inches).
B - amount recovered (in inches).
C - percent of core recovered.

BORING DATA

McCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES



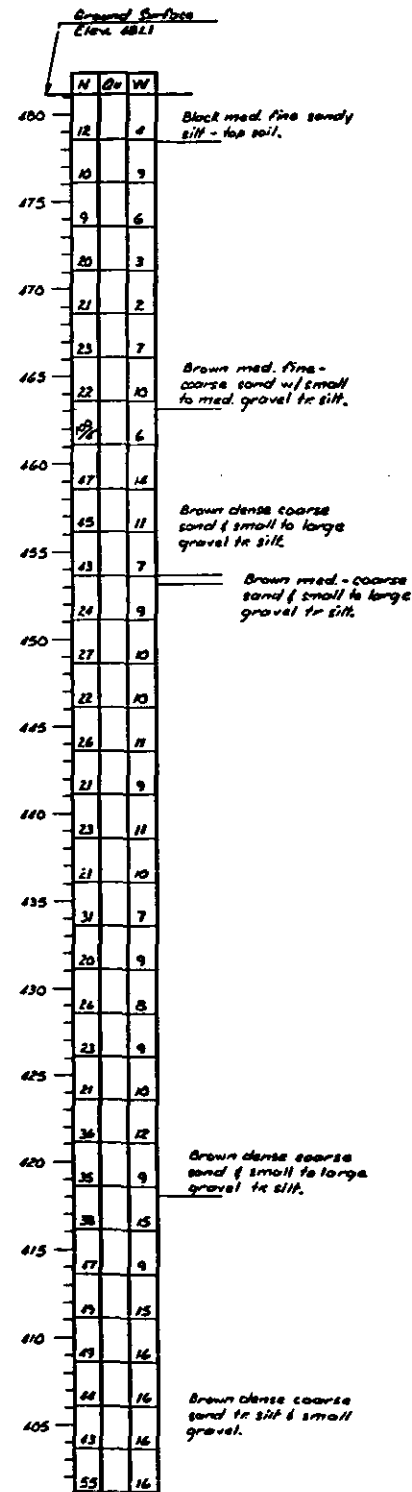
DESIGNED BY
CHECKED BY
DATE

FILE NO.
74001
DATE
12-31-74

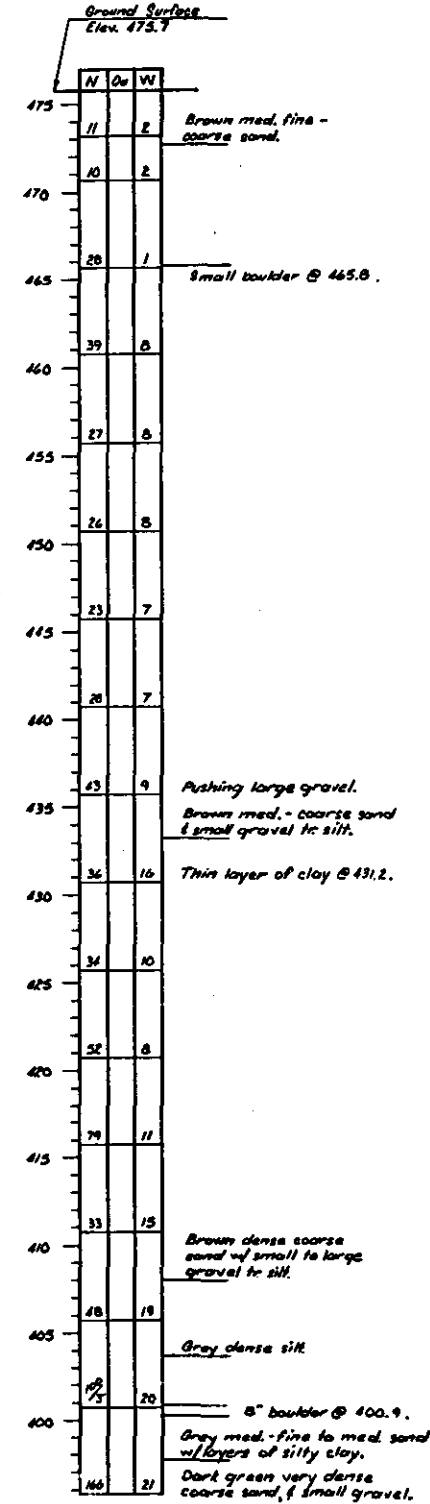
BORING DATA

PROJECT NO.	SHEET	COUNTY	TOTAL SHEETS	DATE
F.A. 31	10B-1	Peoria & Tazewell	28	26
FILE SHEET NO. 7	ILLINOIS	POLICY		

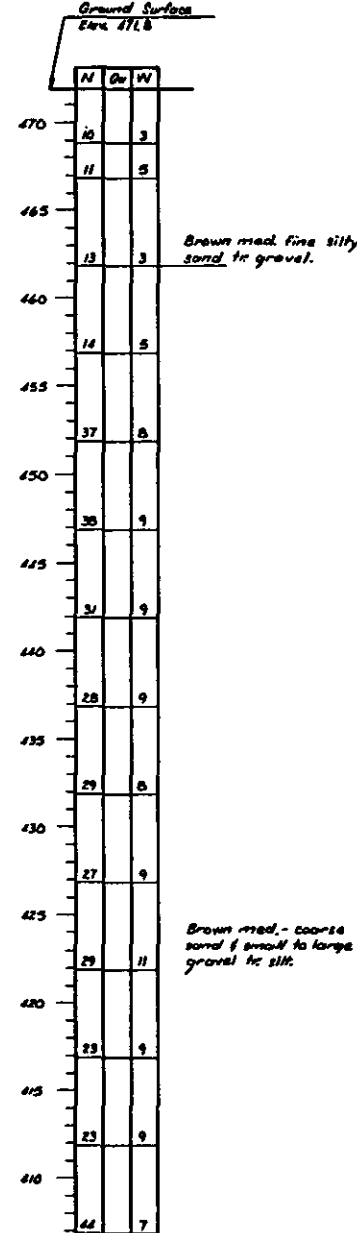
BORING #2E



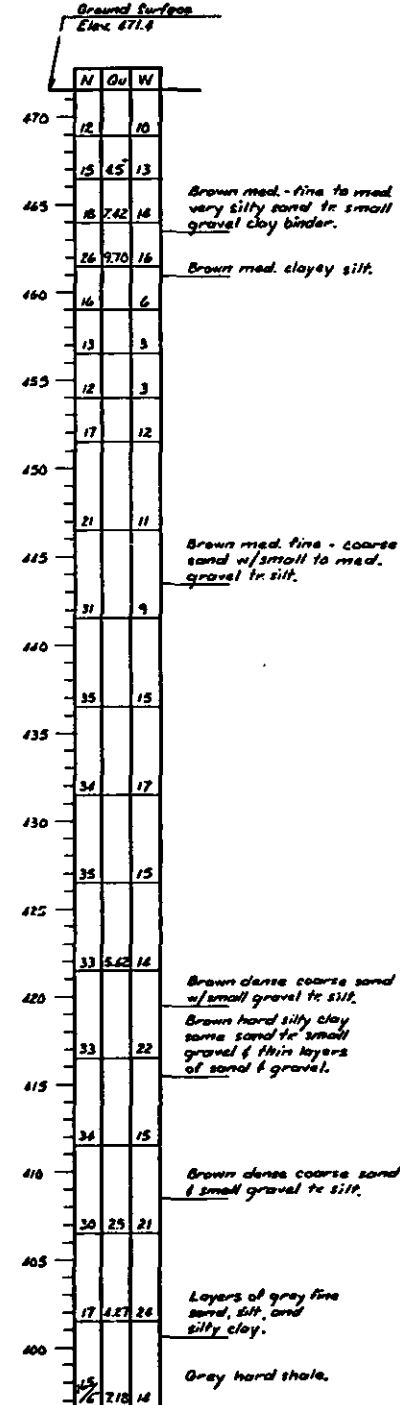
BORING #2



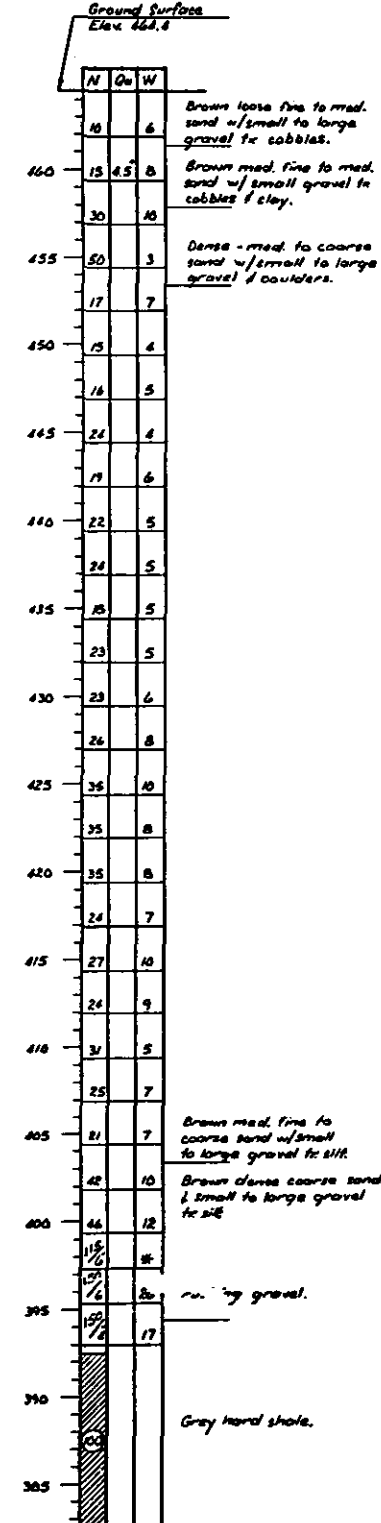
BORING #2F



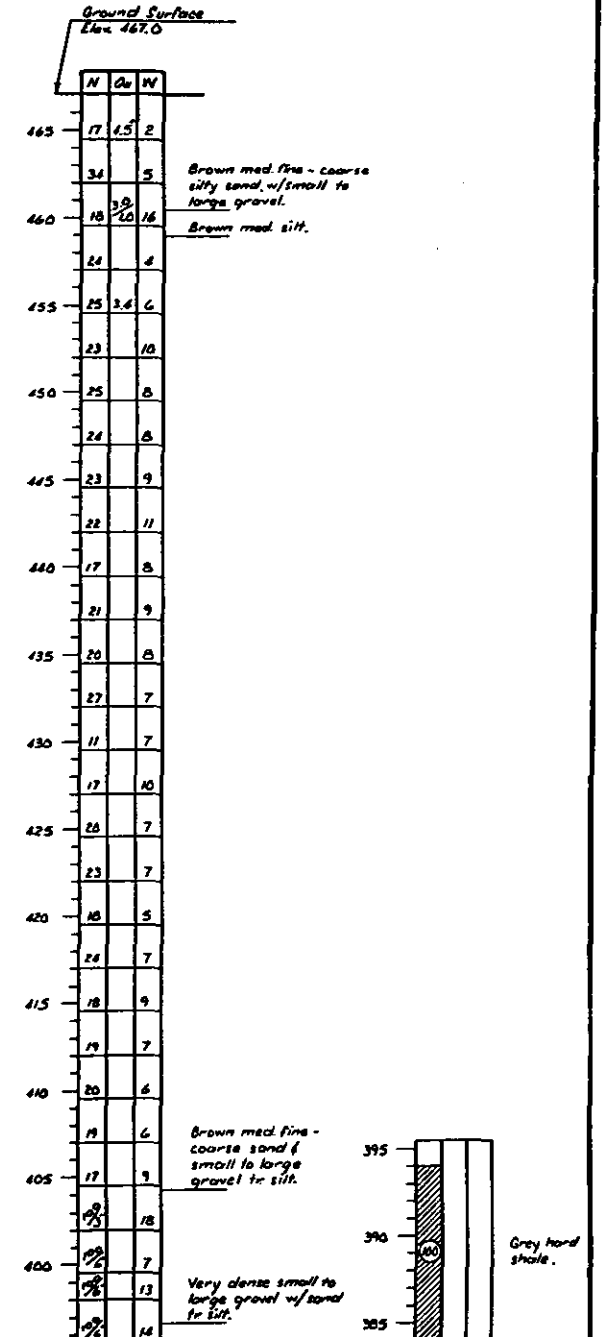
BORING #3E



BORING #3



BORING #3F



LEGEND:

Indicates Shelby Tube



Indicates Rock Core



A - amount of penetration (in inches).
B - amount recovered (in inches).
C - percent of core recovered.

BORING DATA

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES.



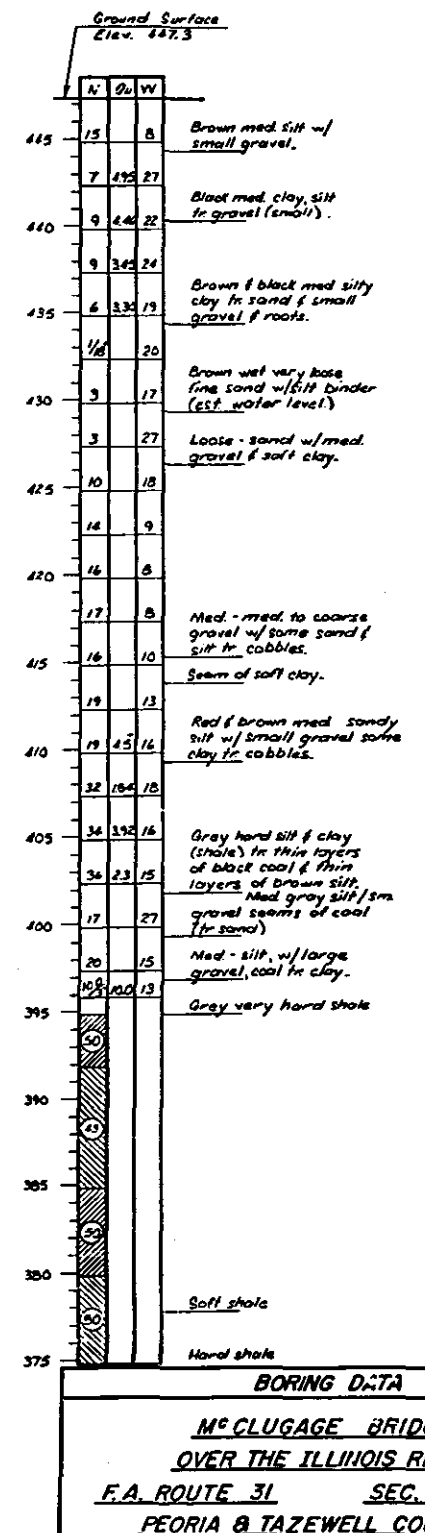
DESIGNED BY
CHECKED BY
DATE

SPRINGFIELD, ILLINOIS PEORIA, ILLINOIS

DATE
12-21-78

SHEET NO.	SER.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 21	15B-1	Florida TOWNHILL	28	27
FED. ROAD DIST. NO. 2		BLANKS	PROJECT	

BORING #6



A - amount of penetration (in inches).
B - amount recovered (in inches).
C - percent of core recovered.

M^CCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES

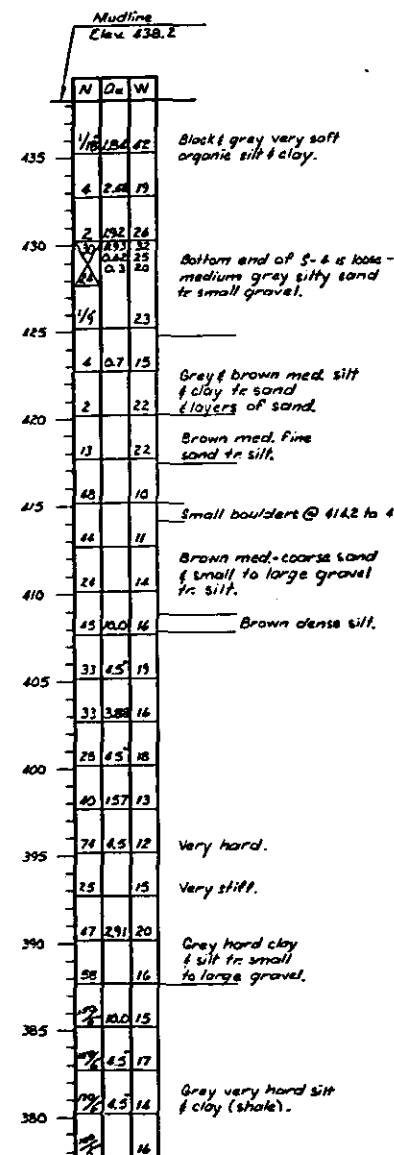


1001
DATE
2-51-74

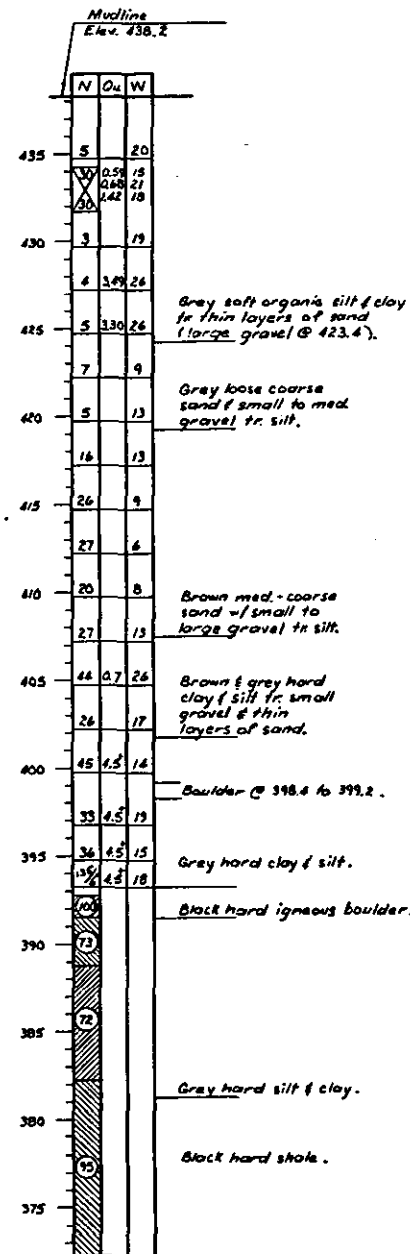
BORING DATA

DATE	NO.	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 31	15B-1	Peoria & Tazewell	28	28
FILE NO.	DATE	PROJECT		

BORING #7E

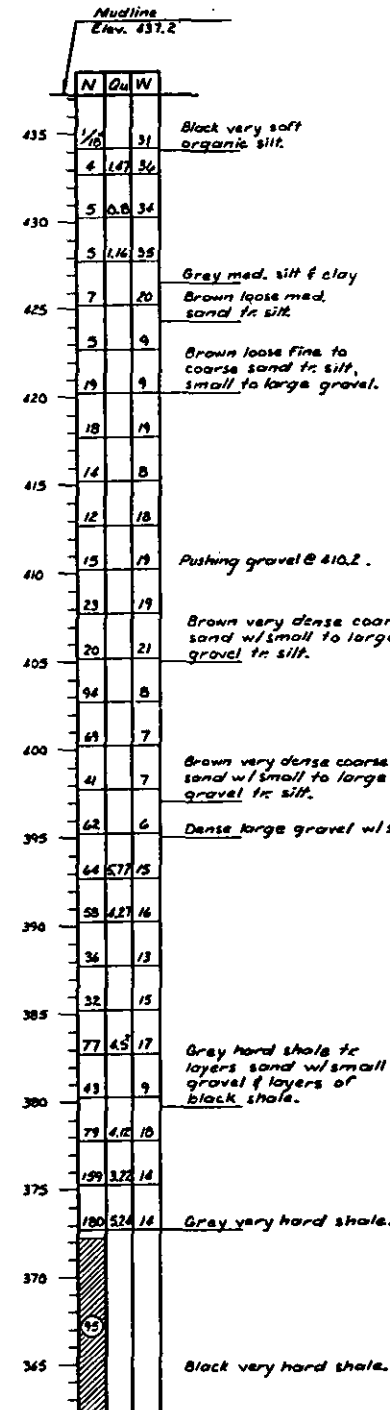


BORING #7



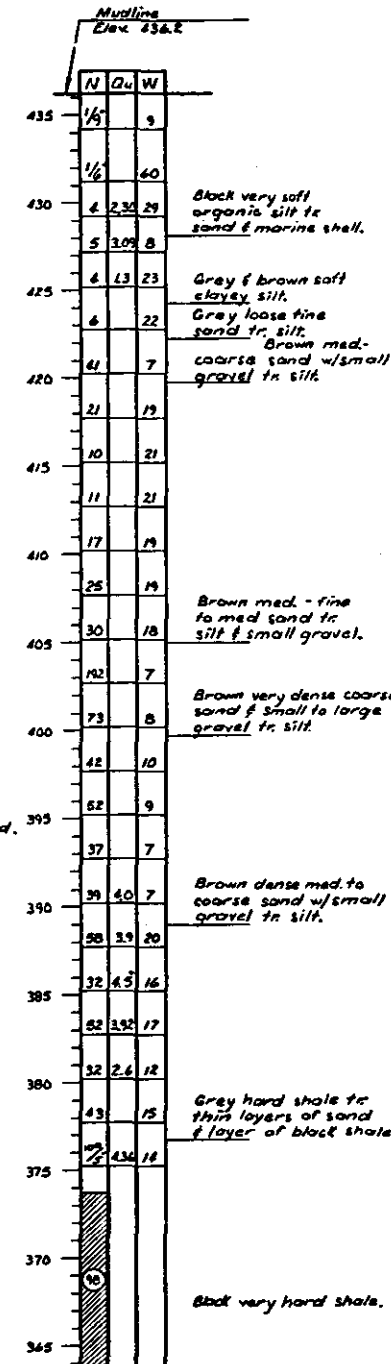
Note: Average rate of coring - 2 min. 50 sec./ft.

BORING #8E

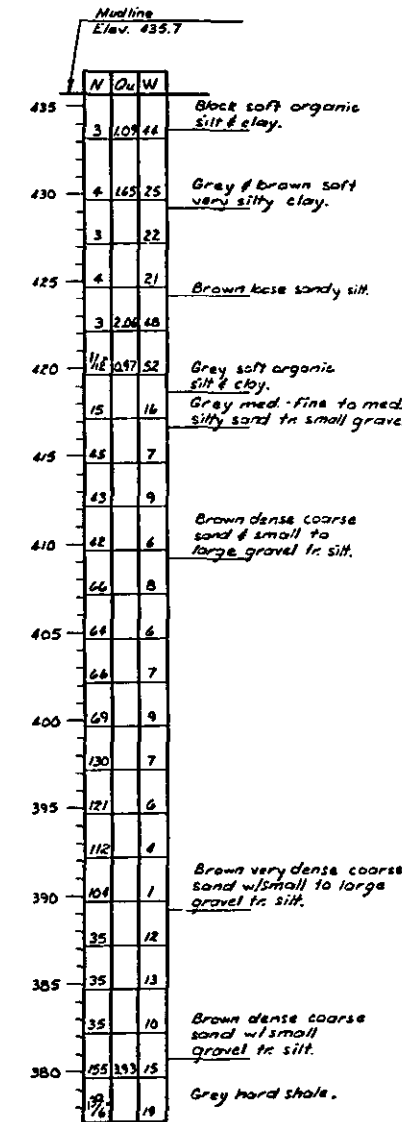


Note: Average rate of coring - 2 min. 45 sec./ft.

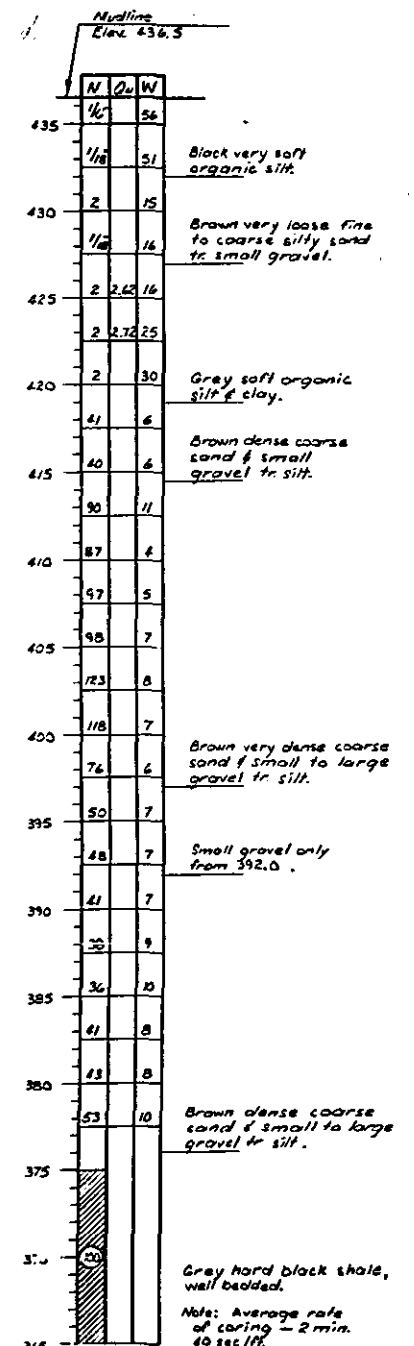
BORING #8



BORING #9E



BORING #9



Note: Average rate of coring - 2 min. 40 sec./ft.

LEGEND:

Indicates Shelby Tube



Indicates Rock Core



A - amount of penetration (in inches).
B - amount recovered (in inches).
C - percent of core recovered.

BORING DATA

M^cCLUGAGE BRIDGE
OVER THE ILLINOIS RIVER
F.A. ROUTE 31 SEC. 15 B-1
PEORIA & TAZEWELL COUNTIES



DESIGNED BY
CHECKED BY
DATE

FILE NO.
DATE