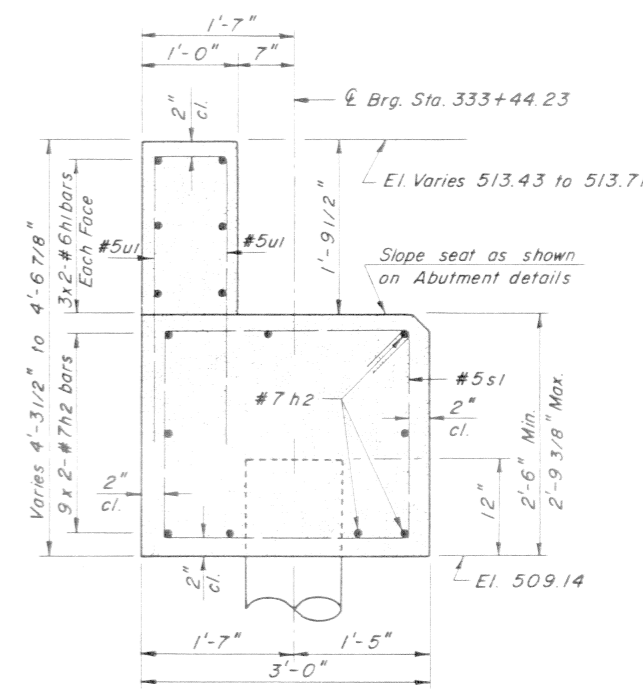
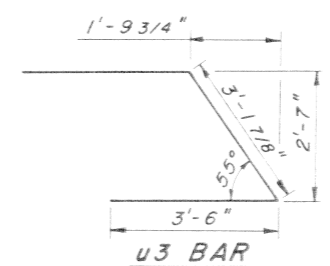
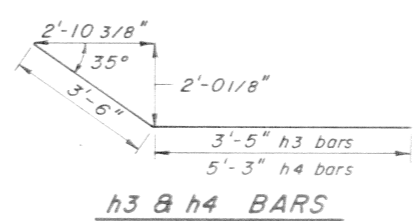
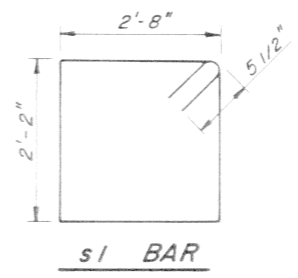
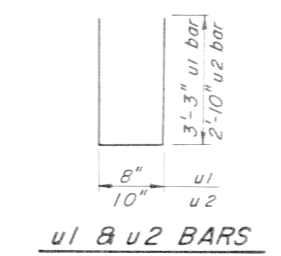


All edges shall have standard 3/4" chamfer except as noted.



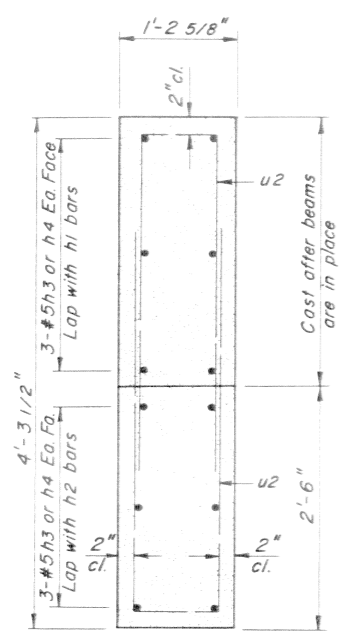
PILE DATA

Type	12" METAL SHELL
Capacity	35 TON
Est. Length	25 Feet
No. Required	5 + 1 Test Pile
Total Length	125 Feet

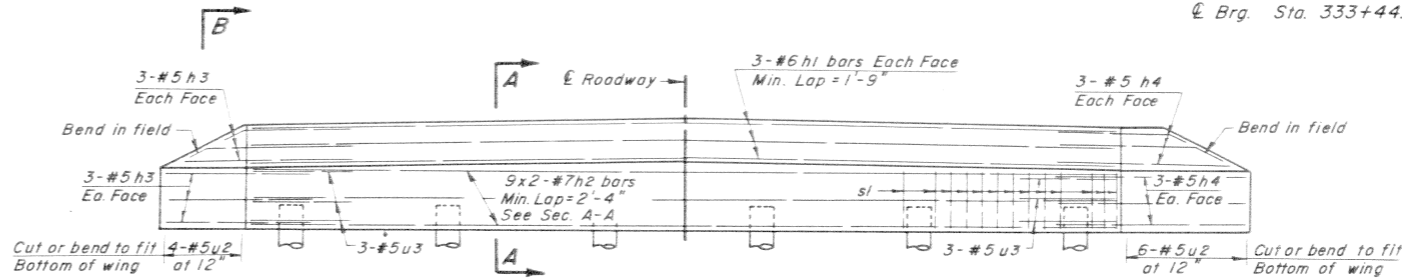
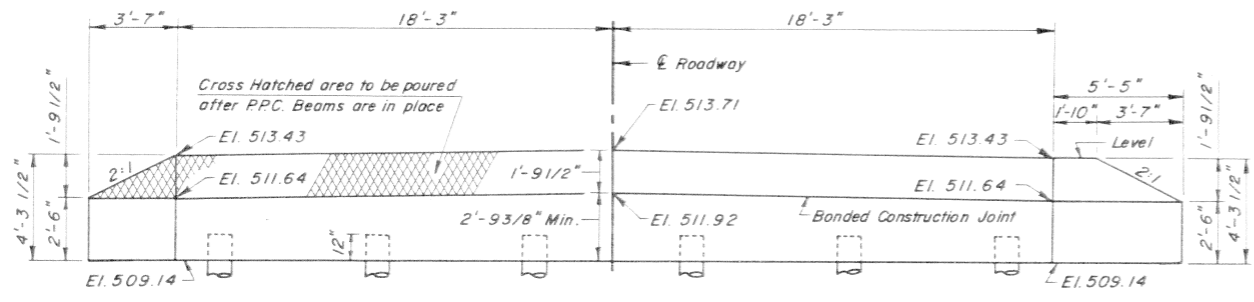
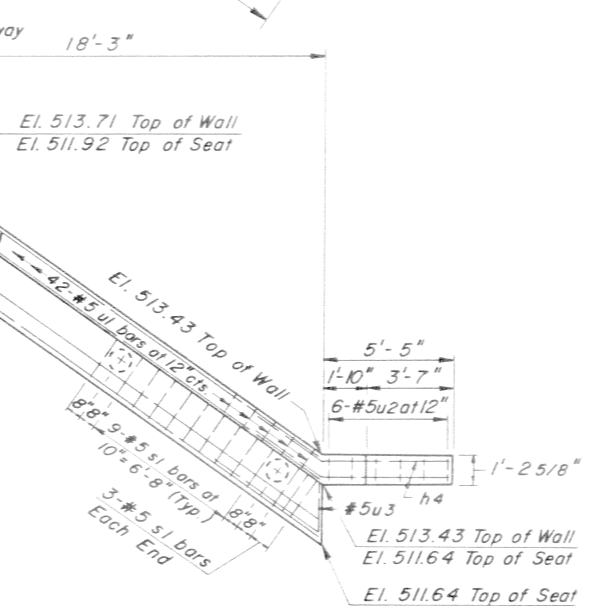
BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
h1	12	# 6	23'-3"	—
h2	18	# 7	23'-6"	—
h3	12	# 5	6'-11"	—
h4	12	# 5	8'-9"	—
u1	42	# 5	7'-2"	—
u2	20	# 5	6'-5"	—
u3	6	# 5	10'-2"	—
s1	51	# 5	10'-7"	□
Class X Concrete		Cu. Yd.	17.5	
Reinforcement Bars		Pound	2,554	
Piles 12" Metal Shell		Lin. Ft.	125	
Test Pile Metal Shells		Each	1	
Structure Excavation		Cu. Yd.	38	

Bk Abut. Sta. 333+46.16
 El. Brg. Sta. 333+44.23



El. 513.43 Top of Wall
 El. 511.64 Top of Seat



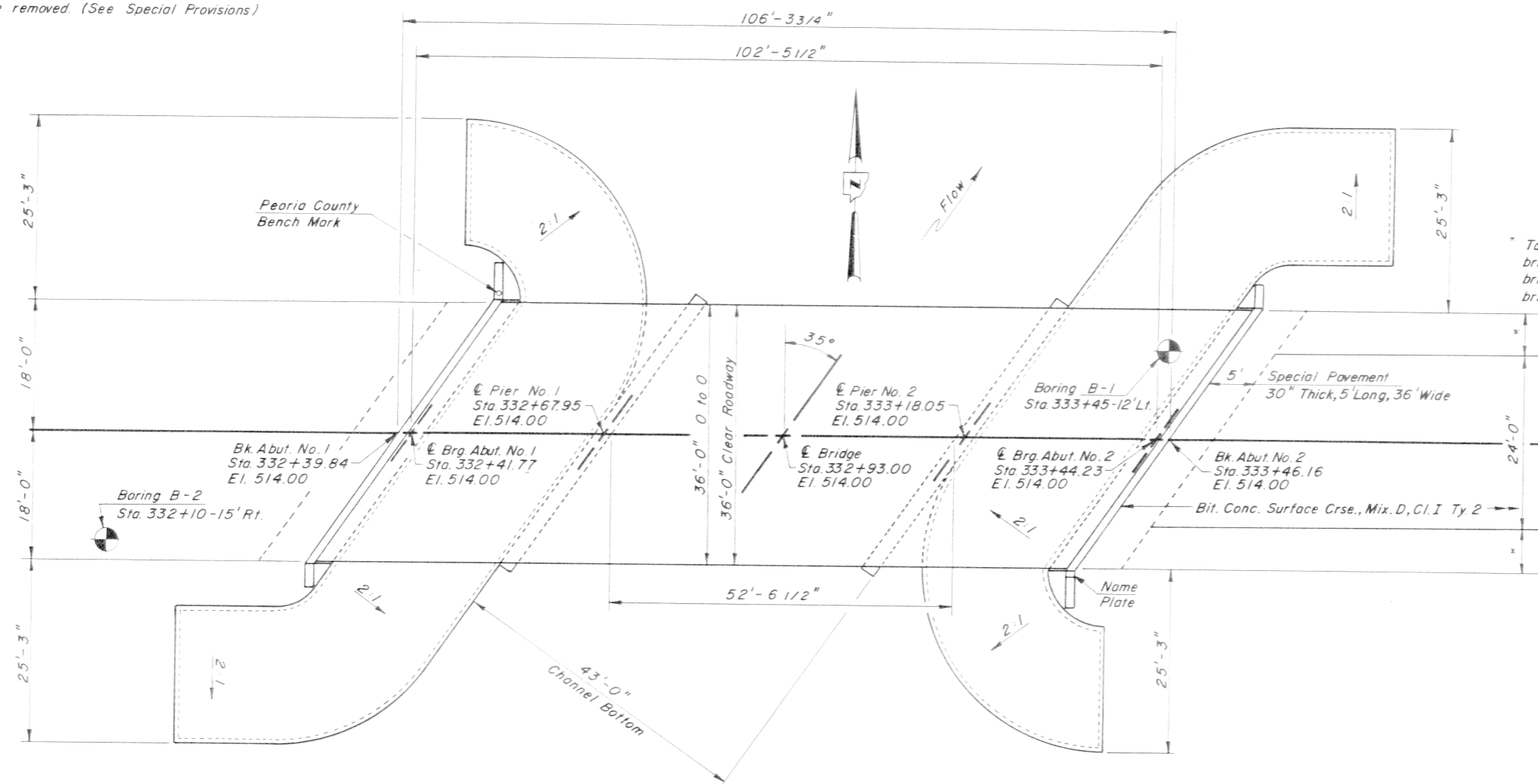
**ABUTMENT NO. 2
 EAST ABUTMENT**

Existing Structure No 072-3033
 54'-5 1/2" 2 Span Steel I-Beam Bridge
 22' wide with Concrete Deck
 To be removed. (See Special Provisions)

WATERWAY INFORMATION

TOTAL SHEETS	SHEET NO
24	6

Drainage Area	9.94	Sq. Mi.
Design Discharge (30 Yr. Fl. Freq.)	4,047	C. F. S.
High Water Elevation (Below 30 Yr. Fl. Freq.)	511.7	(U.S.G.S.)
Existing Opening (Below 30 Yr. H.W.E.)	454	Sq. Ft.
Proposed Opening (Below 30 Yr. H.W.E.)	679	Sq. Ft.
Created Head For Design Flood	<1.5	Ft.
100 Year Discharge	5,446	C. F. S.
(Thru Bridge = 4,671 C.F.S.)		
(Thru Roadway = 775 C.F.S.)		
100 Year High Water Elevation	512.2	(U.S.G.S.)
Created Head For 100 Year Flood	1.75	Ft.



PLAN VIEW

NOTE: Concrete from Existing Structure shall be broken and placed along slopes as directed by the Engineer. (Cost Incidental)

DESIGN STRESSES

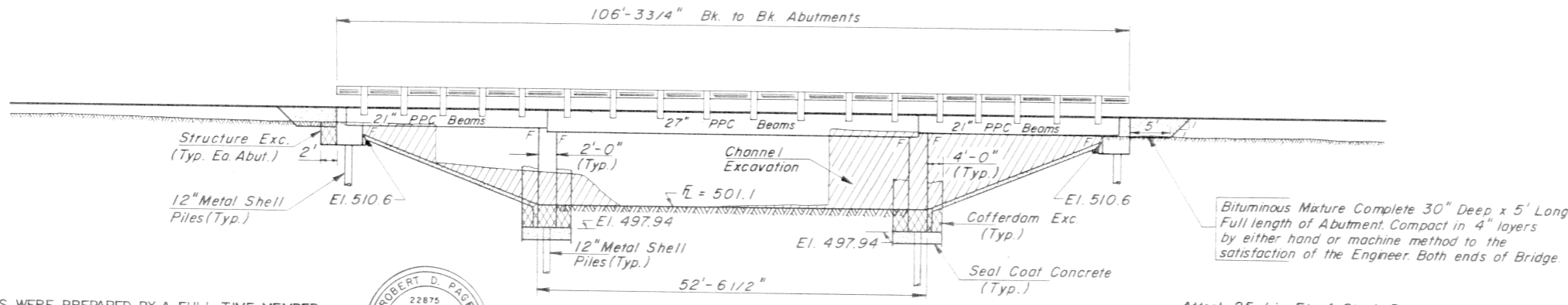
PRESTRESSED BEAMS	
f_c	5,000 PSI
f_{ci}	4,000 PSI (27" x 36" Beams)
f_{ci}	4,000 PSI (21" x 36" Beams)
f_s	270,000 PSI (1/2" # Strands)
f_{si}	189,000 PSI (1/2" # Strands)
CAST IN PLACE UNITS	
f_c	3,500 PSI
f_y	60,000 PSI (Reinor.)

LOADING HS 20-44
 DESIGN SPECIFICATIONS - AASHTO 1989
 2" Future Wearing Surface

BRIDGE BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
Class X Concrete	Cu. Yd.		133.2	133.2
Seal Coat Concrete	Cu. Yd.		121.2	121.2
Reinforcement Bars	Pound		13,196	13,196
P.P. Concrete Deck Beams 21" Deep	Sq. Ft.	1,932		1,932
P.P. Concrete Deck Beams 27" Deep	Sq. Ft.	1,800		1,800
Furnishing Piles, 12" Metal Shells	Lin. Ft.		851	851
Driving and filling Shells	Lin. Ft.		851	851
Test Piles, 12" Metal Shells	Each		4	4
Name Plates	Each		1	1
Steel Railing Type WT	Lin. Ft.	212.6		212.6
P.C. Mortar Fairing Course	Lin. Ft.	1,143		1,143
Waterproofing Membrane System	Sq. Yd.	425.3		425.3
Fabric Formed Conc. Revetment Mat	Sq. Yd.		646.2	646.2
Bit. Conc. Surf. Crse. Mix. D, Cl. I, Ty 2	Ton	71.4		71.4
Prismatic Barrier Reflectors	Each	22		22
Removal of Existing Structures	Each		1	1
Bituminous Mixture Complete	Ton	84		84
Cofferdams	Each		2	2
Cofferdam Excavation	Cu. Yd.		248	248
Channel Excavation	Cu. Yd.		975	975
Structure Excavation	Cu. Yd.		76	76

NOTE: See next sheet for General Notes.
 Limits of Channel Excavation is from 50' either side of
 & Roadway for a total of 100'.



ELEVATION VIEW

Attach 25 Lin. Ft. of Steel Plate Beam Guardrail
 Ty. B and Traffic Barrier Terminal Type 1
 to Each Corner of Bridge.

NOTE: Peoria County Bench Mark to be set in the Northwest Corner
 of the structure. See Abutment No. 1 Detail sheet.

THESE PLANS WERE PREPARED BY A FULL TIME MEMBER
 OF MY STAFF UNDER MY PERSONAL SUPERVISION.

9/28/89
 PEORIA COUNTY SUPERINTENDENT OF HIGHWAYS

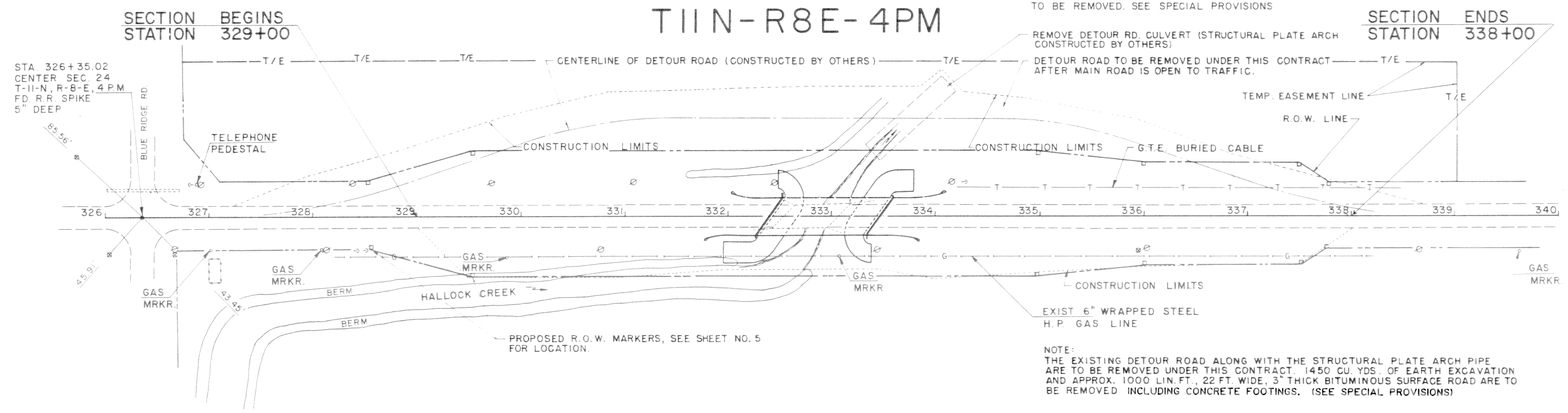


SECTION 88-00045-00-BR
 STATION 332+93
 PEORIA COUNTY
 STRUCTURE NO. 072-3124

F.A.S. ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
88-00045-00-BR	PEORIA	ILLINOIS PROJECT	24	4

HALLOCK TOWNSHIP T11N-R8E-4PM

EXISTING STRUCTURE NO. 072-3033
54'-5 1/2" 2 SPAN STEEL I-BEAM BRIDGE
22' WIDE WITH CONCRETE DECK
TO BE REMOVED. SEE SPECIAL PROVISIONS

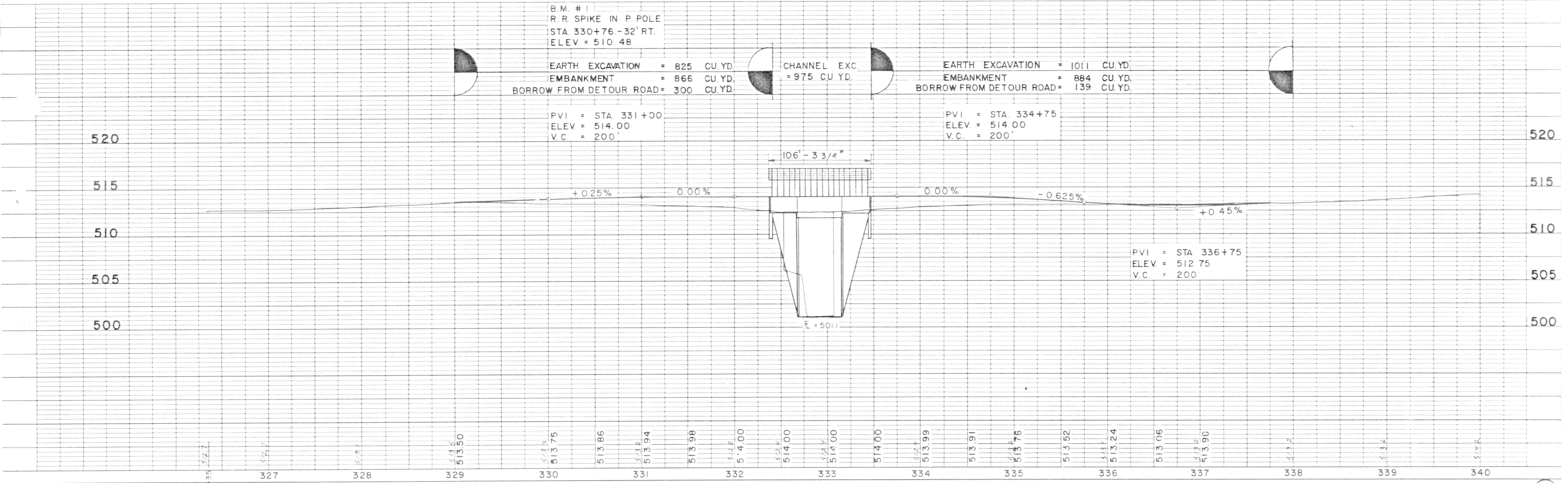


NOTE: THE EXISTING DETOUR ROAD ALONG WITH THE STRUCTURAL PLATE ARCH PIPE ARE TO BE REMOVED UNDER THIS CONTRACT. 1450 CU. YDS. OF EARTH EXCAVATION AND APPROX. 1000 LIN. FT., 22 FT. WIDE, 3" THICK BITUMINOUS SURFACE ROAD ARE TO BE REMOVED INCLUDING CONCRETE FOOTINGS. (SEE SPECIAL PROVISIONS)

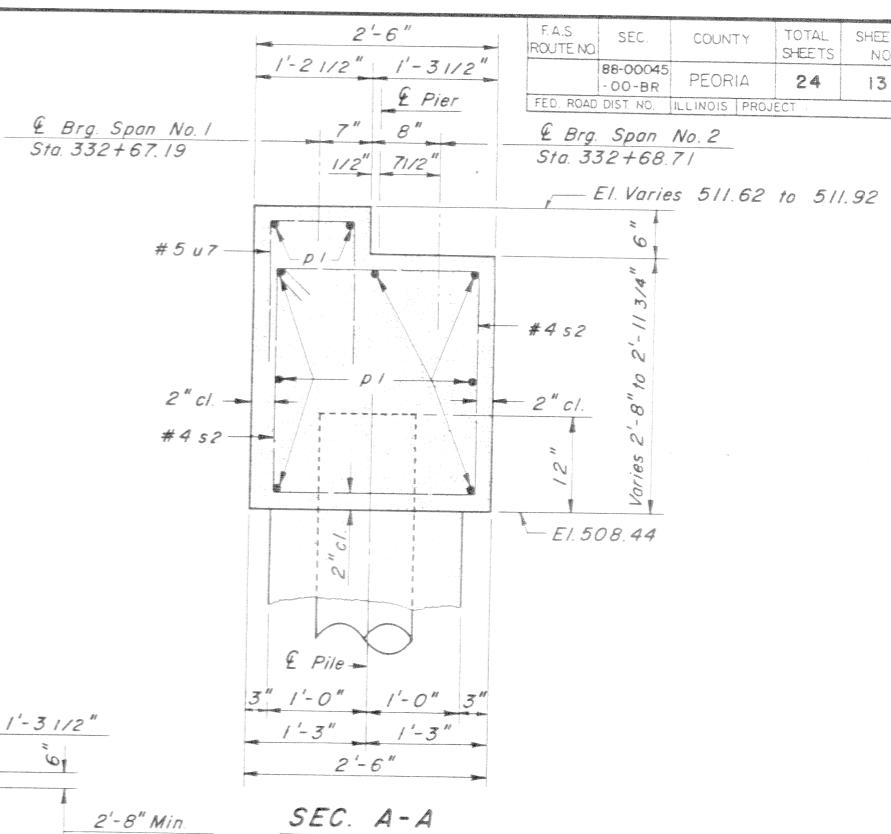
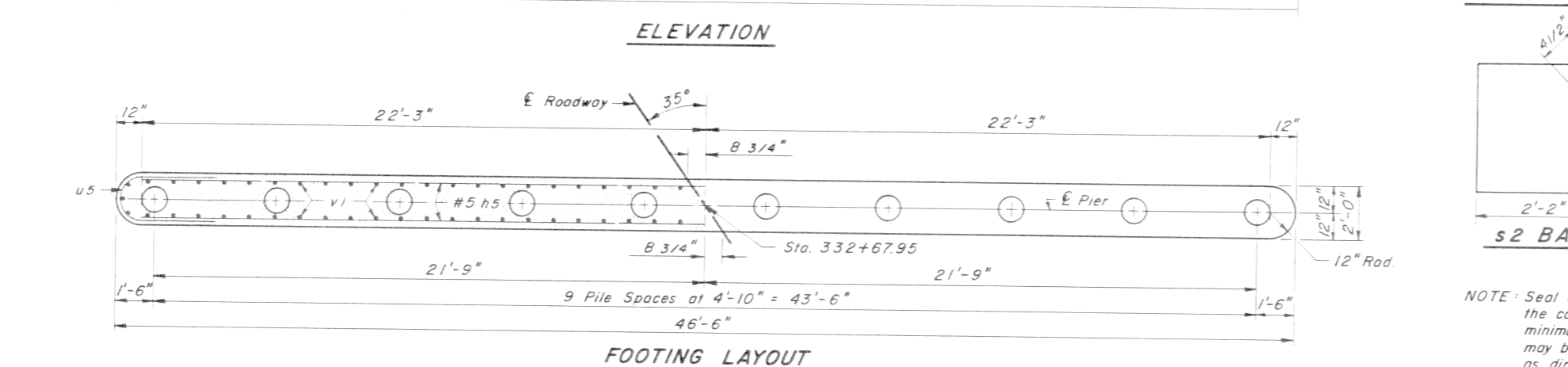
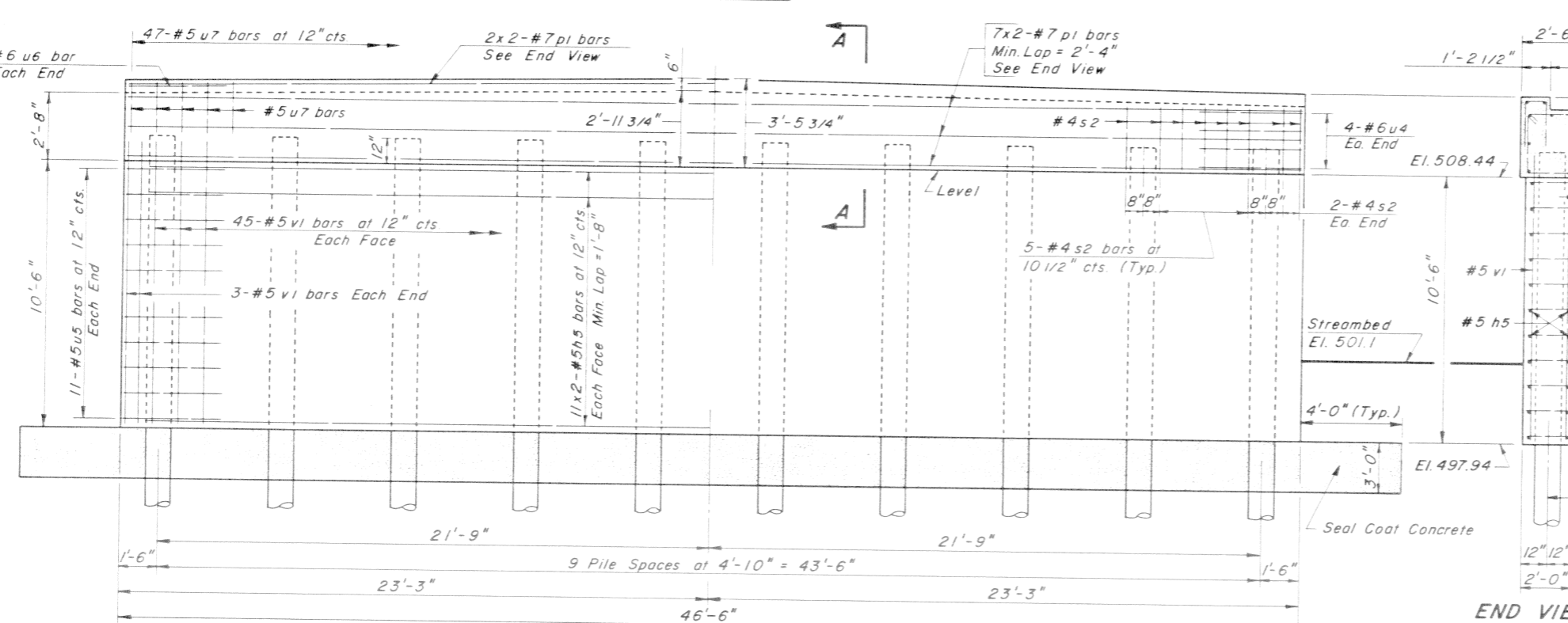
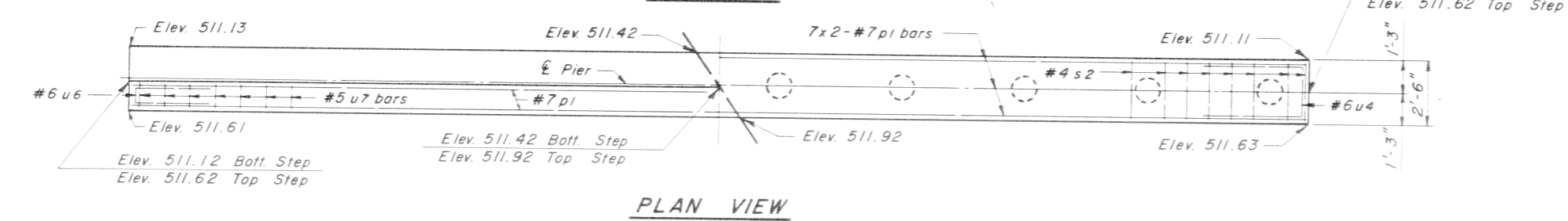
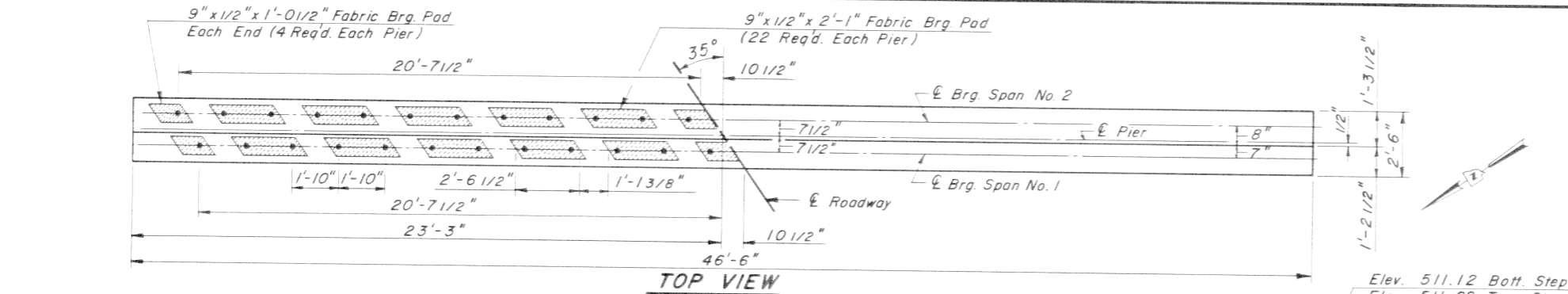
NOTE: TOPSOIL STOCKPILED BETWEEN LEFT STA 327+50 TO LEFT STA 329+00 BY OTHERS SHALL BE REPLACED AFTER THE DETOUR ROAD IS REMOVED, REPLACEMENT IS BY THIS BRIDGE CONTRACT.

NOTE: ATTACH 25 LIN. FT. OF STEEL PLATE BEAM GUARDRAIL, TYPE B AND ONE TRAFFIC BARRIER TERMINAL, TYPE I, TO EACH CORNER OF BRIDGE

STA. 332+39.84 TO STA. 333+46.16
106'-3 3/4" 3 SPAN P.P.C. DECK BRIDGE
35° SKEW LT. AHEAD
STRUCTURE NO. 072-3124
SEE BRIDGE PLANS



F.A.S. ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
88-00045-00-BR	PEORIA	24	13	
FED. ROAD DIST. NO.	ILLINOIS PROJECT			

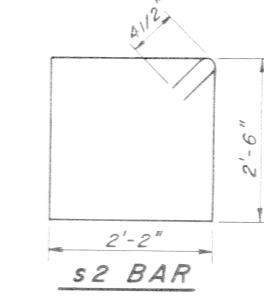
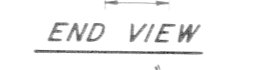
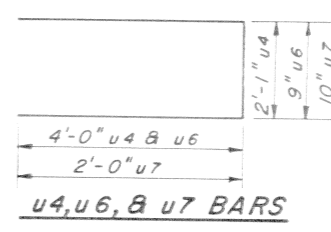


PILE DATA

Type	12" Metal Shell
Capacity	45 Ton
Est. Length	32 Feet
No. Required	9+1 Test Pile
TOTAL LENGTH	288 Feet

BILL OF MATERIALS

BAR	NO	SIZE	LENGTH	SHAPE
h5	44	#5	23'-2"	
pl	18	#7	24'-4"	
s2	49	#4	10'-1"	
u4	8	#6	10'-1"	
u5	22	#5	8'-7"	
u6	2	#6	8'-9"	
u7	47	#5	4'-10"	
v1	96	#5	11'-6"	
Reinforcement Bars		Pound	4044	
Class X Concrete		Cu Yd	49.1	
Seal Coat Concrete		Cu Yd	60.6	
Piles 12" Metal Shell		Lin. Ft.	288	
Test Piles Metal Shell		Each	1	
Cofferdams		Each	1	
Cofferdam Excavation		Cu Yd.	124	



NOTE: All edges shall have standard 3/4" chamfer
Space reinforcement in cap to miss anchor dowels
Dimensions of Cofferdam = 10'-0" x 54'-6"
E Pier No. 1 Sta. 332+67.95
E Finished Roadway El. 514.00

NOTE: Seal Coat Concrete to be placed in the cofferdam below Elev. 497.94 a minimum thickness of 3'-0". The thickness may be varied to suit existing conditions as directed by the Engineer.

**PIER NO. 1
WEST PIER**