

KENTUCKY DEPARTMENT OF HIGHWAYS

LEXINGTON - TENNESSEE LINE

INTERSTATE OVER CUMBERLAND RIVER

WHITLEY COUNTY

GENERAL NOTES

- SPECIFICATIONS — KENTUCKY DEPARTMENT OF HIGHWAYS, 1956 STANDARD WITH ADJUSTMENTS.
- DESIGN LOAD — BRIDGE DESIGNED FOR H20-S16-44 LOADING AS SPECIFIED IN 1956 A.A.S.H.O. SPECIFICATION ONE OR ALTERNATE LOADING OF TWO 24 KIP AXLES PLACED 14 FEET APART, WHICHEVER PRODUCES THE GREATER STRESS. SLABS ARE DESIGNED FOR 14 KIP WHEEL LOAD.
- DESIGN STRESSES — FOR REINFORCED CONCRETE, $f_s = 20,000 \text{ psi}$, $f_c = 1200 \text{ psi}$, $f_c = 3000 \text{ psi}$, $n = 20$ FOR EMBEDMENT, $n = 300$ FOR Σ_0 , $n = 10$. FOUNDATION PRESSURE = 16,500 psf .
- CONCRETE — CLASS "A" CONCRETE IS TO BE USED THROUGHOUT.
- REINFORCEMENT — INTERMEDIATE OR HARD GRADE REINFORCEMENT SHALL BE USED IN ACCORDANCE WITH ASTM A108-57 FOR BILLET STEEL OR A16-50T FOR RAIL STEEL CONFORMING TO BENDING REQUIREMENTS OF AASHTO SPEC. M42. DIMENSIONS SHOWN FROM FACE OF CONCRETE TO BARS ARE CLEAR DISTANCES. SPACING OF BARS IS FROM CENTER TO CENTER OF BARS.
- BEVELED EDGES — ALL EXPOSED EDGES SHALL BE BEVELED $7/8"$ UNLESS OTHERWISE SHOWN.
- POLYVINYL WATERSTOP — THE COST OF THIS ITEM IS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "A" CONCRETE.
- PIILING — PILING SHALL BE DRIVEN TO REFUSAL OR TO SUSTAIN A MINIMUM LOAD OF 50 TONS PER PILE. TEST PILES SHALL BE DRIVEN WHERE DESIGNATED ON THE PLANS TO DETERMINE THE LENGTH REQUIRED. ALL TEST PILES SHALL BE ACCURATELY LOCATED SO THAT THEY MAY BE USED IN THE FINISHED STRUCTURE.
- PLACING FILLS — EMBANKMENT SHALL BE PLACED IN COMPACTED LAYERS TO BOTTOM OF BENT CAP ELEVATION BEFORE DRIVING PILES IN ANY PILE BENT. EMBANKMENT SHALL BE PLACED SIMULTANEOUSLY IN FRONT AND BACK OF END BENTS AND ABUTMENTS IN COMPACTED LAYERS AND THE 5 FT. MINIMUM DEAM PROVIDED AS SHOWN ON THE PLANS BEFORE PLACING SHORING AND FORMS FOR ERECTING THE END SPANS.
- SLOPE PROTECTION — FILL IN FRONT OF ABUTMENTS AND RET. ROCK FACING TO BE IN PLACE BEFORE PILES ARE DRIVEN. NO DIRECT PAYMENT WILL BE MADE FOR ROCK FACING (SEE ROAD PLANS).
- CONSTRUCTION JOINTS — ALL CONSTRUCTION JOINTS SHALL BE CAREFULLY FORMED. THE CONTRACTOR SHALL FURNISH SUFFICIENT MIXER CAPACITY TO PLACE THE CONCRETE BETWEEN CONSTRUCTION JOINTS AS NOTED ON THE PLANS IN A PERIOD NOT EXCEEDING TEN HOURS CONTINUOUS RUN. AFTER ONE SECTION OF THE CONCRETE HAS BEEN PLACED, THE CONSTRUCTION JOINT SHALL BE THOROUGHLY CLEANED OF ALL LANTANCE LOOSE AND FOREIGN MATERIAL JUST BEFORE THE CONCRETE TAKES ITS FINAL SET, WHICH IS ABOUT SIX HOURS. THE JOINTS SHALL THEN BE COVERED WITH BURLAP AND LEFT COMPLETELY SATURATED WITH WATER. FLUSH THE JOINTS WITH 1:2 PORTLAND CEMENT MORTAR JUST BEFORE PLACING THE ADJOINING SECTION.
- ANCHOR BOLT HOLES — THE SUPERSTRUCTURE CONTRACTOR SHALL DRILL ALL ANCHOR BOLT HOLES AND PLACE ANCHOR BOLTS. THE SUBSTRUCTURE CONTRACTOR SHALL EXERCISE CARE IN PLACING REINFORCING STEEL IN TOP OF ALL SUBSTRUCTURE UNITS TO THE DIMENSIONS SHOWN.
- BEARING AREAS — BEARING AREAS TO RECEIVE SUPERSTRUCTURE SHALL BE FINISHED PERFECTLY SMOOTH AND LEVEL AT THE ELEVATIONS SHOWN ON THE PLANS.

- CONSTRUCTION NOTE — IF MATERIAL FOR EMBANKMENT IS TO BE Hauled OVER FINISHED BRIDGE, THE ROADWAY APPROACHES FOR A MINIMUM DISTANCE OF 50 FT. FROM THE BACKFACE OF EACH ABUTMENT SHALL BE BROUGHT TO GRADE WITH COMPACTED MATERIAL AND SURFACED WITH TRAFFIC BOUND MACADAM.
- STRUCTURE EXCAVATION — ITEM 1- THIS ITEM INCLUDES STRUCTURE EXCAVATION FOR PIERS 213. THE CUBIC YARDS OF STRUCTURE EXCAVATION PAID FOR WILL BE THE CUBIC YARDS ACTUALLY REMOVED, EXCEPT THERE SHALL BE NO PAYMENT FOR EXCAVATION OUTSIDE THE AREA BOUNDED BY VERTICAL PLANES 1'-6" BEYOND THE NEAT LINES OF THE FOOTING. ITEM 2- THIS ITEM INCLUDES STRUCTURE EXCAVATION FOR ABUTMENT 2 AND PIERS 124. THE CUBIC YARDS OF STRUCTURE EXCAVATION PAID FOR WILL BE THE CUBIC YARDS ACTUALLY REMOVED, EXCEPT THERE SHALL BE NO PAYMENT FOR EXCAVATION OUTSIDE THE AREA BOUNDED BY VERTICAL PLANES 1'-6" BEYOND THE NEAT LINES OF THE FOOTING.
- COPPERDAMS — COPPERDAMS WHICH ARE LIFTED OR MOVED LATERALLY DURING THE PROCESS OF SINKING, OR DURING THE CONSTRUCTION OF THE STRUCTURE DUE TO BANK BREAKS OR SLIDES OR ANY OTHER CAUSES, SHALL BE REIGNED, RESET, OR ENLARGED SO AS TO PROVIDE THE NECESSARY CLEARANCE FOR THE CONSTRUCTION OF THE STRUCTURE, AND THIS SHALL BE AT THE SOLE EXPENSE OF THE CONTRACTOR.
- STRUCTURAL STEEL — LUMP SUM BID FOR STRUCTURAL STEEL SHALL BE FULL PAYMENT FOR ROADWAY ANGLES IN END BENTS AND ABUTMENTS AND ALL LABOR AND MATERIALS NECESSARY TO ERECT THE STEEL IN ACCORDANCE WITH PLANS AND SPECIFICATIONS. (SEE END BENT AND ABUTMENT DETAILS) PAINT FOR STRUCTURAL STEEL SHALL CONSIST OF ONE COAT OF TYPE 1 RED LEAD SHOP PAINT AND 2 COATS OF PLUMBER FIELD PAINT IN ACCORDANCE WITH SPECIFICATIONS. ALL STRUCTURAL STEEL TO CONFORM TO THE REQUIREMENTS OF A.S.T.M. SPECIFICATION A572. NOTARIZED MILL TEST REPORTS IN TRIPLICATE SHALL BE FURNISHED THE DEPARTMENT OF HIGHWAYS SHOWING THAT MATERIALS MEET THE REQUIREMENTS OF SPECIFICATIONS. WELDING TO BE WORN TO CURRENT AAS SPECIFICATIONS.
- CHANGES IN STRUCTURAL STEEL QUANTITIES — IN THE EVENT THAT CHANGES IN STEEL QUANTITIES ARE REQUIRED DUE TO CHANGES BY THE ENGINEER IN THE PLANS OR SPECIFICATIONS, CREDITS OR ADDITIONAL PAYMENTS THEREFOR SHALL BE MADE AT A UNIT PRICE WHICH WILL BE EQUAL TO THE CONTRACT LUMP SUM PRICE DIVIDED BY THE ESTIMATED TOTAL WEIGHT.

REFERENCES & ESTIMATE OF QUANTITIES [SUBSTRUCTURE - 2 BRIDGES]

ITEM	SHEET NO.	CONCRETE CLASS "A" CU. YDS.	REINFORCEMENT LBS.	120 P.S.I. STEEL PILES		STRUCTURE EXCAVATION ITEM 1		STRUCTURE EXCAVATION ITEM 2		STRUCTURAL STEEL LUMP SUM
				FURNISH LIN. FT.	DRIVE LIN. FT.	COMMON CU. YDS.	SR. ROCK CU. YDS.	COMMON CU. YDS.	SR. ROCK CU. YDS.	
TITLE SHEET & QUANTITIES	1									
LAYOUT	2, 3									
END BENT NO. 1E	4	76.6	6224	1191	1191					
END BENT NO. 1A	5	76.6	6224	1191	1191					
PIER NO. 1E	6	233.9	21337					564	96	
PIER NO. 1W	6	233.9	21337					552	82	
PIER NO. 2E	7	302.5	37537	4128		206	126			
PIER NO. 2W	8	295.2	36976	4058		196	81			
PIER NO. 3E	9	205.0	29893			129	60			
PIER NO. 3W	10	236.0	28843			142	52			
PIER NO. 4E	11	234.9	20825					391	190	
PIER NO. 4W	11	234.9	20825					461	70	
ABUTMENT NO. 2E	12	81.9	8492	952	952			120	140	
ABUTMENT NO. 2W	14	81.7	5775					30	250	
REINFORCEMENT	15, 16									
SOUNDINGS	17									
POLYVINYL WATERSTOP	6-352									
PILES	P-17									
PILE RECORD	4-5									
TOTALS		2546.5	263,090	2403	3334	675	319	2118	788	*LUMP SUM

* APPROXIMATE WEIGHT OF ROADWAY ANGLES IN ALL BACKWALLS IS 2740 LBS.

BILL OF INCIDENTAL MATERIAL (TOTAL FOR 2 BRIDGES)			
ITEM	NO. BIDS	LENGTH	LOCATION
POLYVINYL WATERSTOP	4	32'-6"	ROADWAY AT ABUTMENT 2 END BENTS SEE DET. DWG. G-352 SHEET 54

NOTE: Quantities shown in the Bill of Incident Material are approximate only and the contractor is responsible for determining quantities to construct the work in accordance with the plans and specifications.

1-75 OVER CUMBERLAND RIVER SHEET 1 OF 17

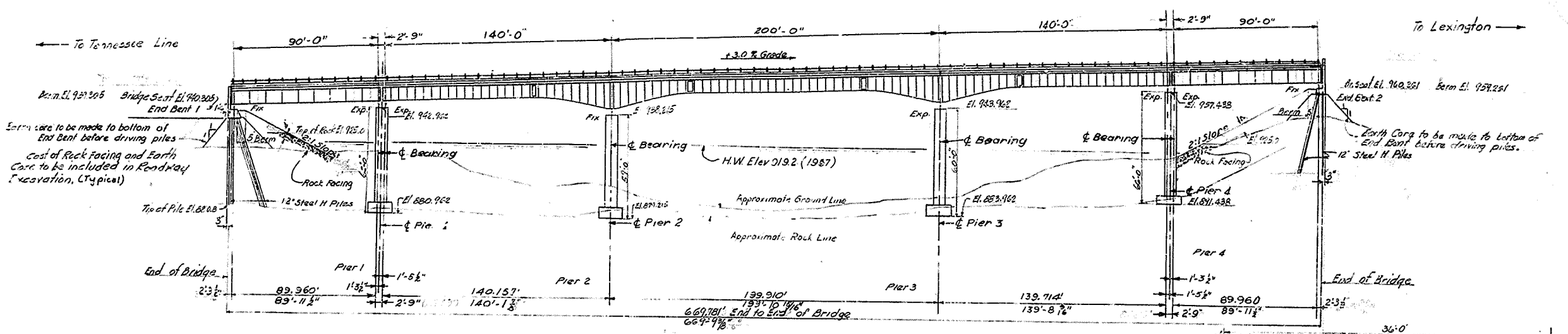
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
LEXINGTON - TENNESSEE LINE

STATION 799+360 ROAD PROJECT NO. SP118-350-21

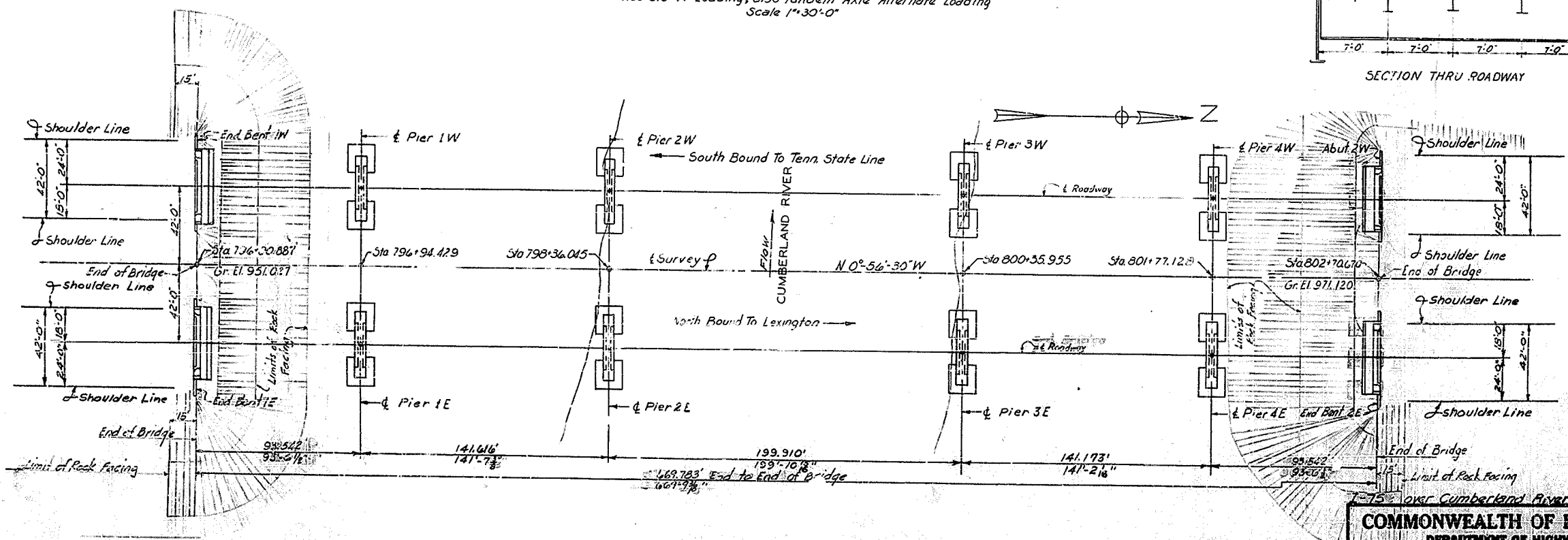
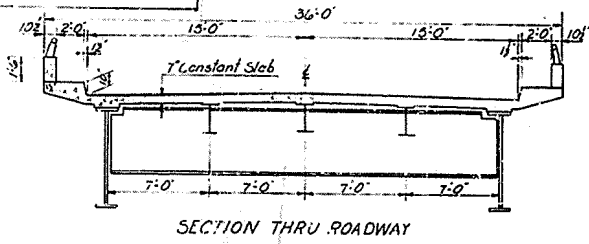
BRIDGE NUMBER 1409

DATE	BY	CHKD	APP'D	DATE
7	NY			

990
980
970
960
950
940
930
920
910
900
890
880
870
860
850
840



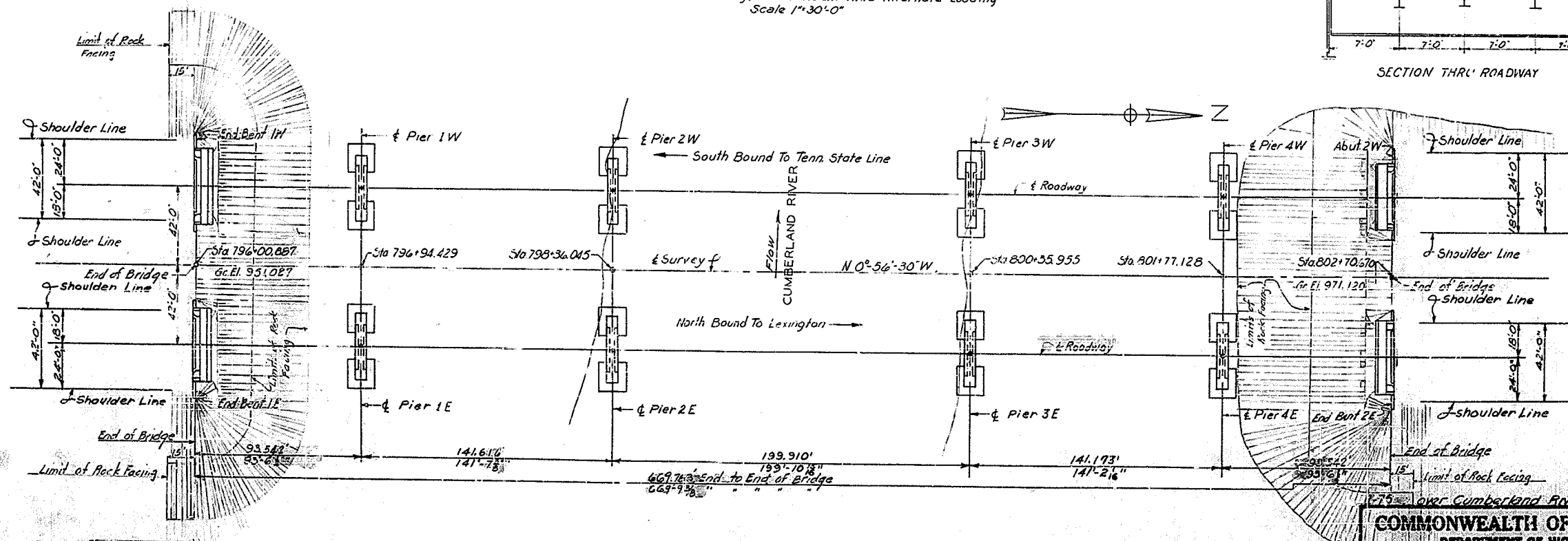
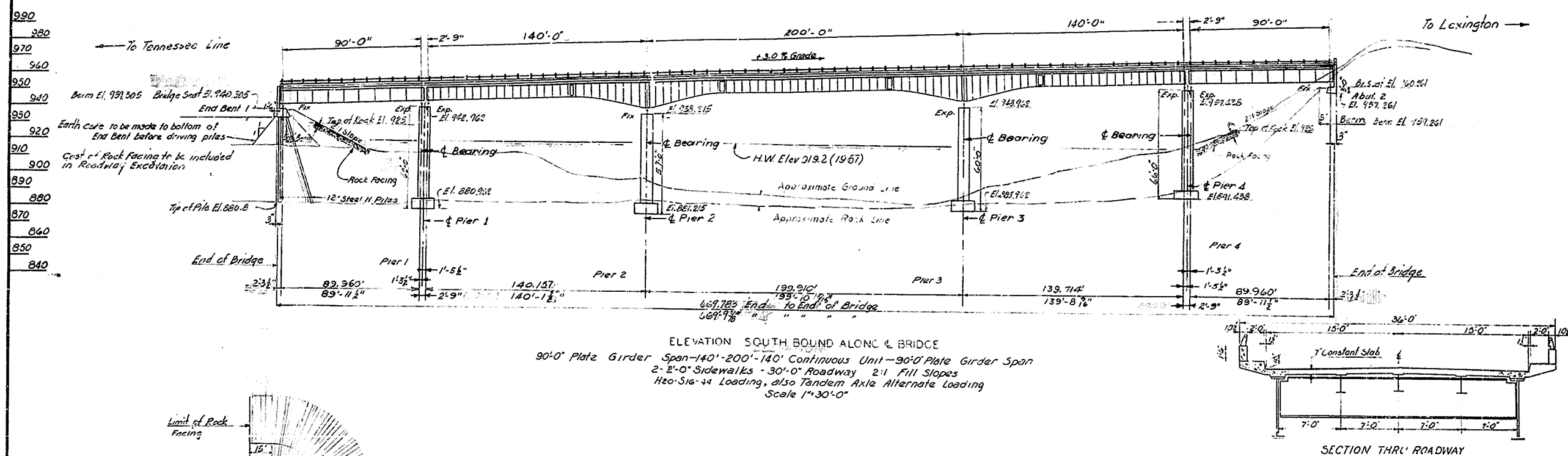
ELEVATION NORTH BOUND LANE OF BRIDGE
90'-0" Plate Girder Span-140'-200'-140' Continuous Unit-90'-0" Plate Girder Span
2'-2"-0" Sidewalks -30'-0" Roadway 2:1 Fill Slopes
Heo-Sie-44 Loading, also Tandem Axle Alternate Loading
Scale 1"=30'-0"

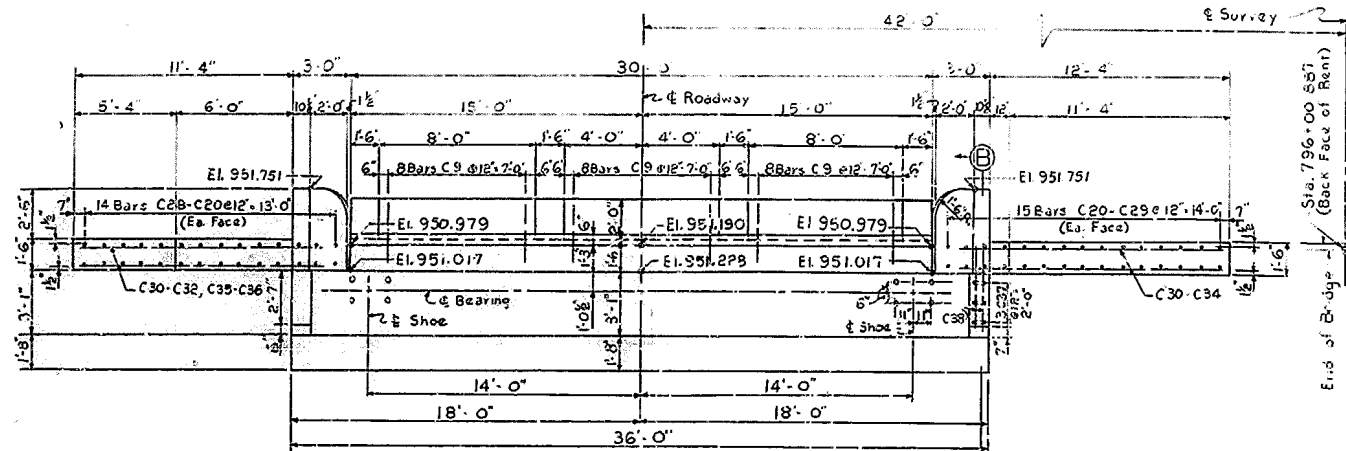


PLAN
(SUPERSTRUCTURE REMOVED)

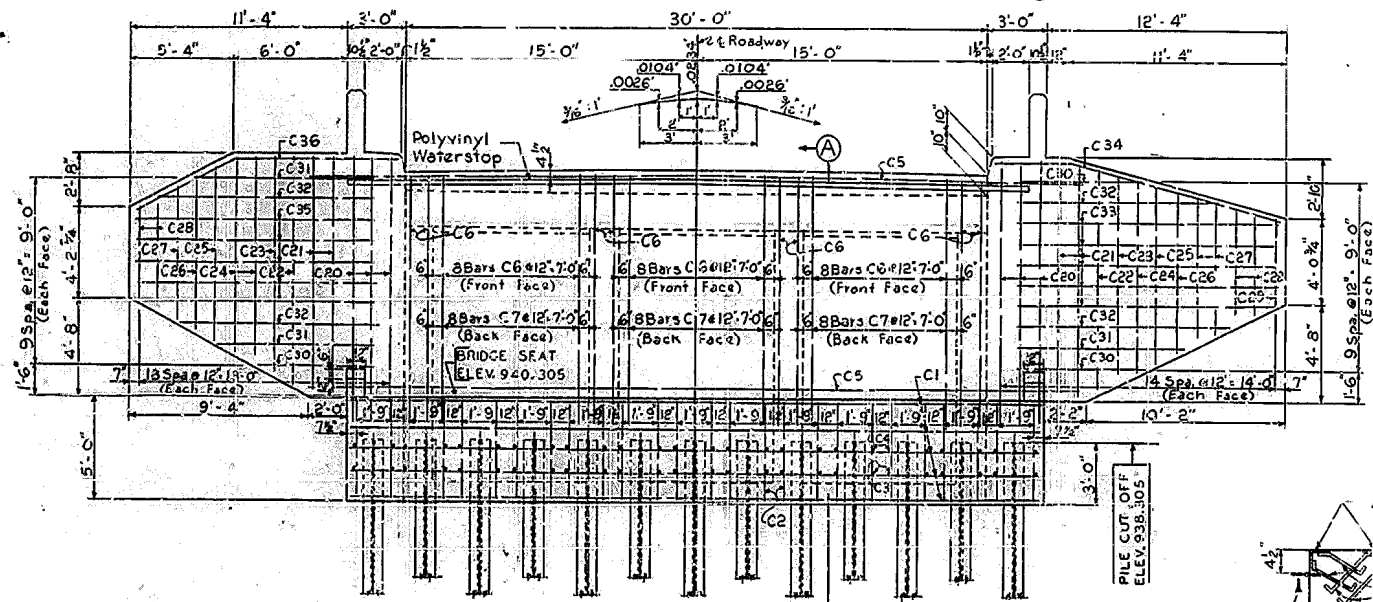
NORTH BOUND LANE

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
LEXINGTON TENNESSEE LINE
ROAD
STATION 799+36.0
BRIDGE NUMBER 1609

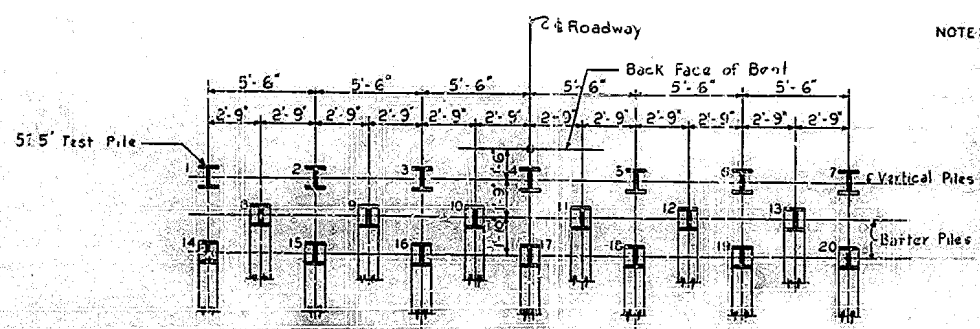




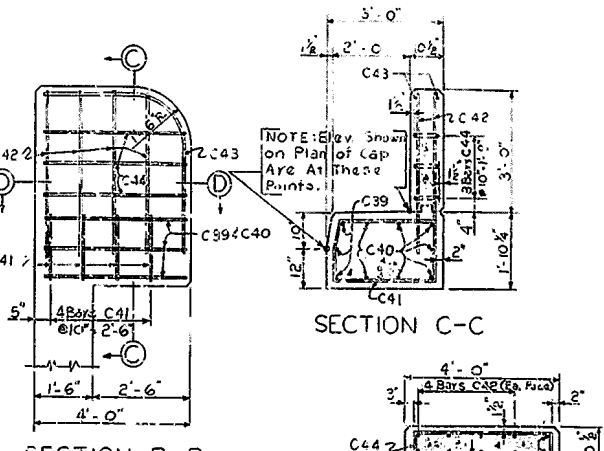
PLAN OF CAP



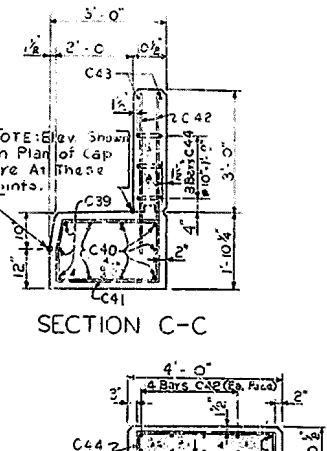
ELEVATION



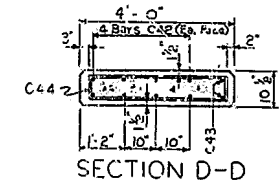
PLAN OF PILING
(DIMENSIONS ARE AT BOTTOM OF CAP)



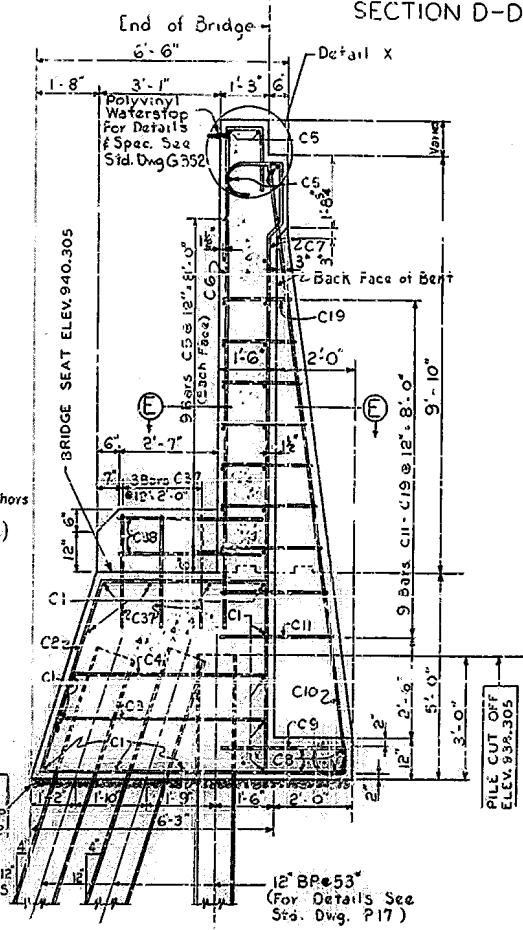
SECTION B-B



SECTION C-C



SECTION D-D

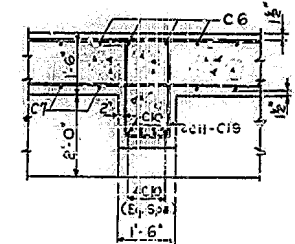


SECTION A-A

NOTE: DRESS SUBGRADE TO 2" BELOW PLAN ELEV. FOR BOTTOM OF CAP. ADD A 2" LAYER OF NO. 6 CRUSHED STONE OR GRAVEL AND TAMP THIS LAYER INTO THE SUBGRADE. PLACE 1:2 CEMENT MORTAR UP TO BOTTOM OF CAP. ELEV. SIDE FORMS FOR CAP MAY BE PLACED AS SOON AS MORTAR HAS SET A SUFF. 12" CEMENT MORTAR TO SUPPORT MEN AND FORMS WITHOUT BEING DISTURBED. THIS METHOD IS TO BE USED INSTEAD OF BOTTOM-OF-CAP FORMS AND THE COST OF THIS WORK SHALL BE INCIDENTAL TO AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS 'A' CONCRETE.

PILE RECORD				
PILE NO.	FILE CUT OFF ELEV. AS SHOWN ON PLANS	TIP OF PILE ELEVATION AS DRIVEN	PILE LENGTH IN PLACE LIN. FT.	CALCULATED BEARING CAPACITY TONS
1	938.395	946.585	51.79	REFUSAL
2		955.831	52.469	
3		947.388	51.917	
4		947.359	50.946	
5		946.362	51.743	
6		945.448	52.557	
7		944.791	53.514	
8		940.340	52.813	
9		940.000	52.718	
10		939.970	53.350	
11		939.790	53.435	
12		944.280	53.722	
13		942.170	55.926	
14		945.130	52.806	
15		945.330	52.595	
16		945.230	52.700	
17		944.650	53.312	
18		943.580	54.018	
19		941.430	55.796	
20		943.780	54.218	

NOTE: THIS PILE RECORD DOES NOT REPLACE OTHER RECORDS OF PILES REQUIRED TO BE KEPT AND SUBMITTED BY THE RESIDENT ENGINEER. AFTER ALL PILES HAVE BEEN DRIVEN THE RESIDENT ENGINEER SHALL RECORD THE TIP OF PILE ELEVATION AS DRIVEN, THE LENGTH OF PILE IN PLACE, THE CALCULATED BEARING CAPACITY OF EACH PILE, AND SHALL RETURN ONE BLUE PRINT COPY OF THIS SHEET WITH THIS DATA TO THE DIRECTOR OF BRIDGES SO THAT THE DATA MAY BE RECORDED ON THE ORIGINAL PLANS. LENGTHS OF PILES IN PLACE SHOWN HEREON ARE ACTUAL LENGTHS OF PILES IN THE FINISHED STRUCTURE BELOW CUT-OFF ELEVATION AND ARE NOT NECESSARILY PAY ITEMS.



SECTION E-E

ESTIMATE OF QUANTITIES	
CONCRETE CLASS 'A'	766 CU. YDS.
REINFORCEMENT	6,224 LBS.
FURNISHING PILES	1,191 LIN. FT.
DRIVING PILES	1,191 LIN. FT.

1-75 OVER LUMBERLAND RIVER SHEET 4

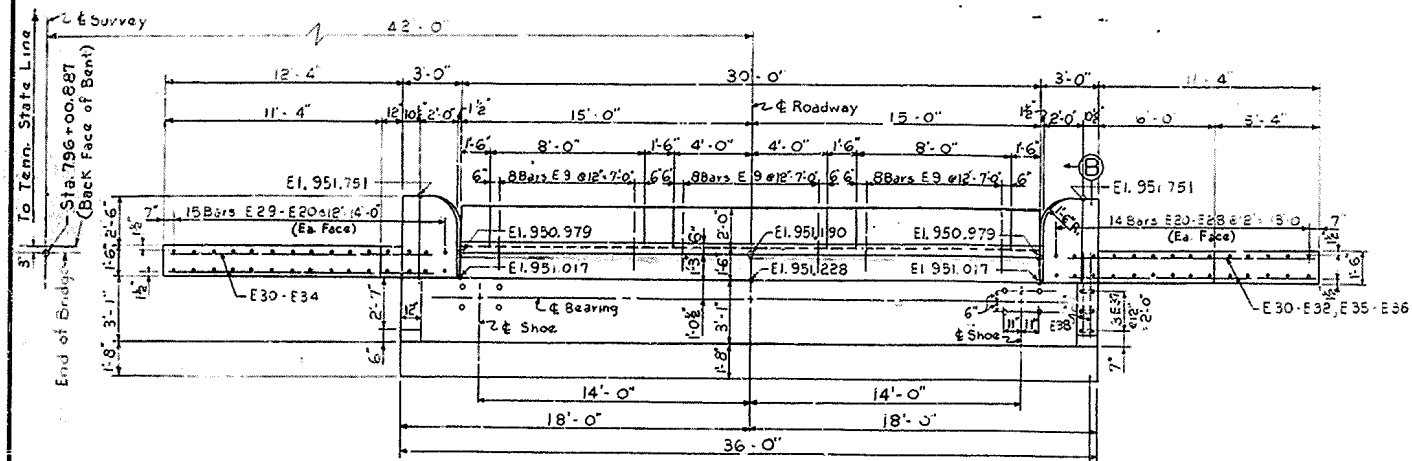
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

WHITLEY
LEXINGTON - TENN. STATE LINE

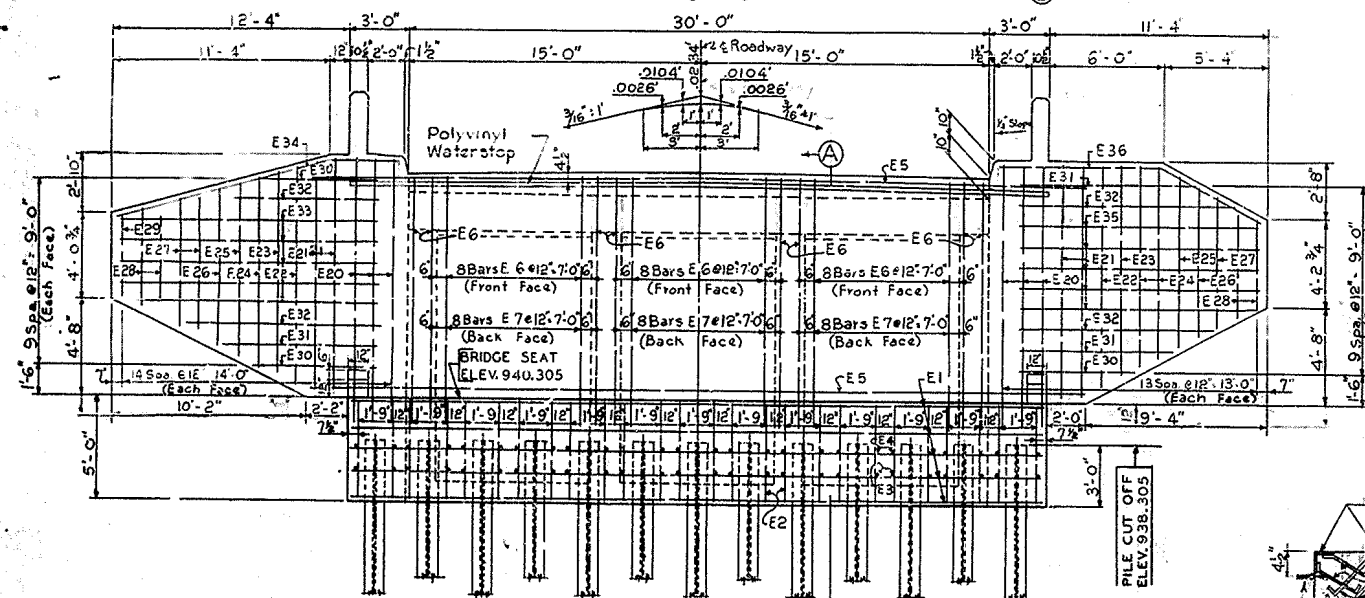
ROAD: PROJECT NO. 4-09

STATION 7+94.36

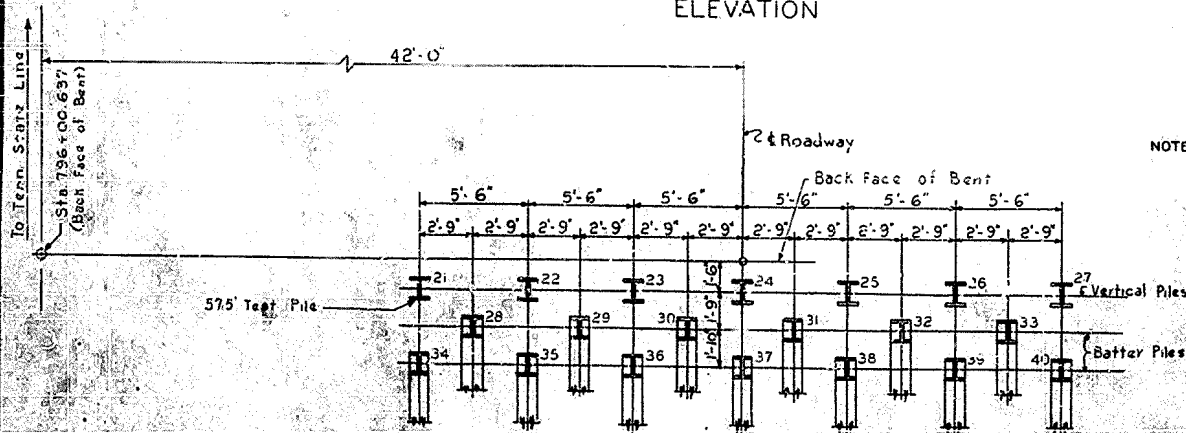
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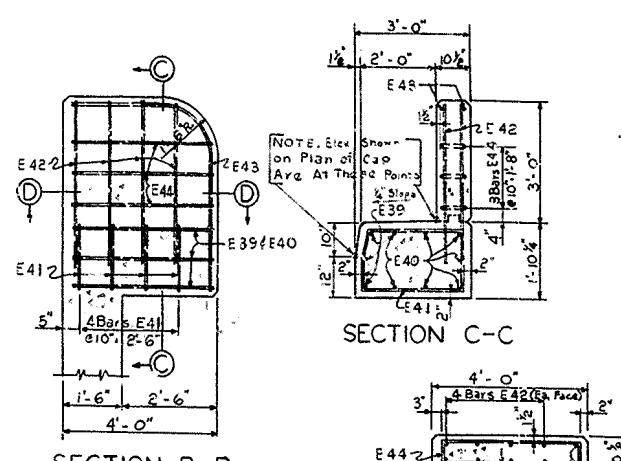
PLAN OF CAP



ELEVATION



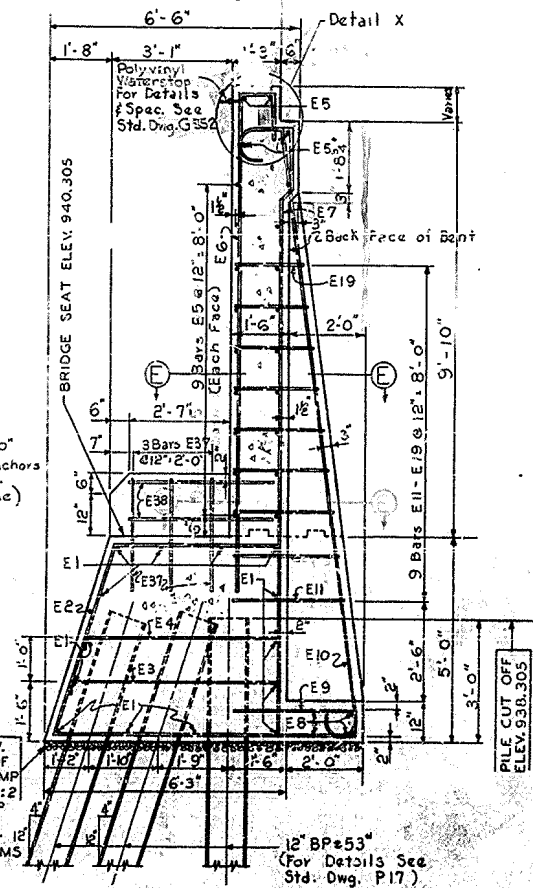
PLAN OF PILING
(DIMENSIONS ARE AT BOTTOM OF CAP)



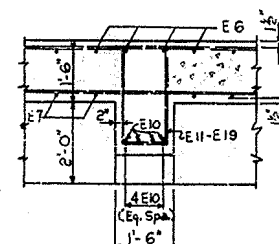
SECTION B-B

SECTION C-C

SECTION D-D



SECTION A-A



SECTION E-E

ESTIMATE OF QUANTITIES

CONCRETE CLASS 'A'	76.5 CU. YDS.
REINFORCEMENT	6,224 LBS.
FURNISHING PILES	1,191 LIN. FT.
DRIVING PILES	1,191 LIN. FT.

PILE RECORD AS BUILT

PILE NO.	PILE CUT OFF ELEV. AS SHOWN ON PLANS	TIP OF PILE ELEVATION AS DRIVEN	PILE LENGTH IN PLACE LIN. FT.	CALCULATED BEARING CAPACITY TONS
21	938.305	945.610	51.695	REFUSAL
22	"	945.100	53.205	"
23	"	946.940	51.355	"
24	"	946.670	51.635	"
25	"	946.200	52.105	"
26	"	947.330	50.975	"
27	"	945.600	52.205	"
28	"	943.260	54.777	"
29	"	939.610	59.624	"
30	"	938.530	54.763	"
31	"	939.430	53.814	"
32	"	929.750	53.477	"
33	"	940.500	53.370	"
34	"	938.520	54.773	"
35	"	938.660	54.626	"
36	"	938.020	54.246	"
37	"	939.130	54.130	"
38	"	939.450	53.793	"
39	"	944.980	52.952	"
40	"	944.320	53.660	"

NOTE: THIS PILE RECORD DOES NOT REPLACE OTHER RECORDS OF PILES REQUIRED TO BE KEPT AND SUBMITTED BY THE RESIDENT ENGINEER. AFTER ALL PILES HAVE BEEN DRIVEN THE RESIDENT ENGINEER SHALL RECORD THE TIP OF PILE ELEVATION AS DRIVEN, THE LENGTH OF PILE IN PLACE, THE CALCULATED BEARING CAPACITY OF EACH PILE, AND SHALL RETURN ONE BLUE PRINT COPY OF THIS SHEET WITH THIS DATA TO THE DIRECTOR OF BRIDGES SO THAT THE DATA MAY BE RECORDED ON THE ORIGINAL PLANS. LENGTHS OF PILES IN PLACE SHOWN HEREON ARE ACTUAL LENGTHS OF PILES IN THE FINISHED STRUCTURE BELOW CUT-OFF ELEVATION AND ARE NOT NECESSARILY PAY ITEMS.

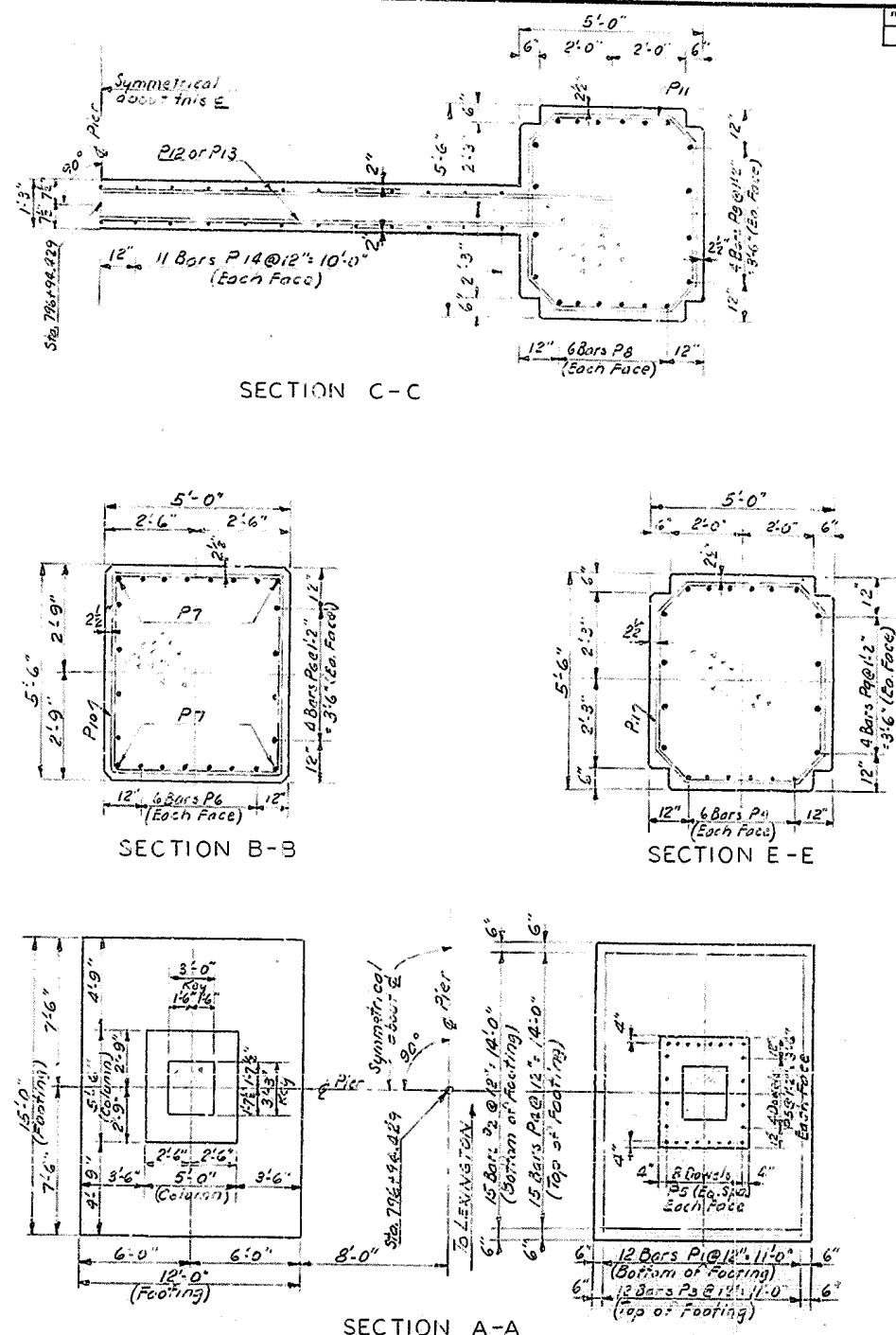
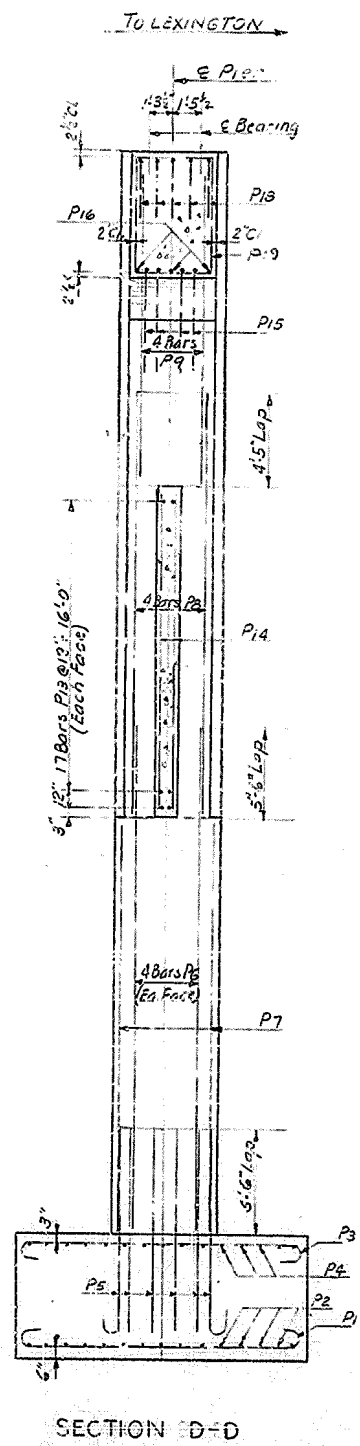
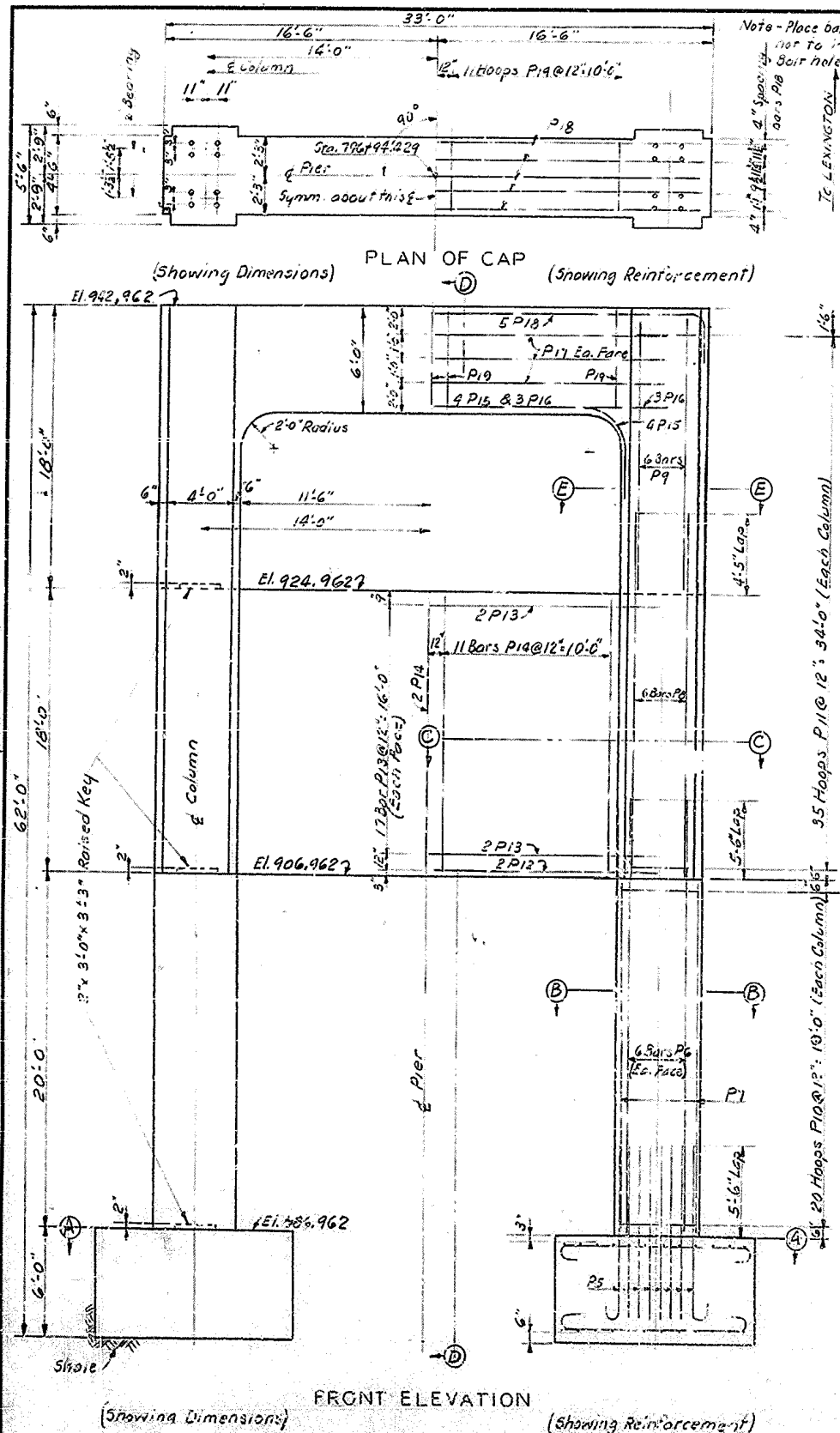
NOTE: DRESS SUBGRADE TO 2" BELOW PLAN ELEV. FOR BOTTOM OF CAP. ADD A 2" LAYER OF NO. 6 CRUSHED STONE OR GRAVEL AND TAMP THIS LAYER INTO THE SUBGRADE. PLACE 1:2 CEMENT MORTAR UP TO BOTTOM OF CAP ELEV. SIDE FORMS FOR CAP MAY BE PLACED AS SOON AS MORTAR HAS SET A SUFFICIENT TIME TO SUPPORT MEN AND FORMS WITHOUT BEING DISTURBED. THIS METHOD IS TO BE USED INSTEAD OF BOTTOM-OF-CAP FORMS, AND THE COST OF THIS WORK SHALL BE INCIDENTAL TO AND SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CLASS 'A' CONCRETE.

1-75 OVER CUMBERLAND RIVER SHEET 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
LEXINGTON - TENN. STATE LINE

ROAD PROJECT NO.
STATION 799+36 PROJECT NO.
BRIDGE NUMBER DRAWING NO. 14609

END BENT I-W



ESTIMATE OF QUANTITIES
(FOR 1 PIER)
Concrete, Class "A"
Reinforcement

233.9 Cu. Yds.
21357 Lbs.

7-75 Over Cumberland River Sheet 6

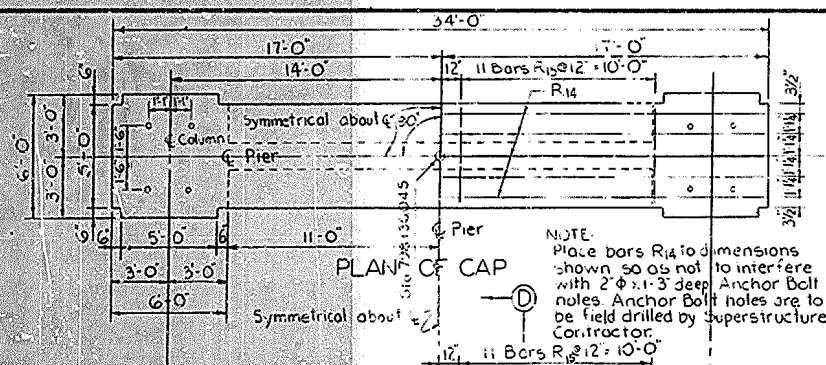
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
TRANSPORT
COUNTY OF

WHITLEY
LEXINGTON-TENNESSEE LINE

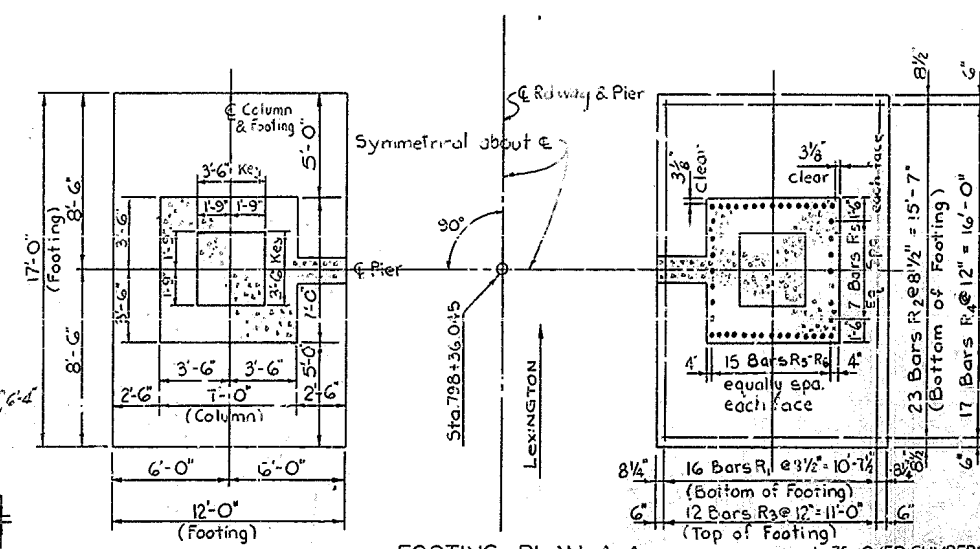
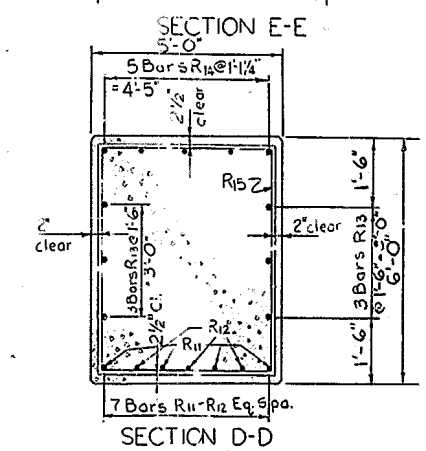
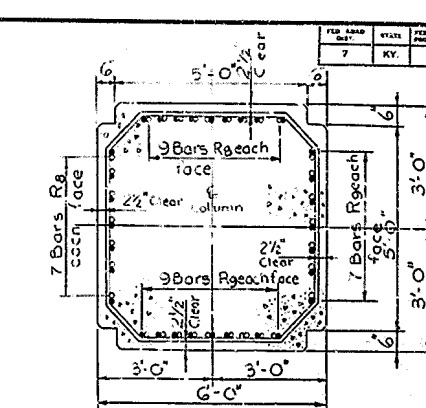
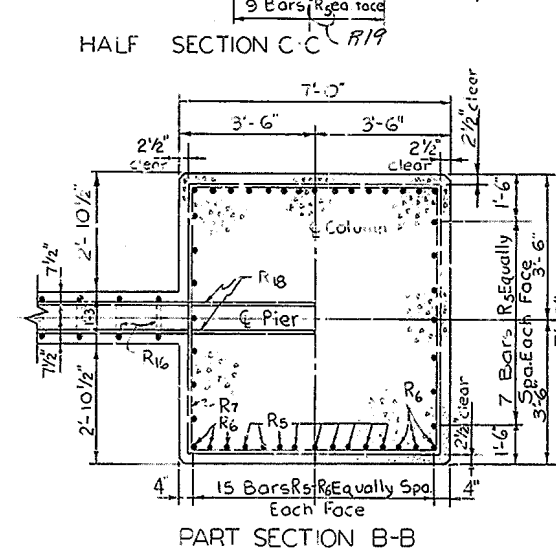
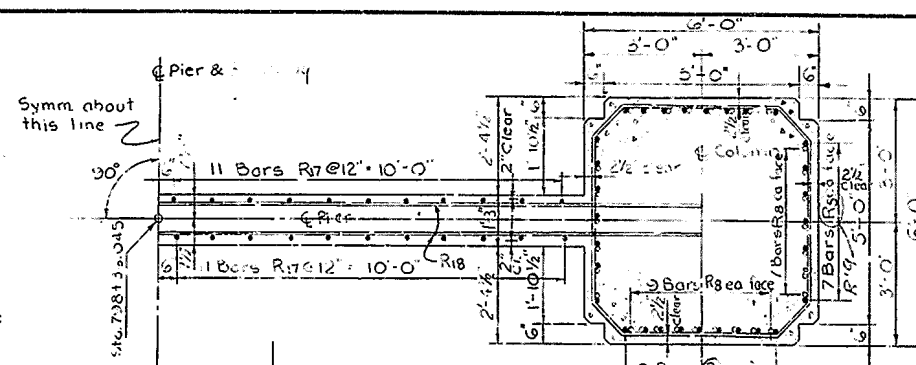
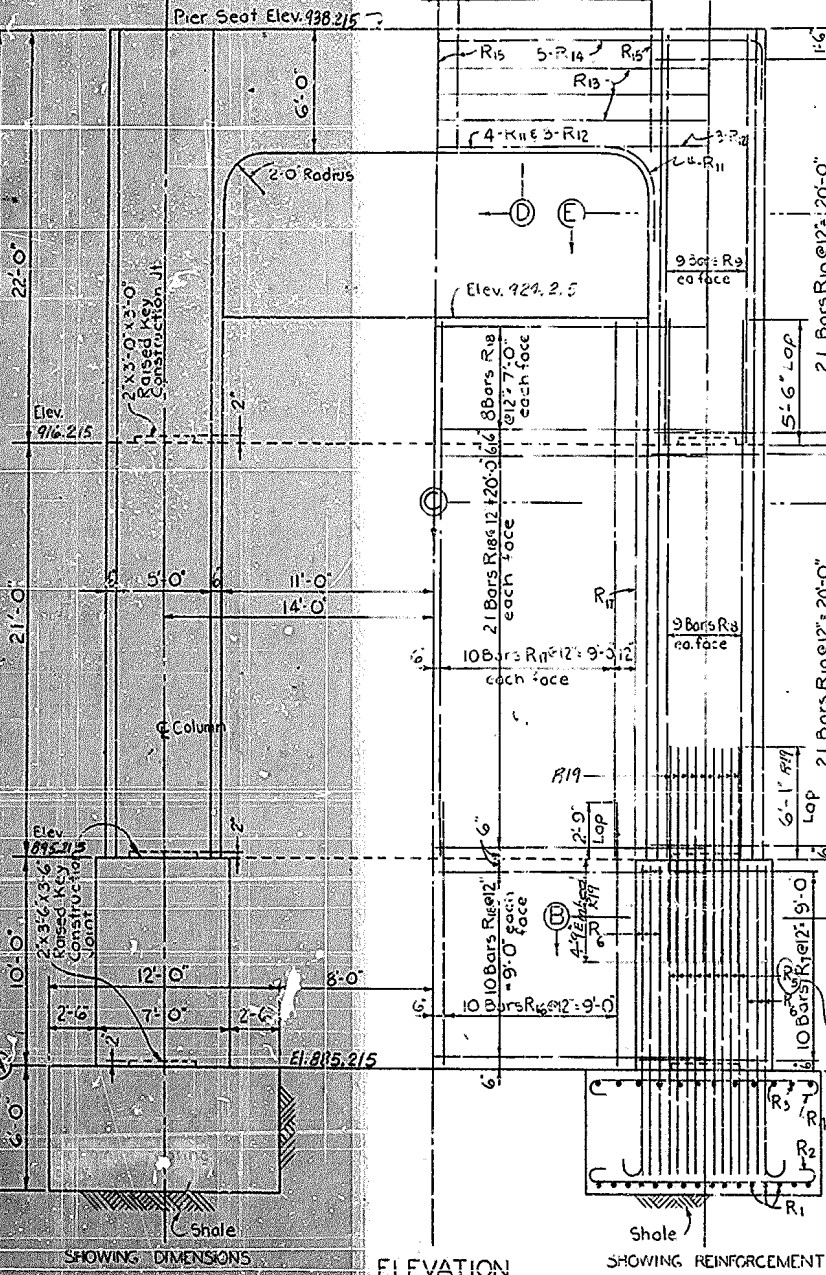
ROAD 5P118-350-2L
STATION 790+36.0 PROJECT NO.

BRIDGE NUMBER 14609

DETAILS OF PIER 1E, OR 1W.



NOTE:
Place bars R14 to dimensions shown so as not to interfere with 2' ϕ x 1-3" deep Anchor Bolt holes. Anchor Bolt holes are to be field drilled by Superstructure Contractor.
R12: 10'-0"



ESTIMATE OF QUANTITIES
CONCRETE, CLASS "A" 302.5 CU. YD.
REINFORCEMENT 37597 LB.
41221

PIER 2E

oting 1
1-75 CVER CUMBERLAND RIVER SHEET 7

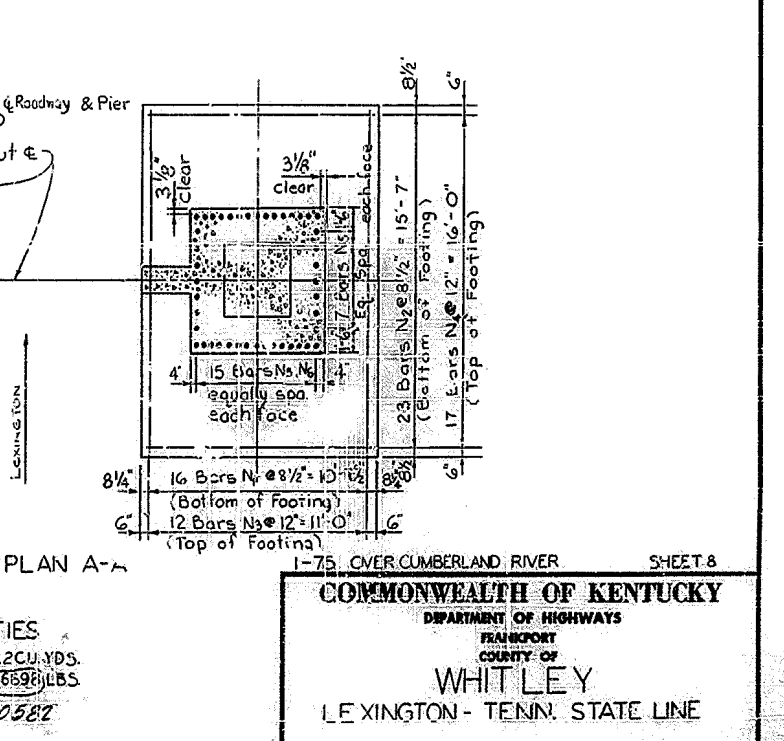
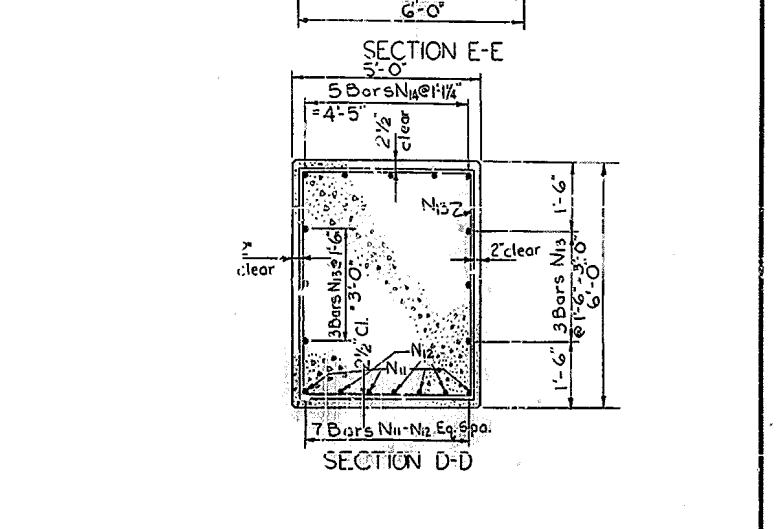
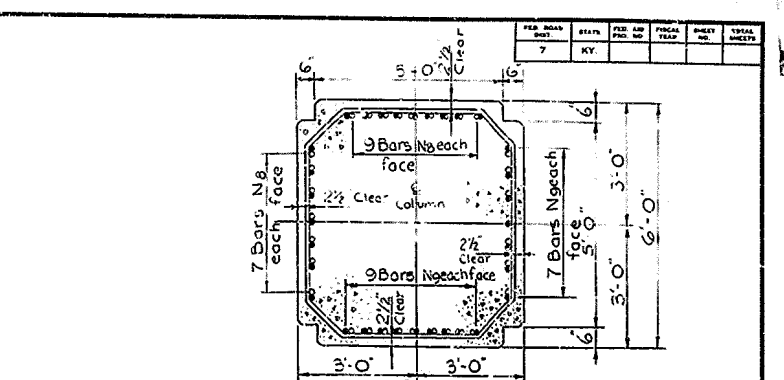
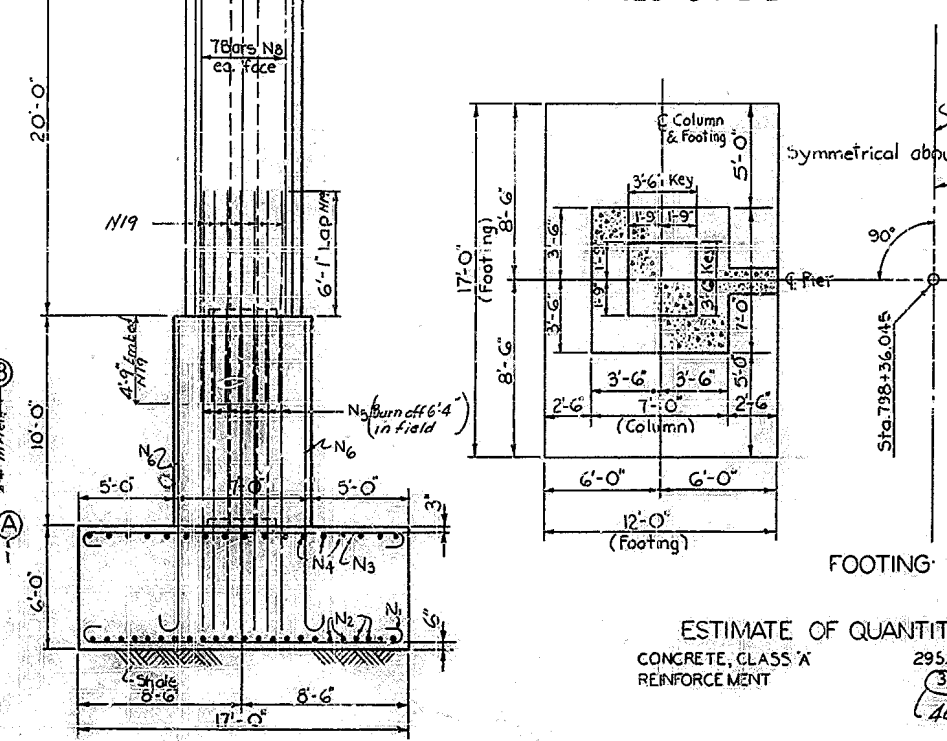
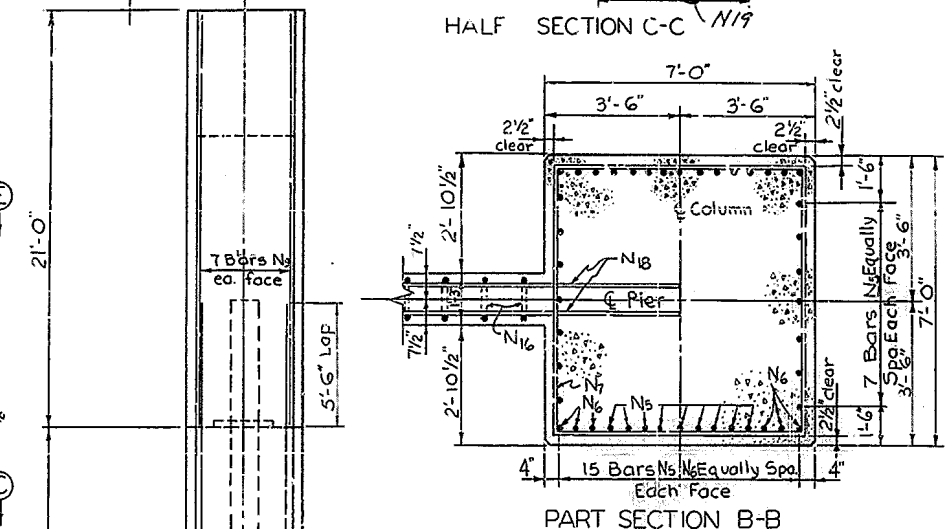
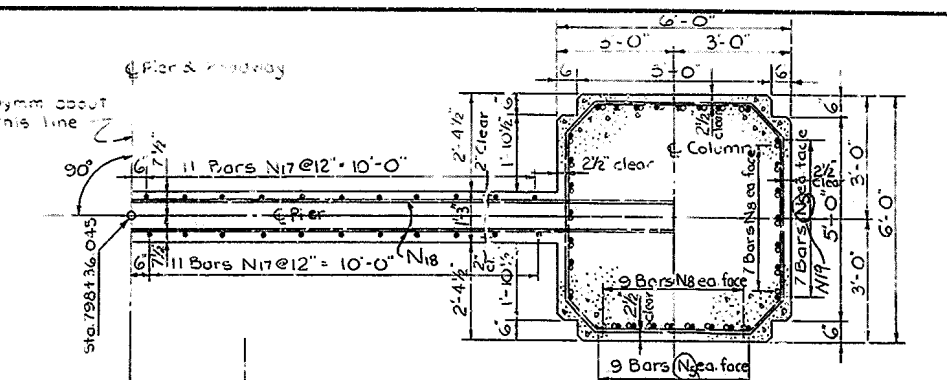
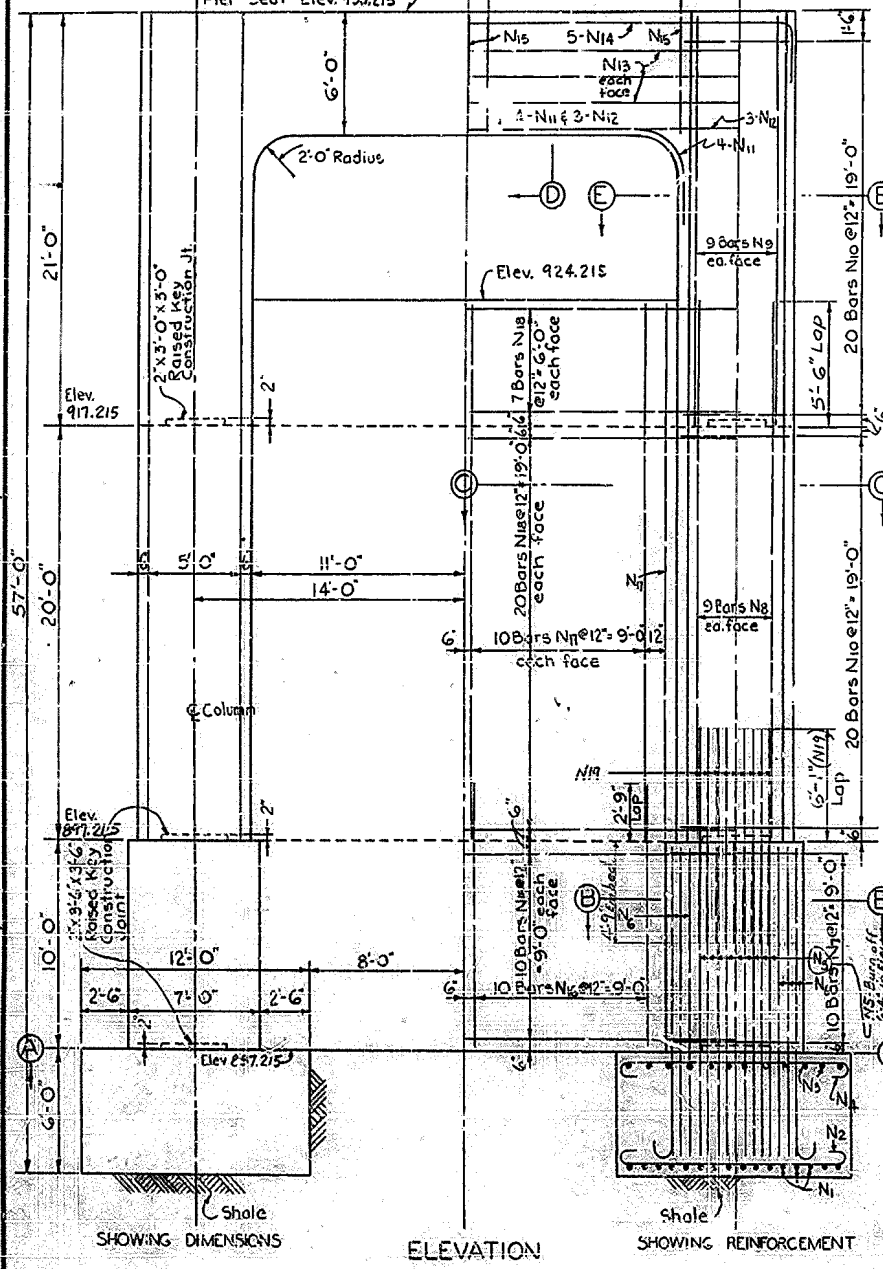
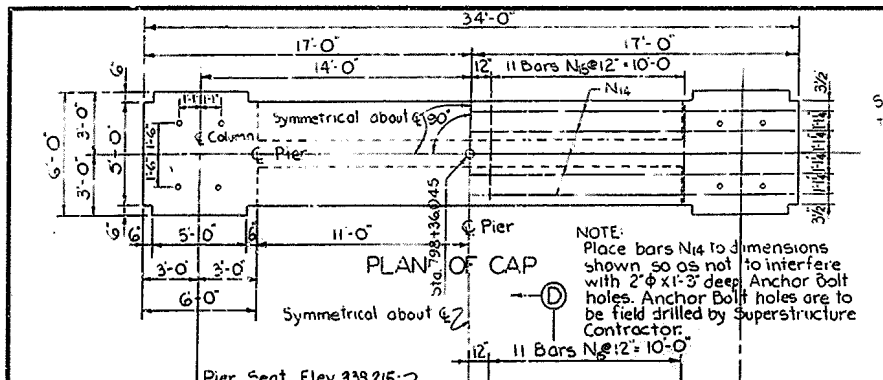
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
WHITLEY
LEXINGTON - TENN. STATE LINE

ROAD

STATION 799+35.0 **PROJECT NO.**

BRIDGE
NUMBER

1400



ESTIMATE OF QUANTITIES

CONCRETE, CLASS 'A' 295.2 CU. YDS.

REINFORCEMENT 36598 LBS.

40582

1-75 OVER CUMBERLAND RIVER SHEET 8

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

WHITLEY

LEXINGTON - TENN. STATE LINE

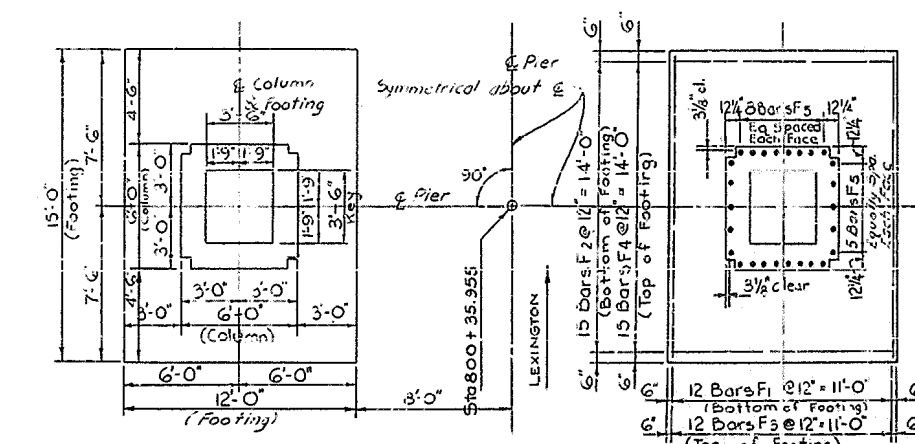
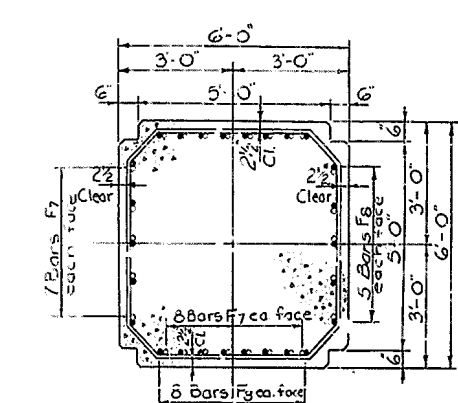
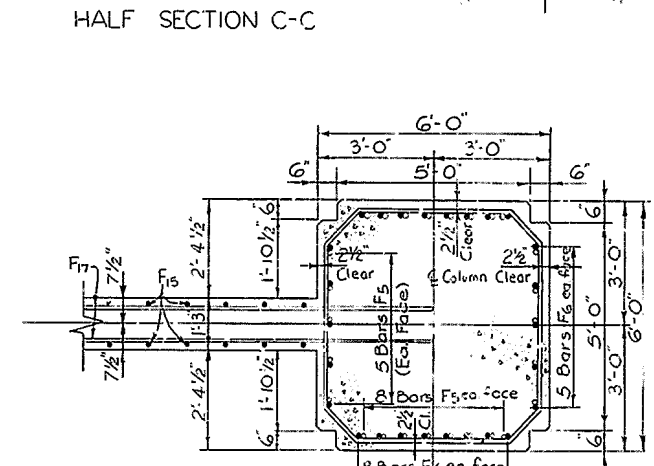
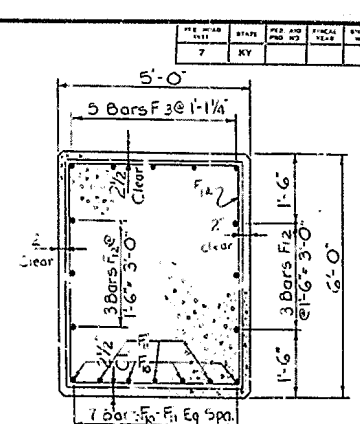
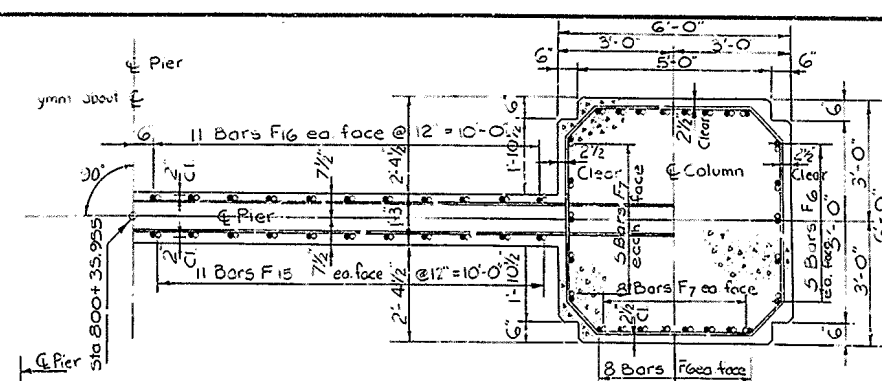
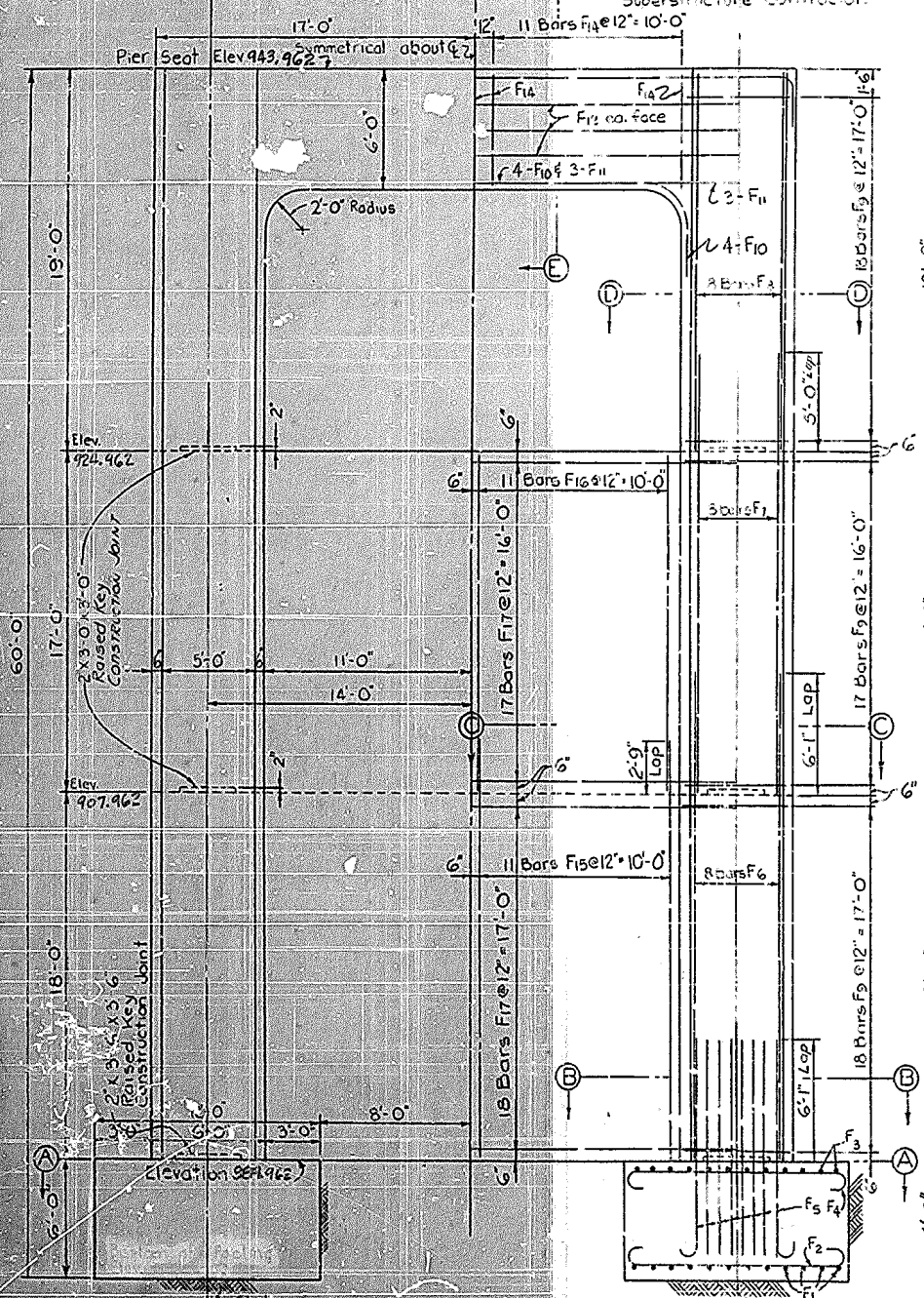
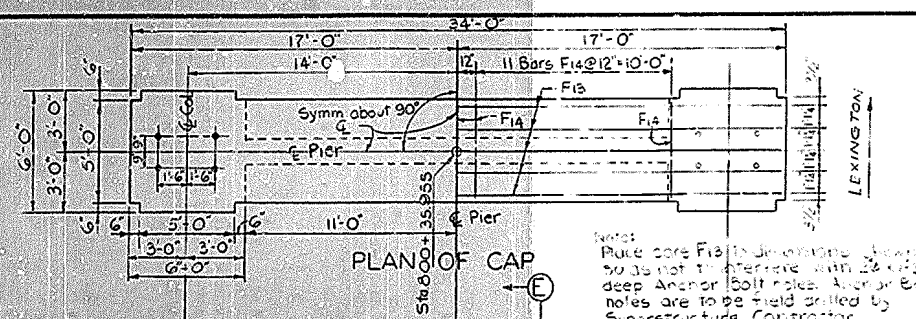
ROAD PROJECT NO.

STATION 799+36.0

BRIDGE NUMBER

NO. 14609

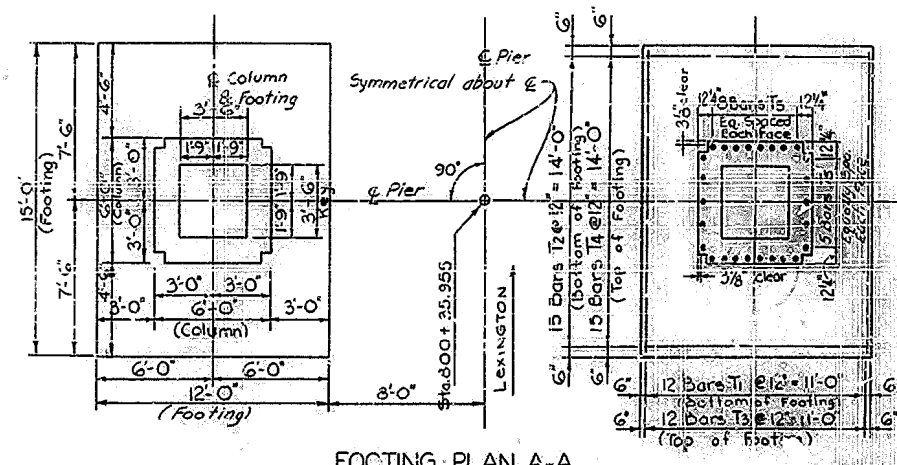
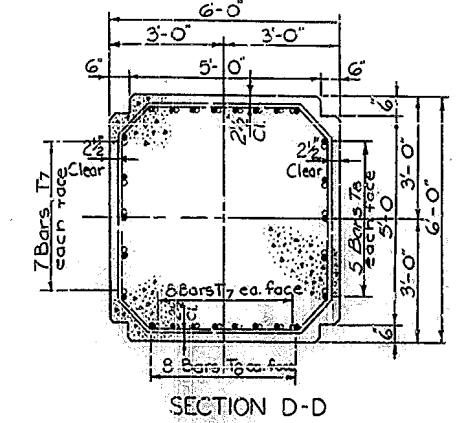
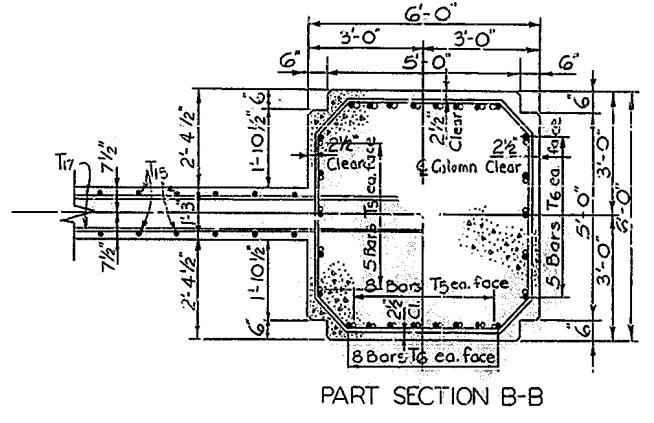
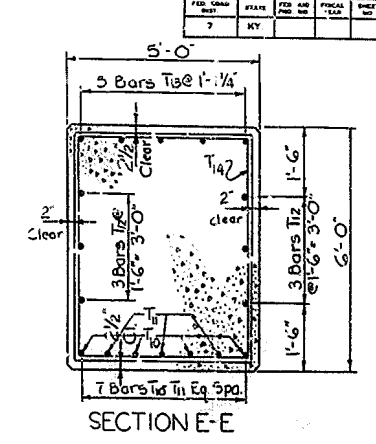
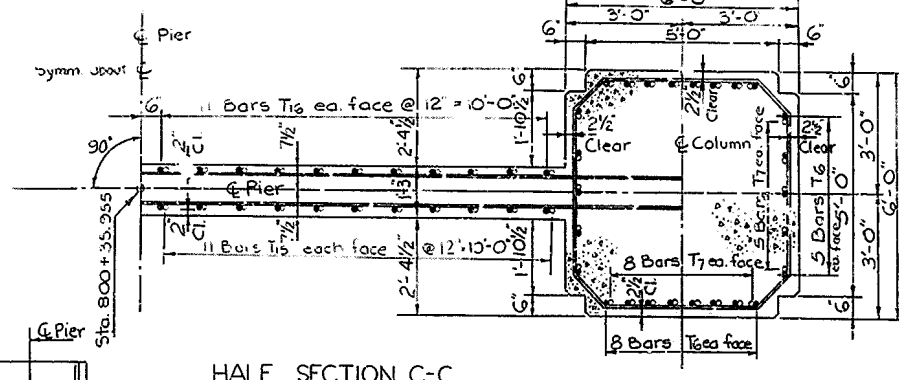
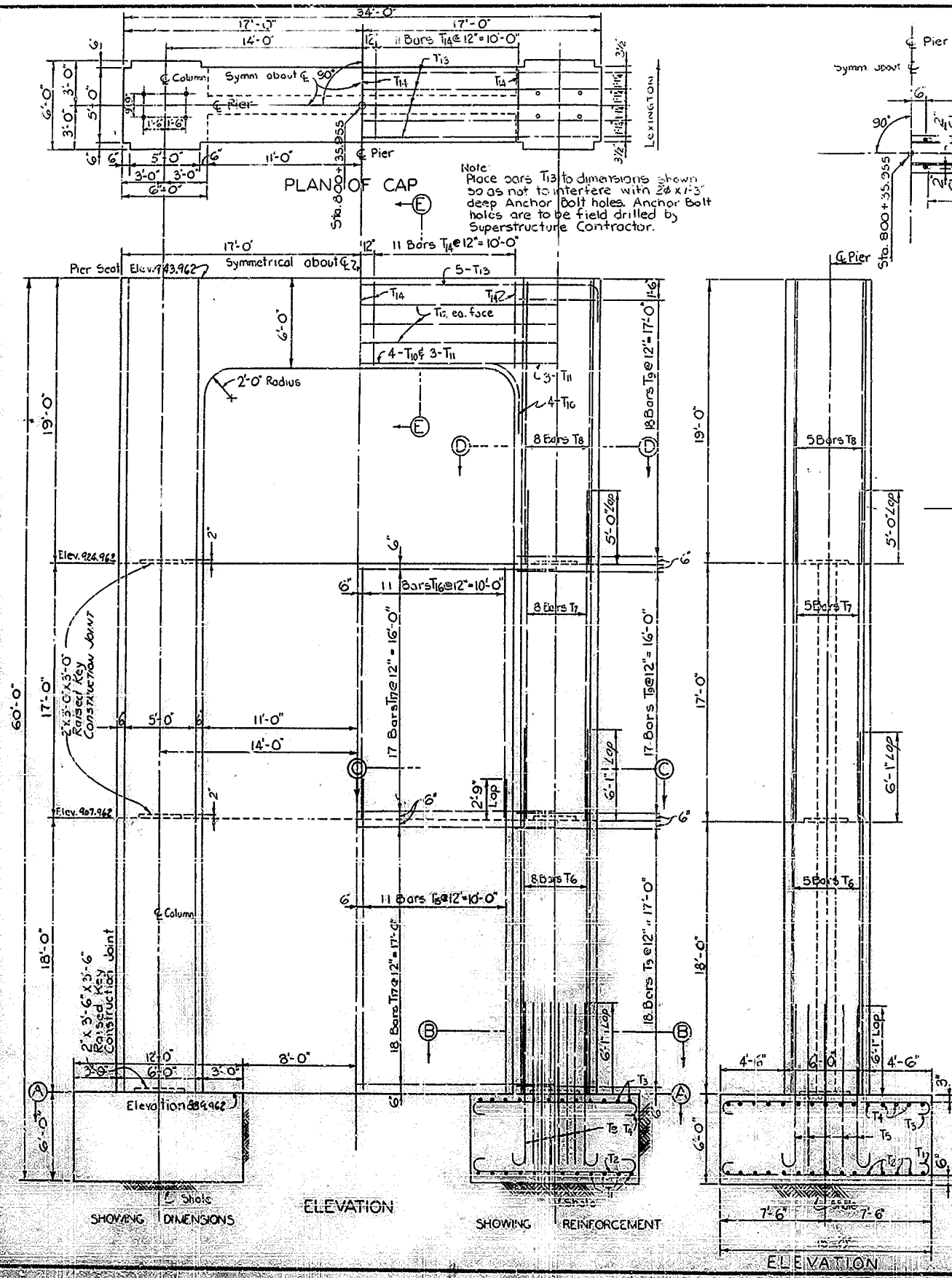
PIER 2W



ESTIMATE OF QUANTITIES
 CONCRETE CLASS "A" 296.0 CU. YDS.
 REINFORCEMENT 28893 LBS.

PIER 3E

I-75 OVER CUMBERLAND RIVER		SHEET 9
COMMONWEALTH OF KENTUCKY		
DEPARTMENT OF HIGHWAYS		
FRANKFORT		
COUNTY OF		
WHITLEY		
LEXINGTON - TENN. STATE LINE		
STATION 799 + 36.0	ROAD	PROJECT NO.
BRIDGE NUMBER	DATE	PRICE
	14609	



ESTIMATE OF QUANTITIES

CONCRETE CLASS "A"	296.0 CU. YDS.
REINFORCEMENT	28893 LBS.

I-75 OVER CLAMBERLAND RIVER SHEET 10

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY 12

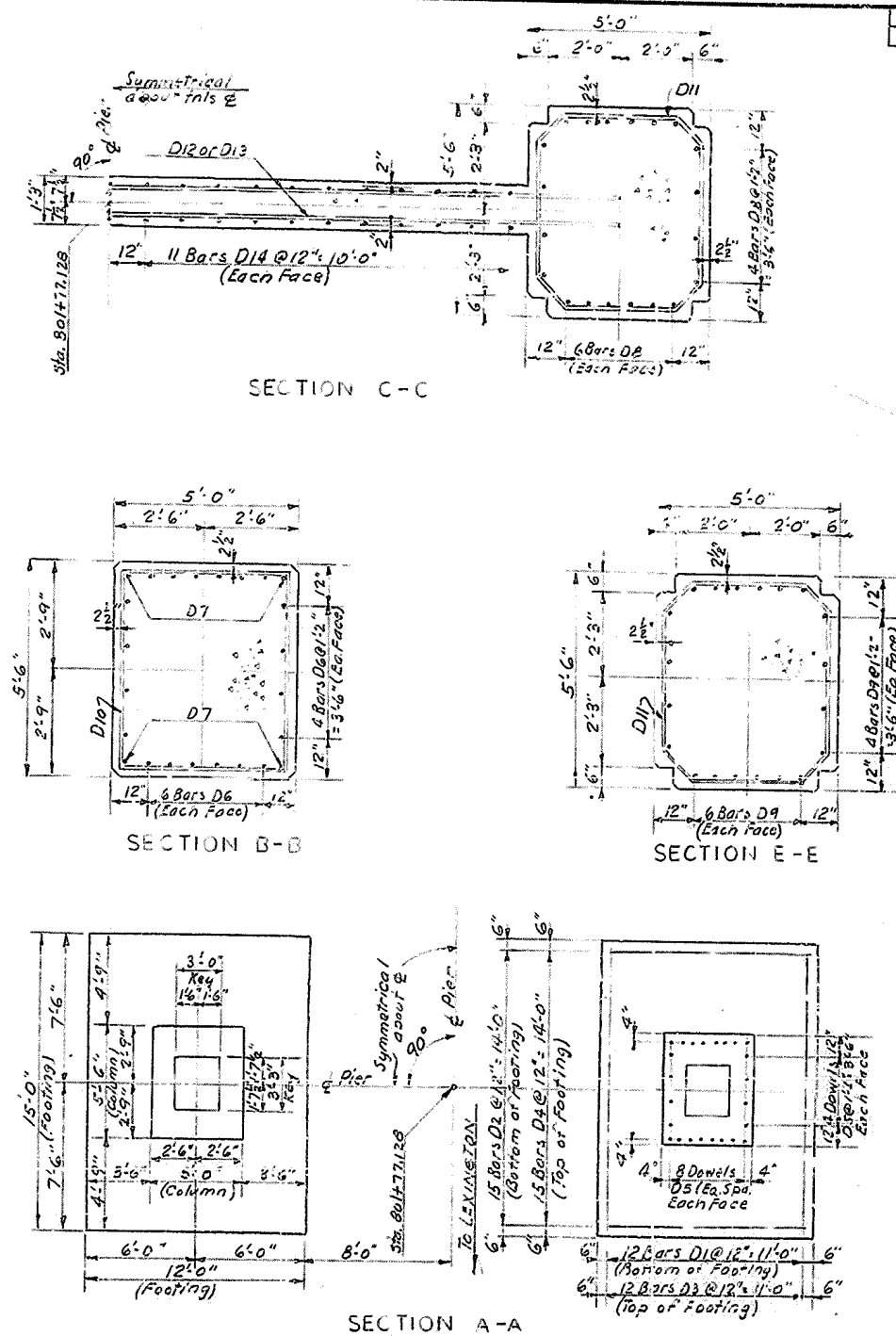
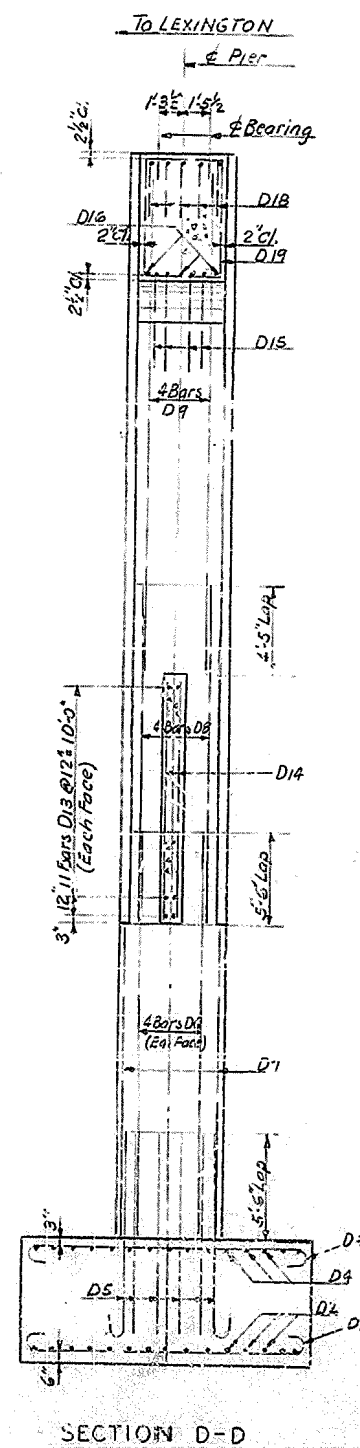
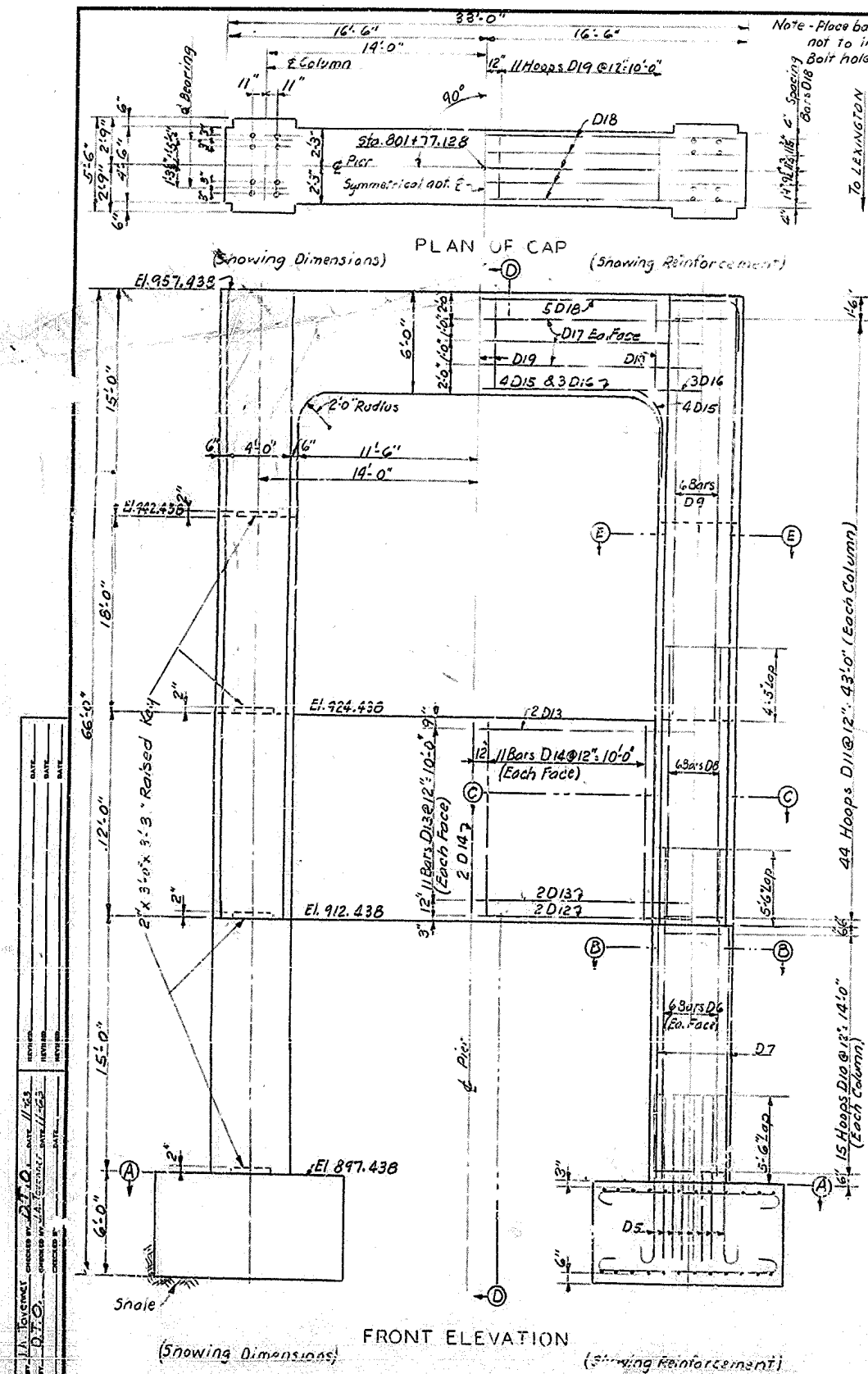
WHITLEY
 LEXINGTON - TENN. STATE LINE

ROAD PROJECT NO. 14409

STATION 799+36.0

BRIDGE NUMBER

PIER 3W



ESTIMATE OF QUANTITIES
(FOR 1 PIER)

Concrete, Class "A"	234.9 Cu. Yds.
Reinforcement	20825 Lbs.

1-75 Over Cumberland River Street 11

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

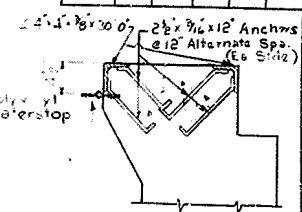
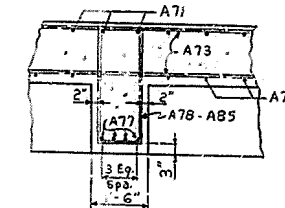
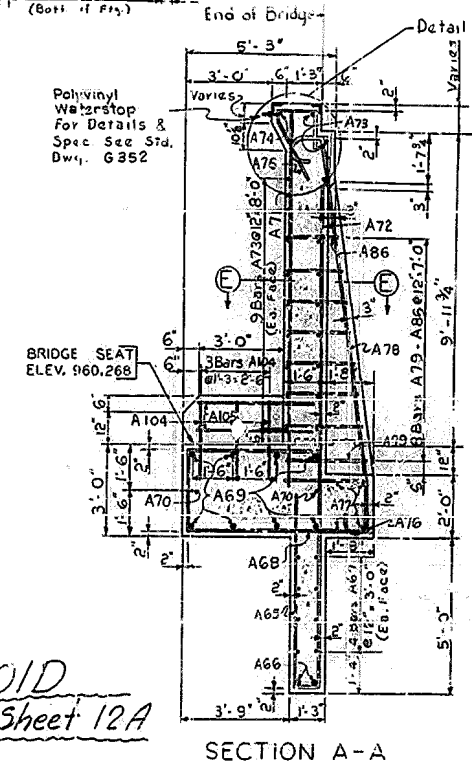
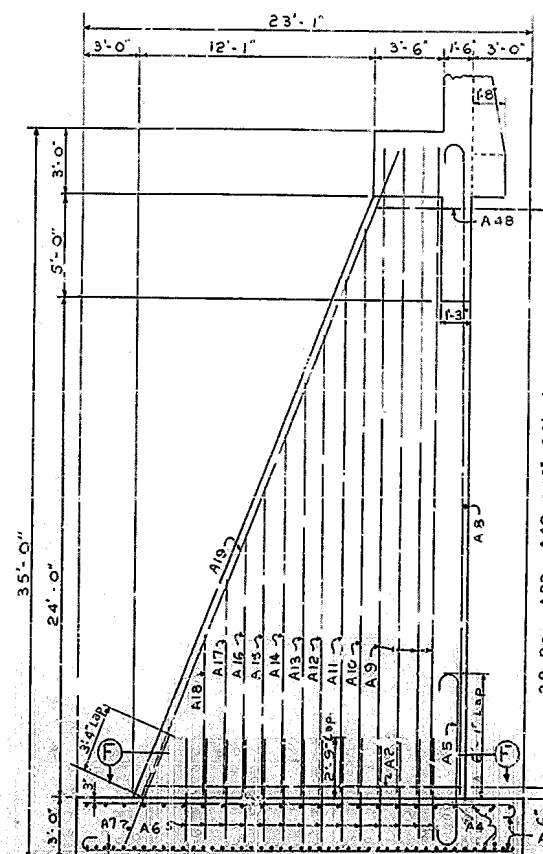
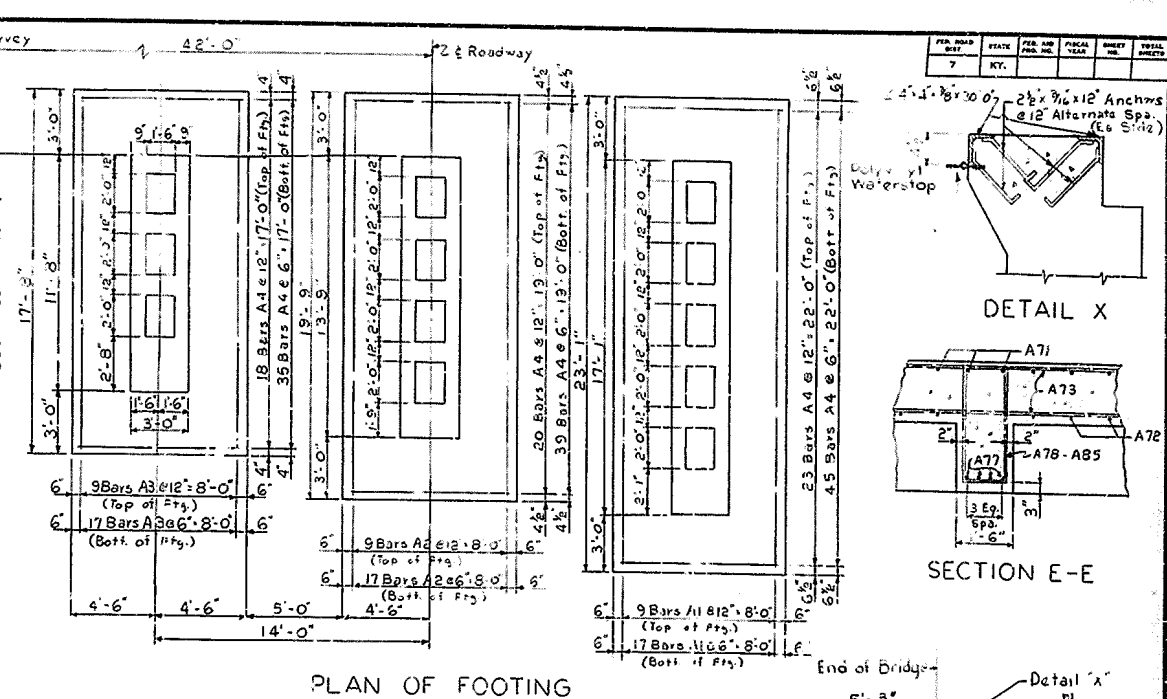
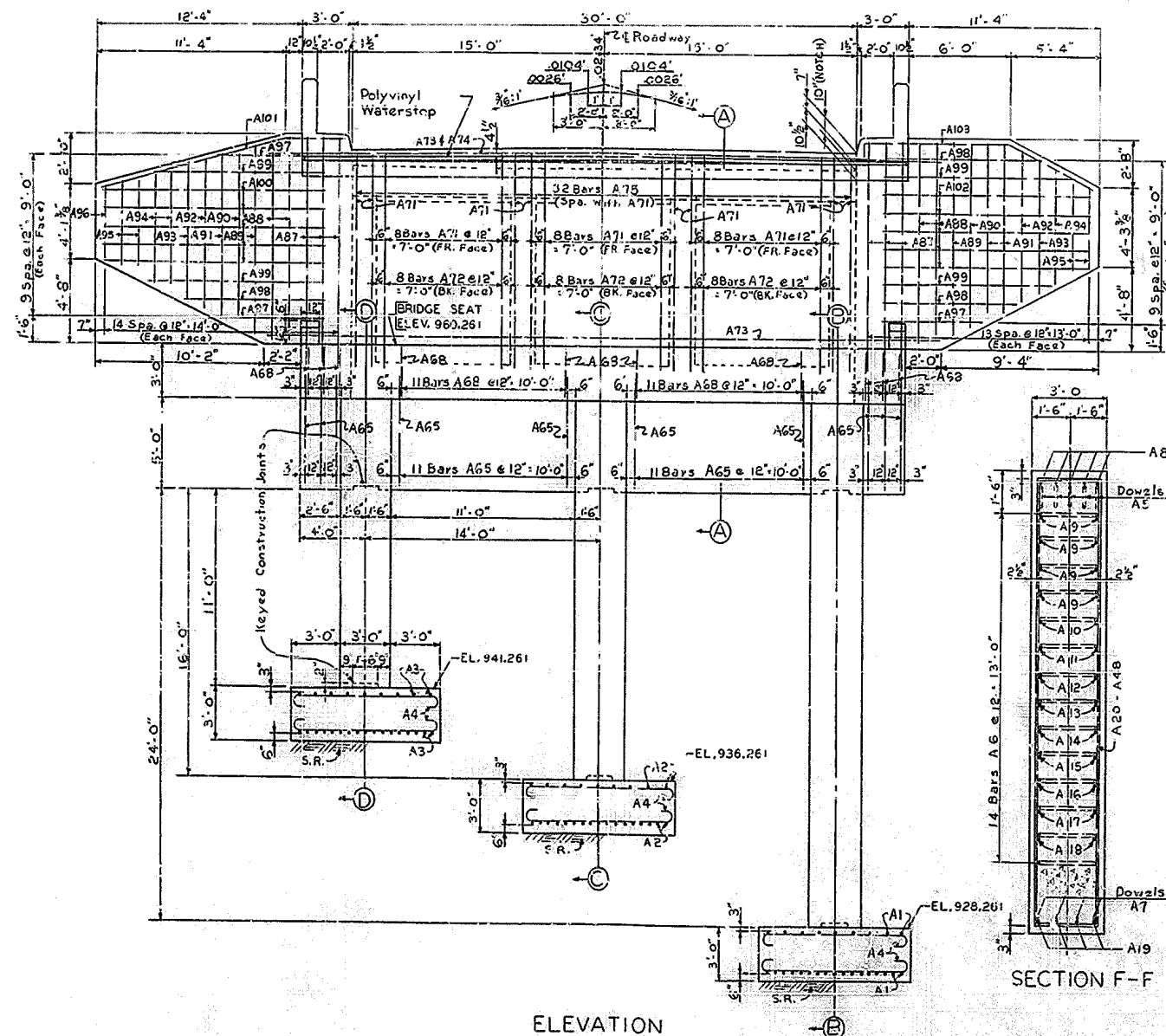
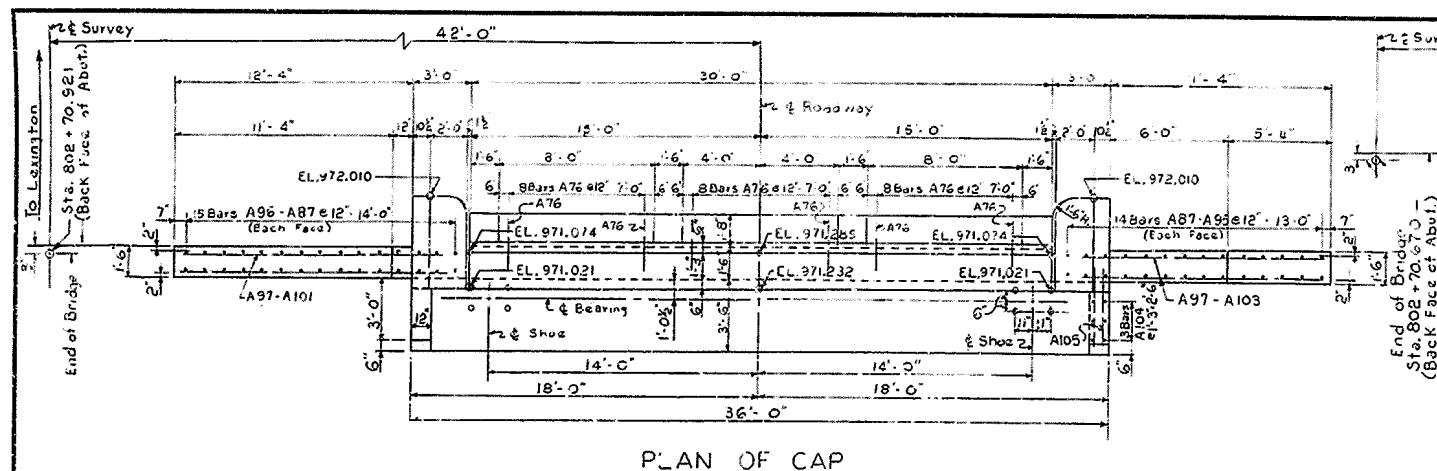
WHITLEY

LEXINGTON-TENNESSEE LINE

STATION 799+36.0 ROAD 54118-350-21

PROJECT NO.

BRIDGE NUMBER	APPROVED	DATE
	12/14/69	



VOID
See Sheet 12A

1-75 OVER CUMBERLAND RIVER

SHEET 12

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

WHITLEY

LEXINGTON - TENN. STATE LINE

ROAD

BRIDGE

STATION 799 + 36

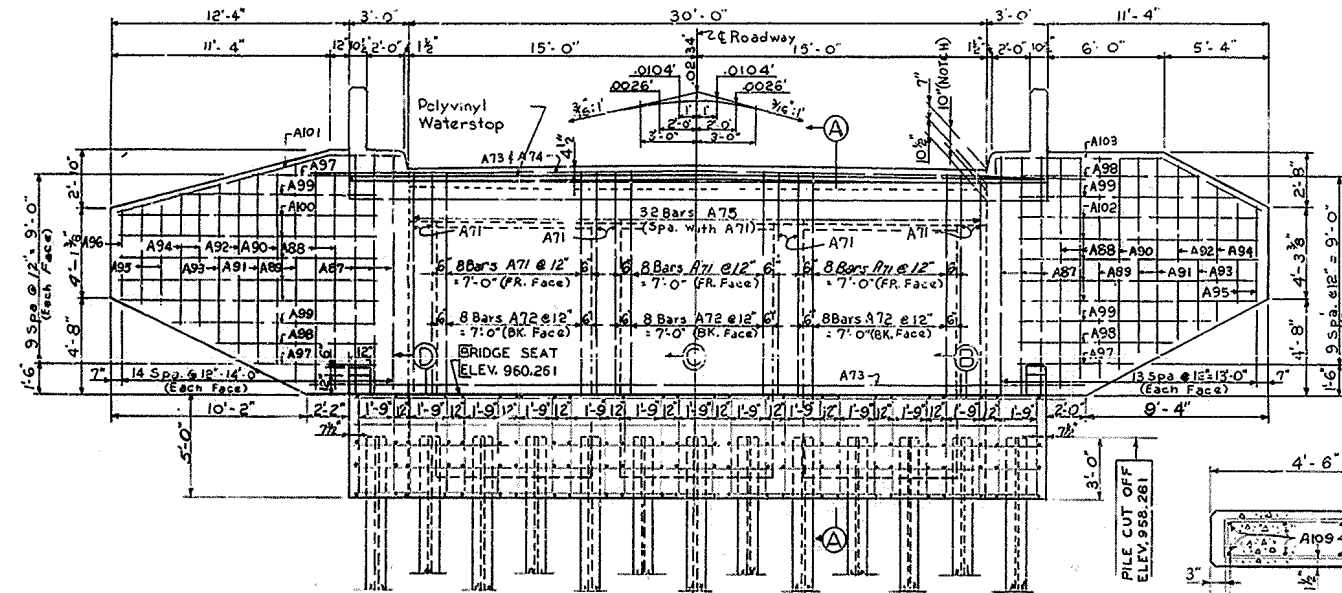
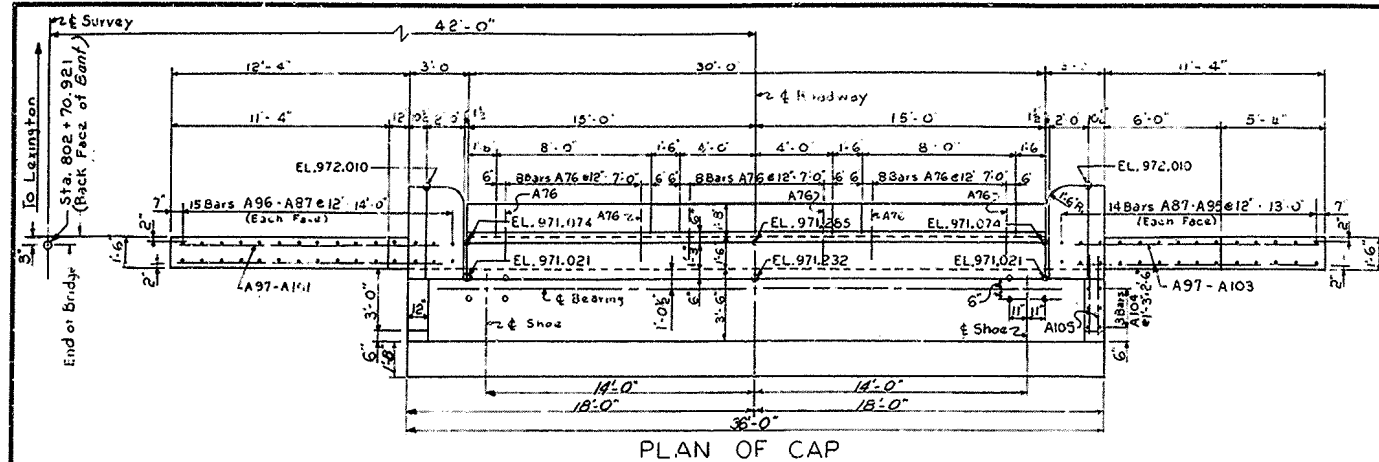
PROJECT NO.

BRIDGE NUMBER

SECTION

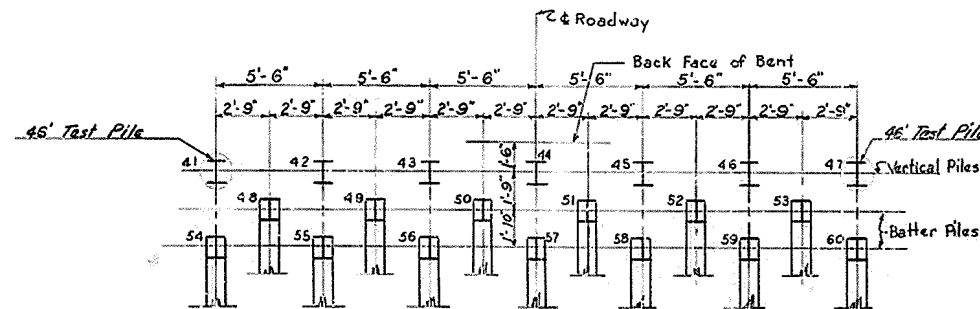
OTHER

NO. 14609



ESTIMATE OF QUANTITIES

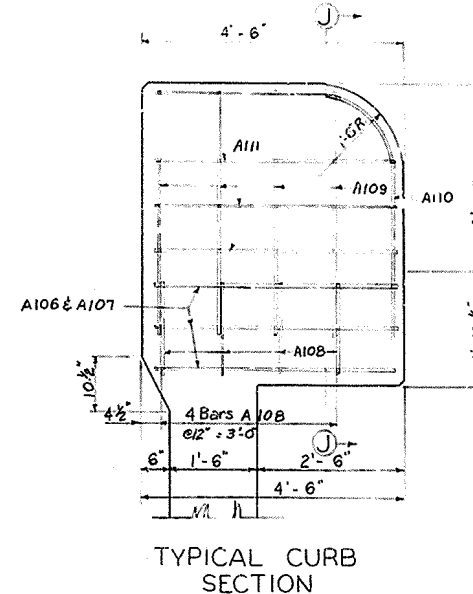
ORIGINAL REINFORCEMENT USED	5,993 LBS
NEW REINFORCEMENT ADDED	493 LBS
ORIGINAL REINFORCEMENT NOT USED	12,229 LBS
CONCRETE CLASS "A"	81.9 CU. YDS.
	201.3 CU. YDS.



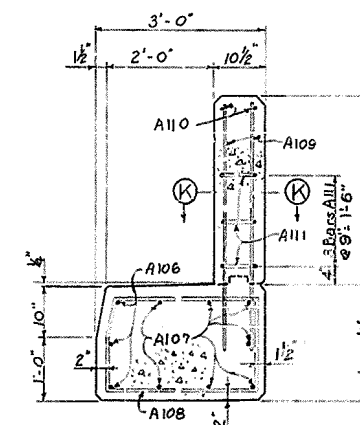
PLAN OF PILING
(DIMENSIONS ARE AT BOTTOM OF CAP)

PILE NO.	TIP OF PILE OFF ELEV.	CALCULATED BEARING CAPACITY TONS	REUSE	PILE RECORD	
				PILE LENGTH IN PLACE	AS SHOWN ON PLANS
41	938.61	970.40	28.81	34.59	35.90
42	938.61	970.40	28.81	34.59	35.90
43	938.61	970.40	28.81	34.59	35.90
44	938.61	970.40	28.81	34.59	35.90
45	938.61	970.40	28.81	34.59	35.90
46	938.61	970.40	28.81	34.59	35.90
47	938.61	970.40	28.81	34.59	35.90
48	938.61	970.40	28.81	34.59	35.90
49	938.61	970.40	28.81	34.59	35.90
50	938.61	970.40	28.81	34.59	35.90
51	938.61	970.40	28.81	34.59	35.90
52	938.61	970.40	28.81	34.59	35.90
53	938.61	970.40	28.81	34.59	35.90
54	938.61	970.40	28.81	34.59	35.90
55	938.61	970.40	28.81	34.59	35.90
56	938.61	970.40	28.81	34.59	35.90
57	938.61	970.40	28.81	34.59	35.90
58	938.61	970.40	28.81	34.59	35.90
59	938.61	970.40	28.81	34.59	35.90
60	938.61	970.40	28.81	34.59	35.90

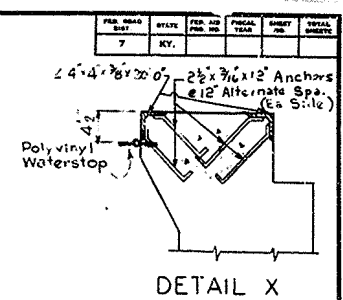
NOTE: This pile record does not replace other records of piles required to be kept and submitted by the resident engineer. After all piles have been driven the resident engineer shall record the tip of pile elevation as driven, the length of pile in place, the calculated bearing capacity of each pile, and shall return one blue print copy of this sheet with this data to the Director of Bridges so that the data may be recorded on the original plans. Lengths of piles in place shown hereon are actual lengths of piles in the finished structure below cutoff elevation and are not necessarily pay items.



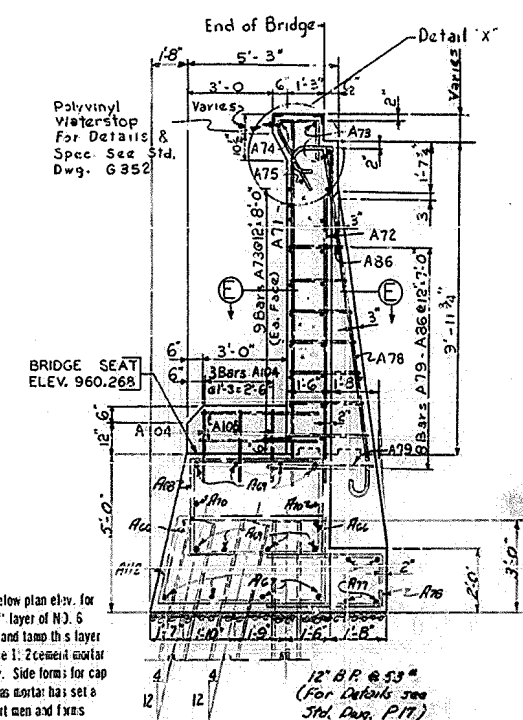
SECTION K-K



SECTION J-J



SECTION E-E



SECTION A-A

NOTE:
Dress subgrade to 2" below plan elev. for bottom of cap. Add a 2" layer of No. 6 crushed stone or gravel and tamp this layer into the subgrade. Place 1" 2 cement mortar up to bottom of cap elev. Side forms for cap may be placed as soon as mortar has set a sufficient time to support men and forms without being disturbed.
This method is to be used instead of bottom-of-cap forms and the cost of this work shall be incidental to and shall be included in the unit price bid for Class "A" Concrete.

1-75 OVER CUMBERLAND RIVER

SHEET 12A

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

TRANSPORTATION

COUNTY OF

WHITLEY

LEXINGTON - TENN. STATE LINE

STATION 799 + 36

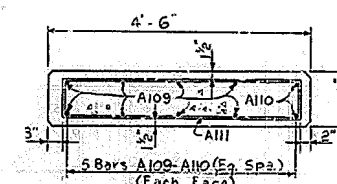
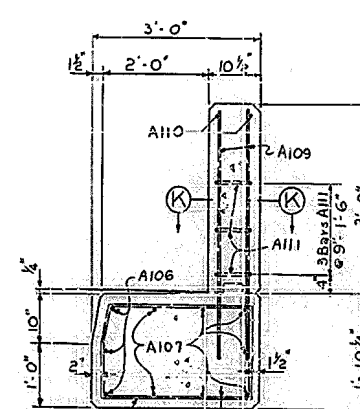
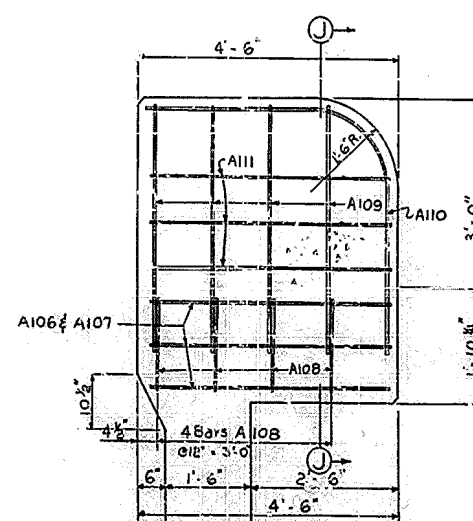
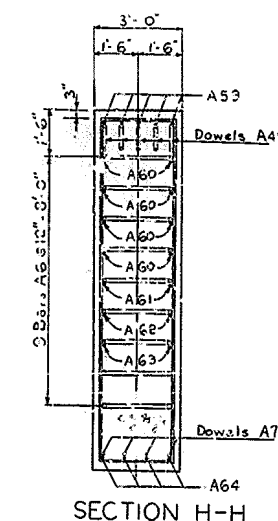
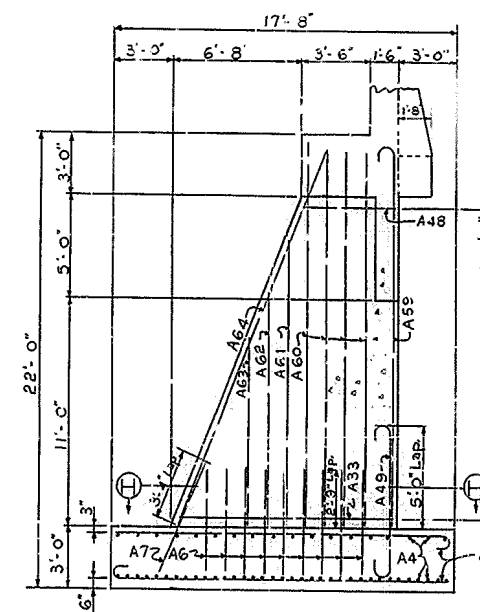
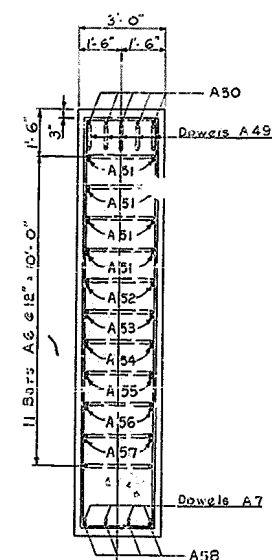
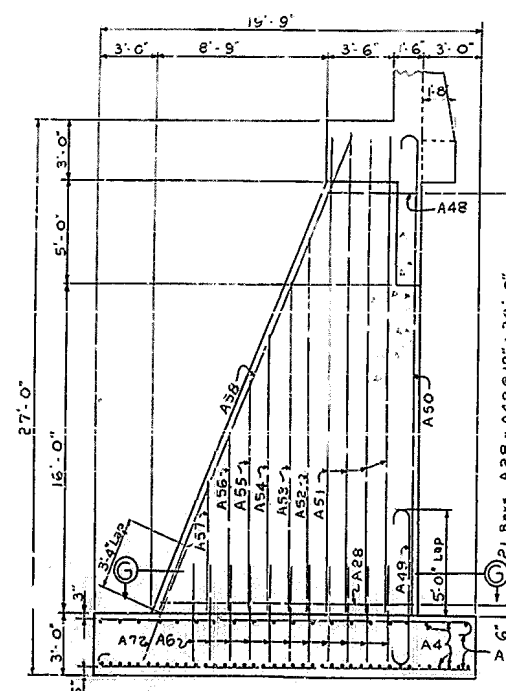
BRIDGE NUMBER

PROJECT NO.

NO. 14609

END BENT 2-E

FED. #/AB CHY	STATE	FED. AID PRO. NO.	FISCAL YEAR	SHEET NO.	VO S E
7	KY.				

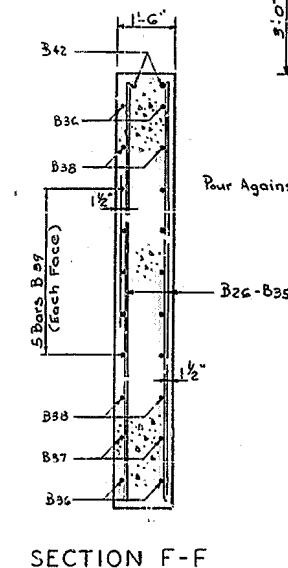
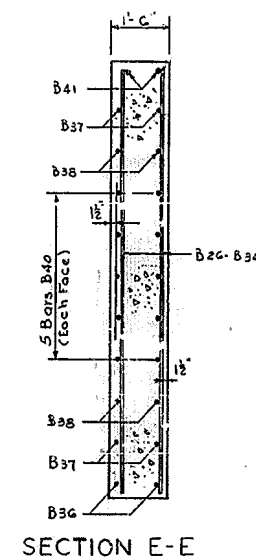
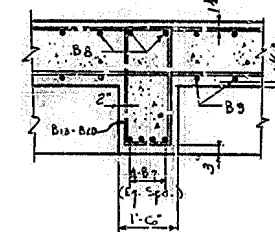
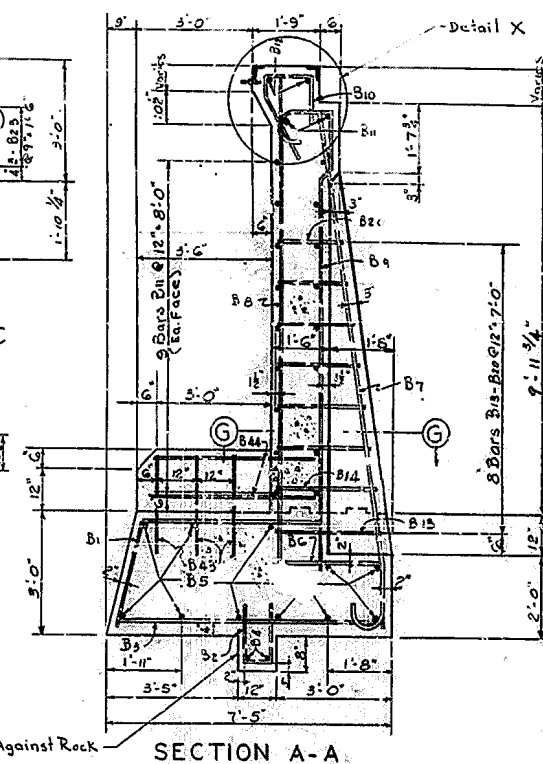
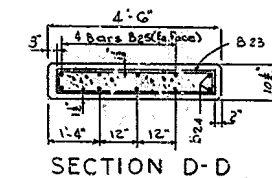
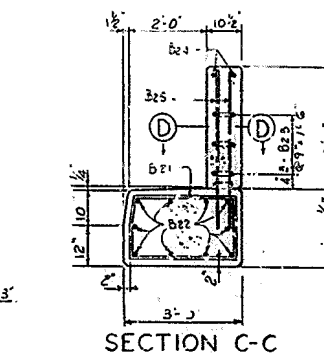
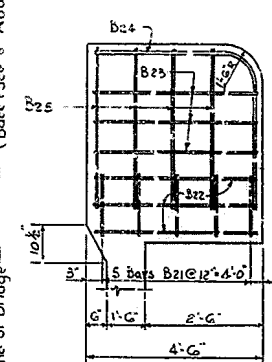
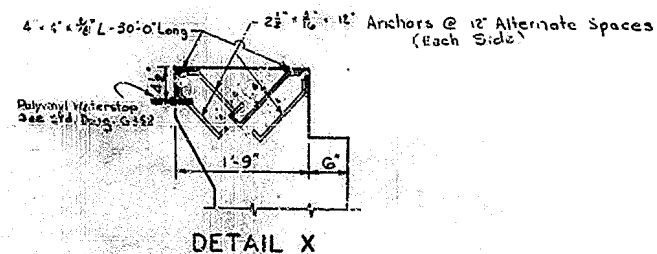
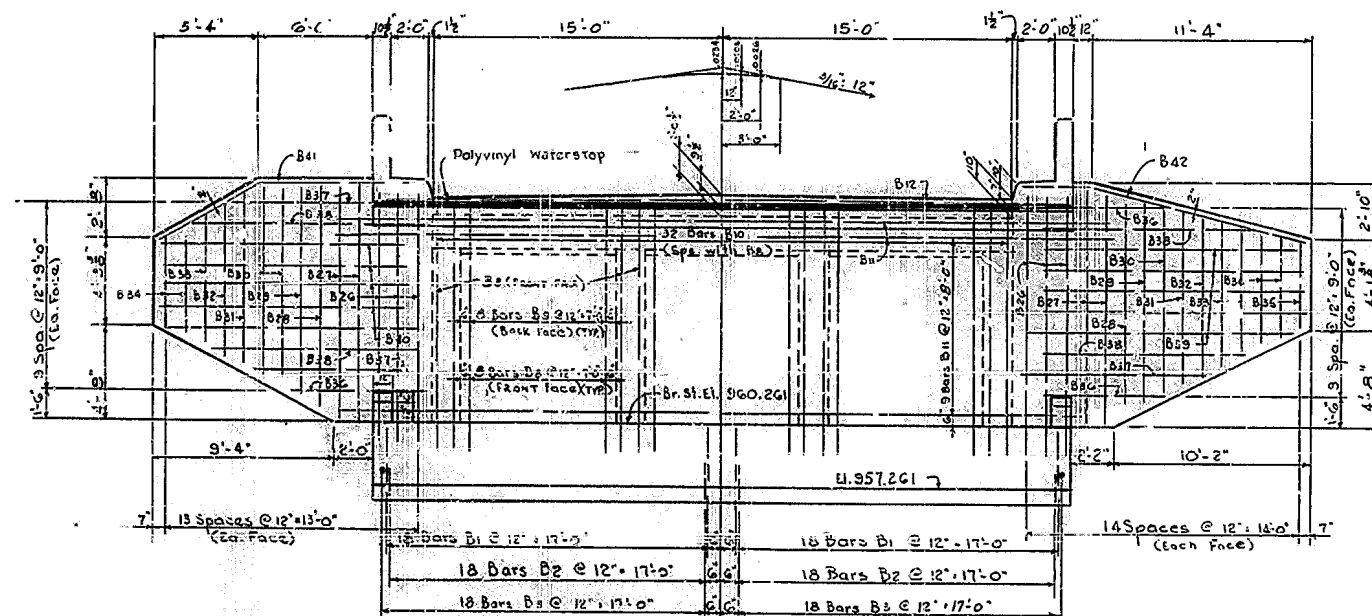
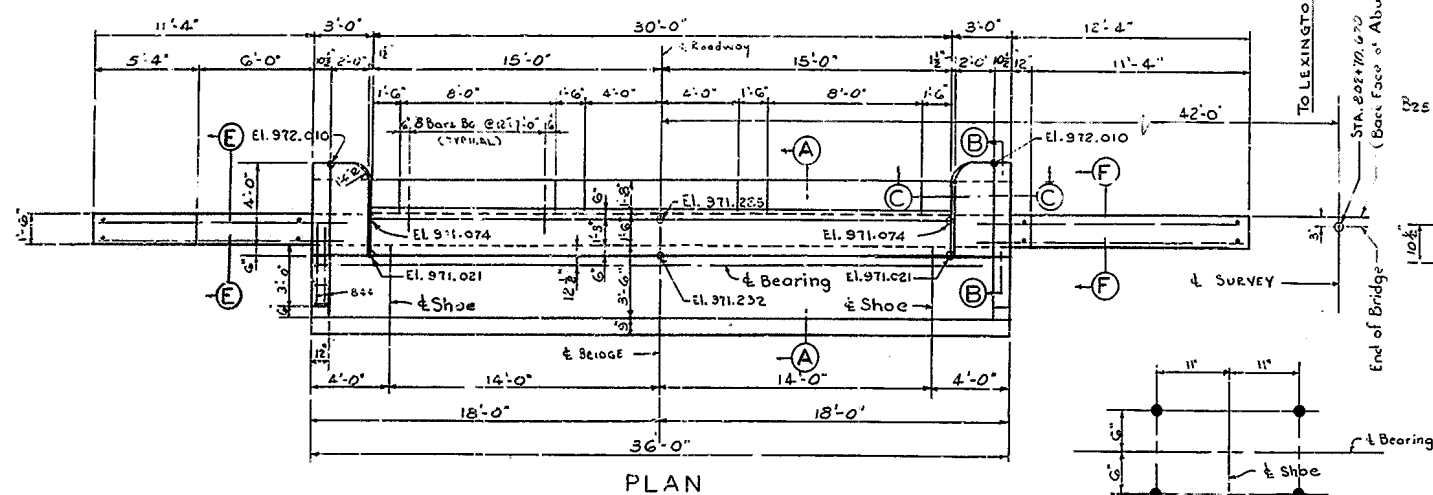


VOID
see Sheet 12A 5/19/65

ESTIMATE OF QUANTITIES

CONCRETE CLASS "A"	2013 CU. YDS.
REINFORCEMENT	18,222 LBS.

1-75 OVER CUMBERLAND RIVER		SHEET 13	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
WHITLEY			
LEXINGTON - TENN. STATE LINE			
ROAD			
STATION 799 + 36		PROJECT NO.	
BRIDGE NUMBER		DATE	POST
		14609	



ESTIMATE OF QUANTITIES
CONCRETE CLASS "A" 64.7 C.Y.
REINFORCEMENT 5,775 LB

I-75 OVER CUMBERLAND RIVER SHEET 14

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

WHITLEY

LEXINGTON - TENN. STATE LINE

STATION 799+36

STATION 799+36

PROJECT NO.

**BRIDGE
NUMBER**



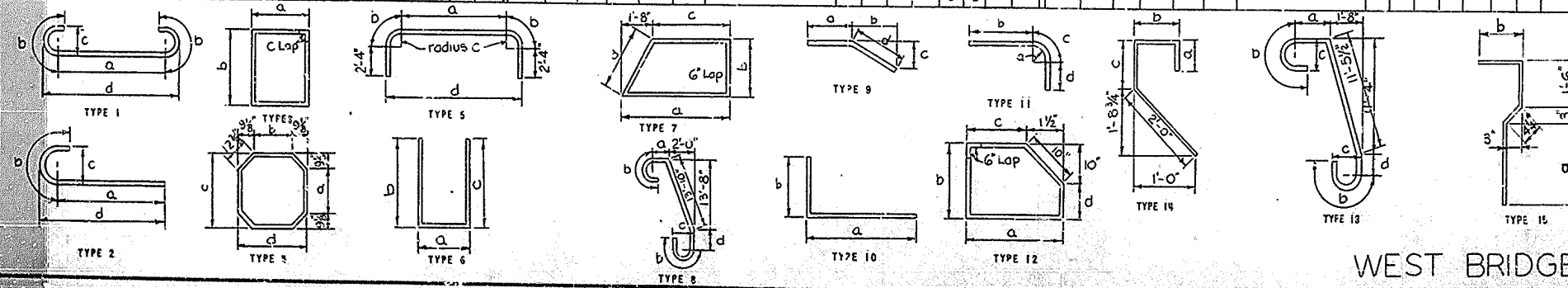
BLAWIE

1997

BILL OF REINFORCEMENT

MARK		TYPE	NO	SIZE	LENGTH	LOCATION	a				b				c				d				MARK		TYPE	NO	SIZE	LENGTH	LOCATION	a				b				c				d																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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MARK	TYPE	NO	SIZE	LENGTH		LOCATION	a		b		c		d	
				FT	IN		FT	IN	FT	IN	FT	IN		
E1	STD	14	6	35	11	CAP								
E2	7	26	5	20	7	CAP	5	11	4	8	4	3	4	
E3	6	26	5	5	5	CAP	5	5	0	3	0	3		
E4	6	26	5	5	5	CAP	5	1	0	3	0	3		
E5	STR	22	5	11	4	BACKWALL								
E6	6	32	5	13	10	BACKWALL	0	11	12	1	1	0		
E7	16	24	5	11	11	BACKWALL	9	3	0	11				
ER	STR	4	8	29	6	COUNTERFORT								
E9	6	24	5	6	6	COUNTERFORT	0	9	3	0	3	0		
E10	8	16	8	17	11	COUNTERFORT	0	8	1	6	0	10	0	
E11	3	4	4	8	9	COUNTERFORT	2	10	1	2	0	6		
E12	3	4	4	8	5	COUNTERFORT	2	8	1	2	0	6		
E13	3	4	4	8	1	COUNTERFORT	2	4	1	2	0	6		
E14	3	4	4	7	10	COUNTERFORT	2	4	1	2	0	6		
E15	3	4	4	7	7	COUNTERFORT	2	3	1	2	0	6		
E16	3	4	4	7	3	COUNTERFORT	2	1	1	2	0	6		
E17	3	4	4	6	11	COUNTERFORT	1	11	1	2	0	6		
E18	3	4	4	6	8	COUNTERFORT	1	9	1	2	0	6		
E19	3	4	4	6	3	COUNTERFORT	1	7	1	2	0	6		
E20	2	12	6	13	6	WINGS	12	6	1	0	0	12	9	
E21	STR	8	5	11	0	WINGS								
E22	STR	4	5	10	6	WINGS								
E23	STR	4	5	9	10	WINGS								
E24	STR	6	5	9	2	WINGS								
E25	STR	5	5	9	5	WINGS								
E26	STR	4	5	7	6	WINGS								
E27	STR	6	5	6	3	WINGS								
E28	STR	8	5	4	6	WINGS								
E29	STR	2	5	4	2	WINGS								
E30	STR	6	5	6	0	WINGS								
E31	STR	5	5	8	0	WINGS								
E32	STR	8	5	10	0	WINGS								
E33	STR	10	5	13	3	WINGS								
E34	9	2	5	15	0	WINGS	3	8	11	0	2	9	11	
E35	STR	10	5	12	3	WINGS								
E36	9	2	5	14	4	WINGS	8	8	5	0	2	8	5	
E37	6	6	4	5	10	HAUNCH	0	8	2	0	2	0		
E38	STR	8	4	3	8	HAUNCH								
E39	17	6	5	5	5	CURB	1	28	2	4	1	11	1	
E40	STR	19	5	3	8	CURB								
E41	12	8	5	9	0	CURB	2	8	1	6	2	6	0	
E42	STR	16	5	4	2	END POST								
E43	11	4	5	7	1	END POST	1	22	2	4	1	11	2	
E44	3	6	5	9	2	END POST	3	7	0	7	0	6		
P1	1	25	8	16	10	BOTTOM OF FOOTING	13	10	1	6	0	10	14	
P2	1	30	8	13	10	BOTTOM OF FOOTING	10	10	1	6	0	10	18	
P3	1	29	6	16	2	TOP OF FOOTING	14							



WEST BRIDGE

1-75 OVER CUMBERLAND RIVER

SHEET 16

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

WHILE

LEXINGTON - TENN. STATE LINE

ROAD SP 118-350-22

STATION 799+36.0

BRIDGE
NUMBER

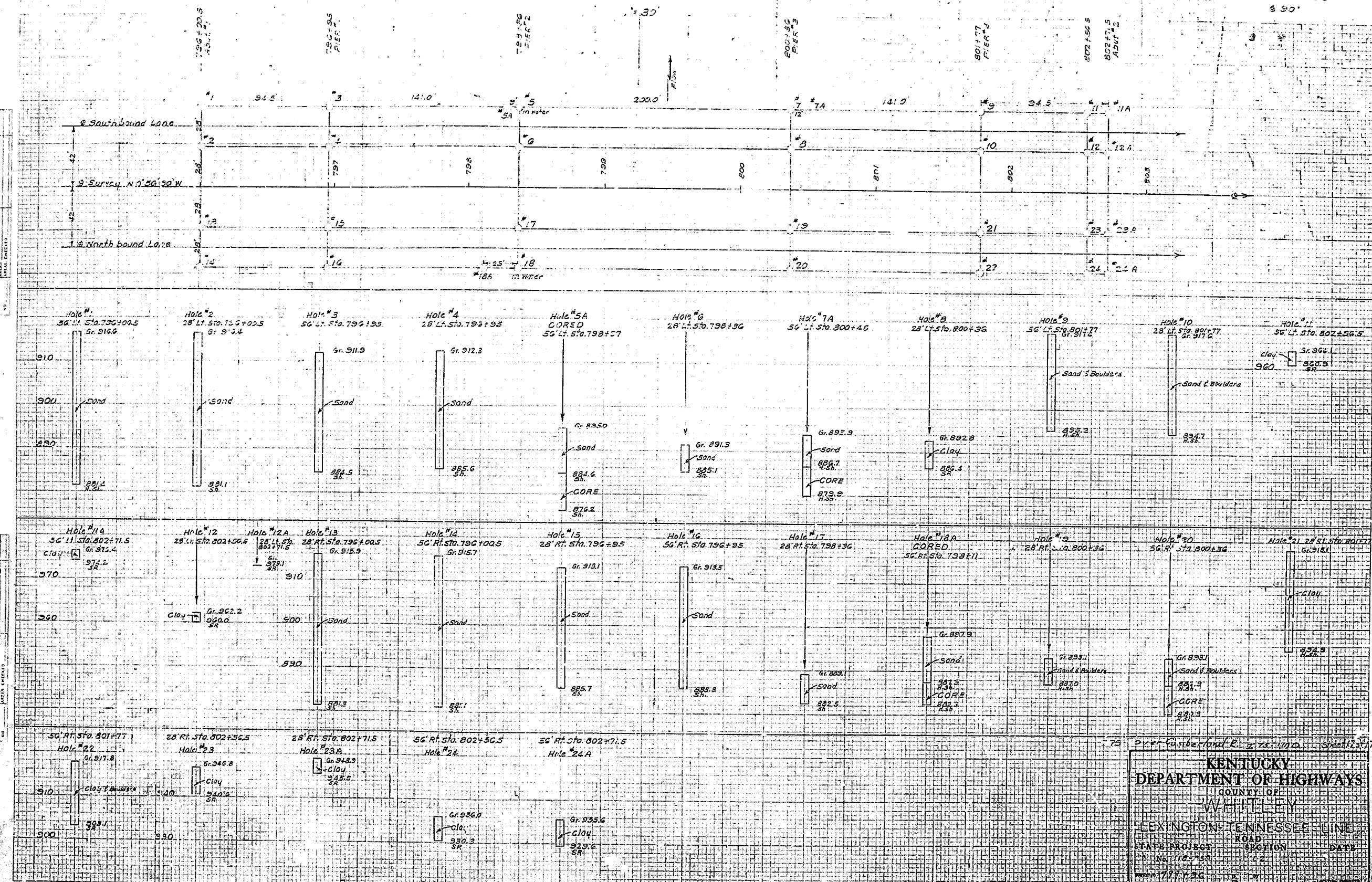
		DRAWING	INDEX
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1469

BRIDGE

PLAN OF SOUNDING HOLES

Sta 799+36
Sta 800+00



KENTUCKY
DEPARTMENT OF HIGHWAYS
COUNTY OF
WHITLEY
LEXINGTON-TENNESSEE LINE
ROAD
STATE PROJECT
NO. 172-150
DATE
JAN 1959
Drawing No. 142

PLATE 3 CROSS SECTION OF A 2 LANE HIGHWAY
FOR AUTOMOBILE TRAVEL