

KENTUCKY DEPARTMENT OF HIGHWAYS

NELSON COUNTY

CENTRAL KENTUCKY PARKWAY

C.K.P. OVER BEECH FORK

FIG. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

REFERENCE AND ESTIMATE OF QUANTITIES											
Item	Sheet No.	Concrete, Class A (Cu. Yds.)	Reinforcing Steel (Lbs.)	Structural Steel (Lbs.)	Aluminum Handrail (Lin. Ft.)	Structural Excavation Common Solid Rock (Cu. Yds.)	Grout Expansion Plates (Lbs.)	Alternate "A" 12" B. P. Piles @ 53" (Lin. Ft.)	Alternate "B" 12" R. C. Piles (Lin. Ft.)		
Title, Quantities & Notes	1										
Layout	2										
Subgrade Layout & Curo Effects	3										
End Bent 1N	4	26.3	1,283					380	380	380	380
End Bent 1S	4	26.3	1,283					384	384	384	384
Pier 1N	5	63.2	8,289					353	353	353	353
Pier 1S	5	54.8	7,451			55		398	398	398	398
Pier 2N	5	63.2	8,289			55		363	363	363	363
Pier 2S	5	59.0	7,886			45		363	363	363	363
Pier 3N	5	63.2	8,289			45		363	363	363	363
Pier 3S	5	63.2	8,289			45		333	333	333	333
Pier 4N	6	69.3	7,328			50		277	277	277	277
Pier 4S	6	66.4	7,041			50		299	299	299	299
Pier 5N	7	104.0	7,413			135	20				
Pier 5S	7	97.2	18,709			220	25				
Pier 6N	7	92.7	16,998			280	45				
Pier 6S	7	83.6	17,080			235	15				
End Bent 2N	8	56.7	4,642					575	575	575	575
End Bent 2S	8	56.7	4,642					570	570	570	570
Span 1N	9,10,11	131.0	29,811					304			
Span 1S	9,10,11	129.0	28,987					304			
Span 2N	9,10,11	120.0	28,218					304			
Span 2S	9,10,11	117.0	27,396					304			
Span 3N	9,10,11	120.0	28,218					304			
Span 3S	9,10,11	117.0	27,396					304			
Span 4N	9,10,11	120.0	28,218					304			
Span 4S	9,10,11	117.0	27,425					304			
Spans 5, 6, 7 - N	12-16	616.7	173,507	①							
Spans 5, 6, 7 - S	12-16	603.3	175,306	②							
Aluminum Handrail	16,17				17,82						
Construction Elev.	17,18,19										
Pile Record	20										
Soundings	21										
Total		3,227.5	729,445	Lump Sum	1,782	1,355	105	2,432	4,658	4,658	4,658

① Approx. Wt. of Structural Steel = 13,020 Lbs.
②

BILL OF INCIDENTAL MATERIAL

Item	Mat'l Pieces	Size	Location
Premolded Exp. Jt. Mat'l	4	1/4" x 1 1/2" x 29' 8"	Over Cop & Key @ Piers 1 & 2
"	2	1/4" x 3' 0" x 29' 8"	"
"	8	1" x 6' 10" x 28' 8"	Between Endwalls @ Piers 12, 13 & 14
"	8	1" x 5' x 4' 0"	Slabs @
"	8	1" x 8' x 4' 5"	Curbs @
Preformed Joint Seal	4	1 1/8" x 1 1/2" x 37' 6"	Endwalls @

Note: The Bill of Incidental Material is approximate only and the contractor is responsible for furnishing enough material to complete the work in accordance with the plans and specifications.

SPECIFICATIONS - KENTUCKY DEPARTMENT OF HIGHWAYS, CURRENT STANDARD WITH AMENDMENTS.
DESIGN LOAD - BRIDGE DESIGNED FOR H-20 SIGA LOADING AS SPECIFIED IN 1991 ALSO SPECIFICATIONS.
DESIGN STRESSES - FOR REINFORCED CONCRETE.

FS = 20,000 psi U = 300 psi FOR C.
FC = 1,200 psi U = 3,000 psi
U = 200 psi FOR EMBEDMENT U = 10

FOUNDATION PRESSURE - FOOTINGS ARE DESIGNED FOR A MAXIMUM PRESSURE OF 16,000 psi AND PILES ARE DESIGNED FOR A MAXIMUM LOAD OF 10 TONS PER PILE. THE MAXIMUMS ARE FOR GROUP 1 LOADS WITH INCREASES ALLOWED FOR OTHER LOADING GROUPS.

CONCRETE - CLASS "A" CONCRETE IS TO BE USED THROUGHOUT, EXCEPT IN PILES, CLASS "B" CONCRETE IS TO BE USED IN PILES.

REINFORCEMENT - INTERMEDIATE OR HARD GRADE REINFORCEMENT SHALL BE USED IN ACCORDANCE WITH ASTM A15-50T FOR BILLET STEEL OR A15-50T FOR RAIL STEEL, CONFORMING TO BENDING REQUIREMENTS OF AASHTO SPEC. 412. 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 1/4" UNLESS OTHERWISE SHOWN.
EXPANSION JOINT MATERIAL, JOINT SEAL, TAR PAPER - THE COST OF THESE ITEMS IS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "A" CONCRETE.

FLOOR DRAINS - THE COST OF THIS ITEM IS TO BE INCLUDED IN THE LUMP SUM BID FOR STRUCTURAL STEEL.

STRUCTURAL STEEL - "LUMP SUM BID" FOR STRUCTURAL STEEL SHALL BE FULL PAYMENT FOR ALL STRUCTURAL STEEL, RIVETS, BOLTS, WASHERS, STEEL PINS, CAST IRON, LEAD PLATES, BOLTED LEAD, WELDING AND WELDING MATERIALS, FLOOR DRAINS, PAINT AND ALL LABOR AND MATERIALS NECESSARY TO ERECT THE STEEL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

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 BERM PROVIDED AS SHOWN ON THE PLANS BEFORE PLACING SHORING AND FORMS FOR THE END SPANS.

PILING - PILING SHALL BE DRIVEN TO REFUSAL OR TO SOLID ROCK. 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.

ALTERNATE TYPES OF PILES - THE CONTRACTOR SHALL USE ONE OF THE FOLLOWING TYPES THROUGHOUT:

ALTERNATE "A" - 12" B. P. 531D, STEEL PILES, STANDARD DRAWING P-1
ALTERNATE "B" - 14" R. C. PRECAST PILES, STANDARD DRAWING P-2

PAINT - ALL STRUCTURAL STEEL EXCEPT PINS AND PIN BEARING SURFACES SHALL BE GIVEN ONE SHOP COAT OF TYPE 1 RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. EXPOSED SURFACES OF EXPANSION DABS, NOT ACCESSIBLE AFTER ERECTION SHALL BE GIVEN TWO FIELD COATS OF ALUMINUM PAINT BEFORE ERECTION. PINS AND PIN BEARING SURFACES SHALL BE COATED IN THE SHOP WITH A HOT MIXTURE OF WHITE LEAD AND TALLOW IN ACCORDANCE WITH THE SPECIFICATIONS. SHOP PAINT SHALL NOT BE APPLIED WITHIN 3" OF OPEN HOLES WHERE HIGH STRENGTH BOLTS ARE TO BE USED FOR FIELD CONNECTIONS AND SHALL NOT BE APPLIED TO STEEL SURFACES IN CONTACT WITH CONCRETE.

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, FLOOD THE JOINTS WITH 1:2 PORTLAND CEMENT MORTAR JUST BEFORE PLACING THE ADJOINING SECTION.

FALSEWORK - THE FALSEWORK SUPPORTING THE GIRDERS IN ANY SPAN OF A CONTINUOUS REINFORCED CONCRETE UNIT SHALL NOT BE REMOVED UNTIL ALL GIRDERS AND SLABS IN ALL SPANS OF THE CONTINUOUS UNIT HAVE BEEN POURED FOR AT LEAST TWENTY-ONE DAYS.

DRIVING CONCRETE PILES - FOR RC PRECAST PILES CORED, PILOT HOLES THROUGH THE EMBANKMENT WILL BE REQUIRED FOR STARTING PILES. THE COST OF THIS WORK IS TO BE INCLUDED IN THE UNIT PRICE BID PER LINEAR FOOT FOR DRIVING PILES.

TAR PAPER - TAR PAPER IS TO BE COMMERCIAL GRADE TAR PAPER OR ROOFING FELT APPROXIMATELY 1/16" THICK.

CONCRETE FINISH - EXTERIOR FACE OF PLINTHS AND SOFFIT OVER HANDS AND OUTSIDE FACE OF MEDIAN GIRDER SHALL RECEIVE A RUBBED SURFACE FINISH.

WIND LOADS - THIS STRUCTURE IS DESIGNED USING WIND LOADS BASED ON A WIND VELOCITY OF 84 M.P.H.

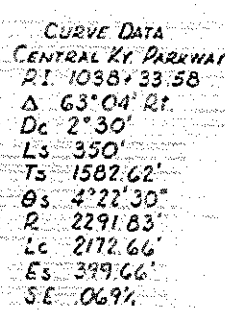
Standard Drawings

A&1	P2
ED2	P17
H12	S&2
G353	
G354	
G352	

C.K.P. over Beech Fork

Sheet 1 of 21

COMMONWEALTH OF KENTUCKY	
DEPARTMENT OF HIGHWAYS	
FRANKFORT	
COUNTY OF	
NELSON	
CENTRAL KENTUCKY PARKWAY	
ELIZABETHTOWN - VERSAILLES	
ROAD	
STATION 1025+90	PROJECT NO.
BRIDGE NUMBER	DRAWING NO. 15821
	INDEX



Hand-drawn plan view of a bridge structure. The diagram shows a central roadway section labeled "30'-0" Roadway" with a "Profile Grade" of "0.69%". The bridge is supported by "At Piers 5'4"6"" and "Typical except at Piers 5'4"6"". Dimensions include "2'-6"" for the roadway width, "15'-0"" for the bridge deck width, and "9'-0"" for the pier width. A "7'-0" Depth" is indicated for the bridge structure. The diagram also shows "Survey" points and "Varies" dimensions for the approach sections.

1'6"

1'6"

Limits of earth core

1'

1'

TYPICAL EARTH CORE

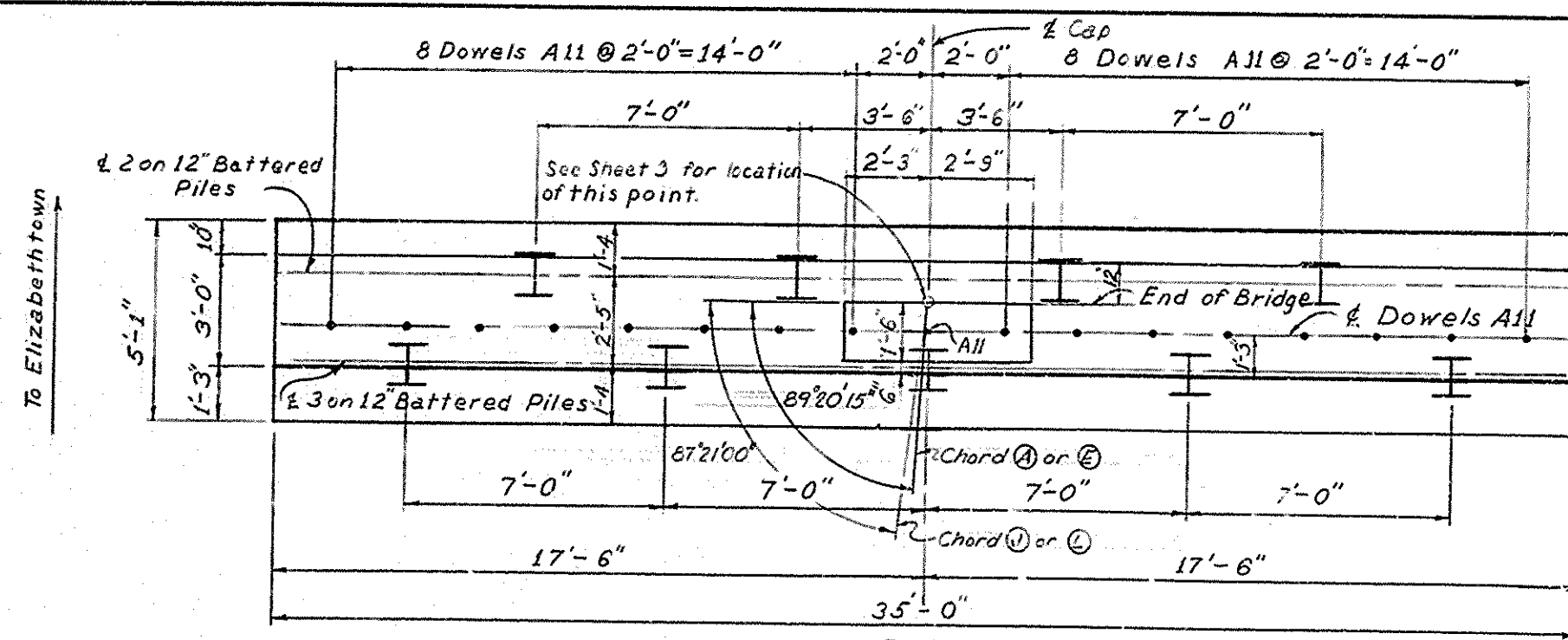
Note :
See Sheet 3 for Layout
of Substructure



4:30' Simple & 75' 100' 75' Cont. R.C.D.G. Spans
0" Skew 2:1 Slopes
H20-S16A Loading 1'-6" Safety Curbs
Twin 30' Roadway 108' Shoulders
8250 sq.ft. Opening under Ext. H.W.

STATION 1028+90		PROJECT NO.	
BRIDGE NUMBER		DRAWING	INDEX
		15821	
		NO.	

LAYOUT

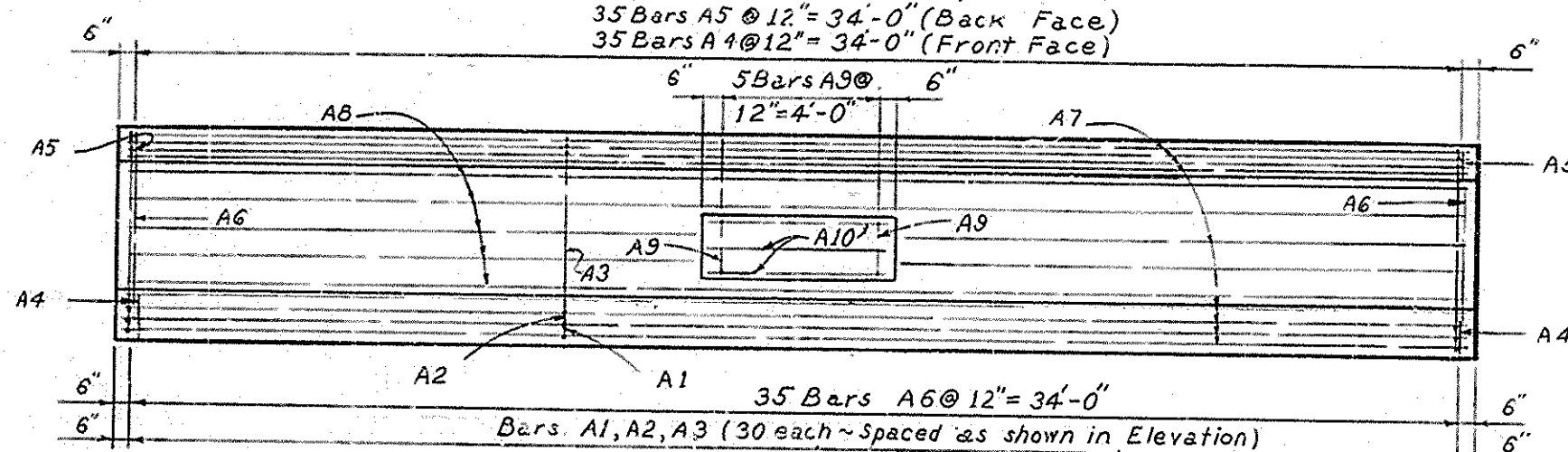


PLAN

(Showing Dimension, Pile Plan, and Dowels)

35 Bars A5 @ 12" = 34'-0" (Back Face)

35 Bars A 4 @ 12" = 34'-0" (Front Face)

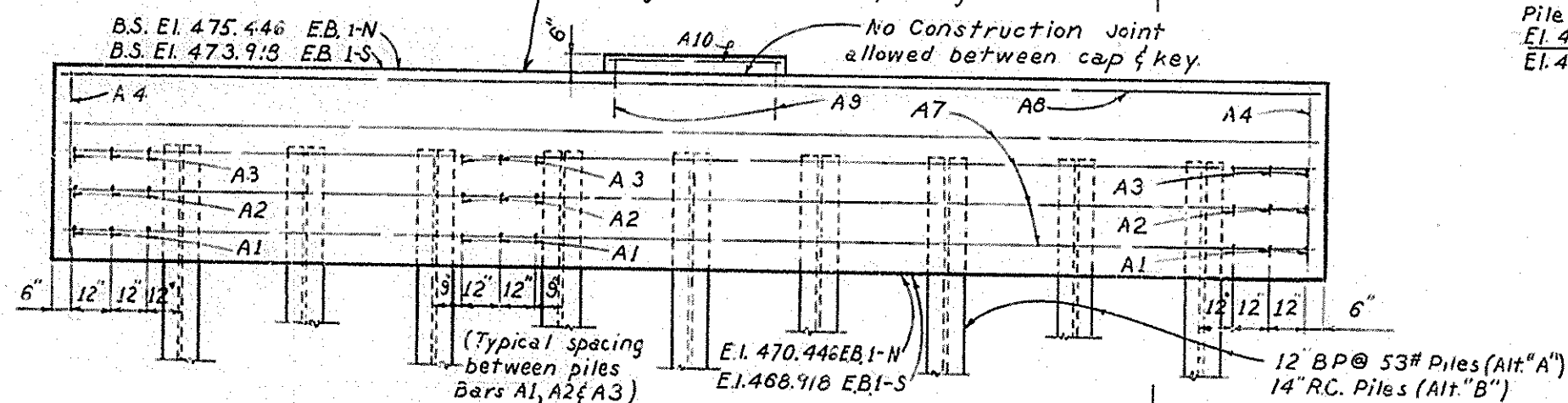


PLAN

(Showing reinforcement)

Place one layer of tar paper over
Bridge Seat before pouring endwall.

— No Construction joint allowed between cap & key.

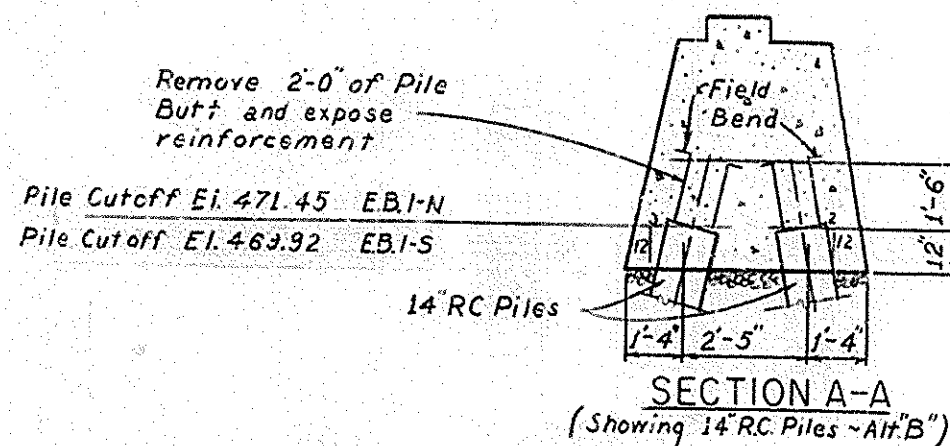


ELEVATION

Note :

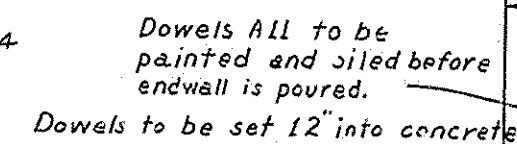
For details of 12" B.P. @ 53#, See Std. Drawing P-17.
For details of 14" R.C. Piles, See Std. Drawing P-2.

For details of 14" R.C. Piles, See Std. Drawing P-2.

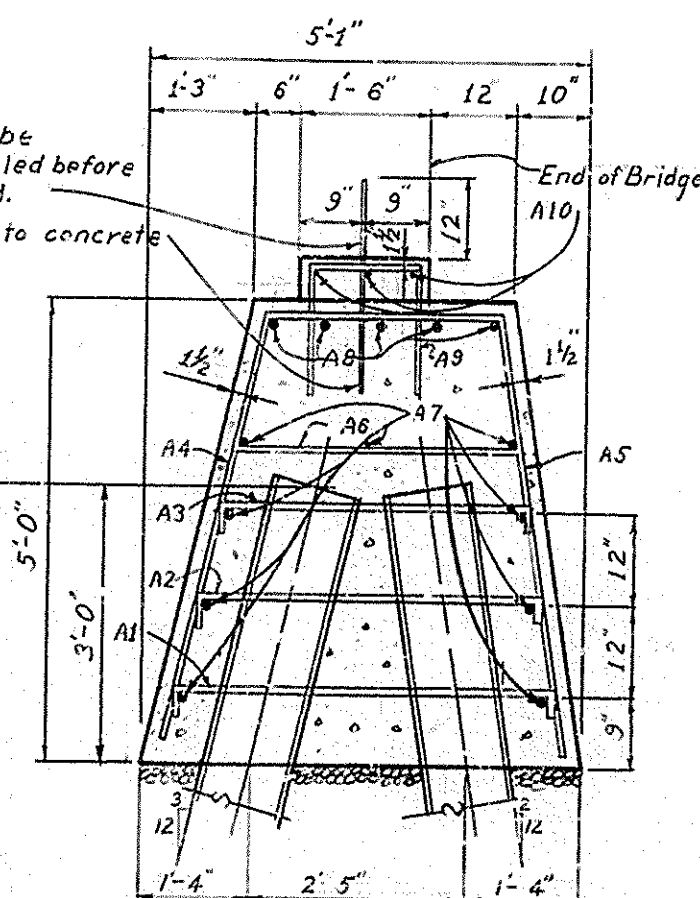


SECTION A-A

(Showing 14" R.C. Piles ~ Alt. "B")

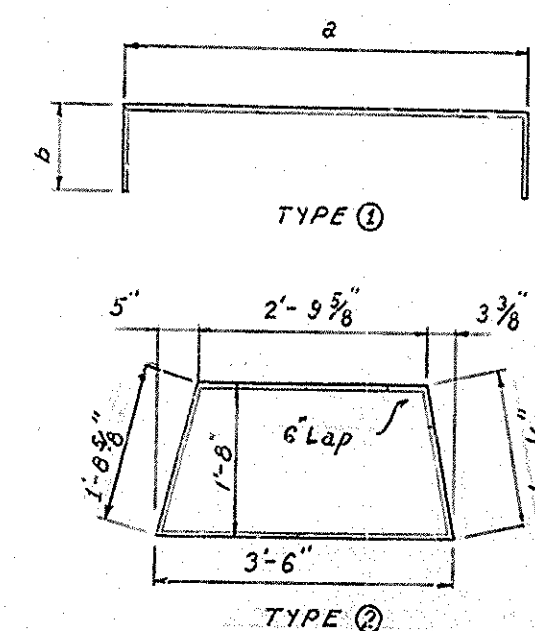


Dowels to be set 12" into concrete



SECTION A - A

(Showing 12" B.P. @ 53' - Alt "A")



TYPE ②

[illegible]

ESTIMATE OF QUANTITIES		
	E.B.I.N	E.B.I.S
Concrete, Class "A"	26.3 Cu.Yds.	26.3 Cu.Yds.
Reinforcement	1283 Lbs.	1283 Lbs.

C.K.P. over Beech Fork

Sheet 4

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES

STATION 1028 + 90

PROJECT NO.

STATION 1028 + 90

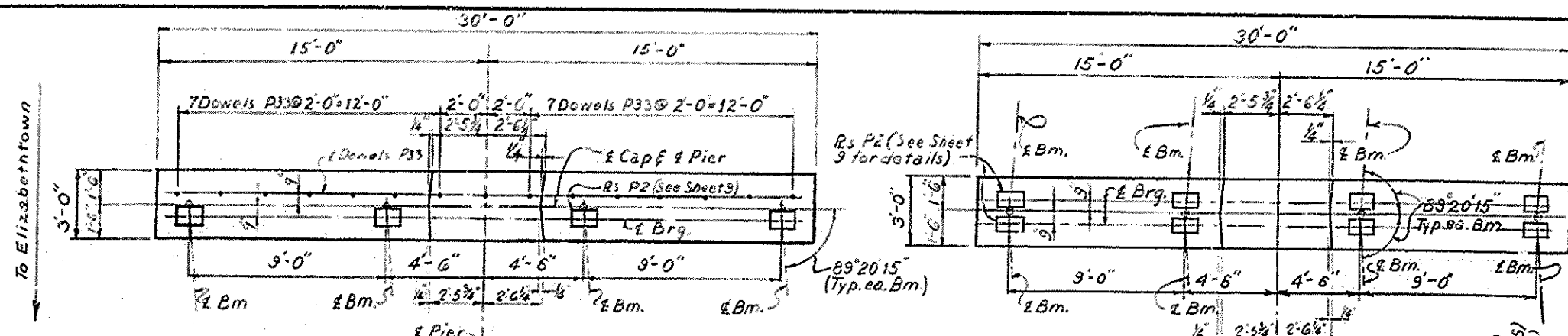
PROJECT NO.

BRIDGE
NUMBER

DRAWING
15827

1992

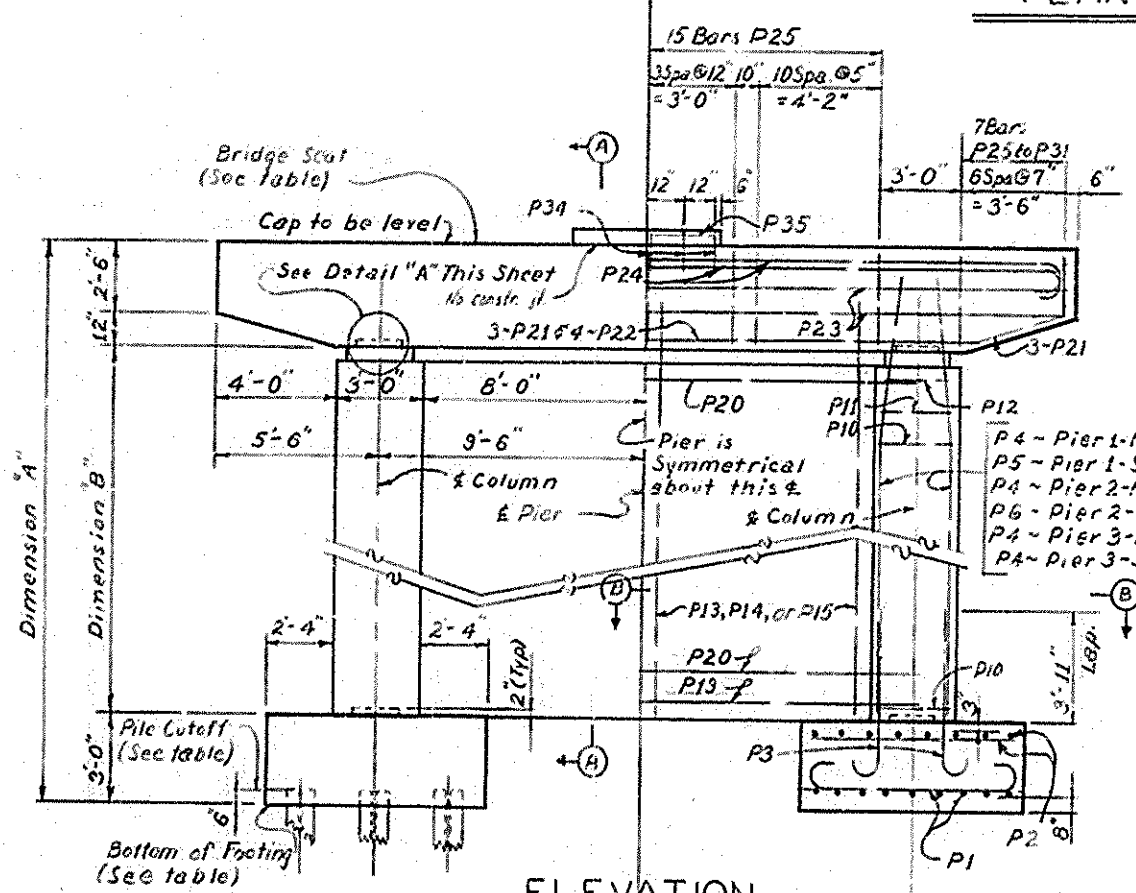
END BENT I-N&I-S



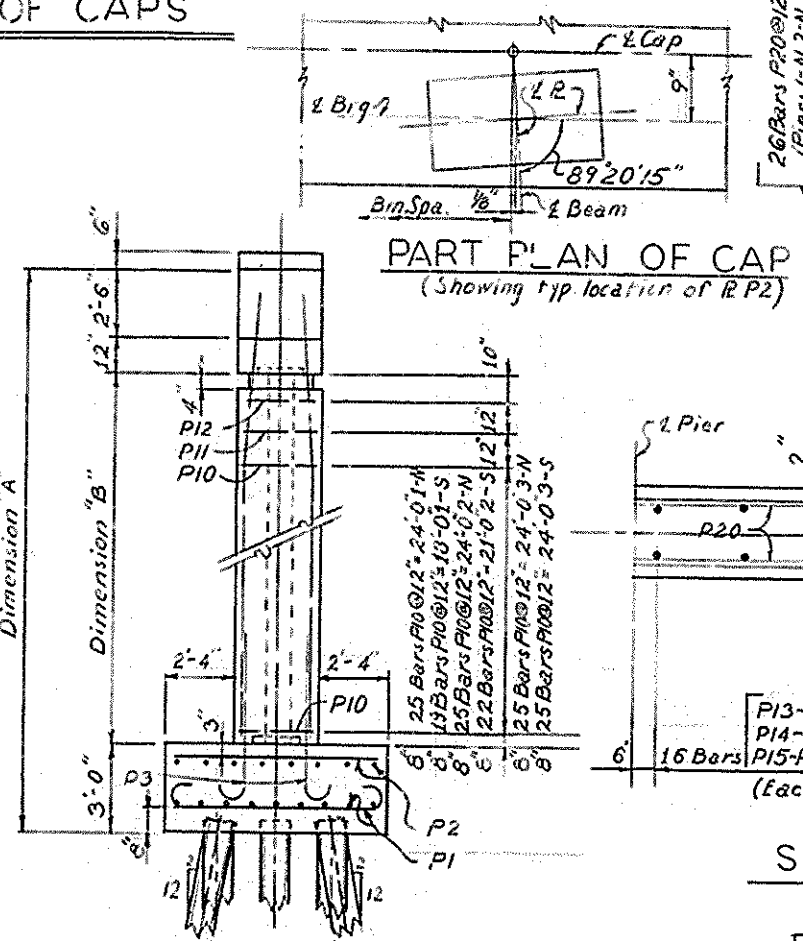
(PIERS 1-N, 1-S, 2-N & 2-S)

(PIERS 3-N & 3-S)

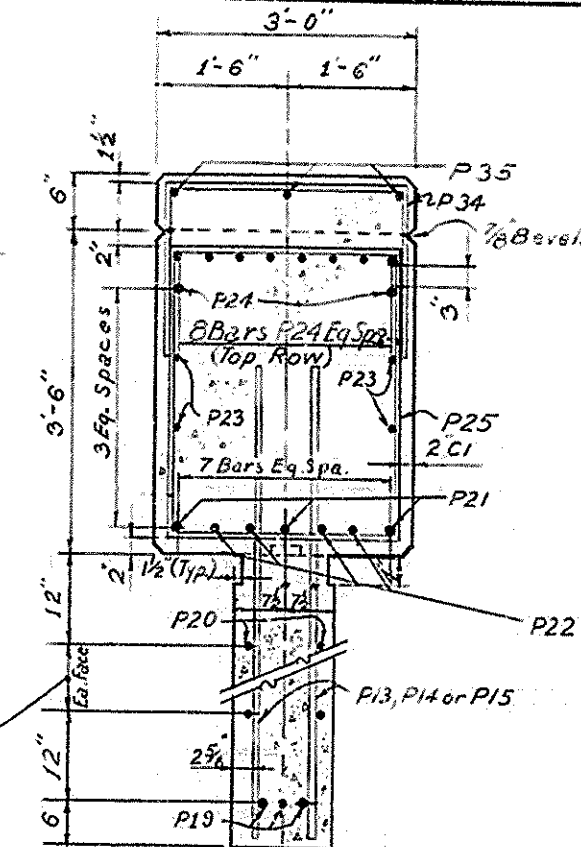
PLANS OF CAPS



ELEVATION



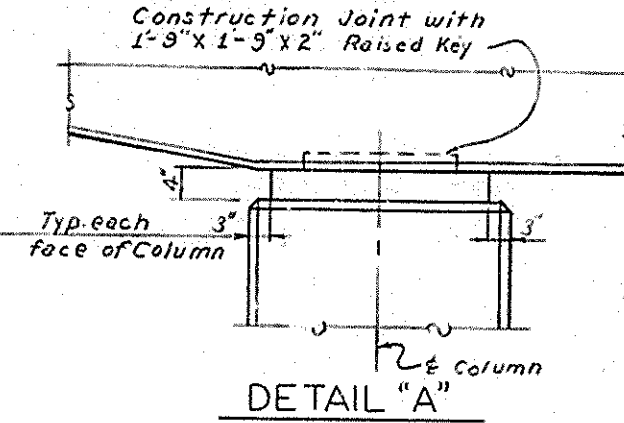
PART PLAN OF CAP
(Showing tip location of R P2)



SECTION A-A

SECTION B-B

END ELEVATION



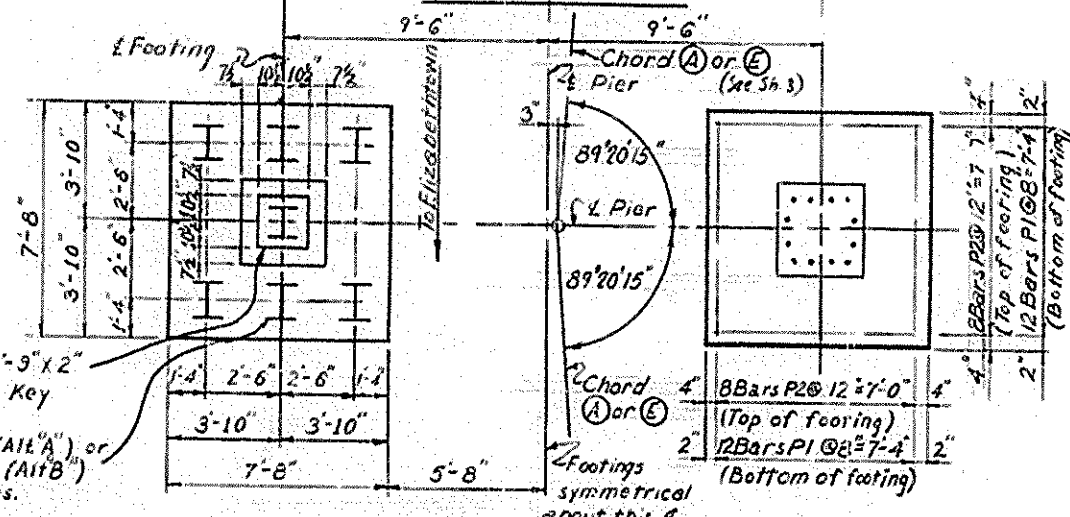
DETAIL "A"

Piers	1-N	1-S	2-N	2-S	3-N	3-S
Bridge Seat	475.665	473.393	475.944	474.288	476.240	474.584
Pile Cutoff	442.16	446.50	442.44	443.79	442.74	441.08
Bottom of Footing	441.655	445.999	441.344	443.288	442.240	440.584

TABLE OF ELEVATIONS

Piers	1-N	1-S	2-N	2-S	3-N	3-S
Concrete, Class "A" (Cu. Yds.)	63.2	54.8	63.2	59.0	63.2	63.2
Reinforcement (Lbs.)	8,289	7,492	8,289	7,886	8,289	8,289

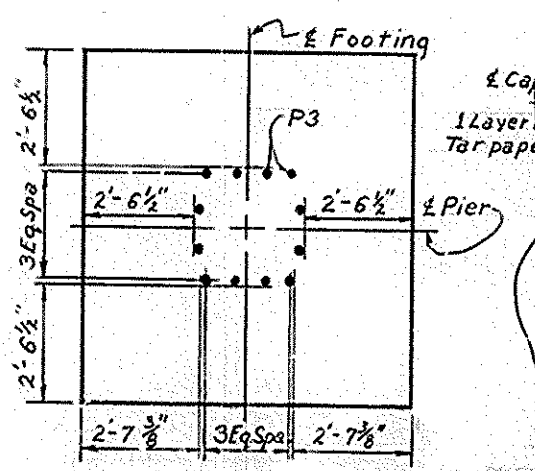
ESTIMATE OF QUANTITIES



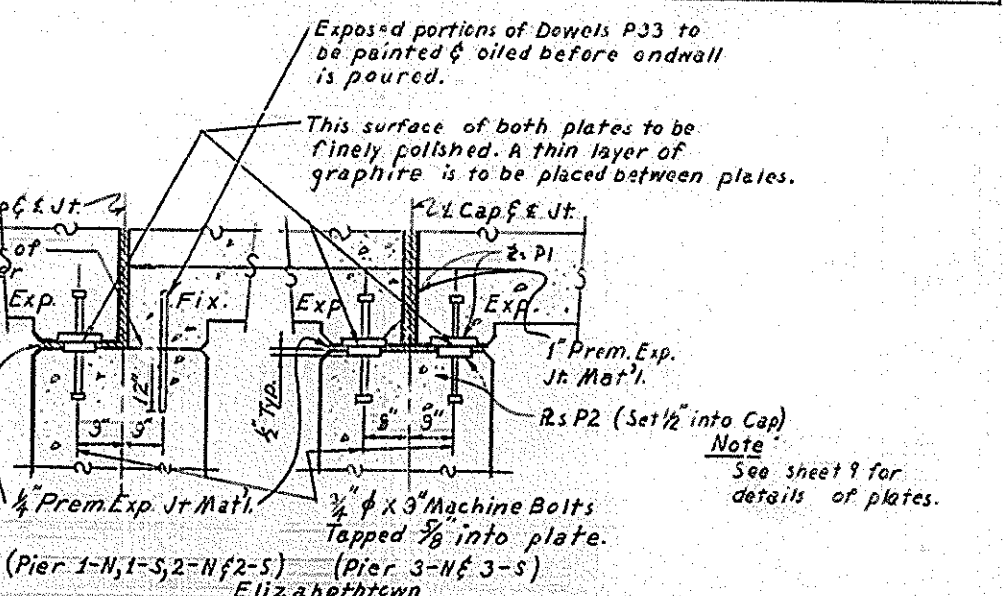
PLAN OF FOOTING

	Pier 1-N	Pier 1-S	Pier 2-N	Pier 2-S	Pier 3-N	Pier 3-S
"A"	34'-0"	28'-0"	34'-0"	31'-0"	34'-0"	34'-0"
"B"	27'-6"	21'-6"	27'-6"	24'-6"	27'-6"	27'-6"

DIMENSIONS



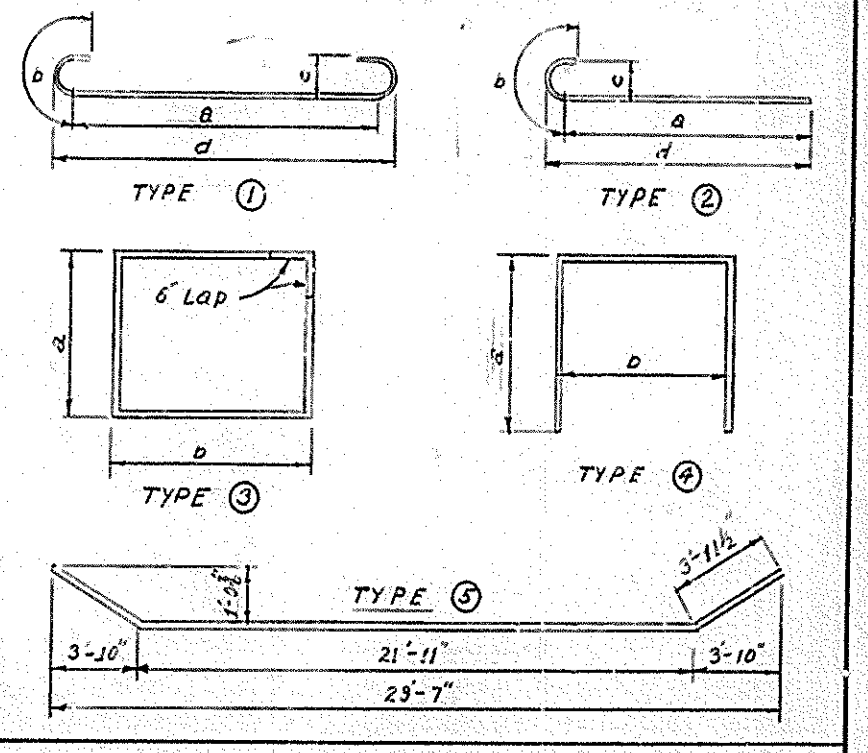
PART PLAN OF FOOTING
(Showing Location of Dowels)



TYPICAL SECTION THRU CAPS

PIERS 1-N, 1-S, 2-N, 2-S, 3-N & 3-S

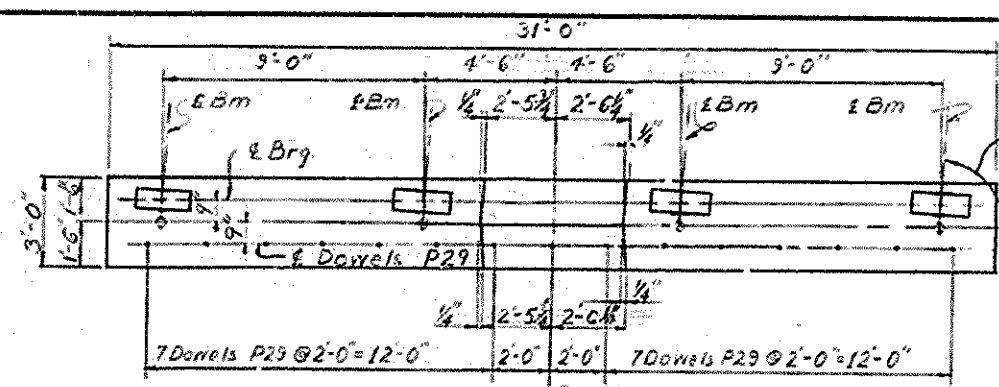
BILL OF REINFORCEMENT																			
Mark	Type	Number						Bar Length		Location	a		b		c		d		
		1-N	1-S	2-N	2-S	3-N	3-S	Size	Ft		In	Ft	In	Ft	In	Ft	In	Ft	In
P1	(1)	48	48	48	48	48	48	#6	8	8	Footing	6	10	0	11	0	6	7	4
P2	Str.	32	32	32	32	32	32	#5	7	4	"								
P3	(2)	24	24	24	24	24	24	#7	7	0	Column Dowels	5	10	1	2	0	7	6	18
P4	Str.	24	24	24	24	24	24	#7	30	6	Column								
P5	Str.	24	24	24	24	24	24	#7	24	6	"								
P6	Str.	24	24	24	24	24	24	#7	27	6	"								
P7											Not Used								
P8											"								
P9											"								
P10	(3)	50	38	50	46	50	50	#4	11	5	Column	2	8	2	8				
P11	(3)	2	2	2	2	2	2	#4	10	9	"								
P12	(3)	2	2	2	2	2	2	#4	10	1	"								
P13	Str.	32	32	32	32	32	32	#5	28	10	Web								
P14	Str.	32	32	32	32	32	32	#5	22	10	"								
P15	Str.	32	32	32	32	32	32	#5	25	10	"								
P16											Not Used								
P17											"								
P18											"								
P19	Str.	3	3	3	3	3	3	#8	20	0	Web								
P20	Str.	52	42	52	46	52	52	#5	20	0	"								
P21	(5)	3	3	3	3	3	3	#11	27	10	Cap								
P22	Str.	4	4	4	4	4	4	#11	21	11	"								
P23	Str.	4	4	4	4	4	4	#4	23	6	"								
P24	(1)	10	10	10	10	10	10	#9	32	2	"								
P25	(3)	31	31	31	31	31	31	#6	12	4	"								
P26	(3)	2	2	2	2	2	2	#6	12	2	"								
P27	(3)	2	2	2	2	2	2	#6	11	7	"								
P28	(3)	2	2	2	2	2	2	#6	11	5	"								
P29	(3)	2	2	2	2	2	2	#6	11	2	"								
P30	(3)	2	2	2	2	2	2	#6	10	10	"								
P31	(3)	2	2	2	2	2	2	#6	10	7	"								
P32											Not Used								
P33	Str.	15	15	15	15	15	15	#5	2	0	Dowels into Deck								
P34	(4)	5	5	5	5	5	5	#5	5	11	Key								
P35	Str.	3	3	3	3	3	3	#4	4	8	"								



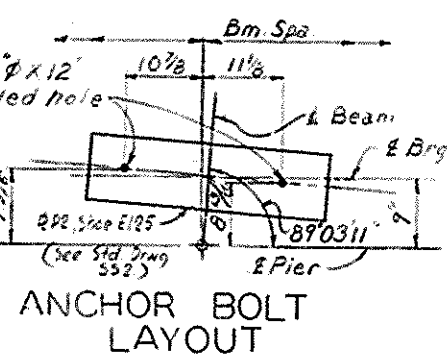
CK P over Beach Fork Sheet 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

STATION 1228 + 92 PROJECT NO.
BRIDGE NUMBER DRAWING 15821 INDEX

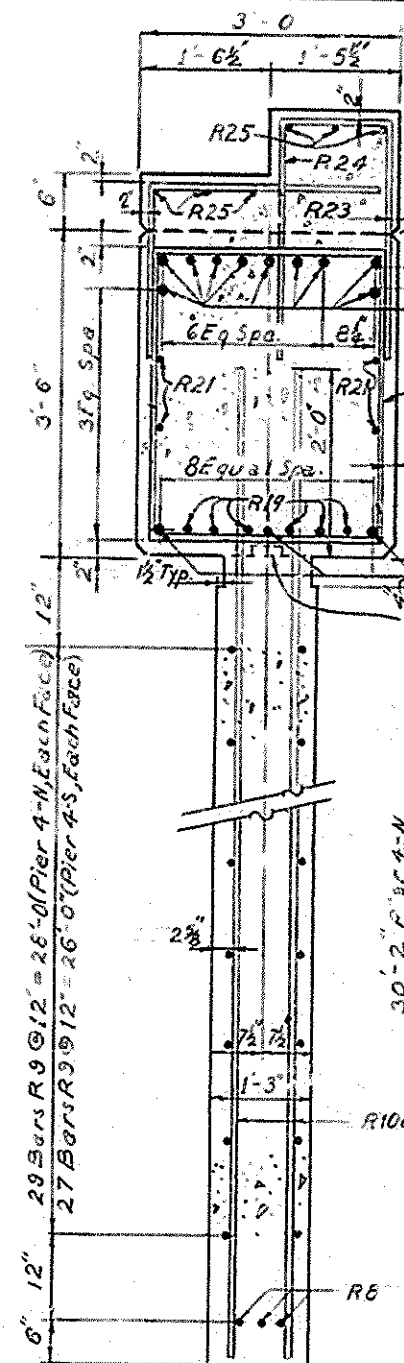


PLAN OF CAP

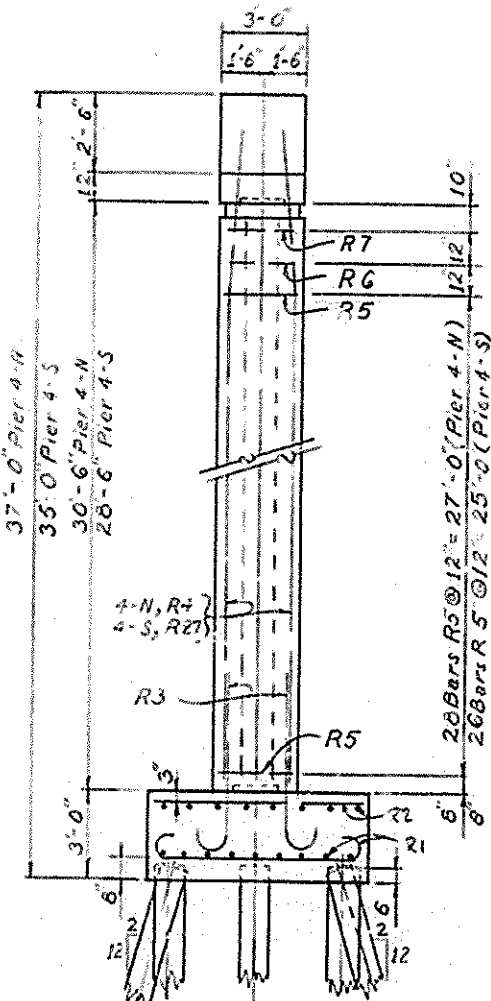


ANCHOR BOLT LAYOUT

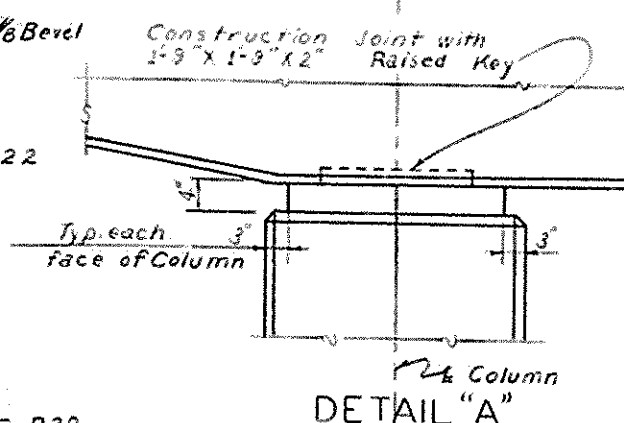
Note:
Top of Cap Bars are to be accurately located in accordance with the plans so that they will not interfere with drilling anchor bolt holes.



SECTION A-A



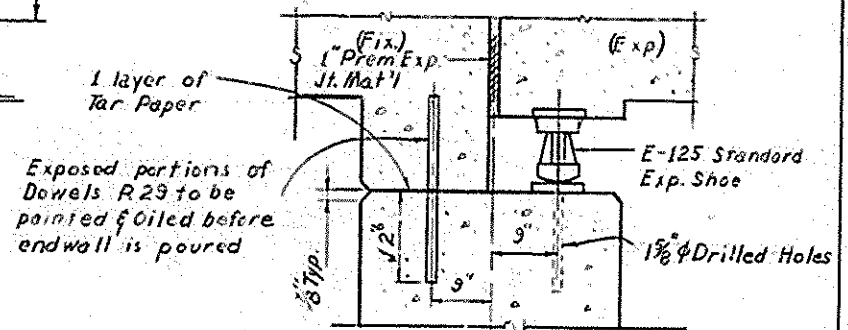
END ELEVATION



DETAIL 'A'

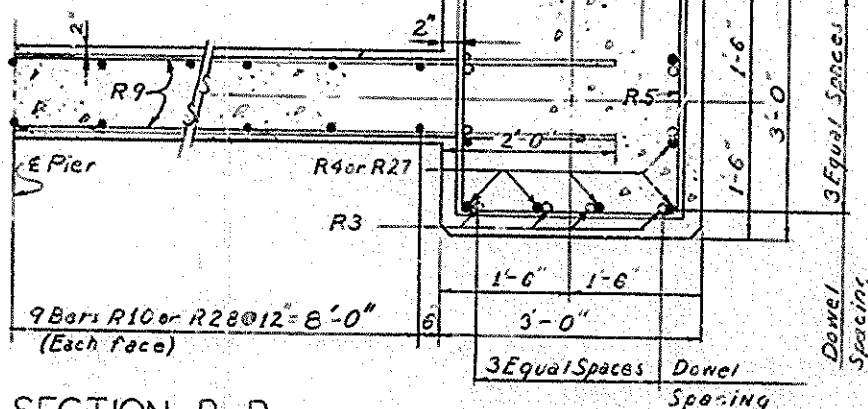
PART PLAN OF FOOTING

(Showing Location of Dowels)

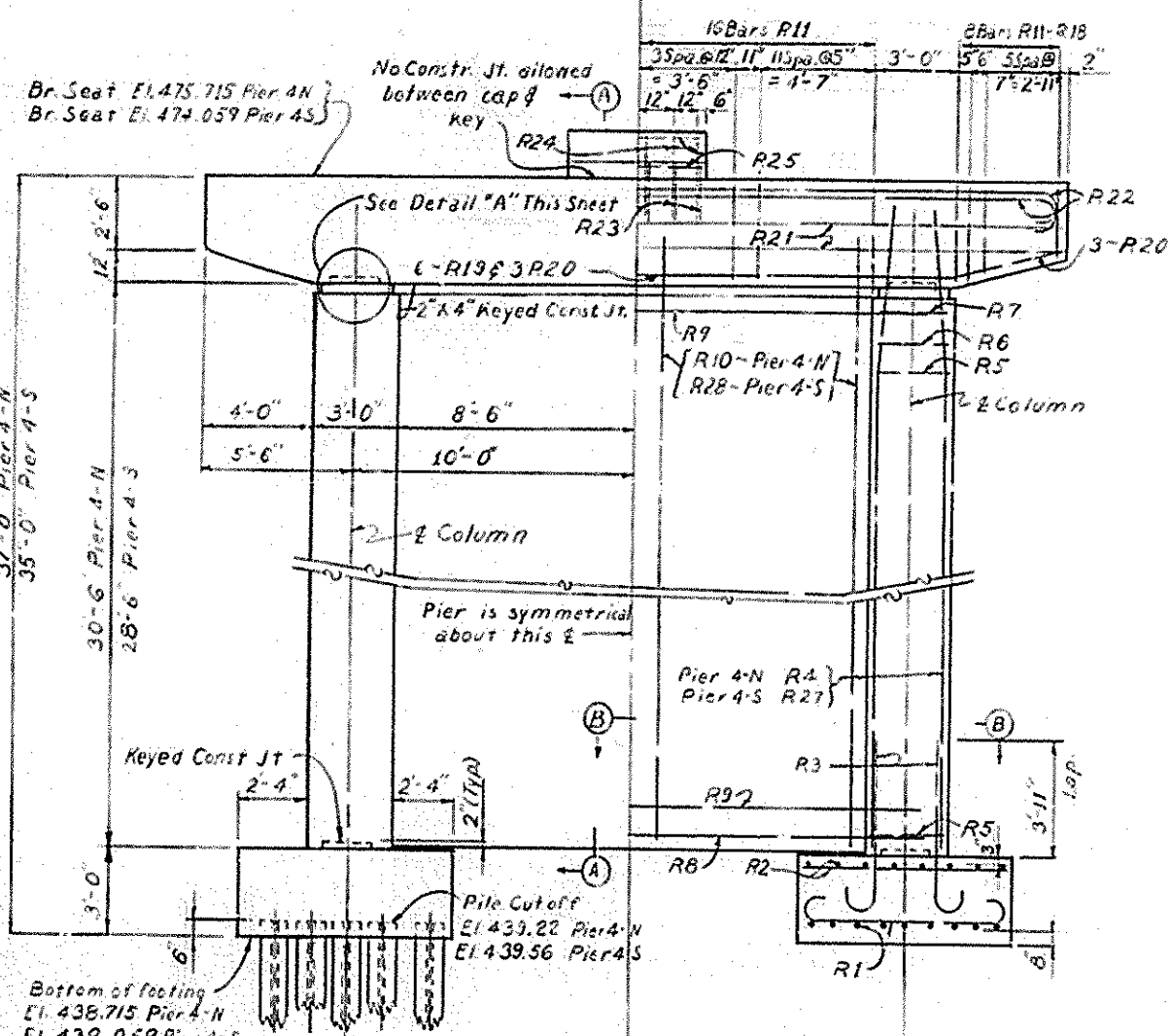


TYPICAL SECTION THRU CAP

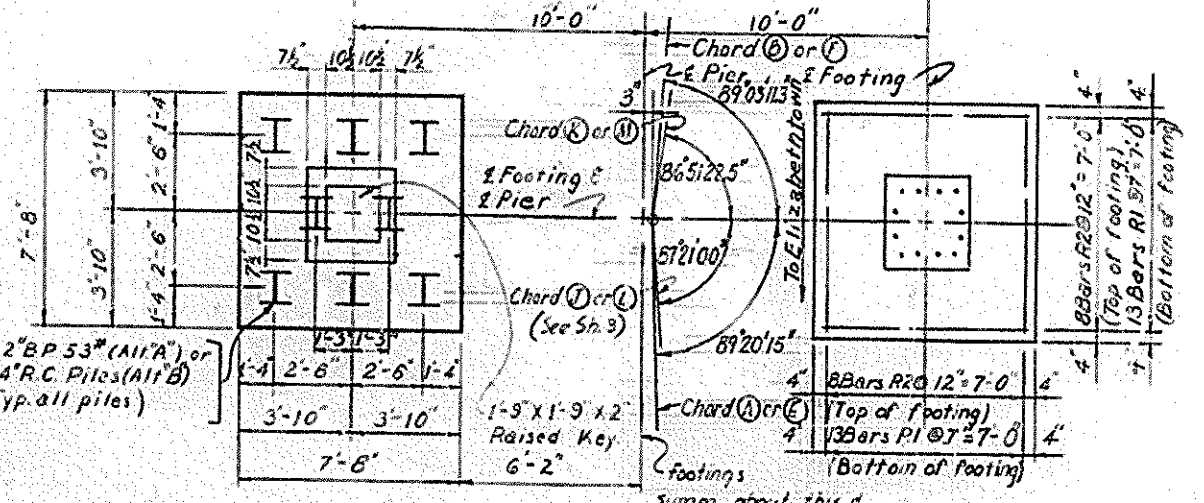
Note:
Bars R4 & R27 are to lap with Dowels R3 as shown in this section.



SECTION B-B

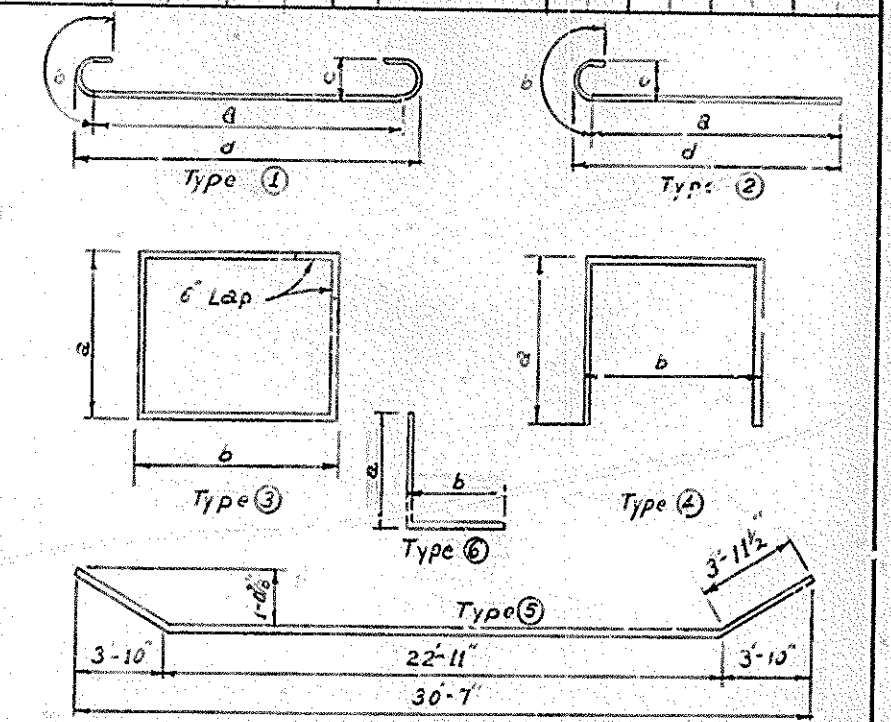


ELEVATION



PLAN OF FOOTING

BILL OF REINFORCEMENT														
Bar	Number	Bar	Length	Location	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.
R1	52	52	6	8	8	8	8	8	8	8	8	8	8	8
R2	32	32	5	7	4	4	4	4	4	4	4	4	4	4
R3	24	24	7	7	0	0	0	0	0	0	0	0	0	0
R4	24	24	7	7	0	0	0	0	0	0	0	0	0	0
R5	56	56	4	11	5	5	5	5	5	5	5	5	5	5
R6	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R7	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R8	3	3	8	21	0	0	0	0	0	0	0	0	0	0
R9	58	58	4	11	5	5	5	5	5	5	5	5	5	5
R10	34	34	4	11	5	5	5	5	5	5	5	5	5	5
R11	33	33	4	11	5	5	5	5	5	5	5	5	5	5
R12	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R13	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R14	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R15	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R16	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R17	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R18	2	2	4	10	9	9	9	9	9	9	9	9	9	9
R19	6	6	4	11	5	5	5	5	5	5	5	5	5	5
R20	3	3	4	10	9	9	9	9	9	9	9	9	9	9
R21	4	4	4	10	9	9	9	9	9	9	9	9	9	9
R22	10	10	3	33	2	2	2	2	2	2	2	2	2	2
R23	5	5	4	3	3	3	3	3	3	3	3	3	3	3
R24	5	5	4	3	3	3	3	3	3	3	3	3	3	3
R25	6	6	4	4	4	4	4	4	4	4	4	4	4	4
R26														
R27	24	24	7	31	6	6	6	6	6	6	6	6	6	6
R28	34	34	5	30	4	4	4	4	4	4	4	4	4	4
R29	15	15	5	2	0	0	0	0	0	0	0	0	0	0



ESTIMATE OF QUANTITIES		
	Pier 4-N	Pier 4-S
Concrete, Class 'A'	69.3 Cu Yds	66.4 Cu Yds
Reinforcement	9,320 lbs.	9,011 lbs.

C.M.P. over Beech Fork Sheet 6

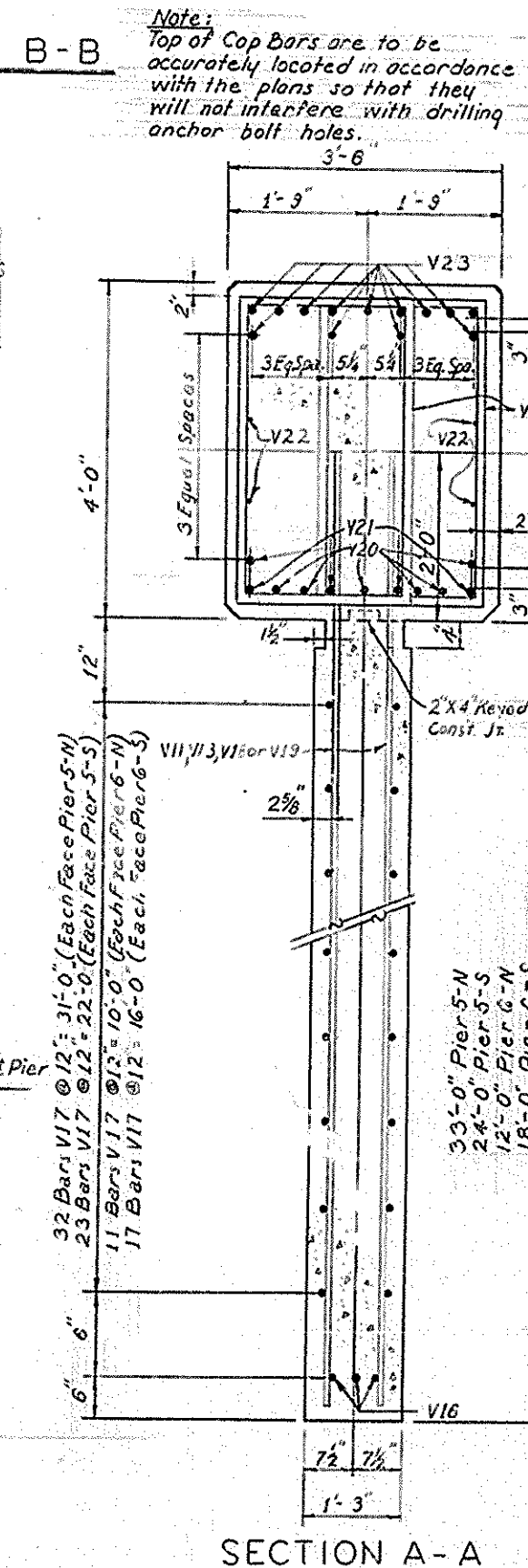
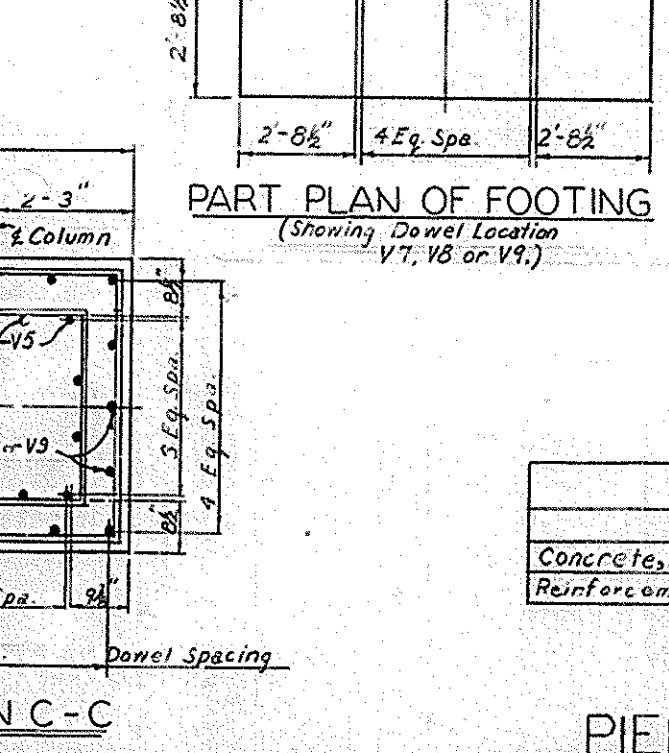
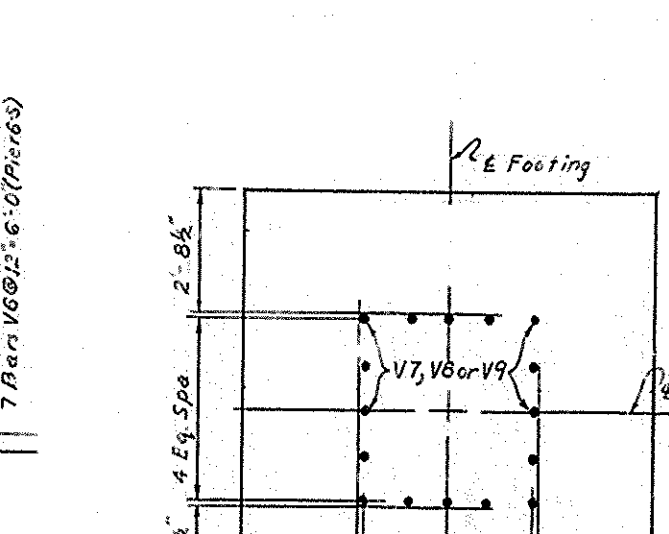
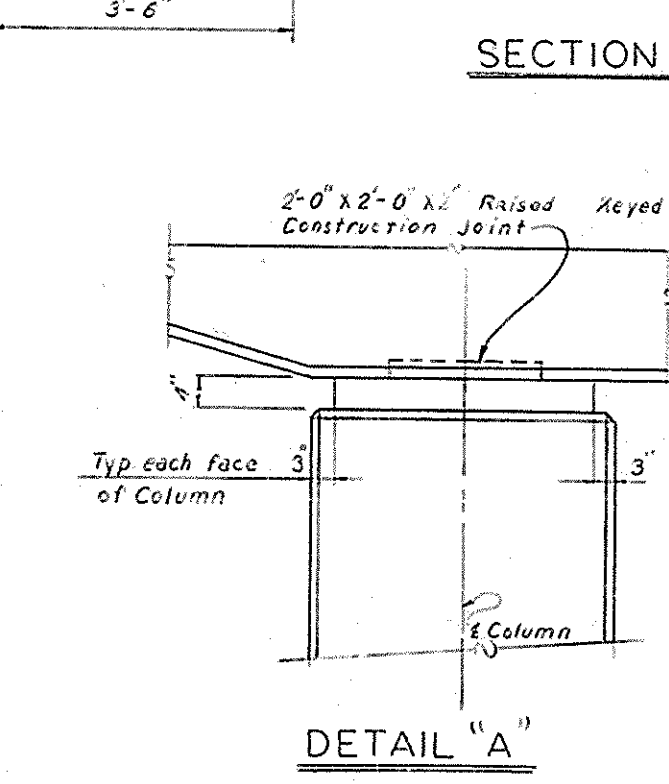
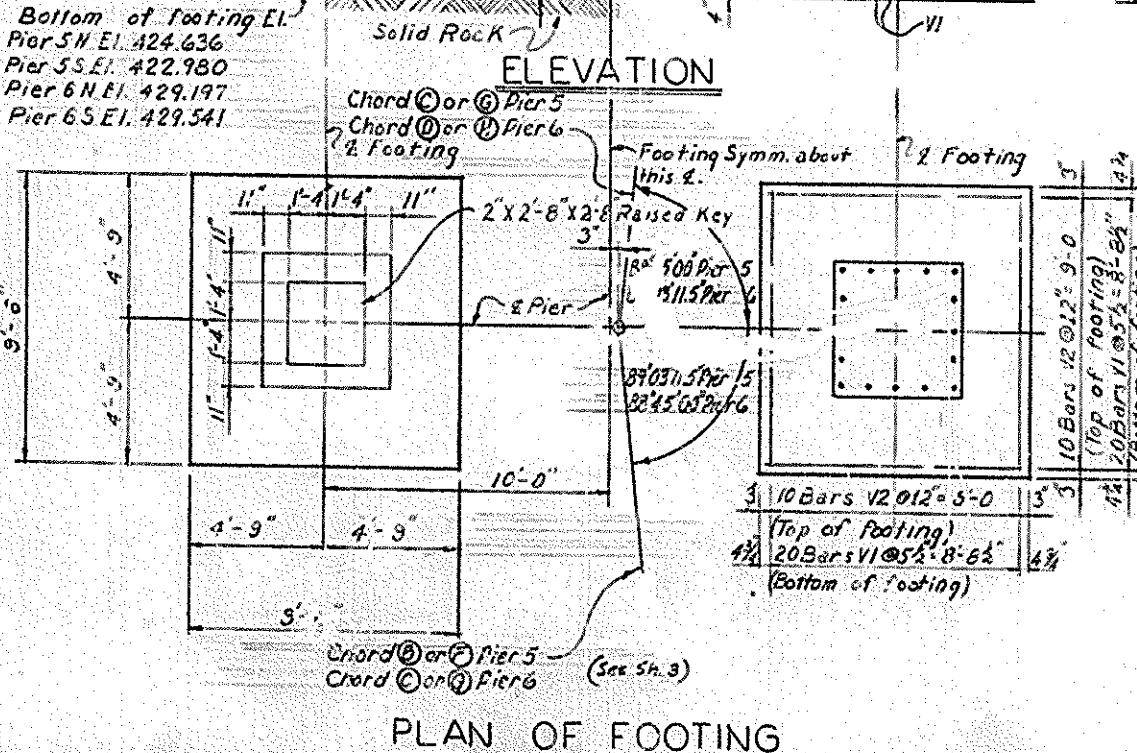
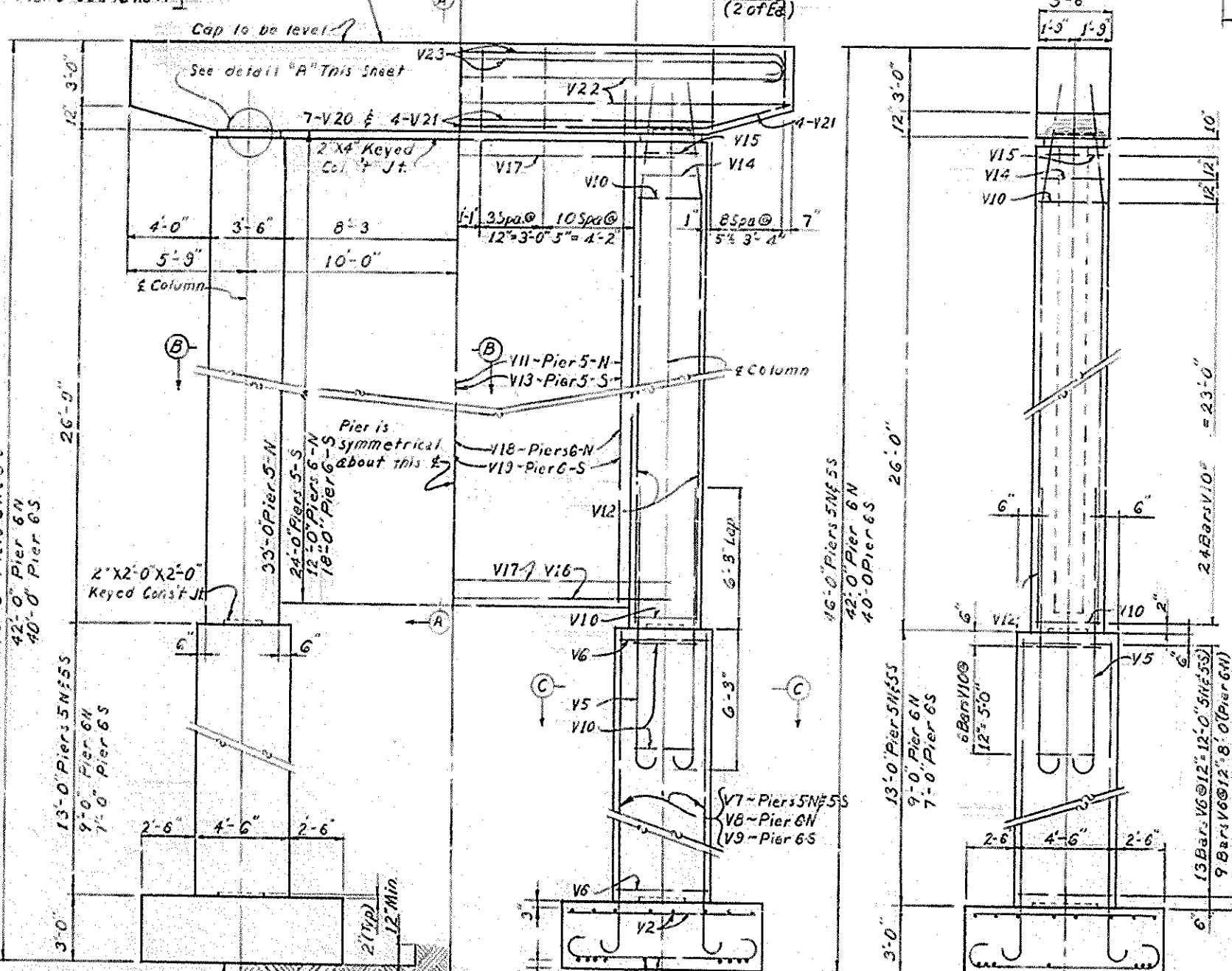
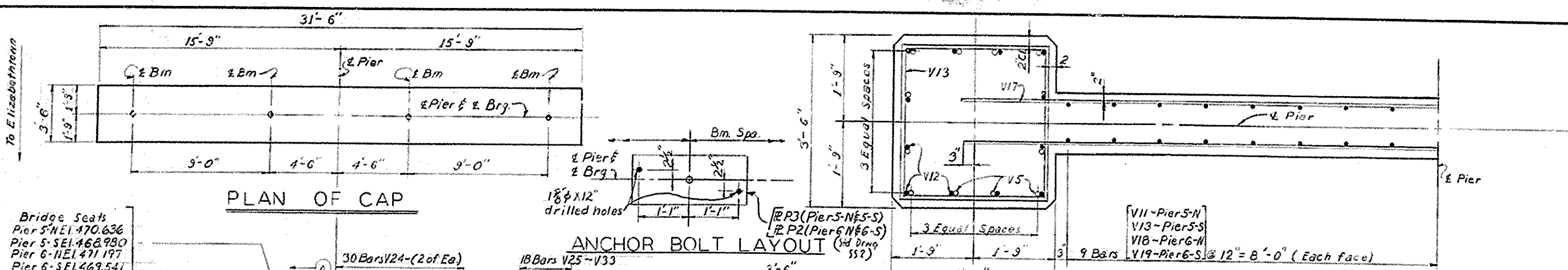
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

STATION 1028 + 90 PROJECT NO. 15621

BRIDGE NUMBER 15621 INDEX

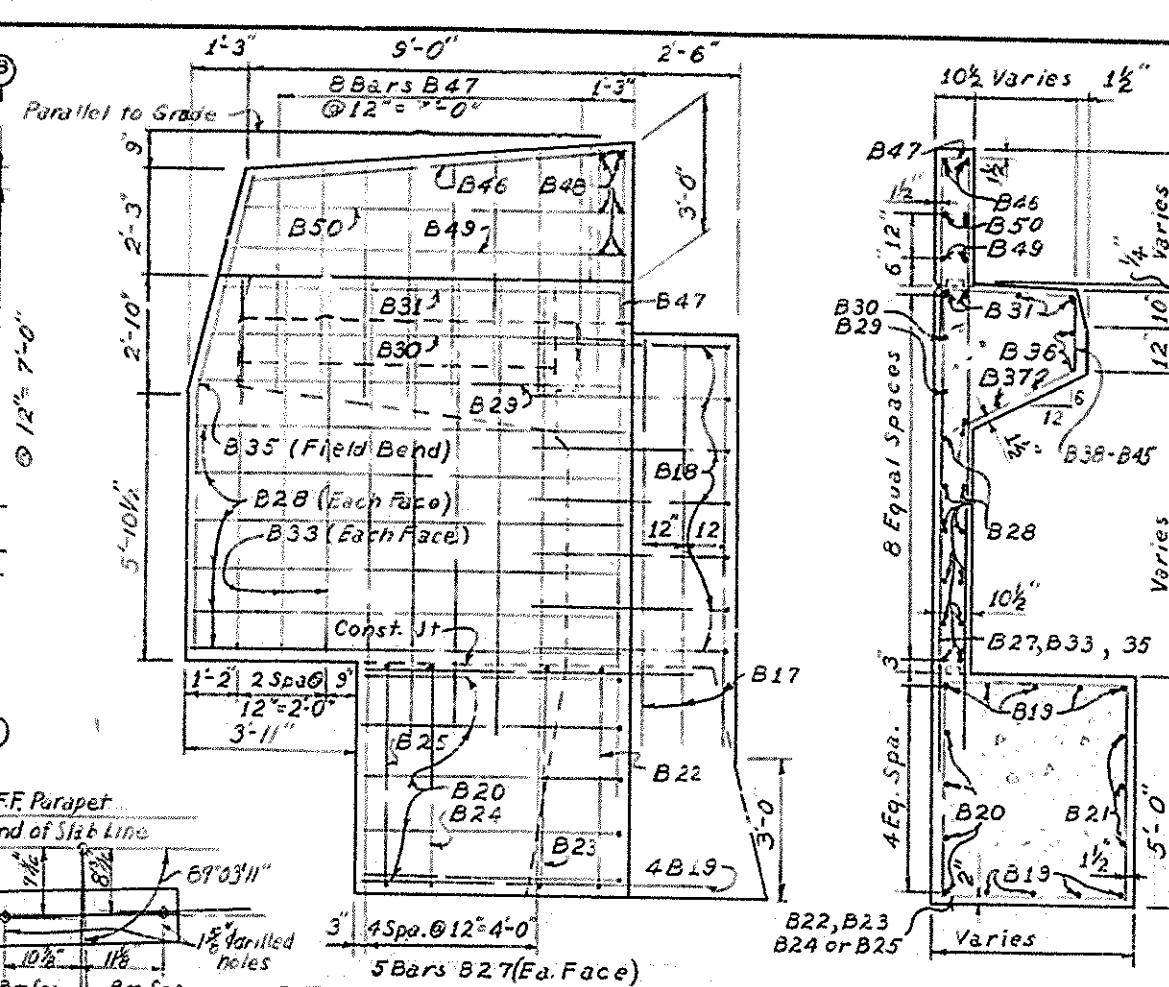
PIERS 4-N & 4-S



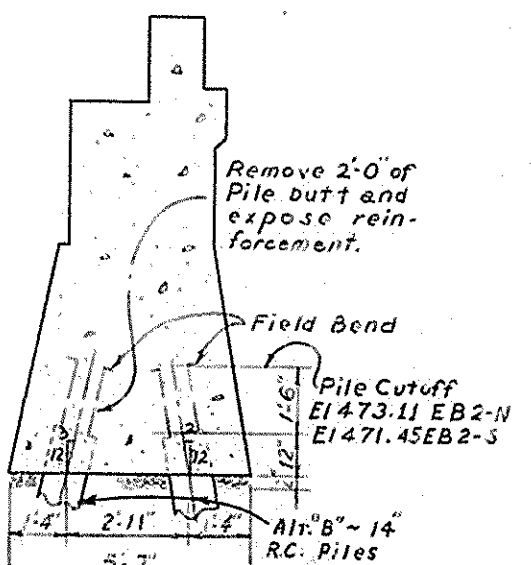
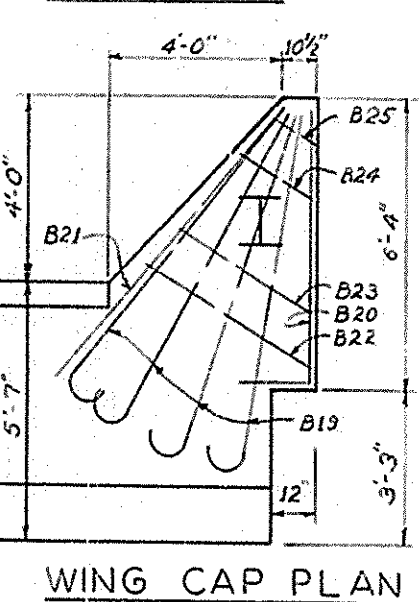
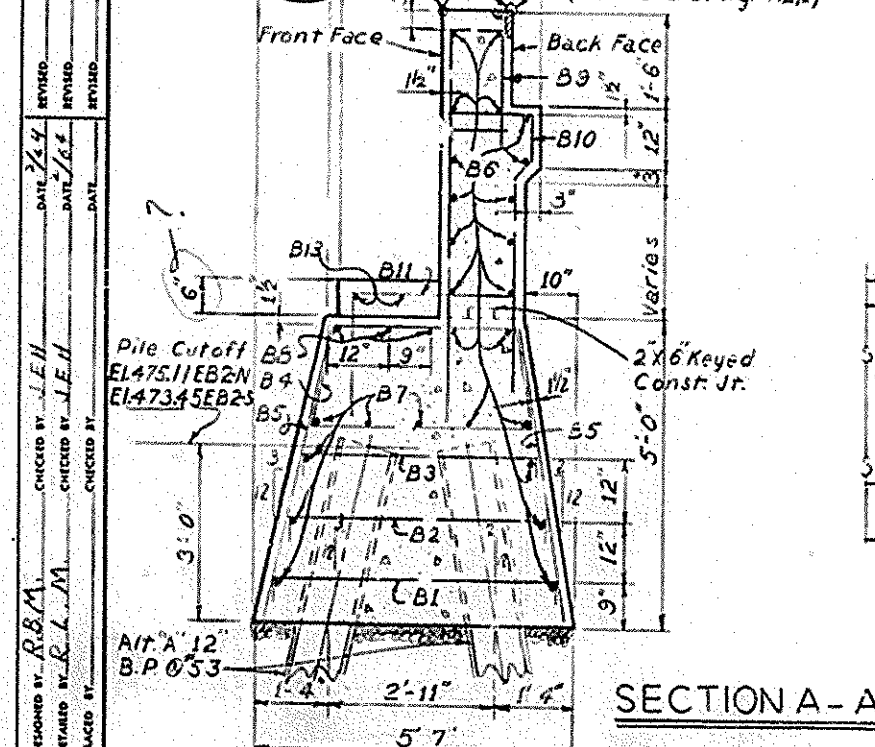
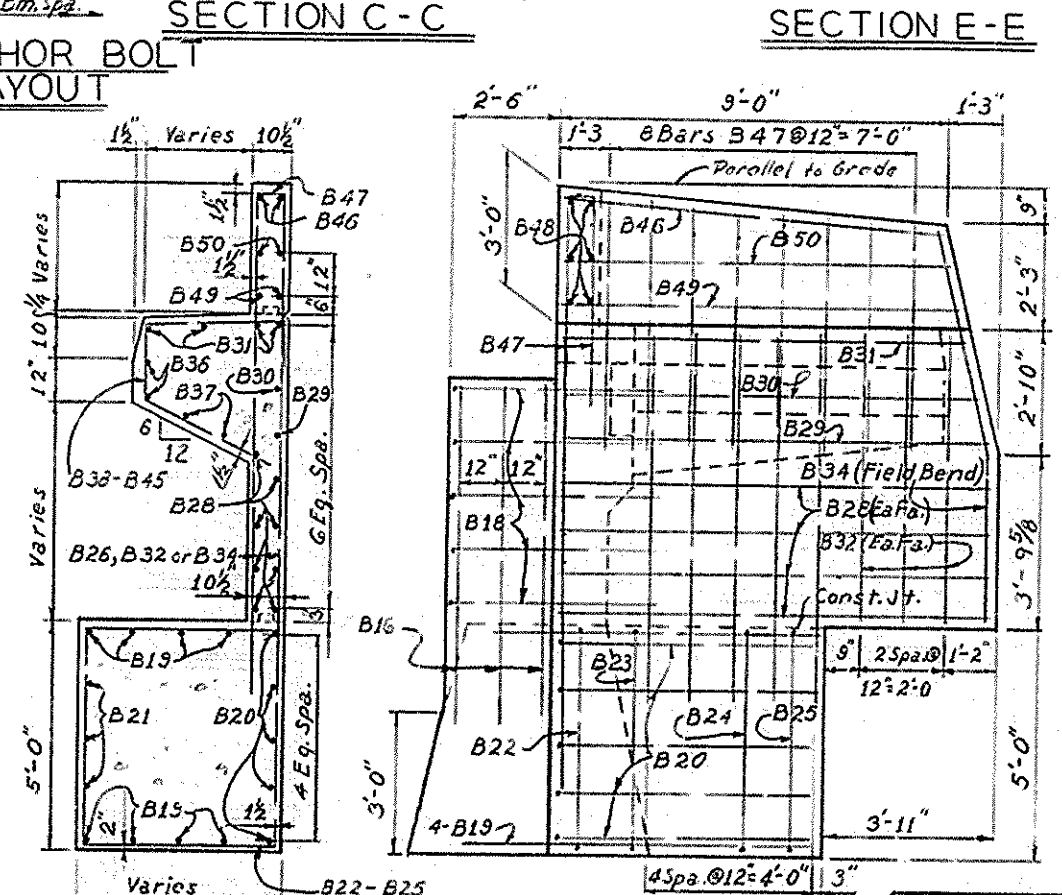
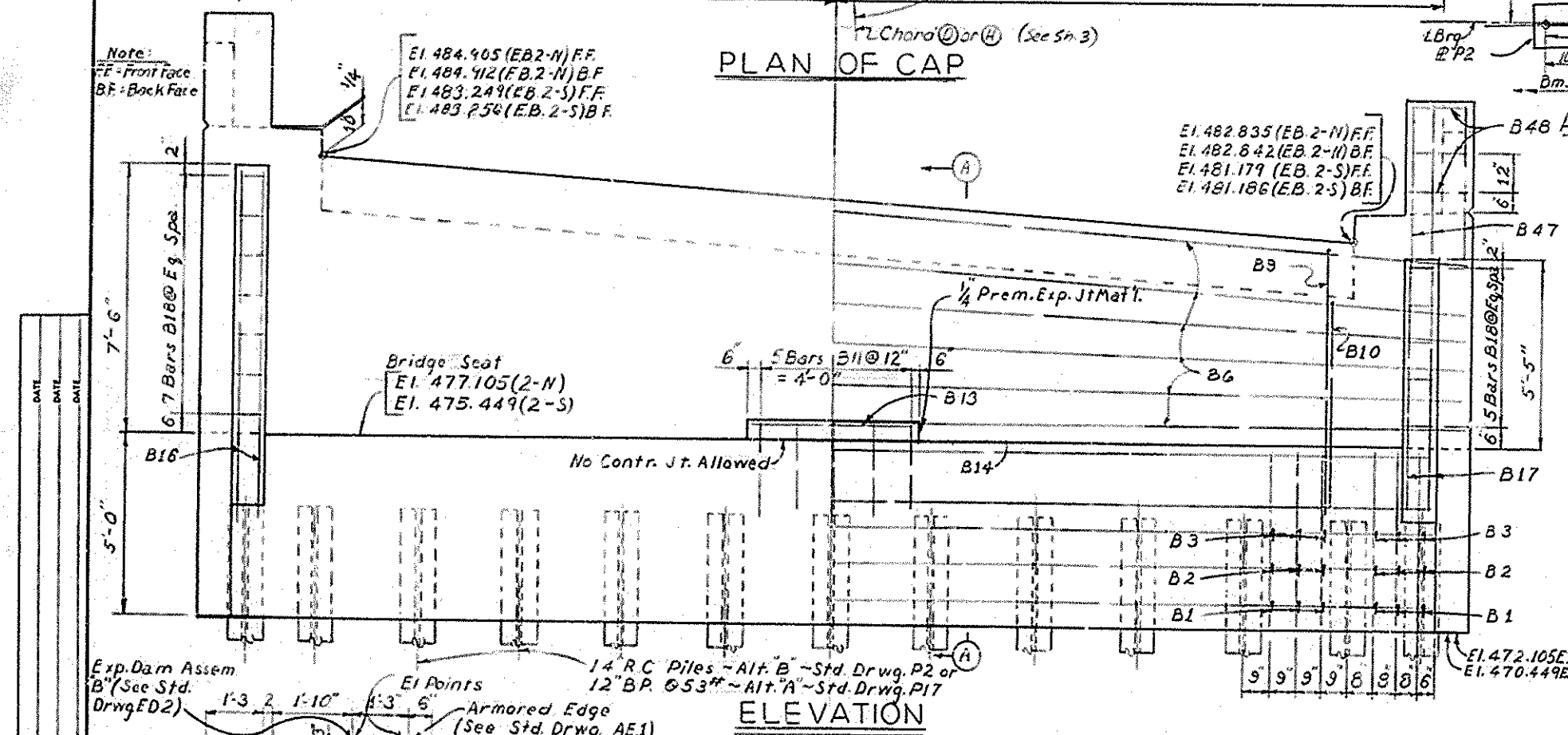
BILL OF REINFORCEMENT														
Bar No.	Bar Size	Bar Length	Location	FF	In	FF	In	FF	In	FF	In	FF	In	FF
V1	80	80	80	6	10	6	10	6	10	6	10	6	10	6
V2	40	40	40	6	9	2								
V3														
V4														
V5	24	24	24	11	14	2								
V6	26	26	18	14	17	5								
V7	32	32		11	16	11								
V8			32	11	12	11								
V9			32	11	10	11								
V10	60	60	60	6	13	5								
V11	34			5	34	10								
V12	24	24	24	11	29	6								
V13	34			5	25	10								
V14	2	2	2	4	12	9								
V15	2	2	2	4	12	1								
V16	3	3	3	8	20	6								
V17	64	46	22	34	5	20	6							
V18			34	5	13	10								
V19			34	5	19	10								
V20	7	7	7	11	23	4								
V21	4	4	4	11	31	4								
V22	4	4	4	4	31	2								
V23	13	13	13	10	34	0								
V24	59	59	59	6	14	4								
V25	4	4	4	6	14	3								
V26	4	4	4	6	14	1								
V27	4	4	4	6	13	10								
V28	4	4	4	6	13	8								
V29	4	4	4	6	13	5								
V30	4	4	4	6	13	3								
V31	4	4	4	6	1	0								
V32	4	4	4	6	12	10								
V33	4	4	4	6	12	7								

ESTIMATE OF QUANTITIES				
	Pier 5-N	Pier 5-S	Pier 6-N	Pier 6-S
Concrete, Class A (cu. yds.)	104.0	97.7	82.9	83.6
Reinforcement (lbs.)	17,413	18,709	16,798	17,080

COMMONWEALTH OF KENTUCKY
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STATION 1028+90 PROJECT NO.
BRIDGE NUMBER 15821 INDEX



FID NO.		DIST.		STATE.		FED. AID.		FISCAL YEAR.		SHEET NO.		TOTAL SHEETS.	
7		KY.											
BILL OF REINFORCEMENT													
Mark	Type	Number		Bar Size	Length Ft/IN	Location	a		b		c		d
		2-N	2-S				Ft/IN	FR	IN/FR	IN	Ft/IN		
B1	(1)	36	36	#4	5 6	Cap	5	0	0	4	0	4	
B2	(1)	36	36	#4	5 1	"	4	7	0	4	0	4	
B3	(1)	36	36	#4	4 E	"	4	2	0	4	0	4	
B4	(2)	36	36	#4	11 6	"							
B5	Str	72	72	#4	4 9	"							
B6	Str	20	20	#4	36 8	Cap/Parapet cap							
B7	Str	6	6	#4	35 8	"							
B8	Str	3	3	#6	35 8	"							
B9	(1)	30	30	#4	11 11	Parapet	1	0	9	2	2	0	
B10	(3)	34	34	#4	9 7	"							
B11	(1)	5	5	#5	4 ?	Key	3	1	1	9			
B12						Not Used							
B13	Str	2	2	#4	4 8	Key							
B14						Not Used							
B15						Not Used							
B16	Str	6	6	#4	9 9	End walls							
B17	Str	6	6	#4	7 8	"							
B18	(1)	12	12	#4	6 6	"	0	7 1/2	3	0	3	0	
B19	(4)	16	16	#8	9 1	Cap	7	7	1	6	0	10	B C
B20	(1)	10	10	#4	7 7	"	6	0	1	8	0	0	
B21	Str	6	6	#1	8 0	"							
B22	(5)	2	2	#4	18 11	"	4	5	4	8			
B23	(5)	2	2	#4	17 1	"	3	6	4	8			
B24	(5)	2	2	#4	13 9	"	1	10	4	8			
B25	(5)	2	2	#4	12 1	"	1	0	4	8			
B26	Str	10	10	#4	8 0	Wings							
B27	Str	10	10	#4	9 10	"							
B28	Str	20	20	#5	10 0	"							
B29	Str	2	2	#4	9 10	"							
B30	Str	2	2	#4	9 7	"							
B31	(1)	8	8	#8	17 1	Curb & Wings	8	8	10	7	0	0	
B32	Str	6	6	#4	6 4	Wings							
B33	Str	6	6	#4	8 5	"							
B34	Str	2	2	#4	8 7	"							
B35	Str	2	2	#4	10 8	"							
B36	Str	4	4	#8	8 8	Curb							
B37	Str	4	4	#4	8 8	"							
B38	(6)	4	4	#4	9 2	"	3	1 1/2	3	5 1/2	1	6 1/2	3
B39	(6)	2	2	#4	8 10	"	2	1 1/2	3	1	5 1/2	2	11 1/2
B40	(6)	2	2	#4	8 5	"	2	9	3	1	1	4 1/2	5
B41	(6)	2	2	#4	8 0	"	2	6 1/2	2	10	1	3 1/2	6 1/2
B42	(6)	2	2	#4	7 6	"	2	4	2	7	1	2	4
B43	(6)	2	2	#4	7 1	"	2	1 1/2	2	4	1	0 1/2	1 1/2
B44	(6)	2	2	#4	6 8	"	1	11	2	1 1/2	0	1 1/2	1
B45	(6)	2	2	#4	6 2	"	1	8 1/2	1	10 1/2	0	10	1
B46	Str	4	4	#4	8 8	Wings							
B47	(1)	22	22	#4	6 6	"	0	7 1/2	4	0	4	0	
B48	Str	12	12	#4	4 1	"							
B49	Str	4	4	#4	9 0	"							
B50	Str	4	4	#4	8 10	"							

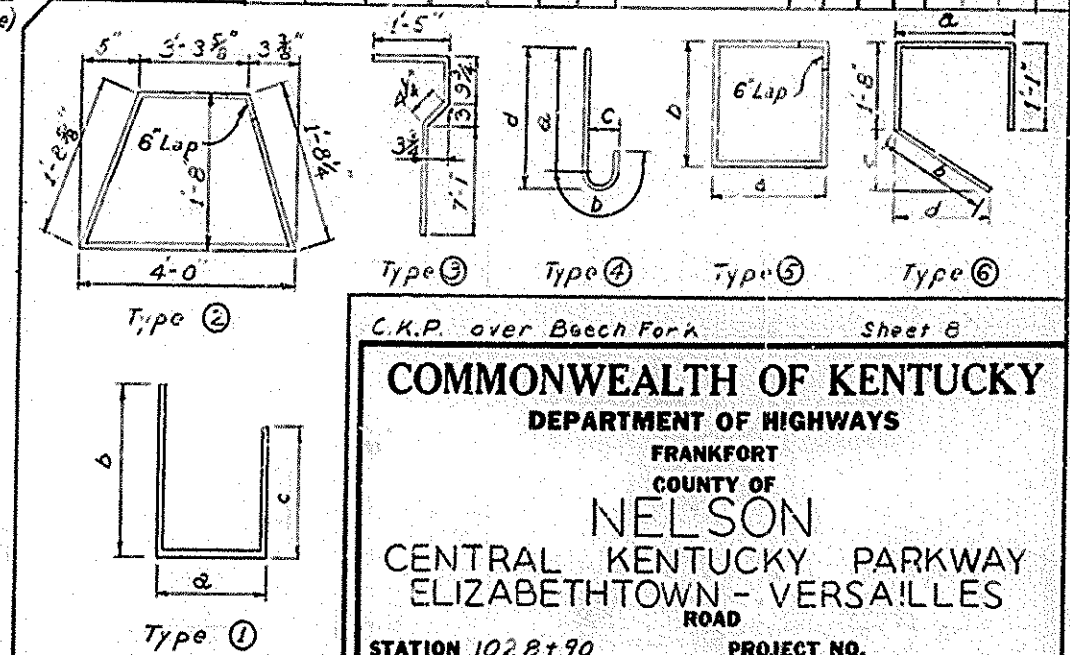


ESTIMATE OF QUANTITIES		
Item	E.B. 2-N	E.B. 2-S
Concrete, Class "A" (Cu.Yds)	56.7	56.7
Reinforcement (Lbs.)	4,662	4,662
Note: Structural Steel (Lbs.)	345	345

Note: Structural Steel (Lbs) 345 345

Dress subgrade to 2" below plan elevation for bottom of cap. Add a 2" layer of No. 6 crushed stone & gravel and tamp into subgrade. Place 1:2 cement mortar up to bottom of cap elevation. 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 materials and work shall be incidental to and shall be included in the unit price bid for Class "A" Concrete.



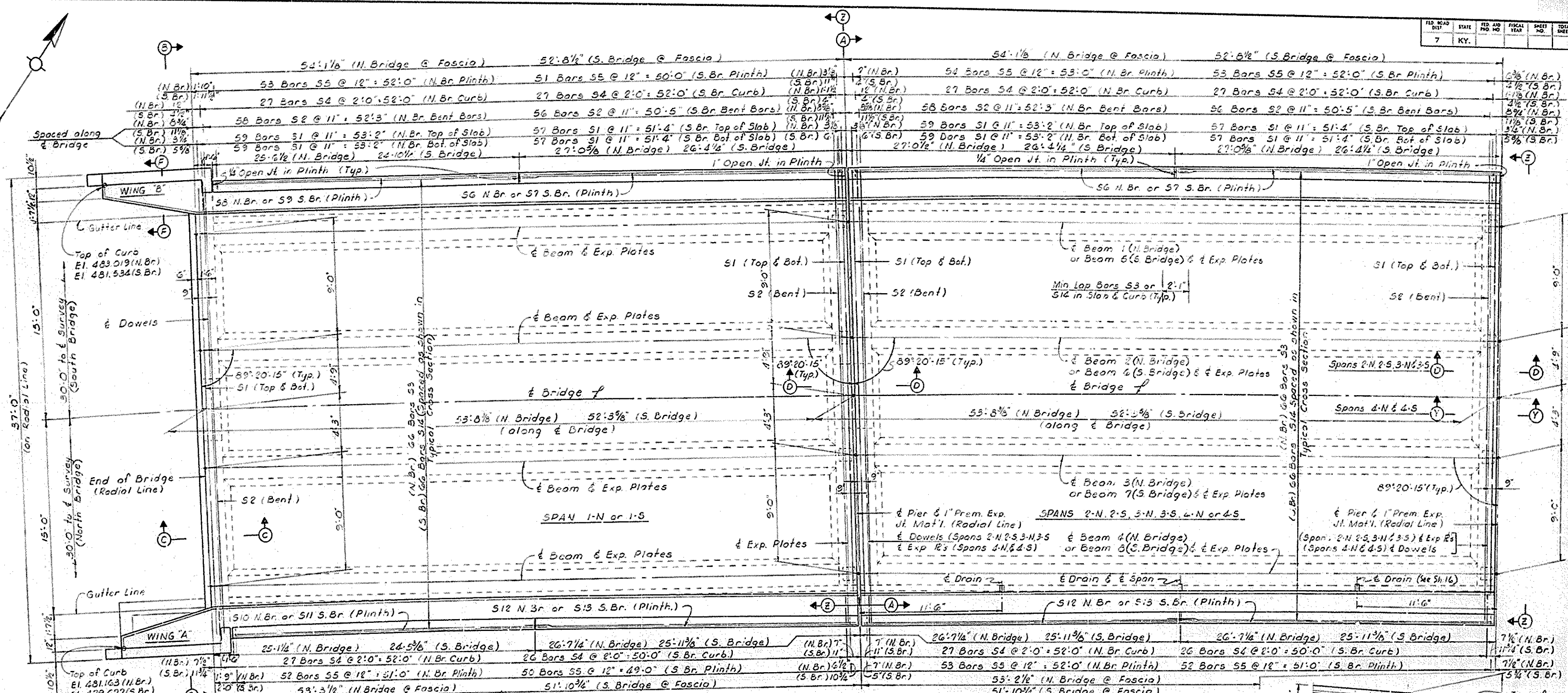
C.K.P. over Beech Fork Sheet 8

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

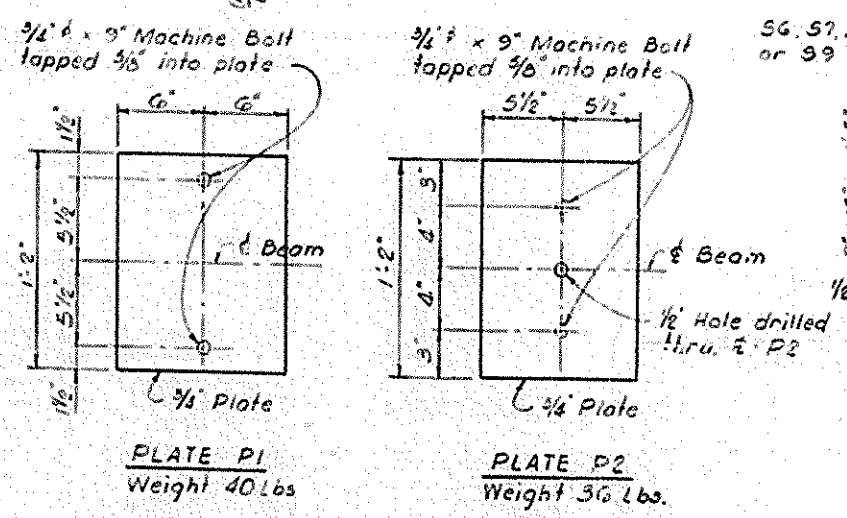
STATION 1028+90		PROJECT NO.	
BRIDGE NUMBER	DRAWING 15321 NO.	INDEX	

END BENT 2-N & 2-S



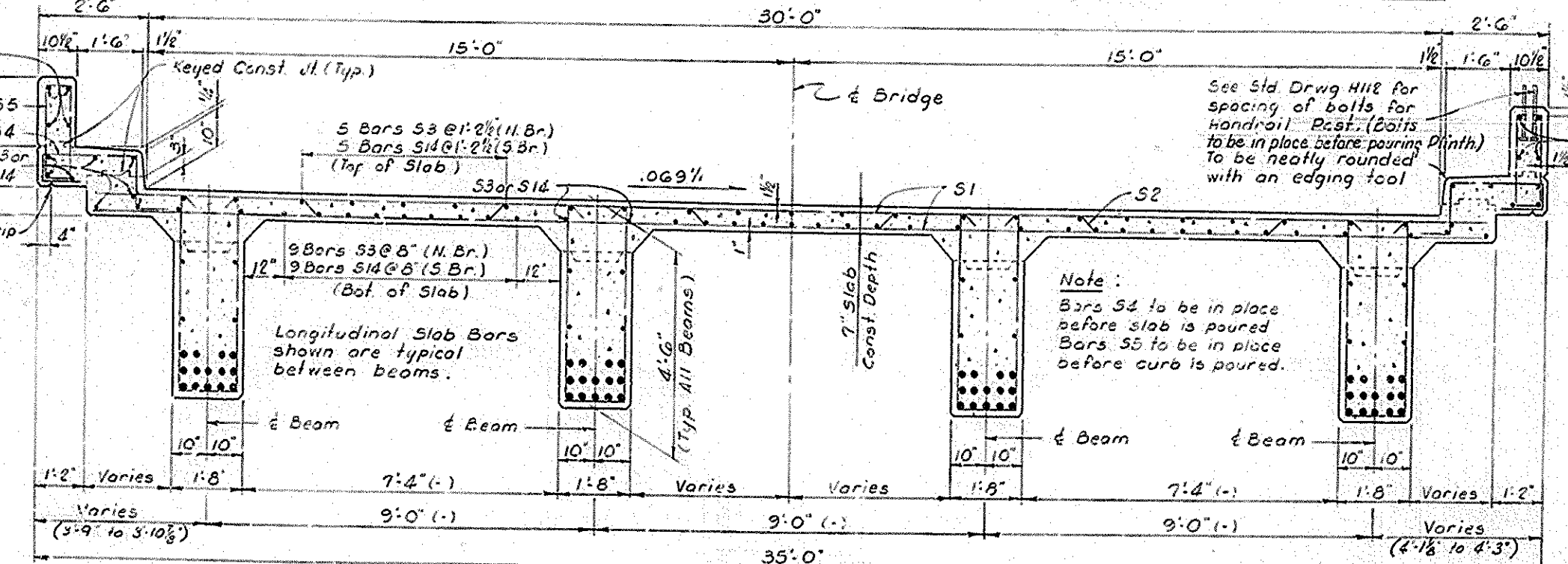


PART PLAN - NORTH BRIDGE OR SOUTH BRIDGE

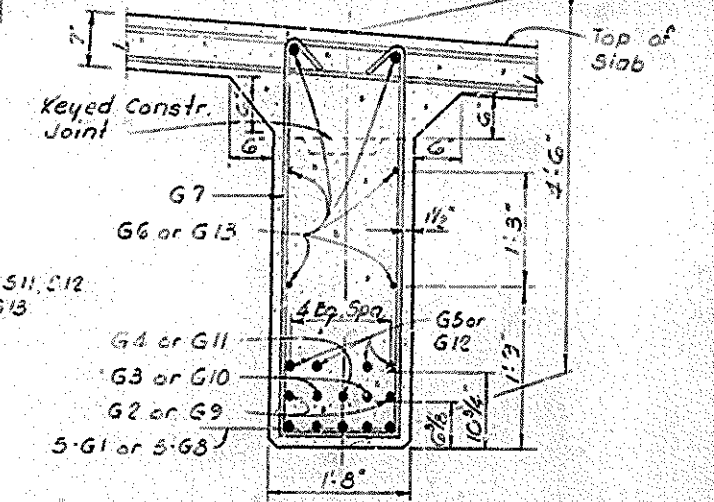


4 Plates P1 & 4 Plates P2 required for each span. All plates to be ASTM B22 Class "C" or B100 No. 1 or No. 2 current specifications with sliding surfaces finely polished. Machine Bolts to be furnished but are not included in the weight of plates given. Cost of Bolts to be included in unit price bid for plates.

EXPANSION PLATES DETAILS



TYPICAL CROSS SECTION
(On Radial Line - Looking Ahead)



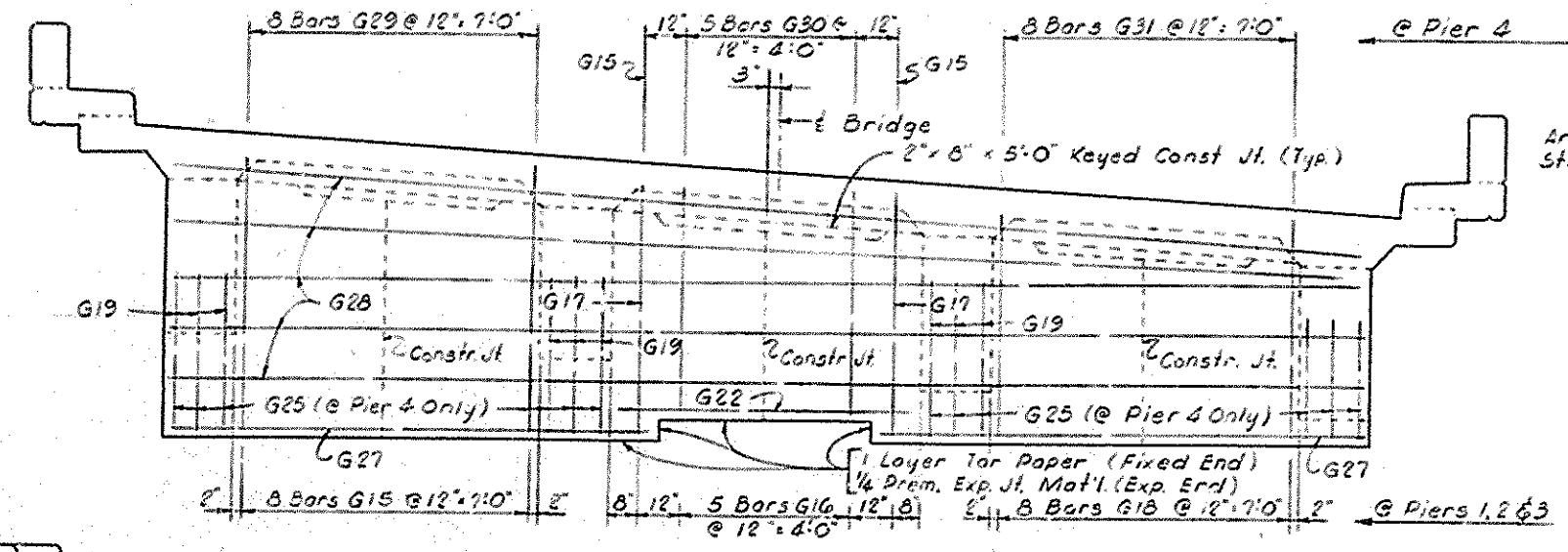
TYPICAL BEAM SECTION

SUPERSTRUCTURE
SPANS 1, 2, 3 & 4
(3 Sheets)

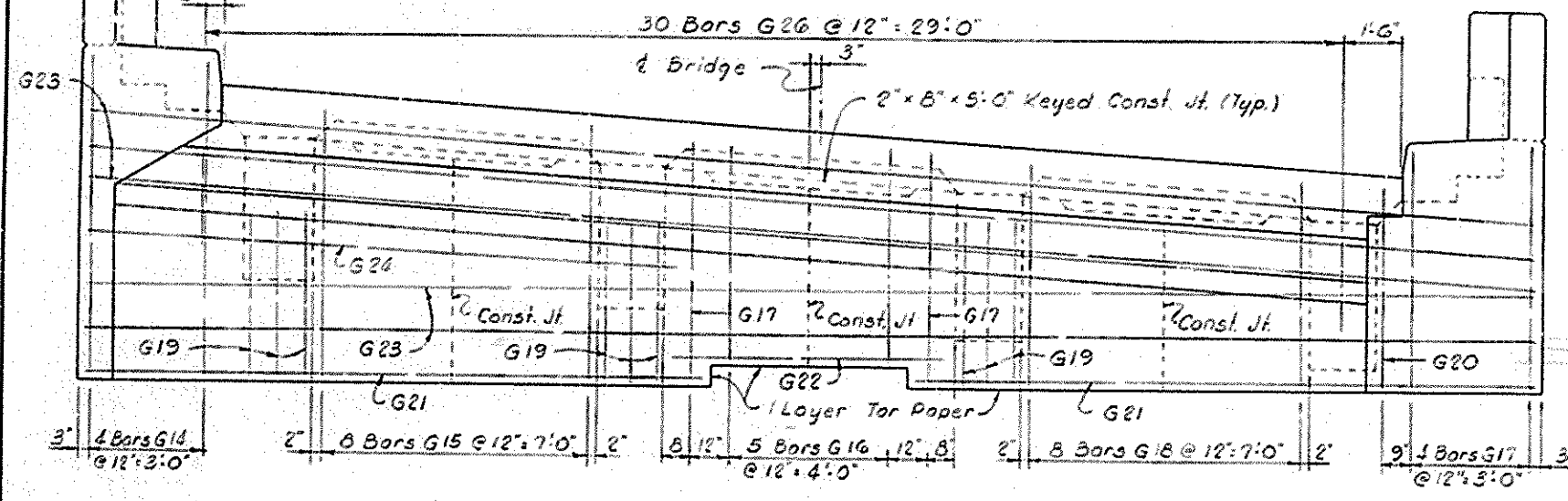
C.K.P. over Beech Fork Sheet 9

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
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ROAD

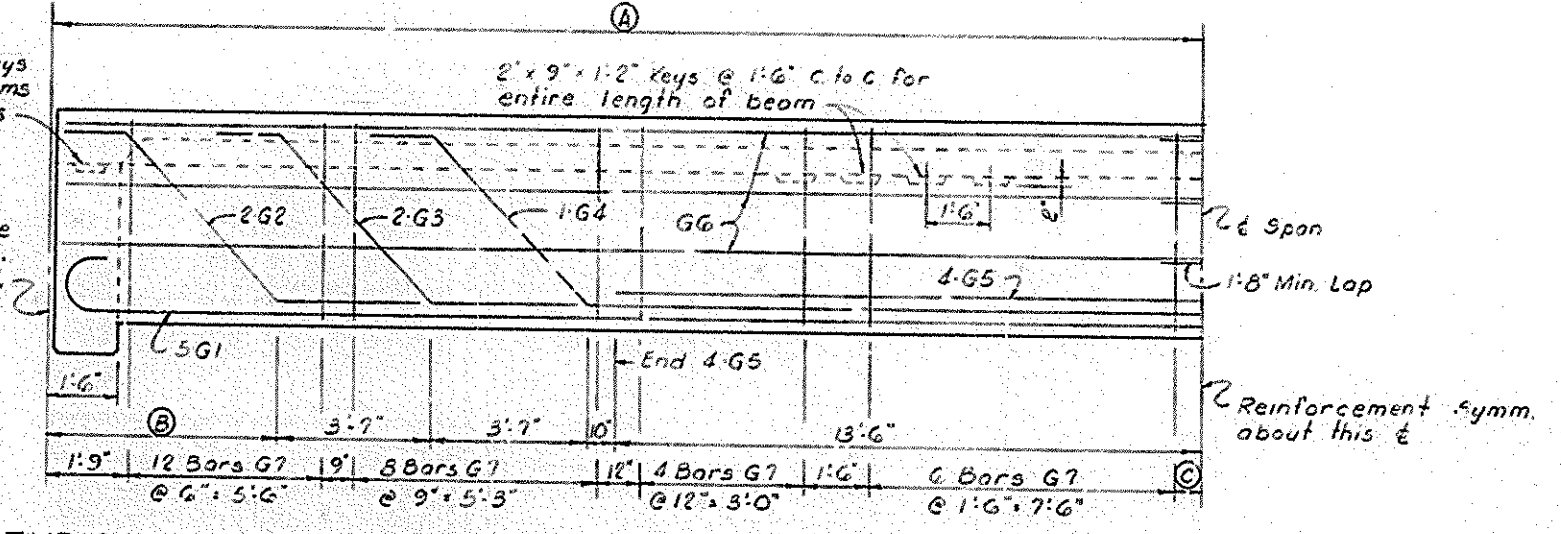
STATION 1023+90 PROJECT NO.
BRIDGE NUMBER 15821



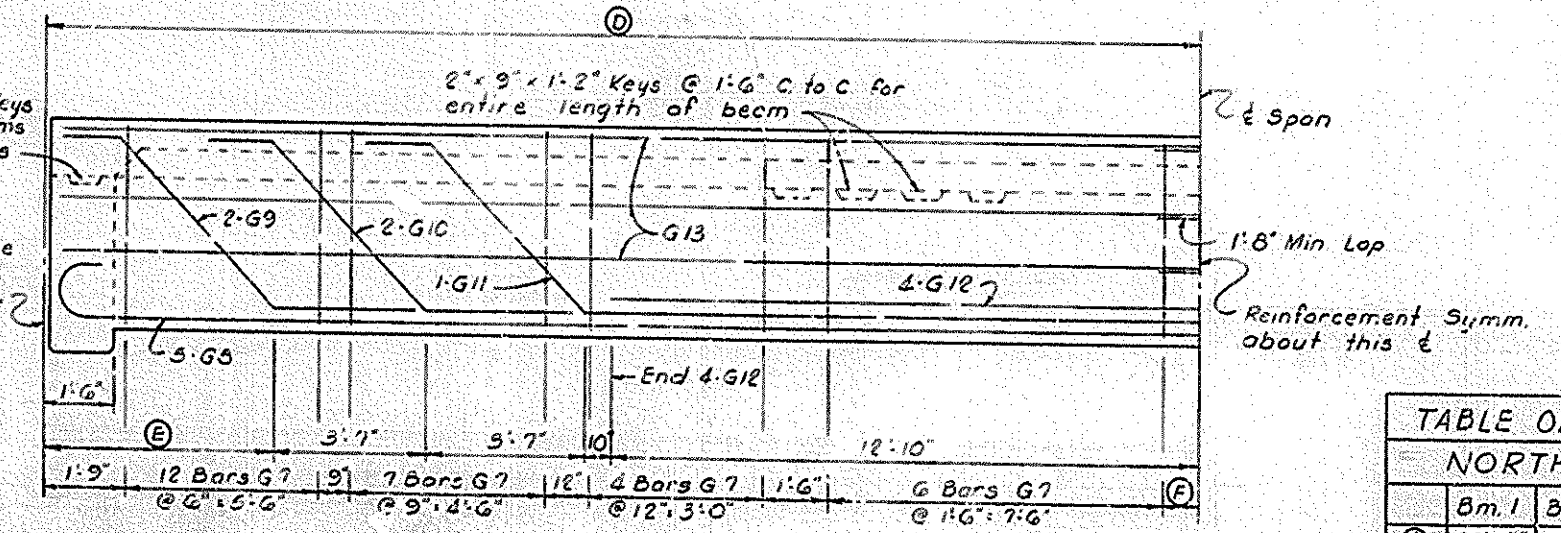
ELEVATION A-A ELEVATION Z-Z (OPPOSITE HAND)



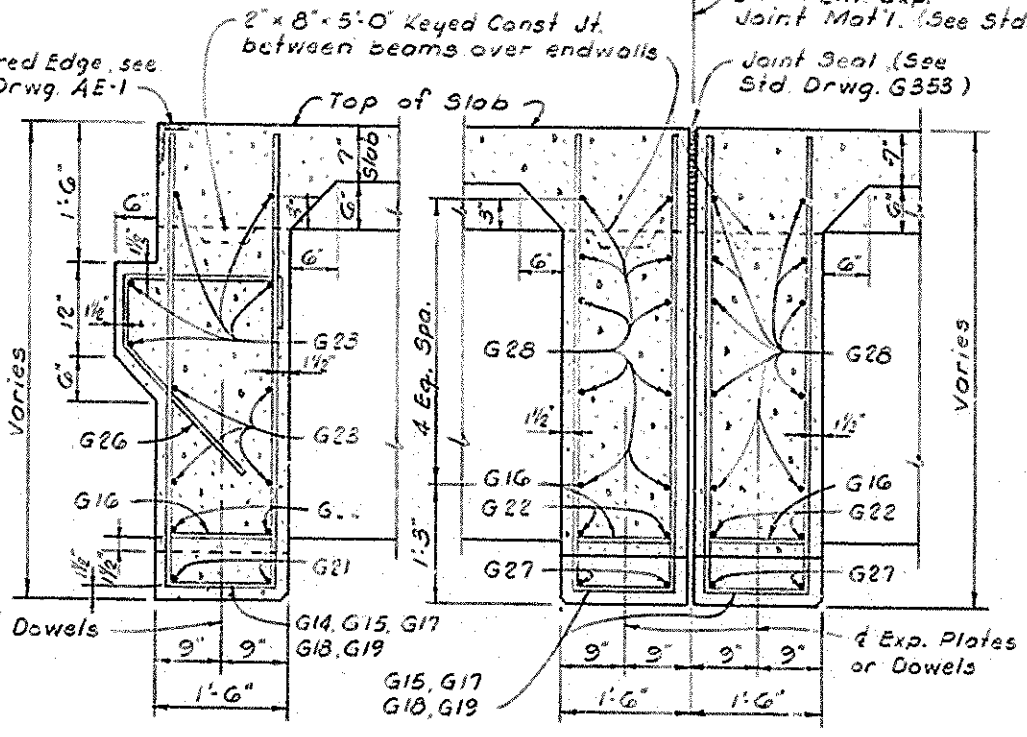
ELEVATION B-B



TYPICAL LONGITUDINAL SECTION ON C BEAM - NORTH BRIDGE

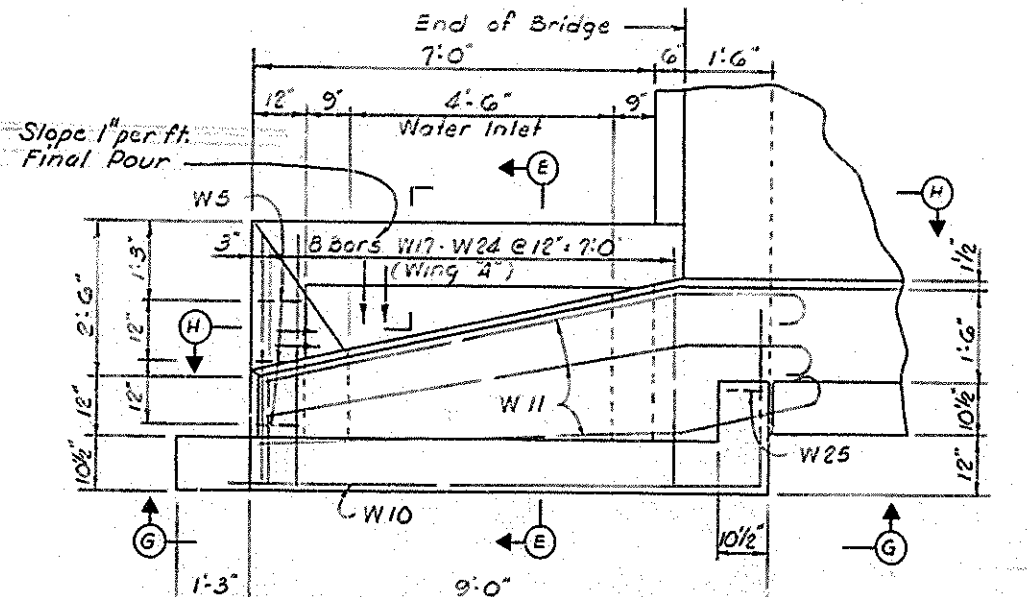


TYPICAL LONGITUDINAL SECTION ON C BEAM - SOUTH BRIDGE

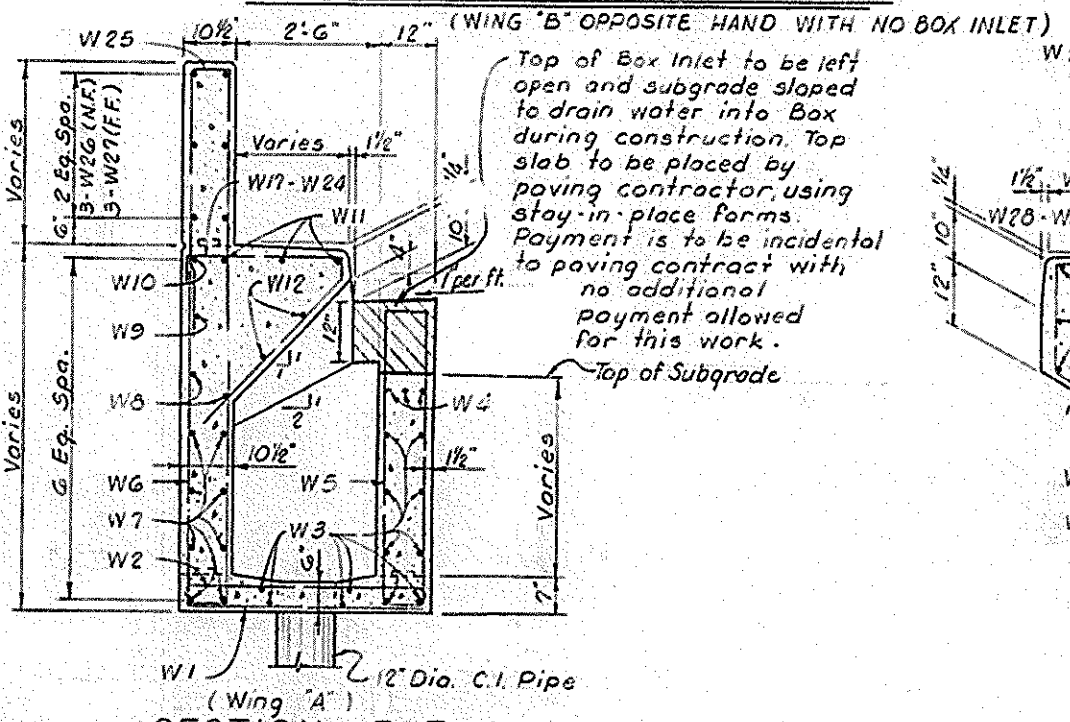


SECTION C-C

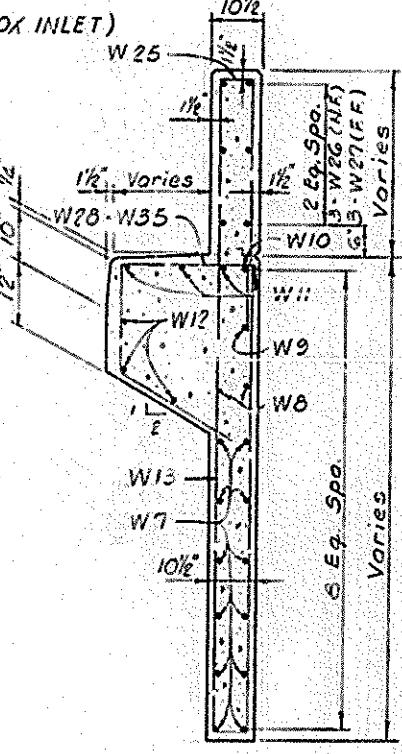
SECTION D-D



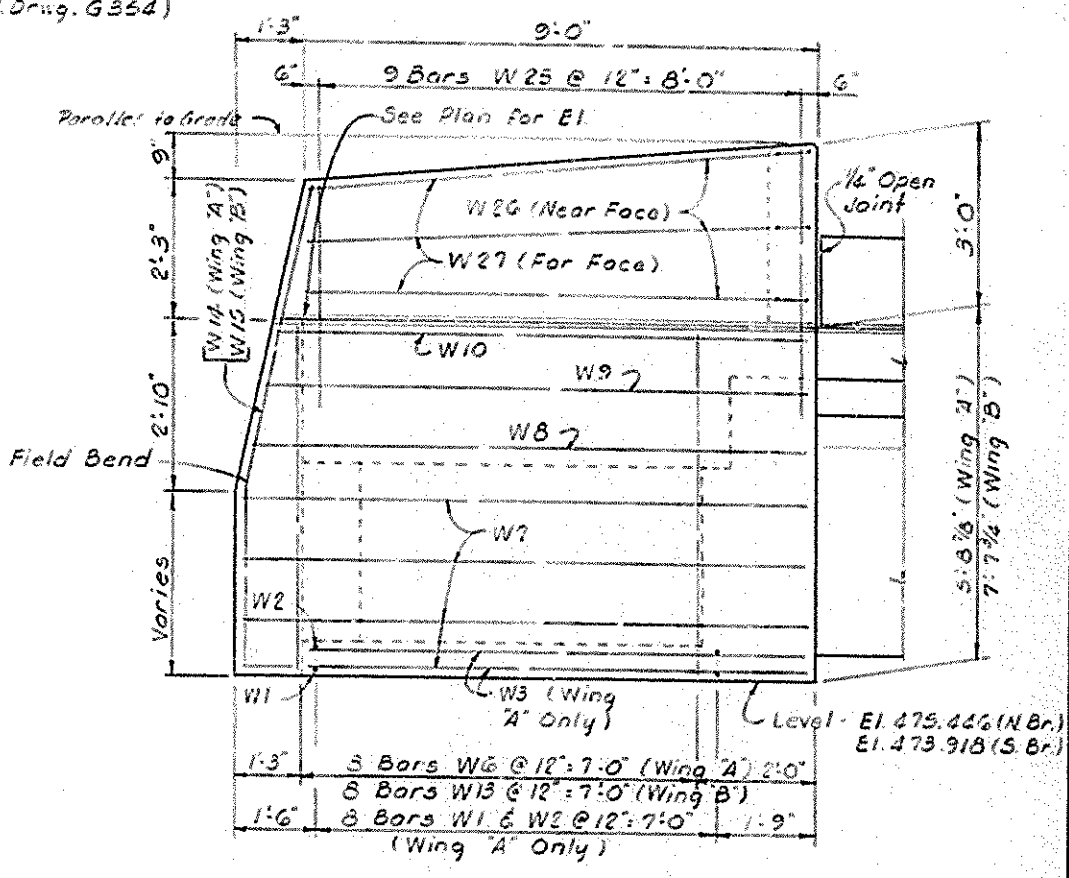
WING WALL PLAN - WING "A"



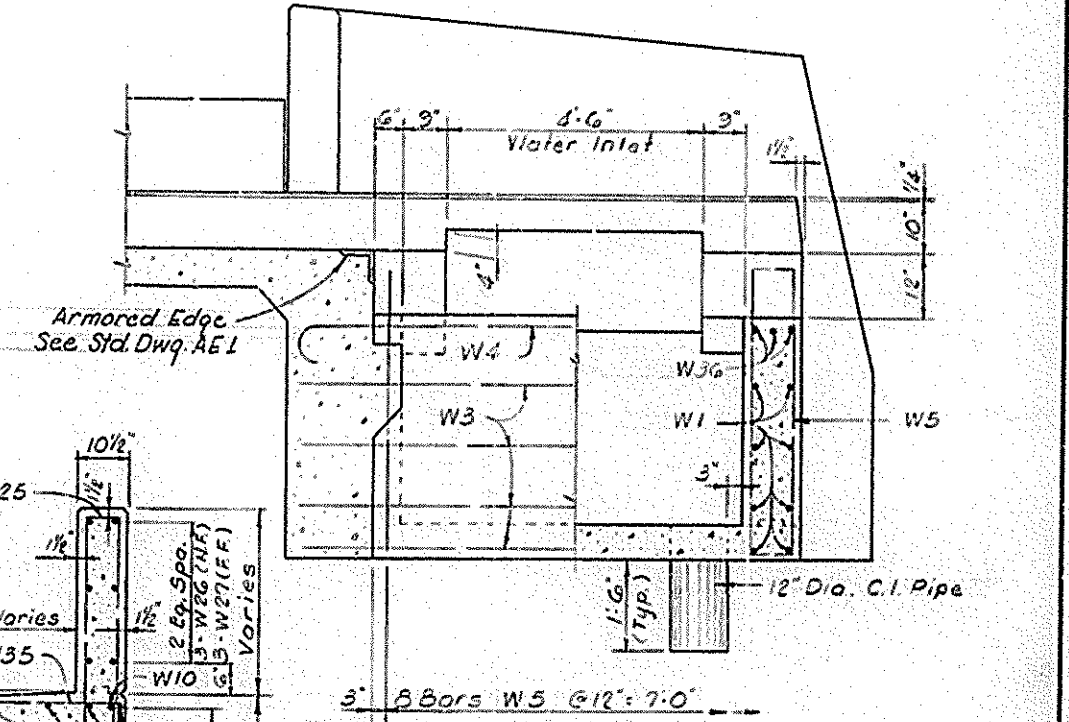
SECTION E-E



SECTION F-F



ELEVATION G-G



SECTION H-H

NORTH BRIDGE				SOUTH BRIDGE			
Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5	Bm. 6	Bm. 7	Bm. 8
27'-0"	26'-10"	26'-9"	26'-8"	26'-3"	26'-2"	26'-1"	26'-0"
5'-2"	5'-4"	5'-3"	5'-2"	5'-5"	5'-4"	5'-3"	5'-2"
9'	7'	6'	5'	9'	8'	7'	6'

SUPERSTRUCTURE
SPANS 1, 2, 3 & 4
(3 Sheets)

C.K.P. over Beech Fork Sheet 10

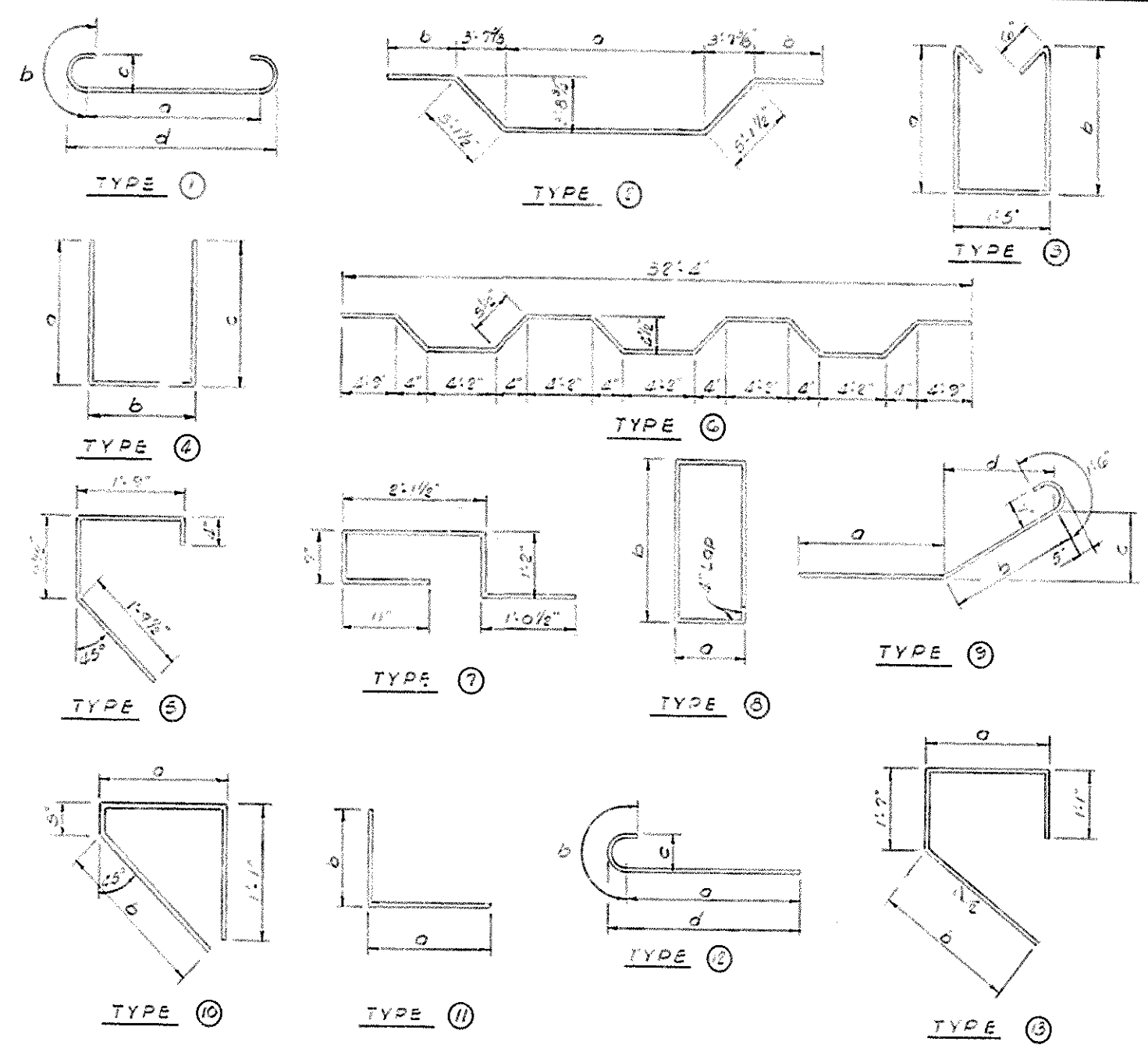
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

STATION 1025 + 90 PROJECT NO. 15321

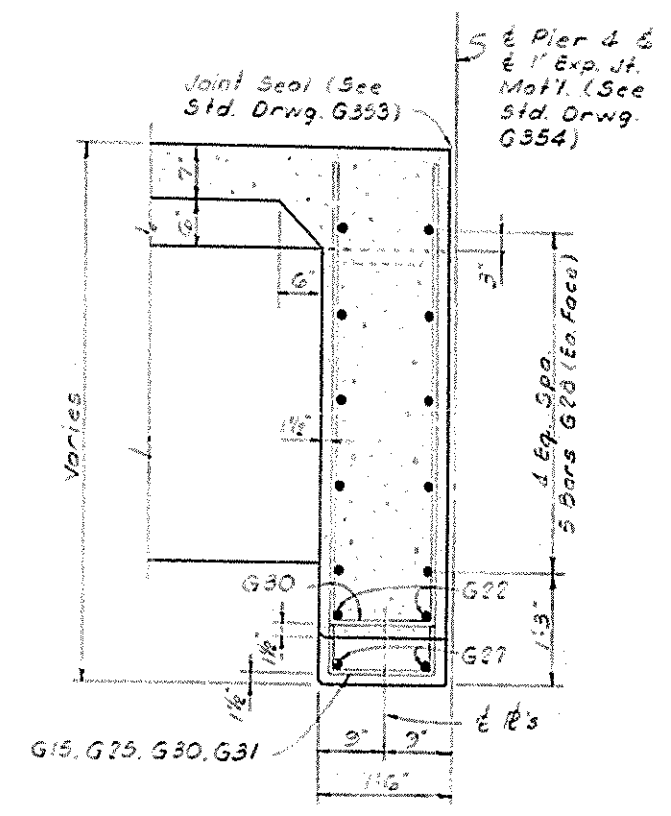
BRIDGE NUMBER 15321 INDEX

BILL OF REINFORCEMENT

MARK	TYPE	NUMBER OF BARS								BAR SIZE	LENGTH		LOCATION	a		b		c		d	
		NORTH BRIDGE				SOUTH BRIDGE					Ft.	In.		Ft.	In.	Ft.	In.	Ft.	In.		
		1-N	2-N	3-N	4-N	1-S	2-S	3-S	4-S												
G1	①	20	20	20	20					#11	56	2	Beams	51	10	2	2	1	1 3/4	52	11 1/2
G2	②	8	8	8	8					#11	55	11									
G3	③	8	8	8	8					#11	49	1									
G4	④	4	4	4	4					#11	41	11									
G5	Str.	16	16	16	16					#11	27	0									
G6	"	48	48	48	48					#4	27	8									
G7	⑤	240	240	240	240	232	232	232	232	#4	10	9									
G8	⑥					20	20	20	20	#11	54	9									
G9	⑦					8	8	8	8	#11	54	7									
G10	⑧					8	8	8	8	#11	47	9									
G11	⑨					4	4	4	4	#11	40	7									
G12	Str.					16	16	16	16	#11	25	8									
G13	Str.					48	48	48	48	#4	27	0									
G14	⑩	4				4				#4	15	3	End Walls	7	4	1	2 1/2	7	4		
G15	⑪	16	16	16	16	16	16	16	16	#4	13	1									
G16	⑫	10	10	10	10	10	10	10	10	#4	11	1									
G17	⑬	8	8	8	8	8	8	8	8	#4	11	11									
G18	⑭	16	16	16	16	16	16	16	16	#4	10	7									
G19	⑮	18	18	18	18	18	18	18	18	#5	8	3									
G20	⑯	1				1				#4	10	3									
G21	Str.	4				4				#5	15	8									
G22	"	4	4	4	4	4	4	4	4	#5	7	8									
G23	"	9				9				#5	36	8									
G24	"	2				2				#5	15	0									
G25	⑰									#5	9	5									
G26	⑱	30				30				#4	4	6									
G27	Str.	4	8	8	8	4	8	8	8	#5	11	6									
G28	"	10	20	20	20	10	20	20	20	#5	28	4									
G29	⑲					8				#4	14	3									
G30	"					5				#4	12	3									
G31	"					8				#4	11	9									
S1	Str.	118	118	118	118	114	114	114	114	#5	32	4	Slab	6	7	1	2 1/2	6	7		
S2	⑳	58	58	58	58	56	56	56	56	#5	33	1									
S3	Str.	132	132	132	132					#5	27	11	Slab & Curb								
S4	㉑	54	54	54	54	53	53	53	53	#4	5	6	Curb								
S5	㉒	105	107	107	107	101	105	105	105	#4	6	2	Plinth	0	7 1/2	2	1				
S6	Str.	4	8	8	8					#4	26	8									
S7	"					4	8	8	8	#4	26	0									
S8	"	4								#4	25	2									
S9	"					4				#4	24	6									
S10	"	4								#4	24	9									
S11	"					4				#4	24	1									
S12	"	4	8	8	8					#4	27	3									
S13	"					4	8	8	8	#4	25	7									
S14	"					132	132	132	132	#5	27	2	Slab & Curb								
W1	Str.	16				16				#4	4	0	Box Inlet								
W2	㉓	8				8				#4	5	0									
W3	Str.	12				12				#4	8	8									
W4	㉔	8				8				#5	9	9									
W5	㉕	11				11				#4	11	1									
W6	㉖	8				8				#4	9	11	Wing Wall	5	5	0	7 1/2	4	0 1/2		
W7	Str.	20				20				#5	9	11									
W8	"	4				4				#4	9	9									
W9	"	2				2				#4	9	6									
W10	㉗	2				2				#5	12	0	Wing Curb	5	3	2	11				
W11	㉘	6				6				#8	11	1									
W12	Str.	5				5				#4	8	7									
W13	㉙	8				8				#4	14	2	Wing Wall	7	4	0	7 1/2	6	2		
W14	Str.	2				2				#4	7	9									
W15	"	2				2				#4	9	7									
W16										NOT USED											
W17	㉚	1				1				#4	5	4	Wing Curb	1	8	2	4				
W18	㉛	1				1				#4	5	9									
W19	㉜	1				1				#4	6	3									
W20	㉝	1				1				#4	6	9									
W21	㉞	1				1				#4	7	3									
W22	㉟	1				1				#4	7	9									
W23	㊱	1				1				#4	8	3									
W24	㊲	1				1				#4	8	9									
W25	㊳	20				20				#5	8	10	End Post	4	2	0	7 1/2	4	2		
W26	㊴	6				6				#4	11	7									
W27	㊵	6				6				#4	8	11									
W28	㊶	1				1				#4	6	0	Wing Curb	1	8	1	10				
W29	"	1				1				#4	6	4									
W30	"	1				1				#4	6	9									
W31	"	1				1				#4	7	3									



MARK	TYPE	NUMBER OF BARS								BAR SIZE	LENGTH		LOCATION	a		b		c		d	
		NORTH BRIDGE				SOUTH BRIDGE					FR.	IN.		FR.	IN.	FR.	IN.	FR.	IN.		
		1-N	2-N	3-N	4-N	1-S	2-S	3-S	4-S												
W32	(9)	1				1				"4	7	8	Wing Curb	2	5 1/2	2	3 1/2				
W33		1				1				"4	8	1		2	8	2	11				
W34		1				1				"4	8	7		2	10 1/2	3	2 1/2				
W35		1				1				"4	9	0		3	1	3	5				
W36	(11)	3				3				"6	4	11	Wing Bar	2	0	1	0				



ESTIMATE OF QUANTITIES								
	NORTH BRIDGE				SOUTH BRIDGE			
	SPAN 1-N	SPAN 2-N	SPAN 3-N	SPAN 4-N	SPAN 1-S	SPAN 2-S	SPAN 3-S	SPAN 4-S
Concrete, Class 'A' (Cu Yds)	131.0	120.0	120.0	120.0	129.0	117.0	117.0	117.0
Reinforcement (Lbs.)	29,811	28,212	28,212	28,241	28,989	27,396	27,396	27,425
Structural Steel (Lbs.)	345	114	114	114	345	114	114	114

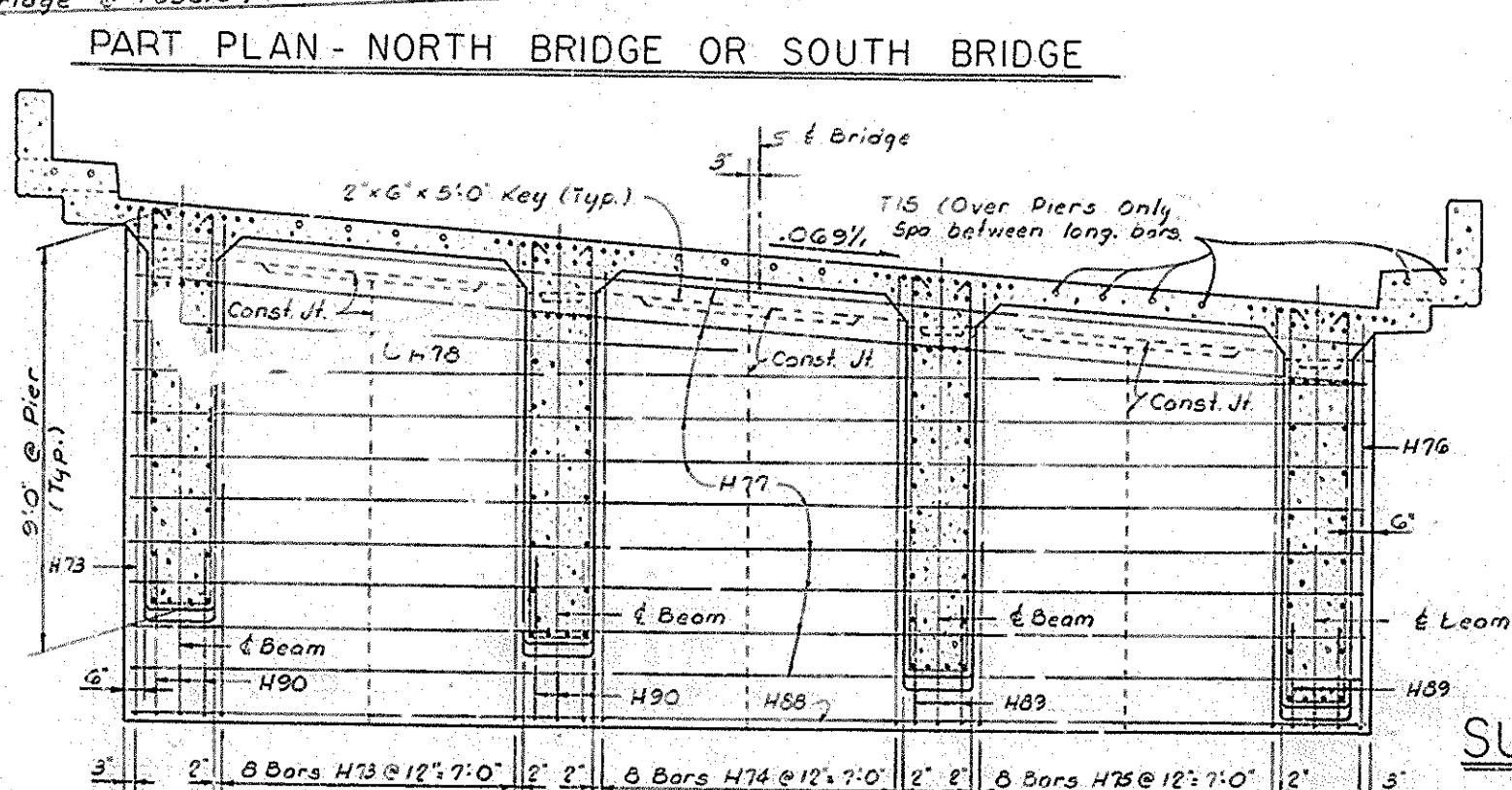
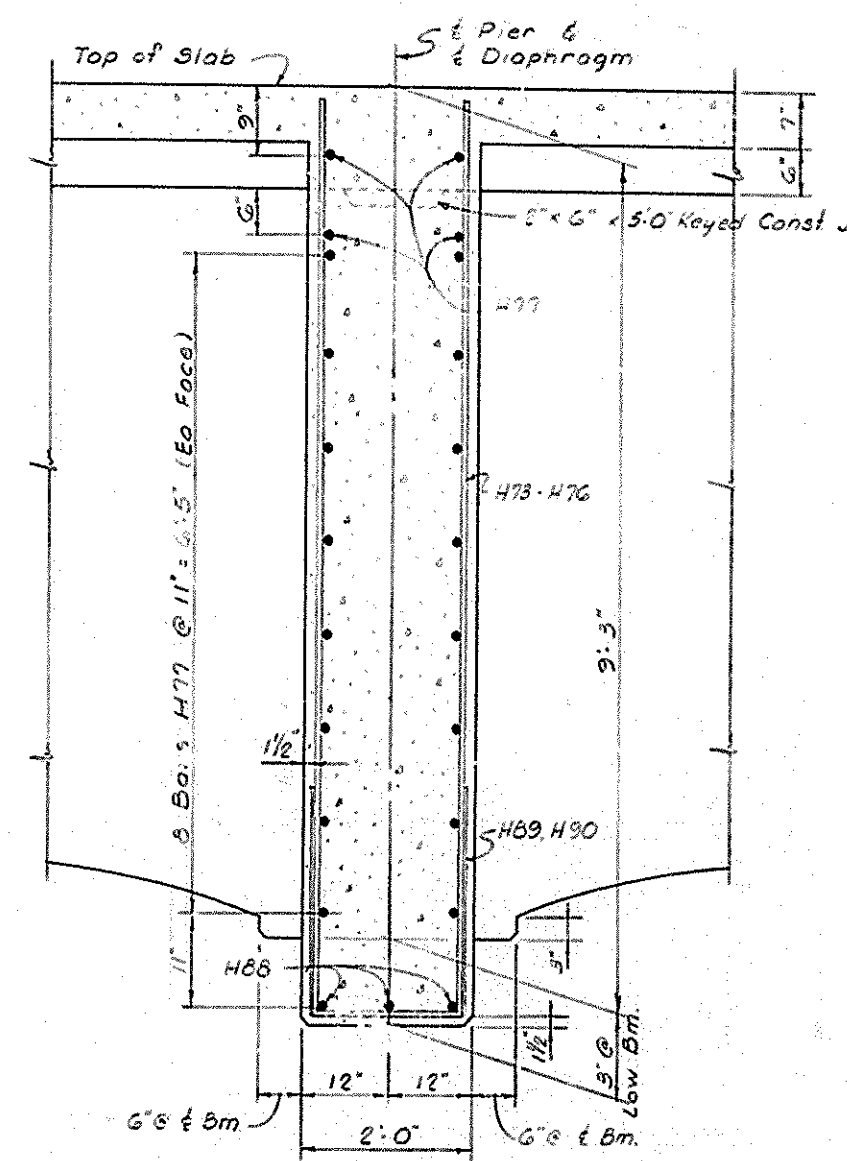
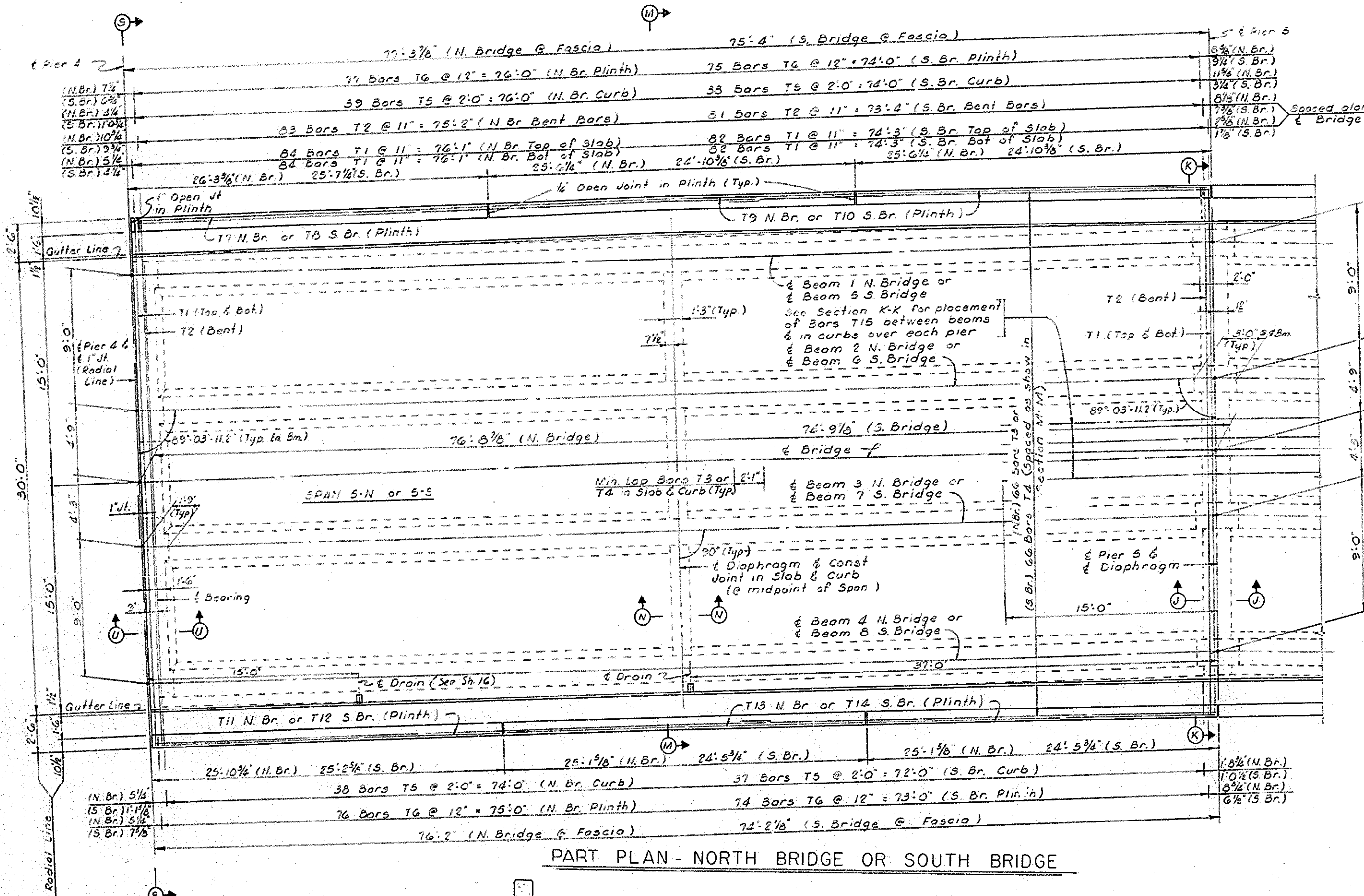
SUPERSTRUCTURE
SPANS 1, 2, 3 & 4
(3 Sheets)

C.K.P. over Beech Fork Sheet 11

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORD
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

STATION 1025+90 PROJECT NO.
BRIDGE NUMBER 15821 INDEX

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



Note:
For Slab, Curb and
Plinth Reinforcement
see Section M-M
Sheet 13

SECTION K-K

SUPERSTRUCTURE
SPANS 5, 6 & 7

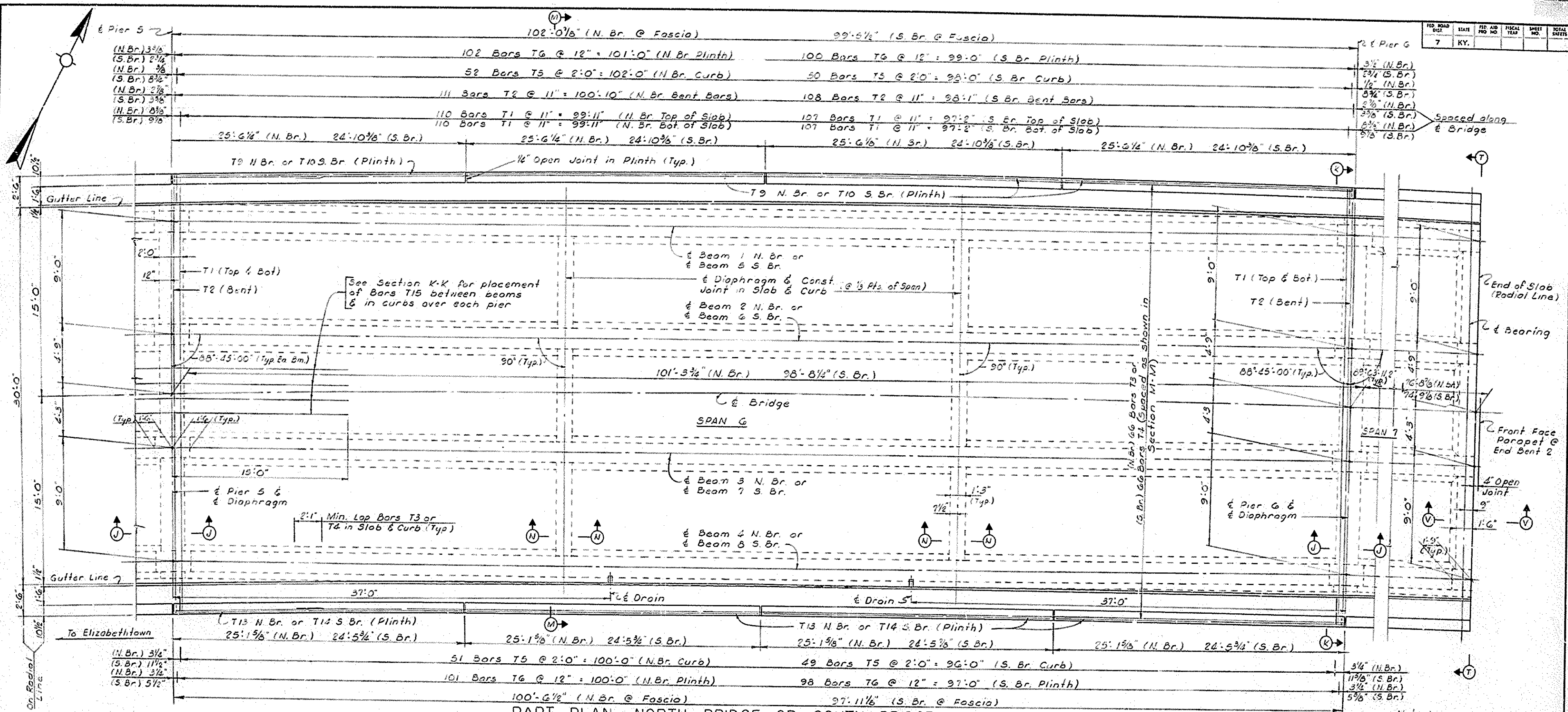
C.K.R. over Beech Fork Sheet 12

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

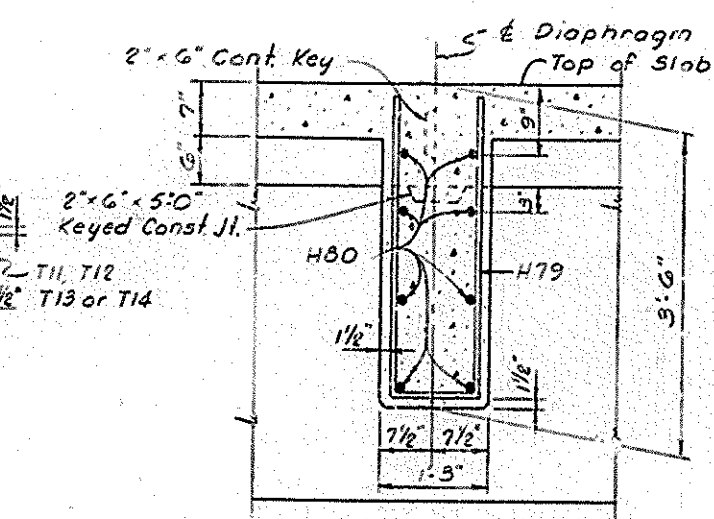
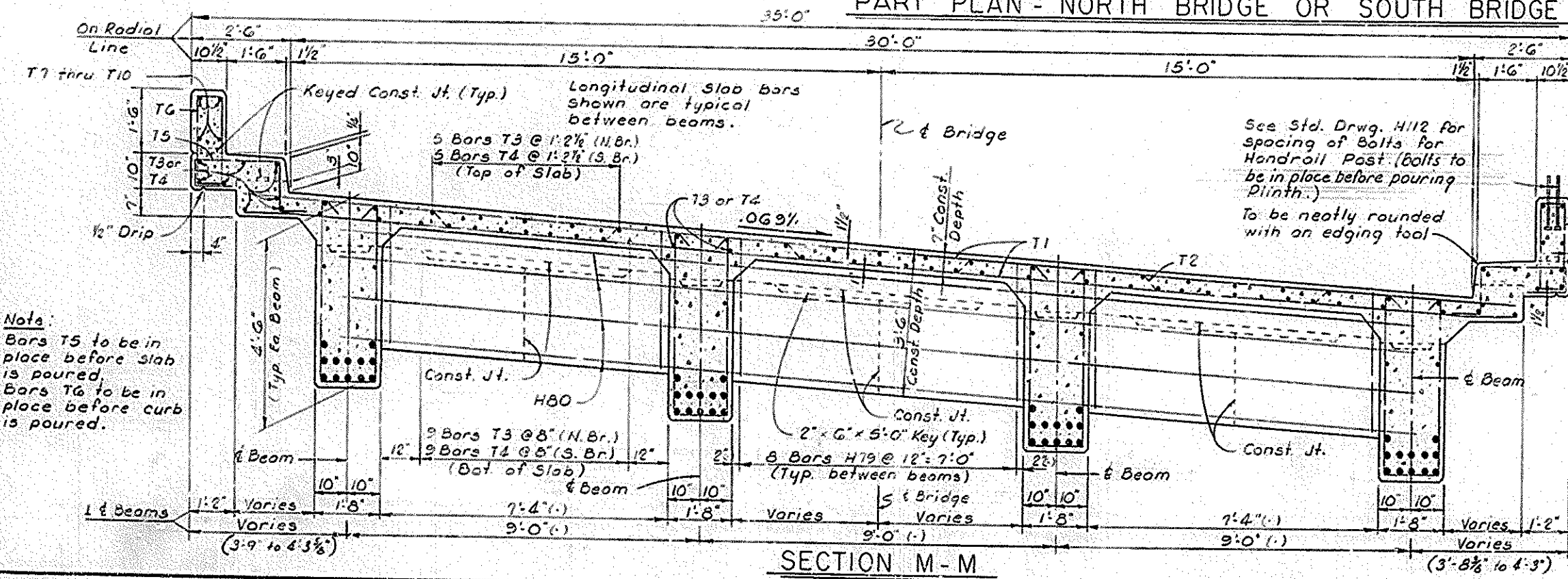
STATION 1026+90 PROJECT NO.
BRIDGE NUMBER 15821

DESIGNED BY	CHECKED BY	DATE	DESIGNED BY	CHECKED BY	DATE
RAK	LEH	11/1/68	RAK	LEH	11/1/68
DRAWN BY	CHECKED BY	DATE	DRAWN BY	CHECKED BY	DATE
NET	LEH	11/1/68	NET	LEH	11/1/68

FILE NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



Note:
Details of Span 7 same
as shown for Span 5 on
Sheet 12



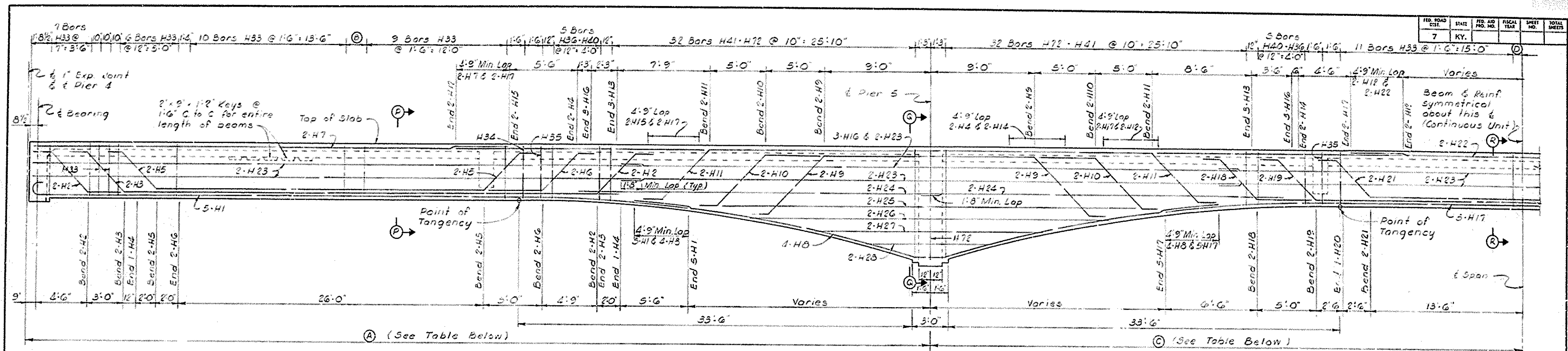
SECTION N-N
SUPERSTRUCTURE
SPANS 5, 6 & 7

Note:
Bars T5 to be in
place before slab
is poured.
Bars T6 to be in
place before curb
is poured.

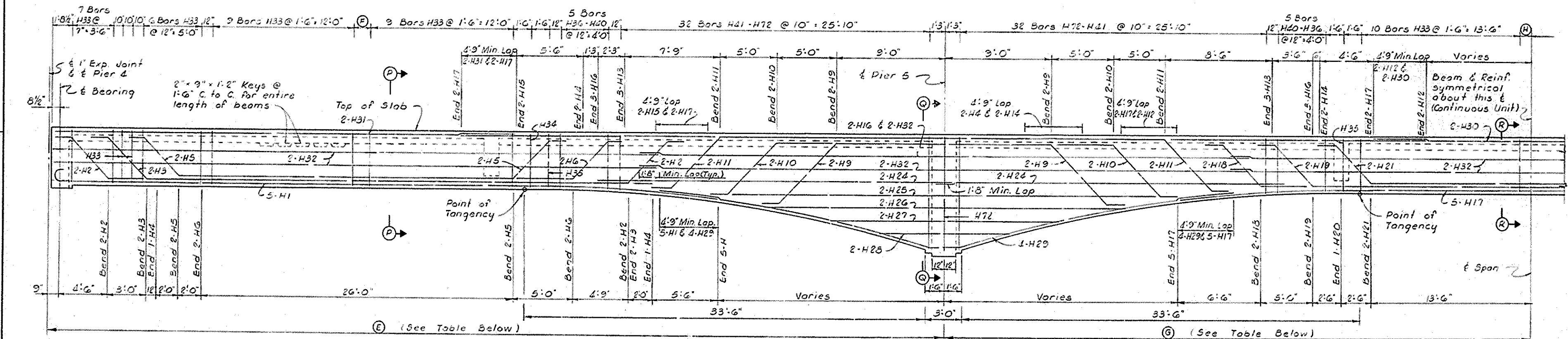
C.K.P. over Branch Fork Sheet 13

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

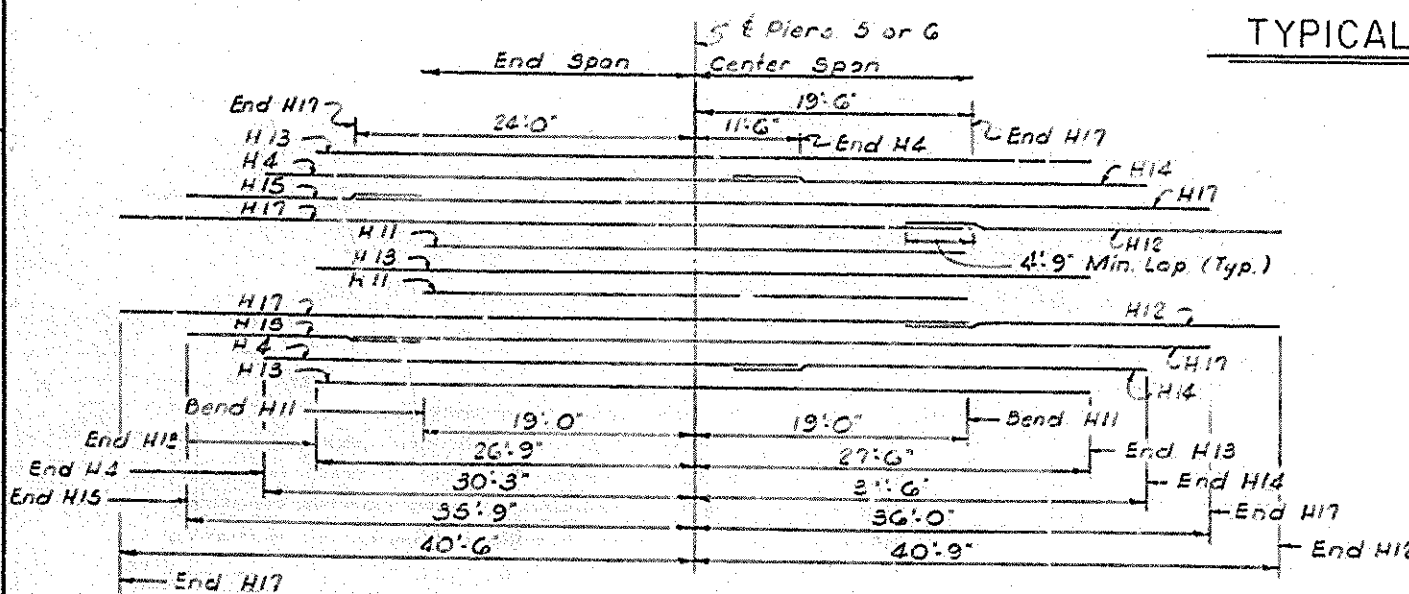
STATION 1028 + 90 PROJECT NO.
BRIDGE NUMBER 15821 INDEX



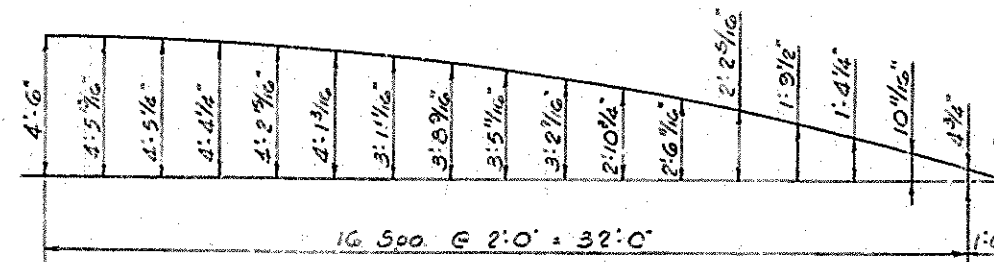
TYPICAL LONGITUDINAL SECTION ON CENTER BEAM - NORTH BRIDGE



TYPICAL LONGITUDINAL SECTION ON CENTER BEAM - SOUTH BRIDGE



North Bridge or South Bridge
PLAN
(Showing Reinforcement in Top Row @ Piers)



ORDINATES FOR PARABOLIC SOFFIT

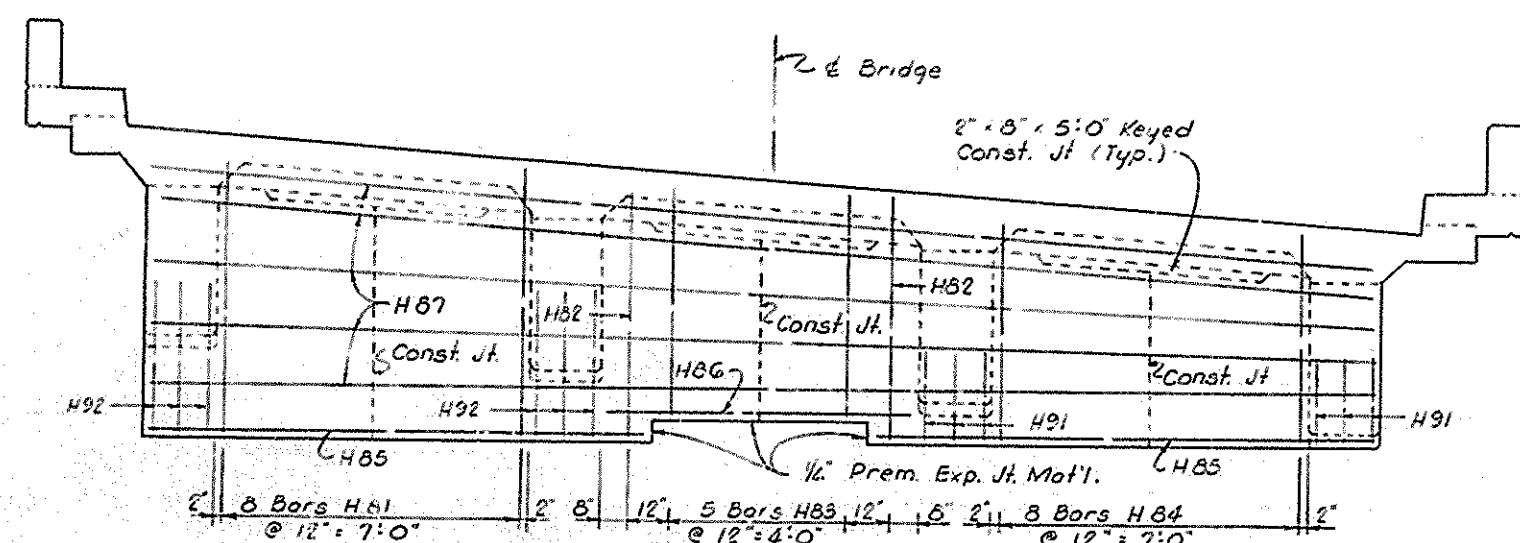
TABLE OF DIMENSIONS (along & Beams)							
NORTH BRIDGE				SOUTH BRIDGE			
Bm. 1	Bm. 2	Bm. 3	Bm. 4	Bm. 5	Bm. 6	Bm. 7	Bm. 8
(A) 77'-2 1/4"	76'-10 3/4"	76'-7 1/2"	76'-3 3/4"	(E) 75'-2 1/4"	74'-11"	74'-7 1/2"	74'-3 3/4"
(B) 1'-6 1/4"	1'-2 3/4"	1'-1 1/2"	7'	(F) 1'-4 1/4"	1'-1"	3'	5 1/4"
(C) 50'-11 1/2"	50'-9"	50'-6 1/2"	50'-4 1/2"	(G) 49'-7 1/2"	49'-5 1/2"	49'-3"	49'-0 1/2"
(D) 10' 1/2"	8"	5 1/2"	3 1/2"	(H) 1'-0 3/4"	10 3/8"	8"	5 3/8"

SUPERSTRUCTURE
SPANS 5, 6 & 7

C.K.P. over Beech Fork Sheet 14

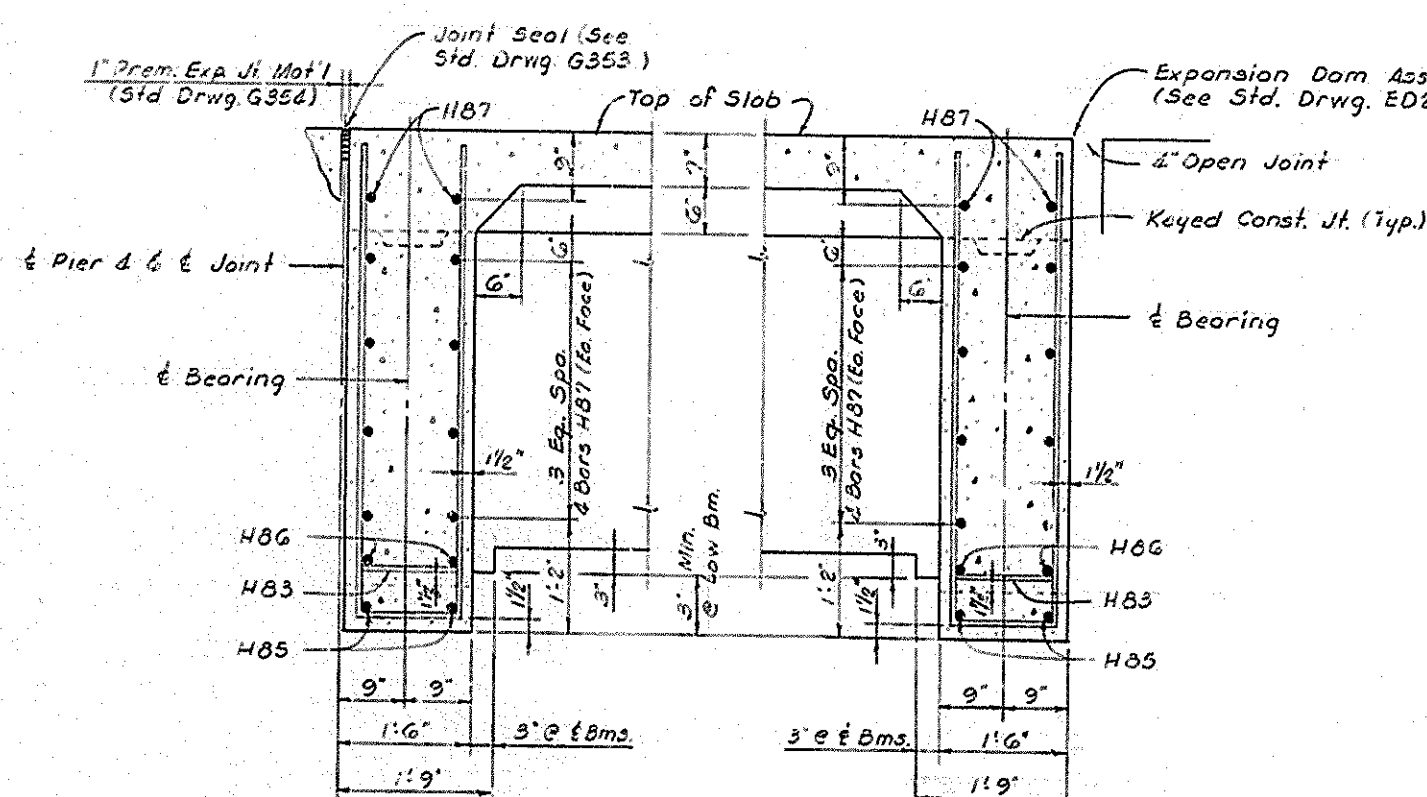
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

STATION 1026+90 PROJECT NO.
BRIDGE NUMBER 15821



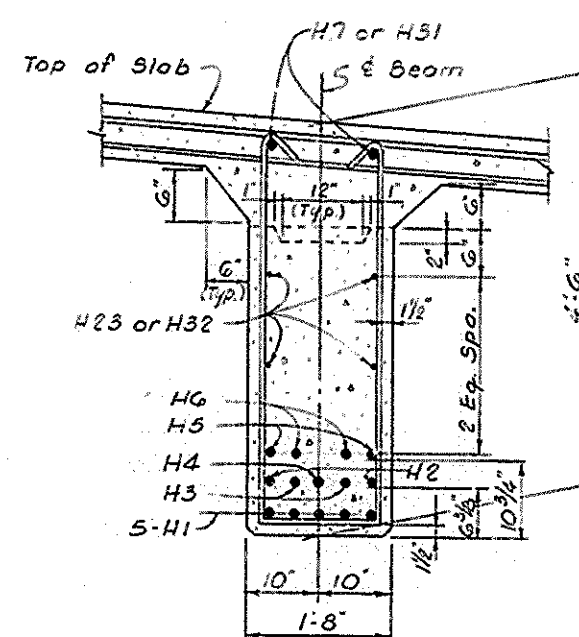
ELEVATION S-S

ELEVATION T-T (OPPOSITE HAND)

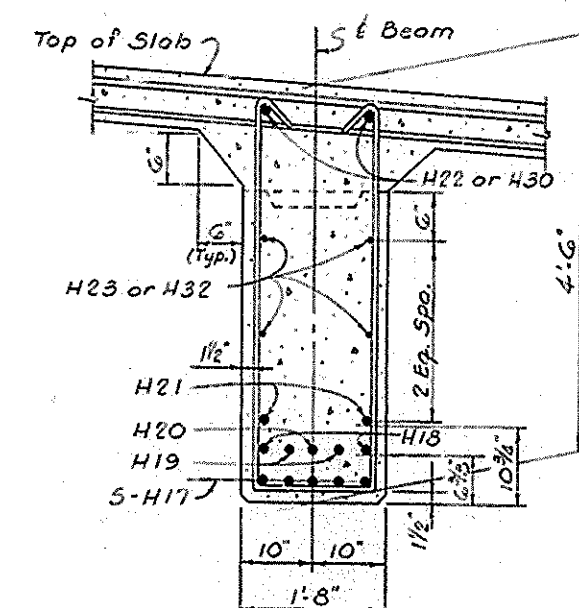


SECTION U-U

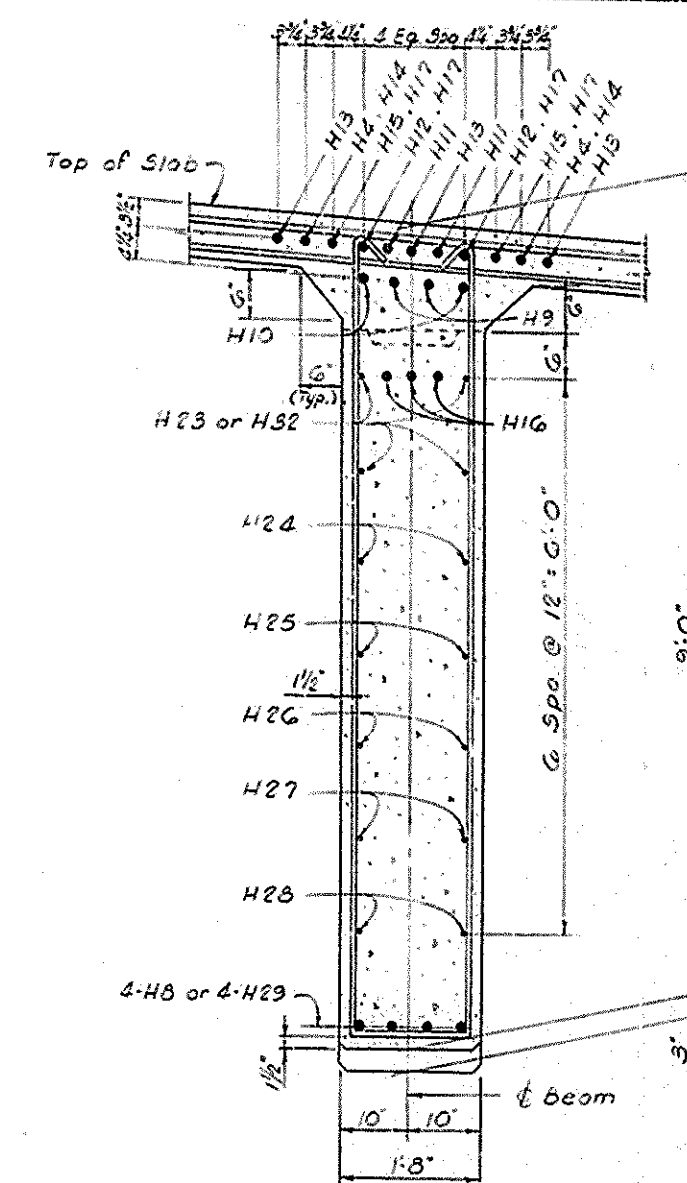
SECTION V-V



SECTION P-P

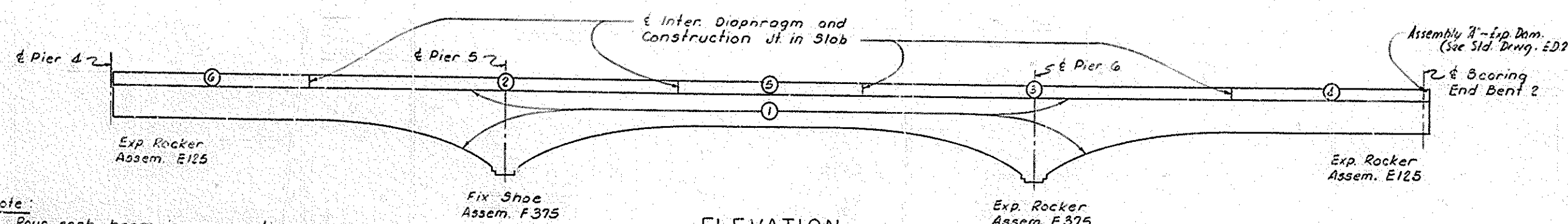


SECTION R-R



SECTION Q-Q

	TABLE OF REACTIONS			
	Pier 4 & End Bent 2		Pier 5 & Pier 6	
	Inter. Bm.	Ext. Bm.	Inter. Bm.	Ext. Bm.
Dead Load	67.5 ^k	61.2 ^k	273.0 ^k	254.1 ^k
Live Load	44.9	41.5	72.6	66.8
Impact	11.2	0.4	17.1	15.4
Total	123.6 ^k	113.1 ^k	362.7 ^k	336.3 ^k



ELEVATION

(Showing Bearing Assemblies and Pouring Order)

Note:
 Pour each beam in one continuous pour in horiz. layers.
 Pour endwalls and diaphragms with beams by providing vertical keyed construction joints midway between beams.
 Bearing Assembly details are on Std. Drwg. SS2 and are typical as shown above for each beam.

SUPERSTRUCTURE
 SPANS 5, 6 & 7

CKP over Beech Fork Sheet 13

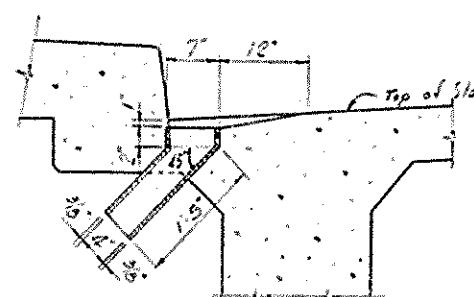
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
NELSON			
CENTRAL KENTUCKY PARKWAY			
ELIZABETHTOWN - VERSAILLES			
ROAD			
STATION	1028 + 30	PROJECT NO.	
BRIDGE NUMBER	15821	DRAWING NO.	INDEX

Bill of Reinforcement ~ SPANS 5,6,7

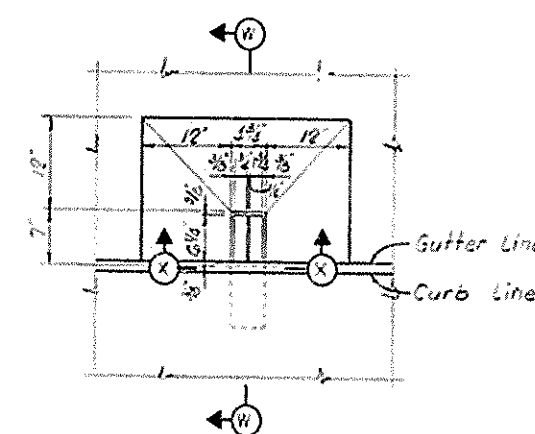
MARK	TYPE	NUMBER		BAR SIZE	LENGTH	LOCATION	O				B				C				MARK	TYPE	NUMBER		SPANS		BAR SIZE	LENGTH		LOCATION	O				B				C				D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
		SPANS 5,6,7,8	SPANS 5,6,7,8				FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.			FT.	IN.	FT.	IN.		FT.	IN.		FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
H1	①	40	40	#11	59 4	Beams	55	2	2	2	1	1 3/4	56	3 3/4	H80	Str.	32	32	#5	24	0					Interm. Diaph																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											</

FOUNDRY NOTES

Cast iron drains to be gray iron castings A.S.T.M. A-48, current specs. except that tensile and transverse tests are not required. Form T-521 Report of Field Inspection of Casting is to be submitted to the laboratory.



SECTION W-W

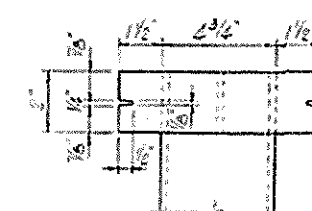


PART PLAN

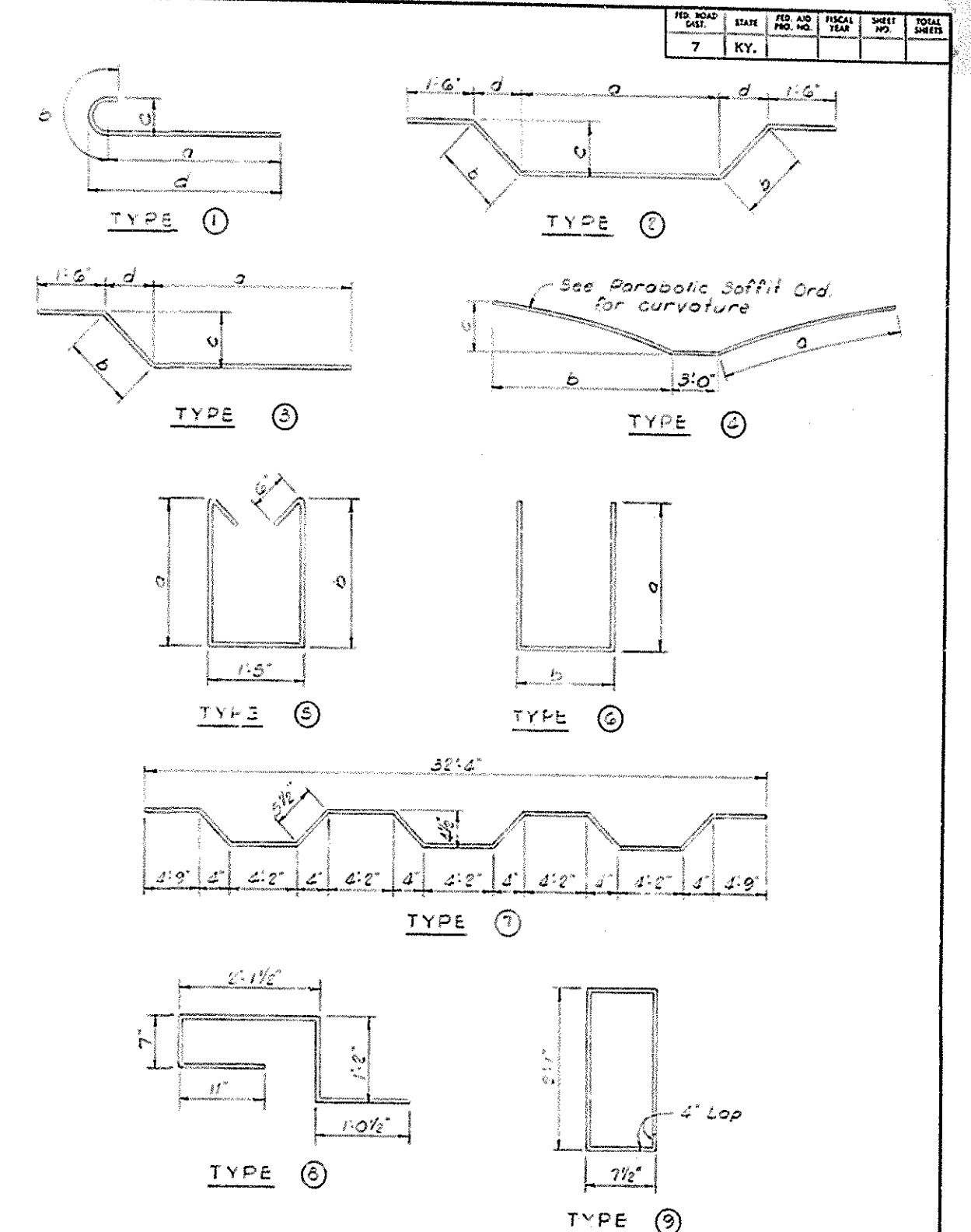
DETAIL OF ROADWAY DRAINS

15 Required North Bridge
15 Required South
Est. Wt. Ea. 38 Lbs.

SECTION X-X



SUPERSTRUCTURE SPANS 5,6 & 7



ESTIMATE OF QUANTITIES

	North Bridge Spans 5,6,7	South Bridge Spans 5,6,7
Concrete, Class A (Cu Yds)	616.7	603.8
Reinforcement (Lbs)	177,507	175,306
Structural Steel (Lbs)	11,988	11,988

C.K.P. over Beach Fork Sheet 16

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

STATION 1028+90 PROJECT NO.
BRIDGE NUMBER 15821 INDEX

NORTH BRIDGE

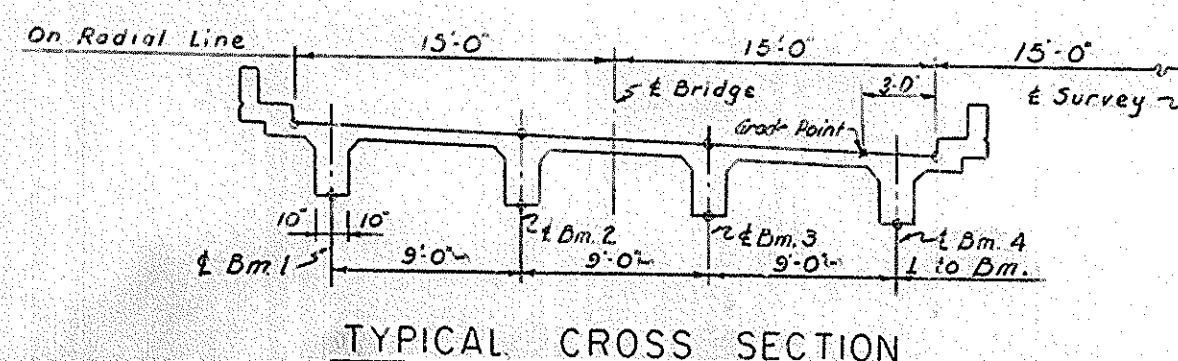
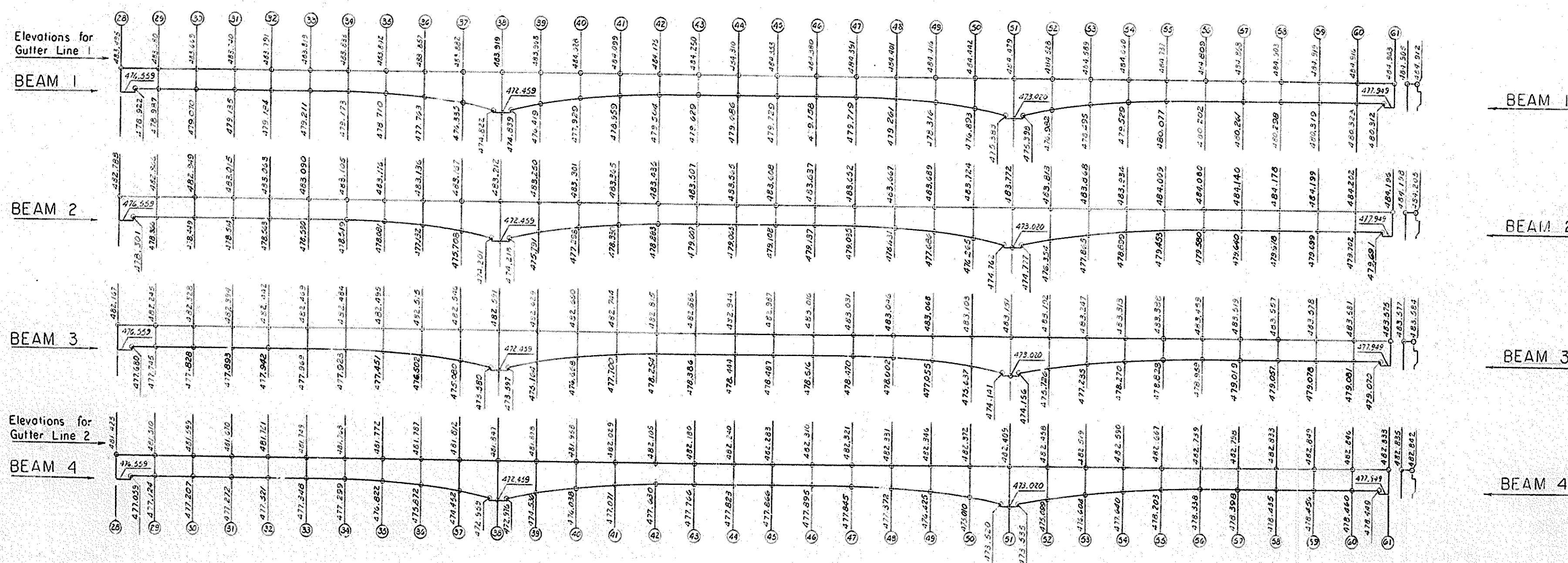
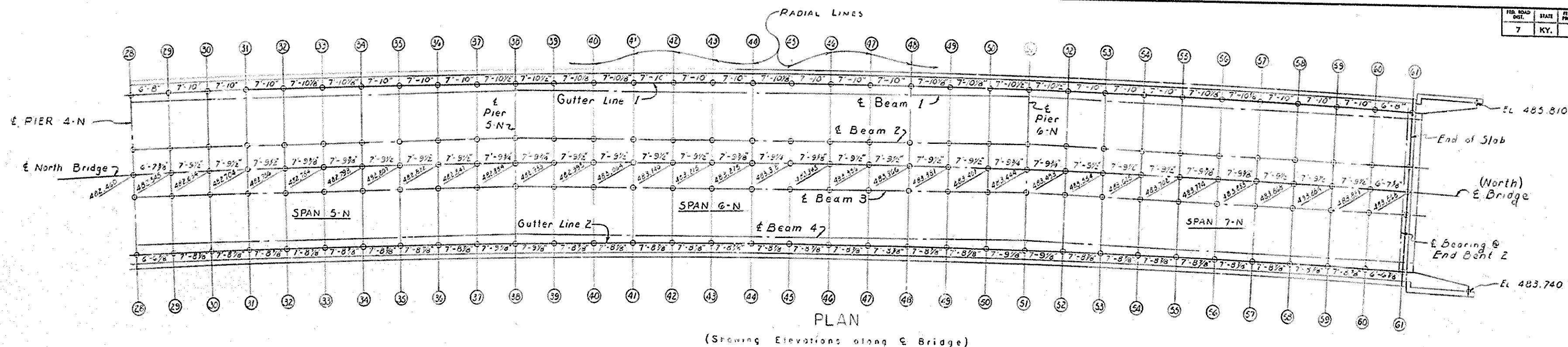
FED. ROAD DIST. 7 STATE KY. FED. AID PROJ. NO. FISCAL YEAR SHEET NO. TOTAL SHEETS

SPAN 1-N												SPAN 2-N												SPAN 3-N												SPAN 4-N											
LOCATION	BEAM 1		BEAM 2		BEAM 3		BEAM 4		BEAM 1		BEAM 2		BEAM 3		BEAM 4		BEAM 1		BEAM 2		BEAM 3		BEAM 4		BEAM 1		BEAM 2		BEAM 3		BEAM 4																
	Top of Slab in Gutter @ Beam 1	Bot. of Beam 1	Top of Slab @ Beam 2	Bot. of Beam 2	Top of Slab @ Beam 3	Bot. of Beam 3	Top of Slab @ Beam 4	Bot. of Beam 4	Top of Slab in Gutter @ Beam 1	Bot. of Beam 1	Top of Slab @ Beam 2	Bot. of Beam 2	Top of Slab @ Beam 3	Bot. of Beam 3	Top of Slab @ Beam 4	Bot. of Beam 4	Top of Slab in Gutter @ Beam 1	Bot. of Beam 1	Top of Slab @ Beam 2	Bot. of Beam 2	Top of Slab @ Beam 3	Bot. of Beam 3	Top of Slab @ Beam 4	Bot. of Beam 4	Top of Slab in Gutter @ Beam 1	Bot. of Beam 1	Top of Slab @ Beam 2	Bot. of Beam 2	Top of Slab @ Beam 3	Bot. of Beam 3	Top of Slab @ Beam 4	Bot. of Beam 4															
End of Bridge or Pier	482.231		481.581		481.280	481.013		480.330	482.612		481.905		481.577	481.284		480.542	482.901		482.194		481.866	481.573		480.831	483.199		482.491		482.163	481.870		481.128															
Intersection of Beam & FF End Wall	477.663		477.090		476.518	475.945		475.372	474.799		474.226		473.653	473.080		472.507	471.934		471.361		470.788	470.215		470.642	470.069		470.496		470.923		471.350	471.777															
1-1	482.310	477.723	481.640	477.140	481.338	481.037	476.557	475.974	480.365	482.662	478.071	481.950	477.350	481.627	481.329	476.809	476.207	480.592	482.955	478.364	482.243	477.743	481.920	481.622	477.122	476.501	480.885	483.251	478.661	482.539	478.039	482.216	481.918	477.418	476.798	481.181											
2-2	482.350	477.762	481.700	477.200	481.335	481.034	476.604	476.009	480.400	482.710	478.116	481.994	477.394	481.675	481.373	476.873	476.253	480.640	483.006	478.411	482.290	477.790	481.971	481.673	477.169	476.548	480.936	483.303	478.708	482.587	478.057	482.268	481.946	477.446	476.825	481.233											
3-3	482.461	477.807	481.758	477.258	481.449	481.149	476.649	476.040	480.432	482.757	478.160	482.039	477.539	481.722	481.418	476.918	476.298	480.687	483.053	478.458	482.337	477.835	482.018	481.714	477.214	476.593	480.983	483.350	478.753	482.632	478.132	482.315	482.011	477.511	476.890	481.280											
4-4	482.530	477.934	481.872	477.372	481.495	481.191	476.691	476.071	480.460	482.769	478.162	482.041	477.581	481.764	481.460	476.960	476.339	480.729	483.096	478.499	482.378	477.878	482.061	481.757	477.257	476.636	481.026	483.393	478.796	482.675	478.175	482.358	482.054	477.554	476.933	481.323											
5-5	482.560	477.965	481.844	477.344	481.525	481.223	476.723	476.102	480.490	482.806	478.210	482.081	477.621	481.804	481.499	476.999	476.379	480.769	483.133	478.536	482.417	477.917	482.098	481.796	477.296	476.675	481.067	483.430	478.835	482.714	478.214	482.395	482.091	477.591	476.972	481.360											
6-6	482.589	477.995	481.874	477.374	481.551	481.253	476.753	476.132	480.516	482.830	478.234	482.105	477.645	481.835	481.531	477.037	476.416	480.800	483.167	478.576	482.455	477.955	482.132	481.834	477.334	476.713	481.097	483.463	478.873	482.751	478.251	482.428	482.130	477.630	477.010	481.393											
Intersection of Beam & FF End Wall @ Pier	482.612		481.905		481.577	481.284		480.542	482.901		482.194		481.866	481.573		480.831	483.199		482.491		482.163	481.870		481.128	483.495		482.788		482.460	482.167		481.425															

SOUTH BRIDGE

		SPAN 1-S								SPAN 2-S								SPAN 3-S								SPAN 4-S										
LOCATION	Top of Slab in Gutter @ Beam 5	BEAM 5	BEAM 6	Top of Slab on Bridge	BEAM 7	BEAM 8	Top of Slab in Gutter @ Beam 8	Top of Slab in Gutter @ Beam 5	BEAM 5	BEAM 6	Top of Slab on Bridge	BEAM 7	BEAM 8	Top of Slab in Gutter @ Beam 8	Top of Slab in Gutter @ Beam 5	BEAM 5	BEAM 6	Top of Slab on Bridge	BEAM 7	BEAM 8	Top of Slab in Gutter @ Beam 8	Top of Slab in Gutter @ Beam 5	BEAM 5	BEAM 6	Top of Slab on Bridge	BEAM 7	BEAM 8	Top of Slab in Gutter @ Beam 8								
	Bot. of Beam	Top of Slab	Bot. of Beam	Top of Slab	Bot. of Beam	Bot. of Beam	Bot. of Beam	Bot. of Beam	Top of Slab	Bot. of Beam	Top of Slab	Bot. of Beam	Bot. of Beam	Bot. of Beam	Bot. of Beam	Top of Slab	Bot. of Beam	Top of Slab	Bot. of Beam	Bot. of Beam	Bot. of Beam	Top of Slab	Bot. of Beam	Top of Slab	Bot. of Beam	Top of Slab	Bot. of Beam	Bot. of Beam								
End of Bridge or Pier	480.110	480.061	479.760	479.491	478.810	480.956	480.249	479.921	479.628	478.886	481.245	480.538	480.210	479.917	479.175	481.542	480.835	480.507	480.214	479.472	481.839	481.132	480.804	480.511	479.769	482.077	481.370	481.042								
Intersection of Beam & FF End Wall	476.136	475.564	474.991	474.419	473.847	473.275	472.703	472.131	471.559	470.987	470.415	469.843	469.271	468.699	468.127	467.555	466.983	466.411	465.839	465.267	464.695	464.123	463.551	462.979	462.407	461.835	461.263	460.691								
1-1	480.754	476.169	480.085	475.585	479.782	479.502	475.002	474.419	478.809	481.006	476.415	480.294	475.794	479.971	479.613	475.173	474.552	478.936	481.299	476.708	480.587	476.087	480.264	479.906	475.466	474.845	479.229	481.595	477.004	480.883	476.383	480.560	480.262	475.762	475.181	479.525
2-2	480.798	476.207	480.111	475.611	479.803	479.515	475.015	474.419	478.808	481.054	476.459	480.338	475.838	480.019	479.717	475.217	474.596	478.984	481.350	476.755	480.634	476.013	480.315	480.015	475.513	474.892	479.280	481.647	477.052	480.931	476.431	480.612	480.310	475.810	475.189	479.577
3-3	480.839	476.243	480.131	475.631	479.821	479.525	475.025	474.416	478.804	481.101	476.504	480.383	475.883	480.064	479.762	475.262	474.641	479.037	481.397	476.800	480.679	476.179	480.362	480.058	475.558	474.937	479.327	481.694	477.097	480.976	476.476	480.659	480.355	475.855	475.234	479.622
4-4	480.874	476.277	480.156	475.656	479.839	479.535	475.035	474.412	478.804	481.143	476.546	480.425	475.925	480.106	479.804	475.304	474.683	479.073	481.440	476.843	480.722	476.222	480.405	480.101	475.601	474.980	479.370	481.737	477.140	481.019	476.519	480.702	480.398	475.898	475.277	479.667
5-5	480.904	476.309	480.188	476.688	479.869	479.567	475.067	474.446	478.834	481.180	476.583	480.464	475.964	480.145	479.843	475.343	474.722	479.110	481.477	476.882	480.761	476.261	480.442	480.140	475.640	475.019	479.407	481.774	477.179	481.058	476.558	480.739	480.437	475.937	475.316	479.704
6-6	480.930	476.339	480.218	476.718	479.895	479.597	475.097	474.476	478.860	481.214	476.623	480.502	476.002	480.179	479.881	475.381	474.760	479.144	481.511	476.920	480.799	476.299	480.476	480.176	475.676	475.055	479.441	481.807	477.210	481.095	476.595	480.772	480.474	475.974	475.353	479.737
Intersection of Beam & FF End Wall @ Pier	480.954	480.249	479.921	479.628	478.886	481.245	480.538	480.210	479.917	479.175	481.542	480.835	480.507	480.214	479.472	481.839	481.132	480.804	480.511	479.769	482.077	481.370	481.042	480.749	480.456	480.163	479.870	481.595	477.004	480.883	476.383	480.560	480.262	475.762	475.181	479.525

FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



NOTE:
Construction elevations shown include construction camber and must be maintained with falsework in place. * indicates points where elevations are given.

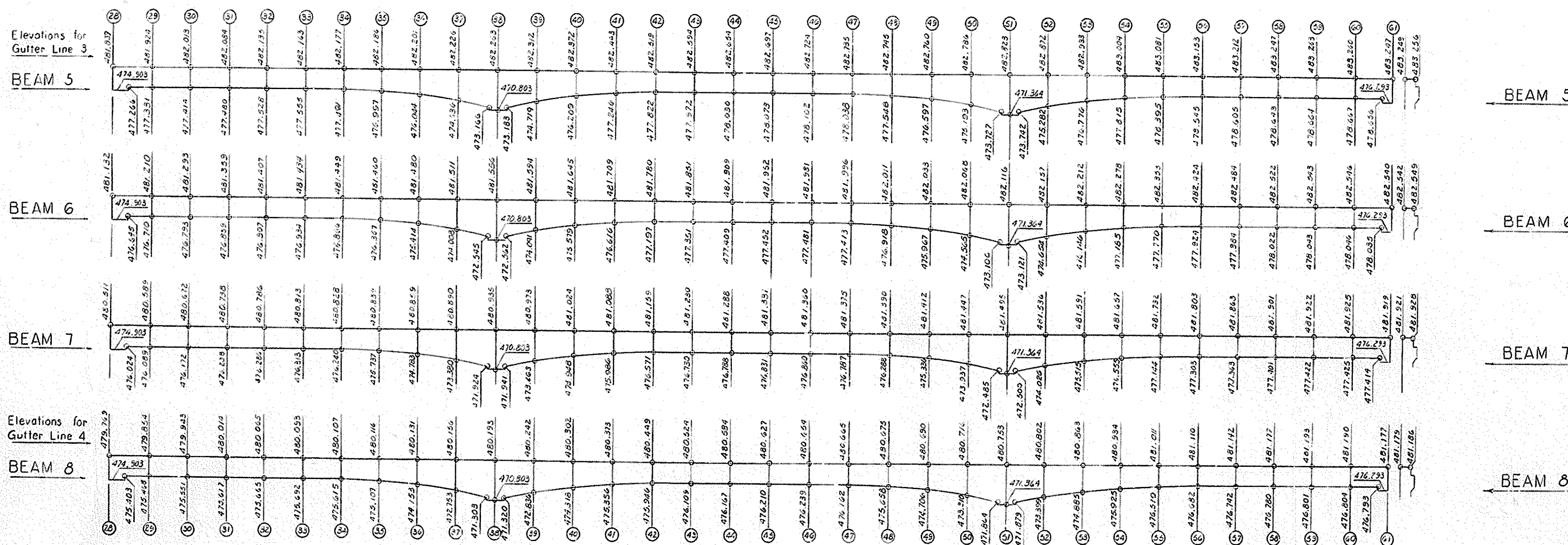
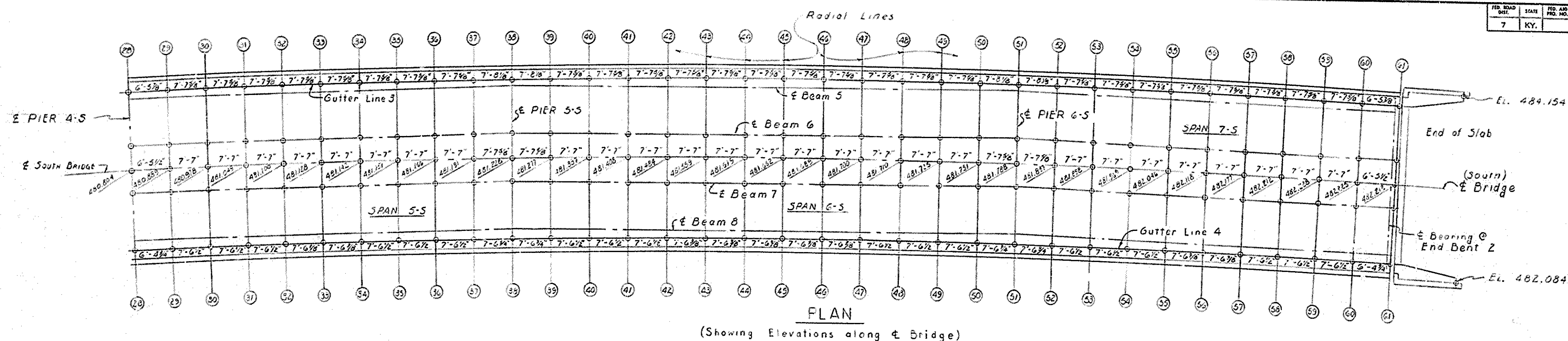
CONSTRUCTION ELEVATIONS
SPANS - 5, 6 & 7

C.K.P. over Beech Fork Sheet 1/8

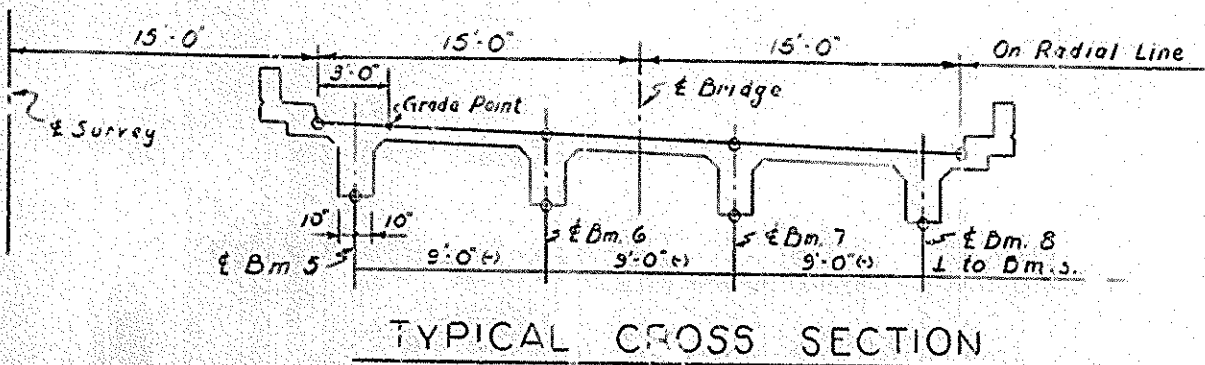
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN VERSAILLES
ROAD

STATION 1028+90 PROJECT NO.

BRIDGE NUMBER 15321 INDEX



SECTIONS ON & BEAMS



NOTE:
Construction elevations shown include construction corner and must be maintained with falsework in place. & indicates points where elevations are given.

CONSTRUCTION ELEVATIONS

SPANS 5-5, 6-5 & 7-5

C.K.P. over Beech Fork Sheet 19

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

STATION 1028+90 PROJECT NO.
BRIDGE NUMBER 15821 NO.

Note:
For layout of Piles and
substructure sheets.
(Sheets 4, 5, 6 & 8)

Lengths of piles in place shown hereon are the actual lengths of piles in the finished structure below cutoff elevation and are not necessarily pay items.

PILE RECORD

PILE RECORD														
Pile No.	Cut off Elev. as shown on Plans	Tip of Pile Elev.	Length of Pile in Place (Lin Ft)	Calculated Bearing Capacity (Tons)	Pile No.	Cut off Elev. as shown on Plans	Tip of Pile Elev.	Length of Pile in Place (Lin Ft)	Calculated Bearing Capacity (Tons)	Pile No.	Cut off Elev. as shown on Plans	Tip of Pile Elev.	Length of Pile in Place (Lin Ft)	Calculated Bearing Capacity (Tons)
	Alt "A" 12 B Piles	Alt "B" 14 R Piles				Alt "A" 12 B Piles	Alt "B" 14 R Piles				Alt "A" 12 B Piles	Alt "B" 14 R Piles		
End Bent 1-N					Pier 2-S					Pier 4-S				
1	473.45	471.45			61	443.79	443.79			119	439.56	439.56		
2	"	"			62	"	"			120	"	"		
3	"	"			63	"	"			121	"	"		
4	"	"			64	"	"			122	"	"		
5	"	"			65	"	"			123	"	"		
6	"	"			66	"	"			124	"	"		
7	"	"			67	"	"			125	"	"		
8	"	"			68	"	"			126	"	"		
9	"	"			69	"	"			127	"	"		
End Bent 1-S					70	"	"			128	"	"		
10	471.92	469.92			71	"	"			129	"	"		
11	"	"			72	"	"			130	"	"		
12	"	"			73	"	"			131	"	"		
13	"	"			74	"	"			132	"	"		
Pier 3-N					133	"	"			End Bent 2-N				
15	"	"			75	442.74	442.74			135	475.11	473.11		
16	"	"			76	"	"			136	"	"		
17	"	"			77	"	"			137	"	"		
18	"	"			78	"	"			138	"	"		
Pier 1-N					79	"	"			139	"	"		
19	442.16	442.16			80	"	"			140	"	"		
20	"	"			81	"	"			141	"	"		
21	"	"			82	"	"			142	"	"		
22	"	"			83	"	"			143	"	"		
23	"	"			84	"	"			144	"	"		
24	"	"			85	"	"			145	"	"		
25	"	"			86	"	"			146	"	"		
26	"	"			87	"	"			147	"	"		
27	"	"			88	"	"			End Bent 2-S				
28	"	"			Pier 3-S					148	473.45	471.45		
29	"	"			89	441.08	441.08			149	"	"		
30	"	"			90	"	"			150	"	"		
31	"	"			91	"	"			151	"	"		
32	"	"			92	"	"			152	"	"		
Pier 1-S					93	"	"			153	"	"		
33	446.50	446.50			94	"	"			154	"	"		
34	"	"			95	"	"			155	"	"		
35	"	"			96	"	"			156	"	"		
36	"	"			97	"	"			157	"	"		
37	"	"			98	"	"			158	"	"		
38	"	"			99	"	"			159	"	"		
39	"	"			100	"	"			160	"	"		
40	"	"			101	"	"			Pier 4-N				
41	"	"			102	"	"			103	439.22	439.22		
42	"	"			Pier 2-N					104	"	"		
43	"	"			105	"	"			106	"	"		
44	"	"			107	"	"			108	"	"		
45	"	"			109	"	"			110	"	"		
46	"	"			111	"	"			112	"	"		
Pier 2-S					113	"	"			114	"	"		
47	442.44	442.44			115	"	"			116	"	"		
48	"	"			117	"	"			118	"	"		
49	"	"			119	"	"			120	"	"		
50	"	"			121	"	"			122	"	"		
51	"	"			123	"	"			124	"	"		
52	"	"			125	"	"			126	"	"		
53	"	"			127	"	"			128	"	"		
54	"	"			129	"	"			130	"	"		
55	"	"			131	"	"			132	"	"		
56	"	"			133	"	"			134	"	"		
57	"	"			135	"	"			136	"	"		
58	"	"			137	"	"			138	"	"		
59	"	"			139	"	"			140	"	"		
60	"	"			141	"	"			142	"	"		

C.K.P. over Beach Fork

Sheet 20

COMMONWEALTH OF KENTUCKY

C.K.P. over Beech Fork

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN - VERSAILLES
ROAD

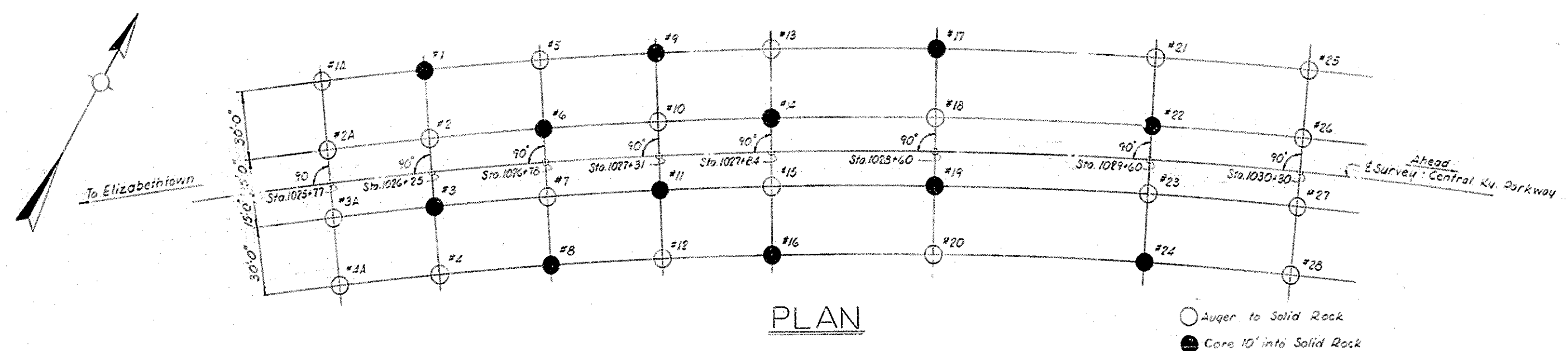
STATION/028+90

PROJECT NO.

BRIDGE NUMBER	
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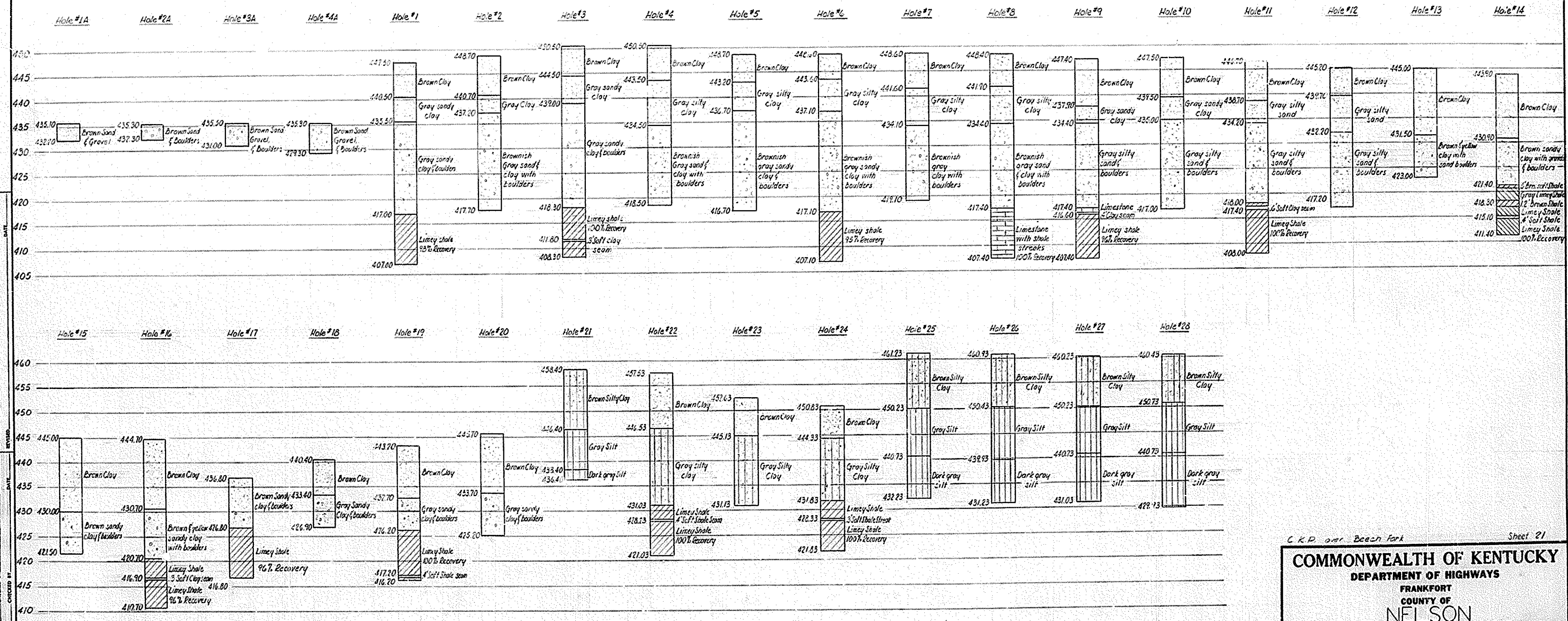
DRAWING
15821

PILE RECORD



PLAN

○ Auger to Solid Rock
● Core 10' into Solid Rock



SOUNDINGS

C.K.P. over Beech Fork Sheet 21

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF NELSON
CENTRAL KENTUCKY PARKWAY
ELIZABETHTOWN-VERSAILLES
ROAD

STATION 1028+90 PROJECT NO. 15821

BRIDGE NUMBER 15821 INDEX