

KENTUCKY DEPARTMENT OF HIGHWAYS
BULLSKIN CREEK
LOUISVILLE - LEXINGTON ROAD
SHELBY COUNTY

ESTIMATE OF QUANTITIES																
ITEM	SHEET NO.	NORTH BRIDGE							SOUTH BRIDGE							
		CONCRETE CLASS "A" CU. YDS.	REINFORCEMENT LBS	SLOPE PROTECTION CYCLOPEAN STONE SQ. YDS.	STRUCTURE COMMON CU. YDS.	EXCAV. SOLID ROCK CU. YDS.	ALUMINUM HANDRAIL LIN. FT.	BRONZE PLATES LBS.	CONCRETE CLASS "A" CU. YDS.	REINFORCEMENT LBS	SLOPE PROTECTION CYCLOPEAN STONE SQ. YDS.	STRUCTURE COMMON CU. YDS.	EXCAV. SOLID ROCK CU. YDS.	ALUMINUM HANDRAIL LIN. FT.	BRONZE PLATES LBS.	SHEET NO.
TITLE SHEET	1															1
LAYOUT SHEET	2															2
ELEVATIONS	3															3
ABUTMENT 1	4	96.3	8885	513	270	20			96.3	8885	513	260	15			7
PIER 1	5	86.5	7991		170	15			86.5	7768		150	10			5
PIER 2	5	86.5	7991		40	25			86.5	7991		15	20			5
PIER 3	5	86.5	7991		100	20			86.5	7991		120	20			5
PIER 4	5	86.5	7991		245	20			89.5	8195		245	20			5
ABUTMENT 2	6	92.3	8660	352	340	20			100.4	9178	352	390	25			8
SPAN 1	9-10	110.1	26435					456	110.1	26435					456	9-10
SPAN 2	9-10	97.8	24995					456	97.8	24995					456	9-10
SPAN 3	11-12	141.6	33688					456	141.6	33688					456	11-12
SPAN 4	11-12	141.6	33688					456	141.6	33688					456	11-12
SPAN 5	11-12	154.1	35128					456	154.1	35128					456	11-12
CONSTRUCTION ELEVATIONS	13-14															13-14
SOUNDINGS	15															15
HANDRAIL	H110 & Sounding sheets 9 & 11						489							489		H110 & Sounding sheets 9 & 11
TOTALS		1179.8	20344.3	865	1165	120	489	2280	1183.3	20394.2	865	1180	110	489	2280	

GENERAL NOTE

SPECIFICATIONS: KENTUCKY DEPARTMENT OF HIGHWAYS (1956 SPECIFICATIONS WITH AMENDMENTS)
DESIGN LOAD: DESIGNED FOR H20-S16-4.4 LOADING AS SPECIFIED IN A.A.S.H.O. 1957 SPECIFICATIONS OR ALTERNATE LOADING OF TWO AXLES FOUR FEET APART WITH EACH AXLE WEIGHING 24,000 POUNDS, WHICHEVER GIVES GREATER STRESS.
CONCRETE: CLASS "A" CONCRETE TO BE USED THROUGHOUT.
REINFORCEMENT: DIMENSIONS SHOWN FROM FACE OF CONCRETE ARE CLEAR DISTANCES UNLESS OTHERWISE SHOWN. SPACING OF BARS IS CENTER TO CENTER OF BARS.
FLOOR DRAINS, EXPANSION JOINT MATERIAL, COPPER STRIP & TAR PAPER: THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR CLASS "A" CONCRETE.
TAR PAPER: TO BE COMMERCIAL GRADE TAR PAPER OR ROOFING FELT APPROXIMATELY 1/16" THICK.
BEVELED EDGES: ALL EXPOSED EDGES TO BE BEVELED 7/8 UNLESS OTHERWISE NOTED.
SLOPE PROTECTION: TO BE DRY CYCLOPEAN STONE RIP RAP ACCORDING TO ARTICLE 6.3.3-E

BILL OF INCIDENTAL MATERIAL						
ITEM	NO.	NORTH BRIDGE		SOUTH BRIDGE		NO.
		DESCRIPTION	LOCATION	DESCRIPTION	LOCATION	
COPPER STRIP	2		BETWEEN SPANS AT SIDEWALKS		BETWEEN SPANS AT SIDEWALKS	2
"	6		"		"	6
"	1		BETWEEN SPANS		BETWEEN SPANS	1
"	3		"		"	3
PREMOLDED FILLER	1	3/4 X 4-8 1/2 X 34-7 1/2	"	3/4 X 4-8 1/2 X 34-7 1/2	"	1
"	3	1" X 4-8 1/2 X 34-7 1/2	"	1" X 4-8 1/2 X 34-7 1/2	"	3
"	6	1" X 4-0" X 1-5 1/4	"	1" X 4-0" X 1-5 1/4	"	6
PREMOLDED FILLER	2	3/4 X 4-0" X 1-5 1/4	BETWEEN SPANS	3/4 X 4-0" X 1-5 1/4	BETWEEN SPANS	2
"	3	1/4 X 1-3 5/8 X 38-0"	"	1/4 X 1-3 5/8 X 37-0"	TO PIERS 2-3 & 4	3
"	1	1/4 X 2-7/4 X 38-0"	"	1/4 X 2-7/4 X 37-0"	TOP PIECE	1
DRAINS	30	SEE DETAILS	SEE PLAN	SEE DETAILS	SEE PLAN	30

NOTE: QUANTITIES SHOWN IN BILL OF INCIDENTAL MATERIAL ARE APPROXIMATE ONLY, AND THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ENOUGH MATERIAL TO COMPLETE THE WORK IN ACCORDANCE WITH THE PLAN AND SPECIFICATIONS.

REFERENCES:
H110
G351

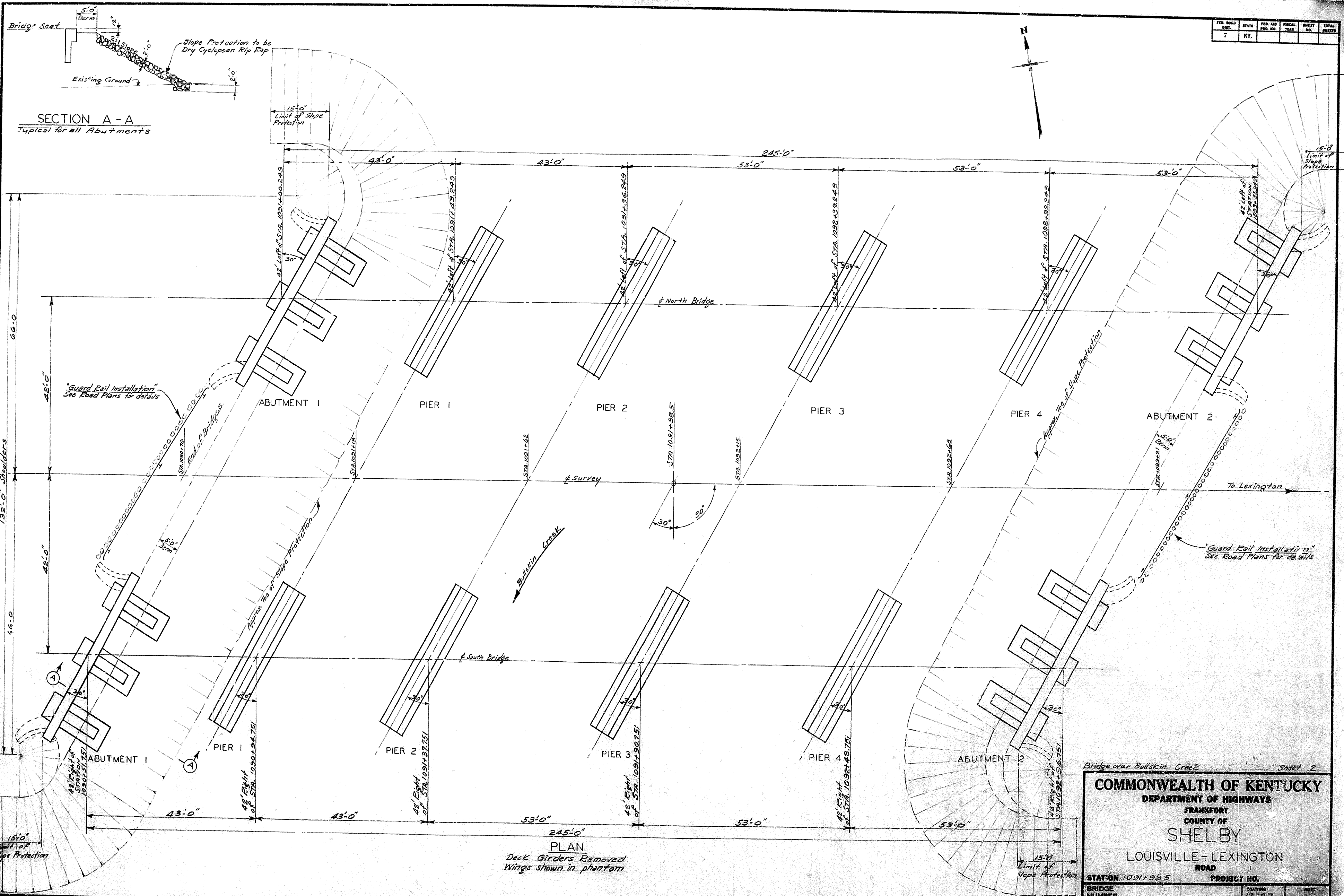
BRIDGE OVER BULL SKIN CREEK SHEET 1 OF 15

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
SHELBY
LOUISVILLE - LEXINGTON

ROAD

STATION 109+78.5 PROJECT NO.

BRIDGE NUMBER 100-806-2 DRAWING NO. 13247 INDEX



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

DESIGNED BY	DATE	REVISION	DATE
CHECKED BY	DATE	REVISION	DATE
APPROVED BY	DATE	REVISION	DATE

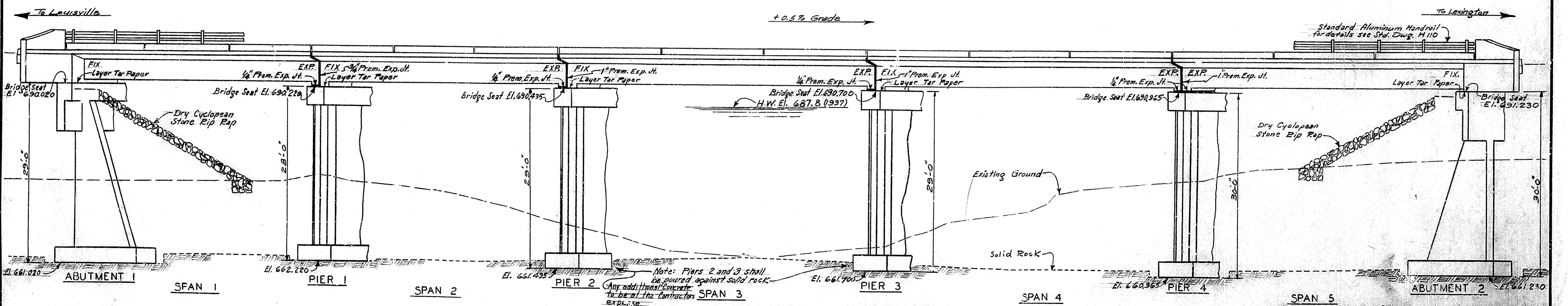
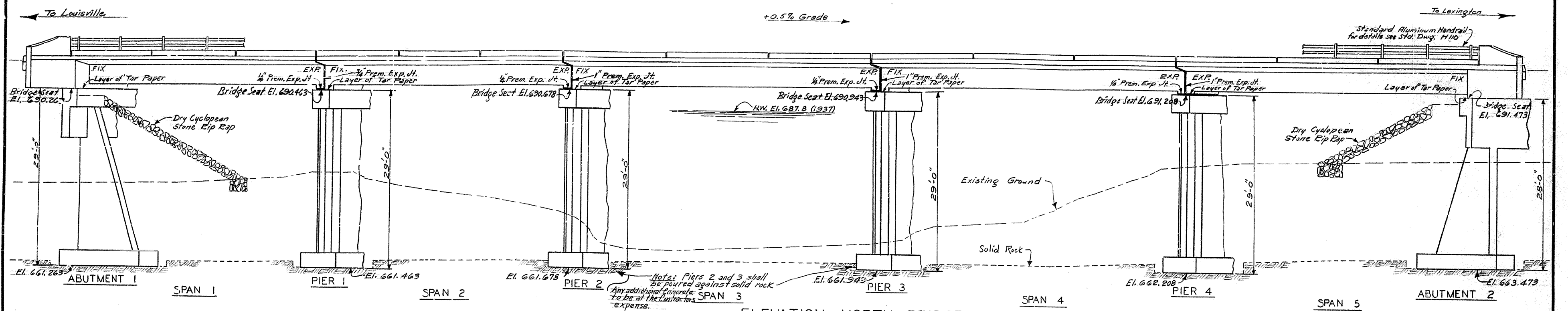
Bridge over Bullskin Creek Sheet 2

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
SHELBY
 LOUISVILLE - LEXINGTON
 ROAD

STATION 1091+94.5 PROJECT NO. 13297

BRIDGE NUMBER NO. 13297

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

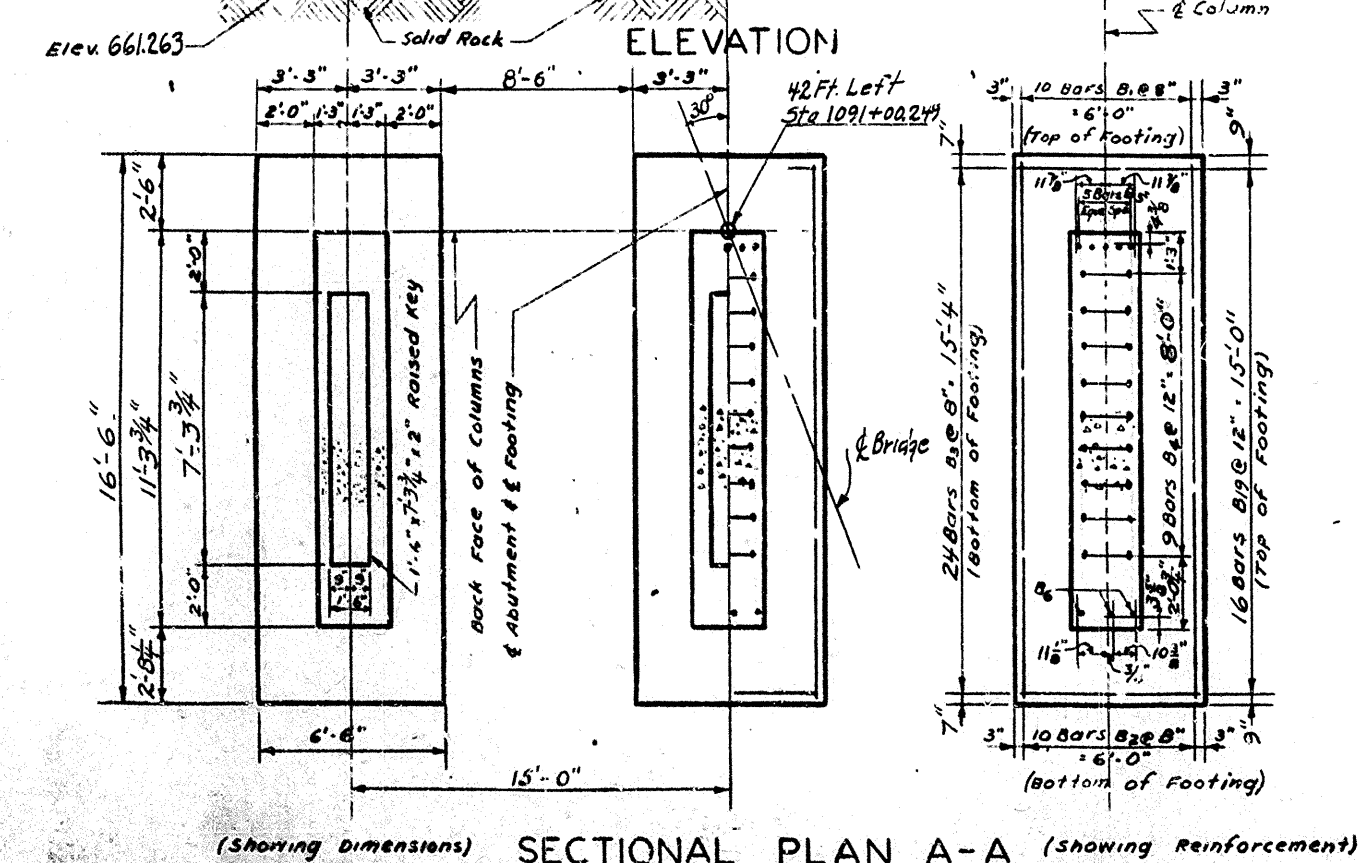
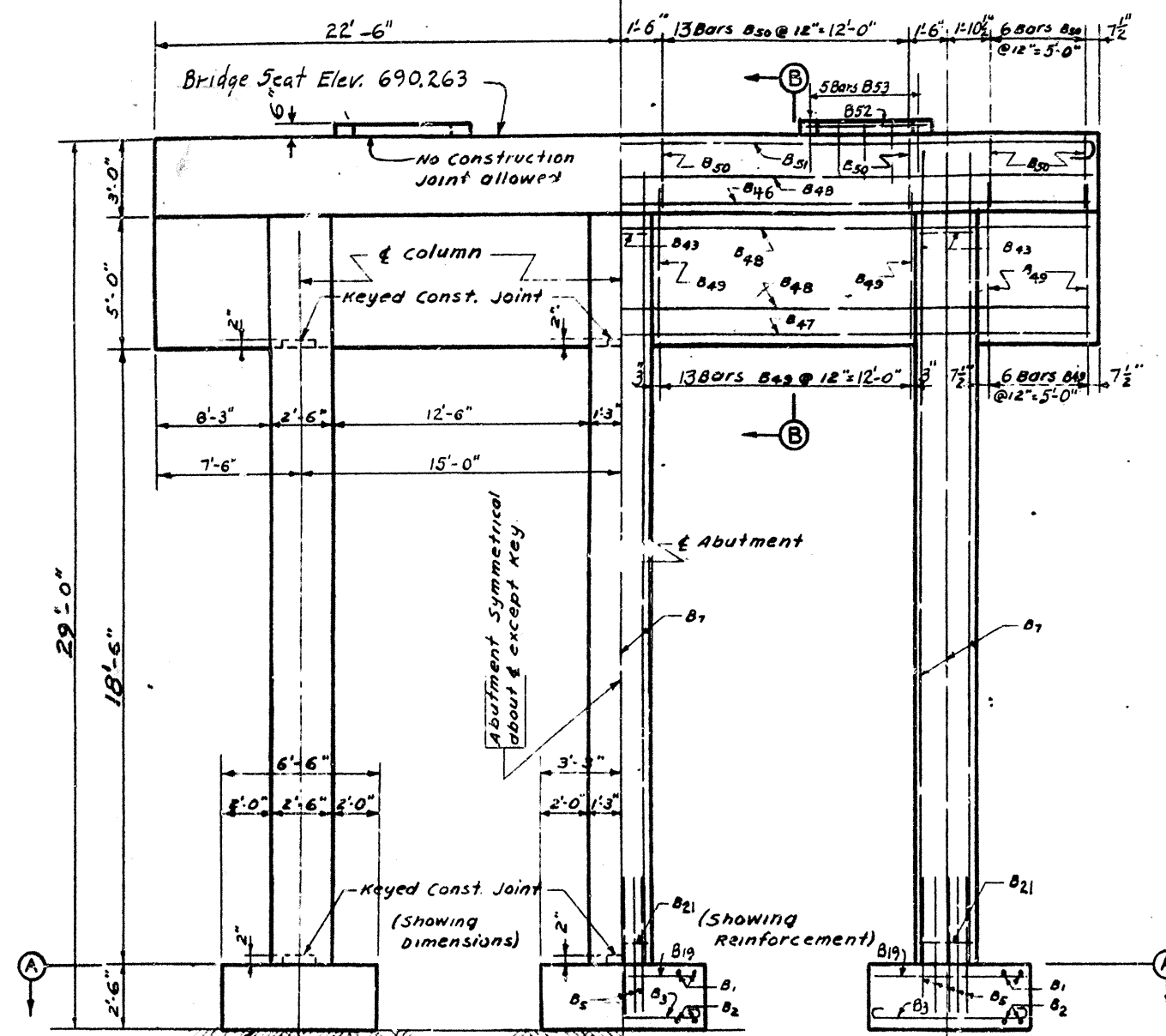
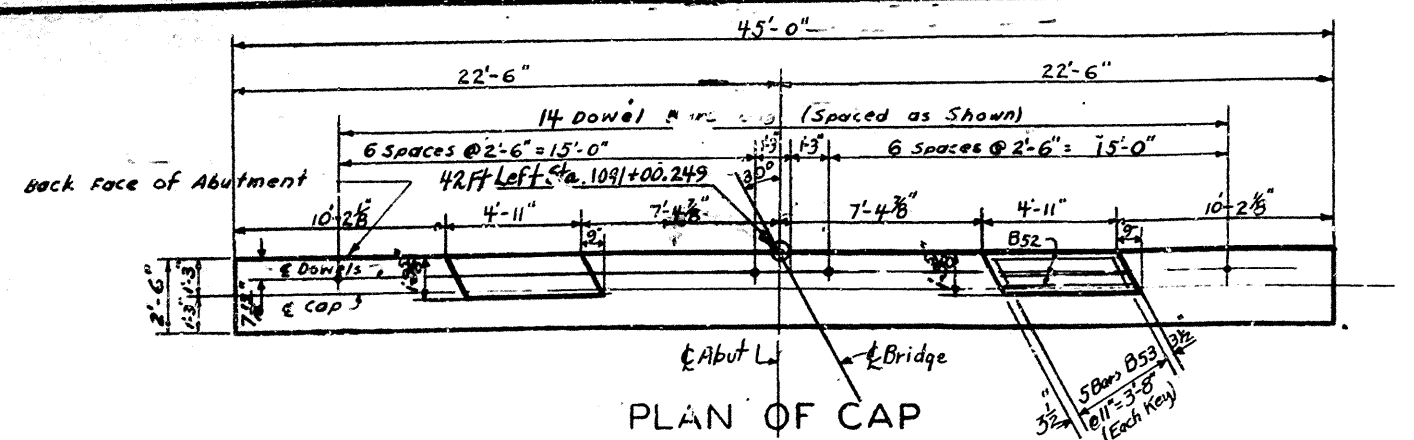


COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
SHELBY
 LOUISVILLE - LEXINGTON
 ROAD

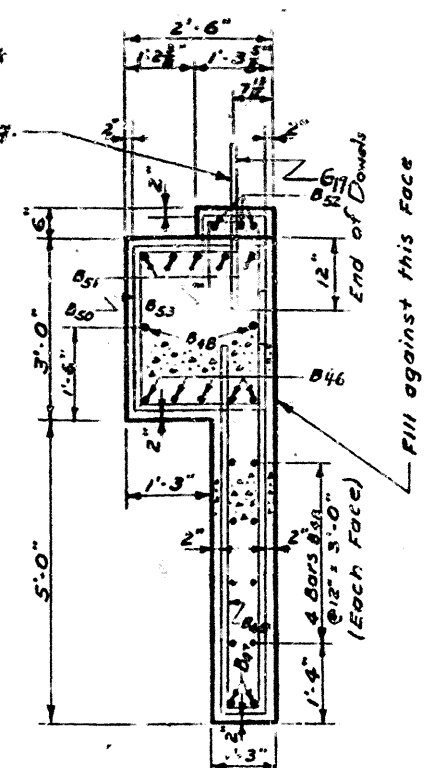
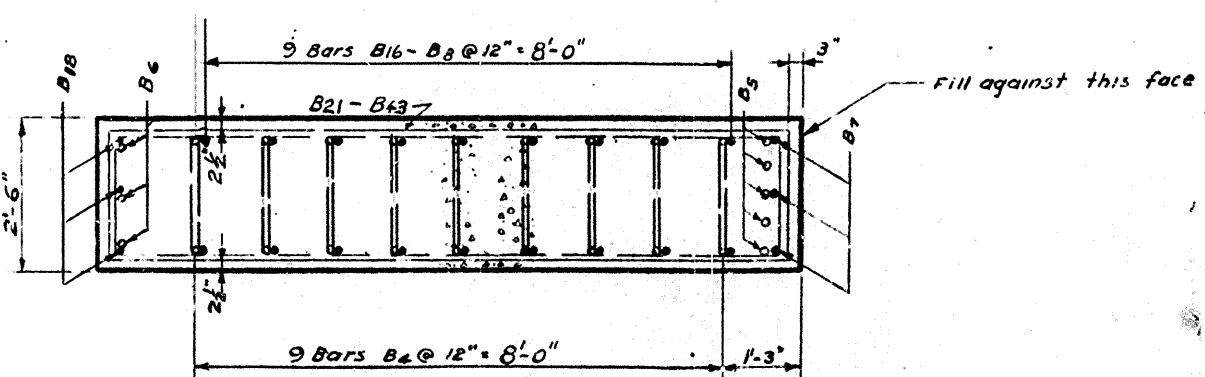
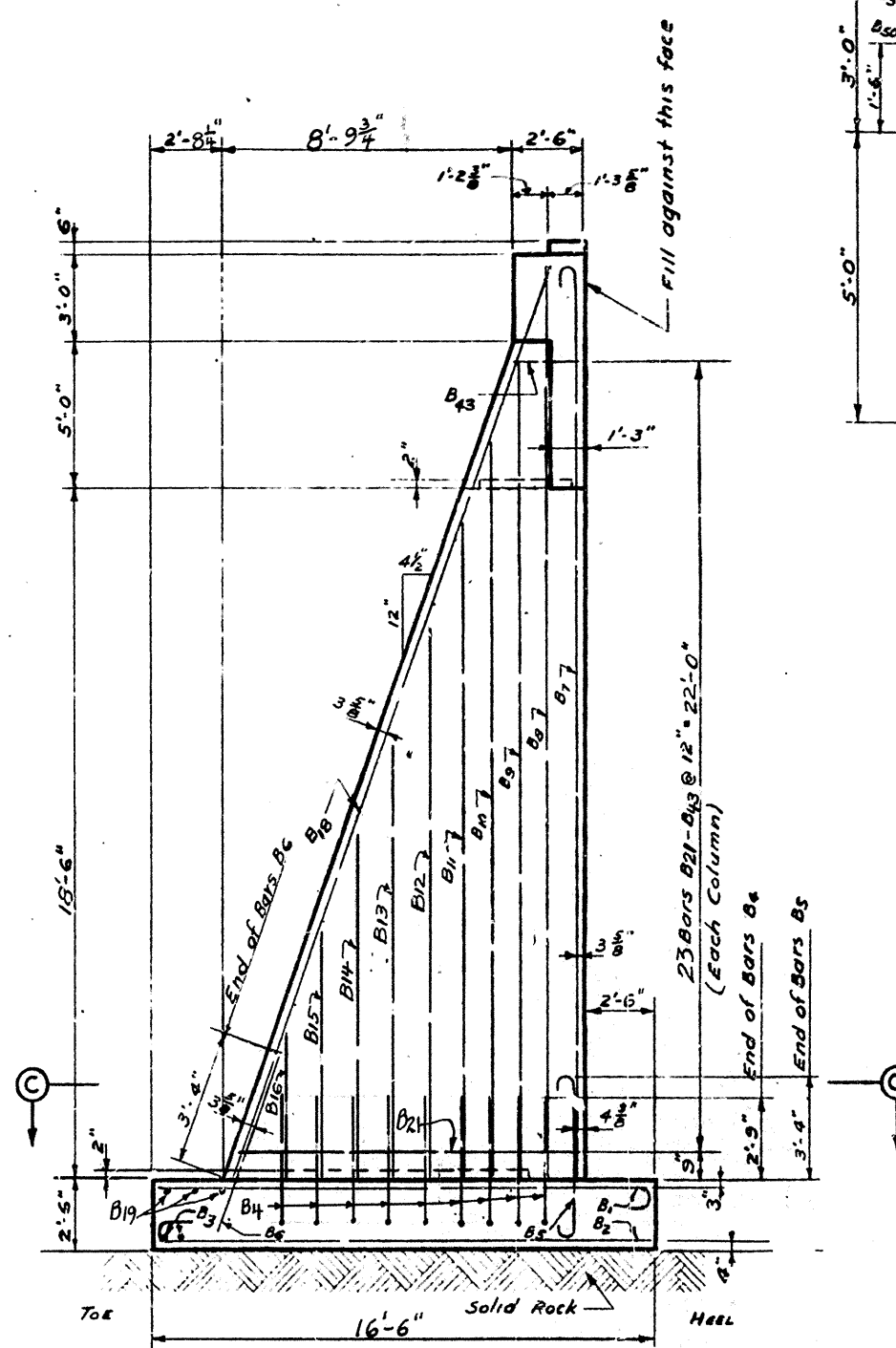
STATION 1091+98.5
 BRIDGE NUMBER 13297
 PROJECT NO. 13297
 SHEET 3

DESIGNED BY: M. S. S. 5/28
 CHECKED BY: M. S. S. 5/28
 DATE: 5/28
 REVISIONS:
 NO. 1: 5/28
 NO. 2: 5/28
 NO. 3: 5/28
 NO. 4: 5/28
 NO. 5: 5/28
 NO. 6: 5/28
 NO. 7: 5/28
 NO. 8: 5/28
 NO. 9: 5/28
 NO. 10: 5/28

FILE NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
7	KY.			



NOTE:
Exposed portion of dowels G17 to be painted and siled before Deck Girder is poured. Dowel bars G17 are included in bill of reinforcement for Span 1 see Sheet 9-10 this Drwg.



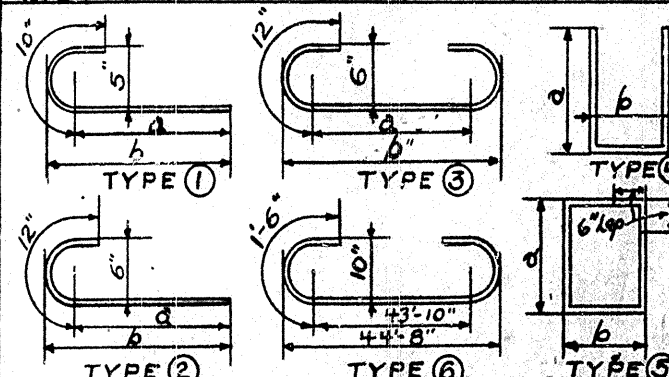
SECTION B-B

END ELEVATION

SECTION C-C

BILL OF REINFORCEMENT

ITEM	NO.	SIZE	LENGTH	LOCATION	Q	FT.	IN.	FT.	IN.
B1	30	#5	16	Top of Footing	15	10	16	0 1/2	
B2	30	#5	16	Bottom of Footing	15	9	16	0	
B3	72	#6	7	"	5	6	0		
B4	27	#5	11	Dowels	4	9 1/2	1	11 1/2	
B5	15	#6	6	"	4	11	5	5	
B6	9	#5	5	"					
B7	9	#5	26	Columns	25	9	26	0	
B8	6	#5	26	"					
B9	6	#5	23	"					
B10	6	#5	20	"					
B11	6	#5	17	"					
B12	6	#5	15	"					
B13	6	#5	12	"					
B14	6	#5	9	"					
B15	6	#5	7	"					
B16	6	#5	4	"					
B17	-	-	-	Not Used					
B18	9	#6	27	Columns	10	6	2	1	
B19	48	#5	6	Top of Footing					
B20	-	-	-	Not Used					
B21	3	#5	25	Columns	10	1 1/2	2	1	
B22	3	#5	24	"	9	9	2	1	
B23	3	#5	23	"	8	4 1/2	2	1	
B24	3	#5	22	"	8	0	2	1	
B25	3	#5	21	"	7	7 1/2	2	1	
B26	3	#5	20	"	7	10 1/2	2	1	
B27	3	#5	19	"	7	6	2	1	
B28	3	#5	18	"	7	1 1/2	2	1	
B29	3	#5	17	"	6	8	2	1	
B30	3	#5	16	"	6	4 1/2	2	1	
B31	3	#5	15	"	5	7 1/2	2	1	
B32	3	#5	14	"	5	3	2	1	
B33	3	#5	13	"	4	10 1/2	2	1	
B34	3	#5	12	"	4	1 1/2	2	1	
B35	3	#5	11	"	3	9	2	1	
B36	3	#5	10	"	3	4 1/2	2	1	
B37	3	#5	9	"	3	0	2	1	
B38	3	#5	8	"	2	7 1/2	2	1	
B39	3	#5	7	"	2	3	2	1	
B40	-	-	-	Not Used					
B41	-	-	-	"					
B42	5	#8	44	Bottom of Cap					
B43	2	#7	44	Curtain Wall					
B44	10	#6	44	Curtain Wall & Cap					
B45	30	#5	13	"	6	8	0	11	
B46	30	#5	10	"	2	8	2	2	
B47	5	#8	46	"					
B48	6	#5	4	Keys					
B49	10	#4	3	Key & Cap	1	8	1	1	



ESTIMATE OF QUANTITIES

Concrete, Class "A" 96.3 Cu. Yds.
Reinforcement 8885 Lbs.

BRIDGE OVER BULL SKIN CREEK Sheet 4

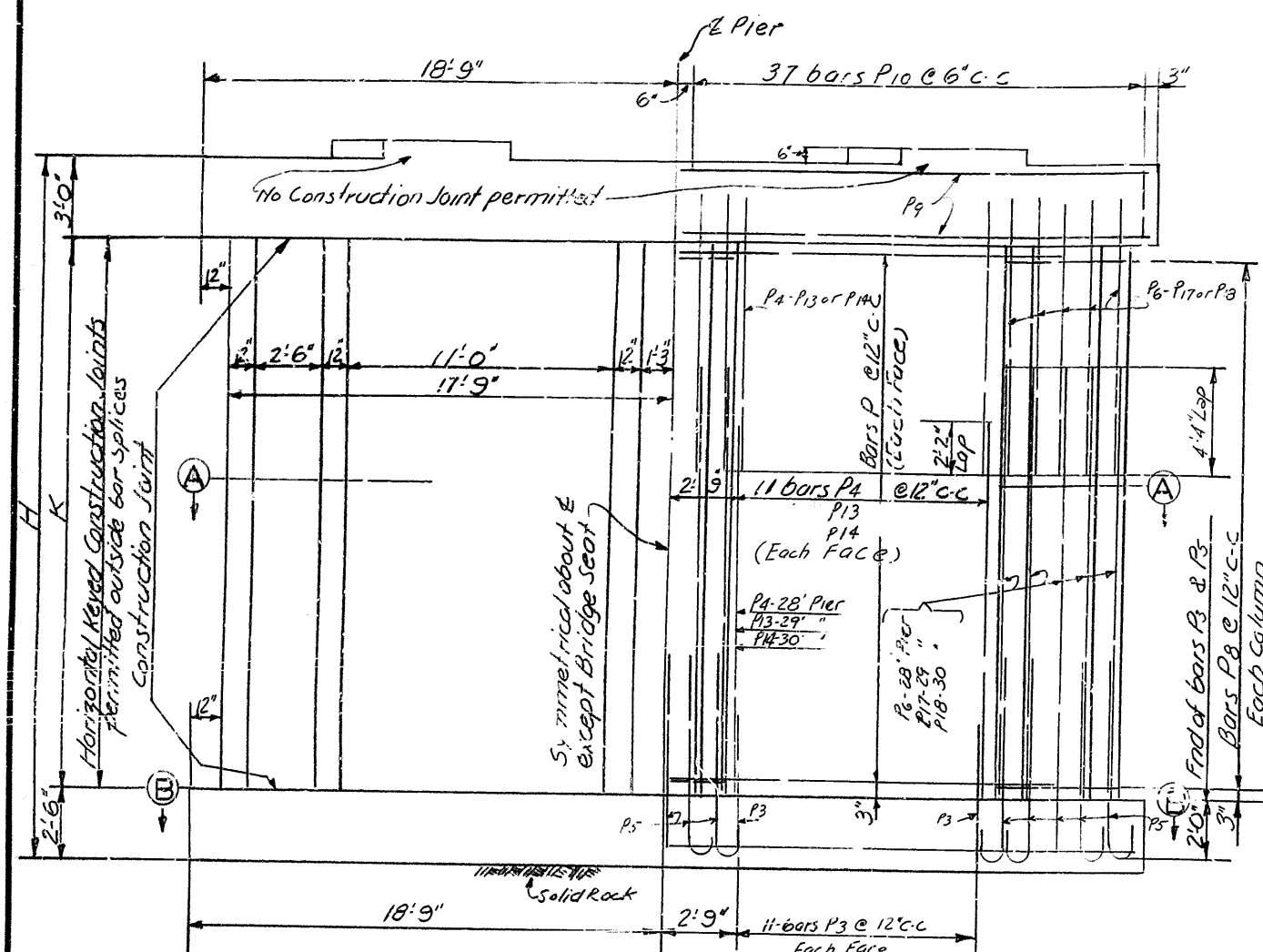
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

SHELBY
LOUISVILLE-LEXINGTON
ROAD.

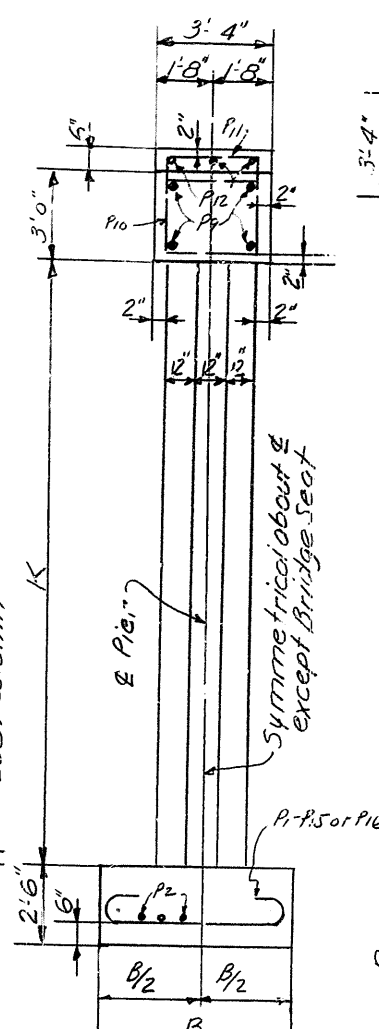
STATION 1091+98.5 PROJECT NO.
BRIDGE NUMBER 13287

ABUTMENT NO. 1 (NORTH BRIDGE)

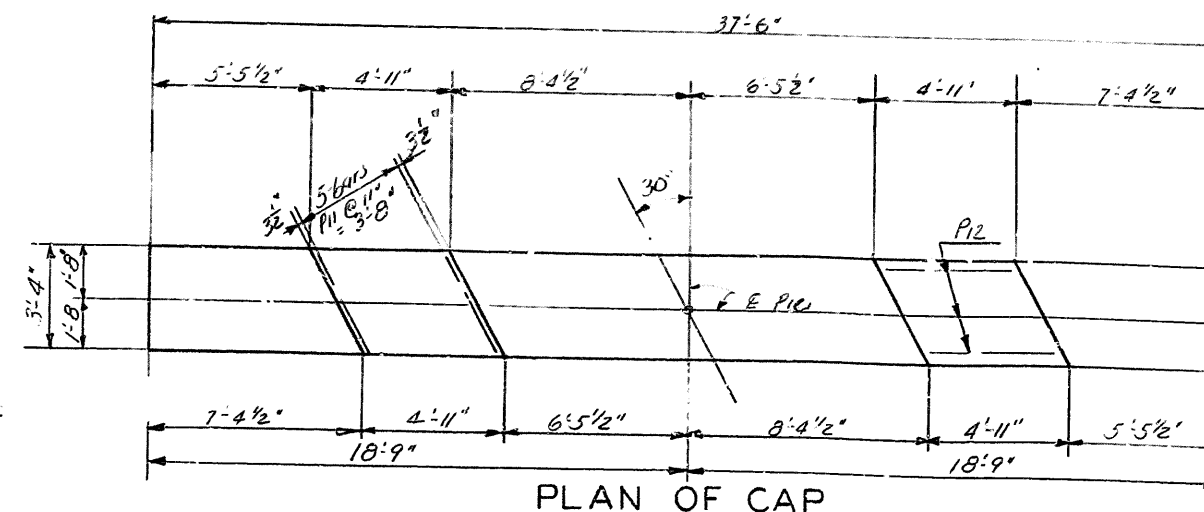
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



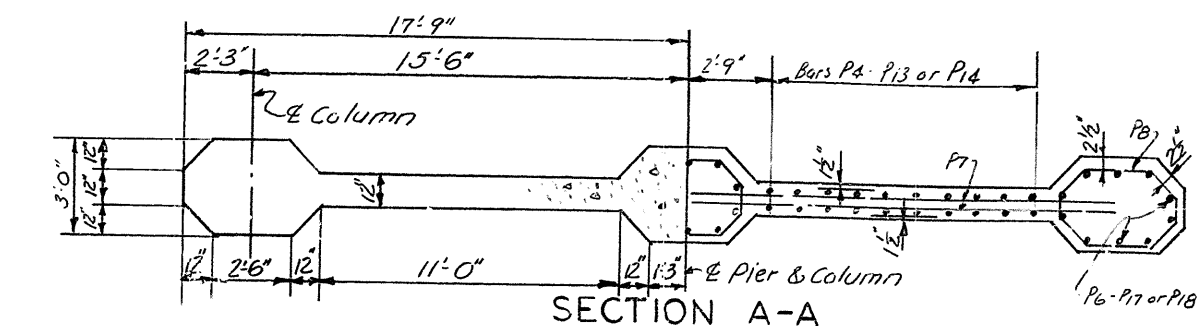
Showing Dimensions ELEVATION Showing Reinforcement



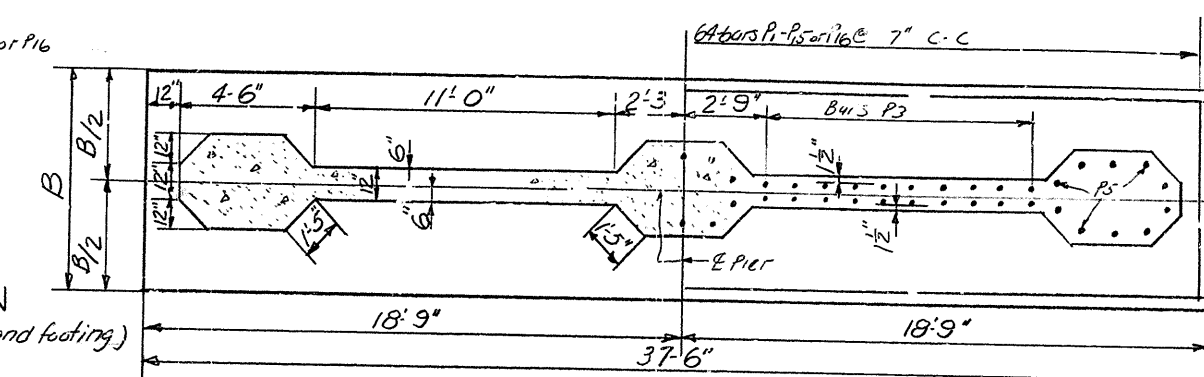
END ELEVATION (Showing Dimensions & Reinforcement in cap and footing)



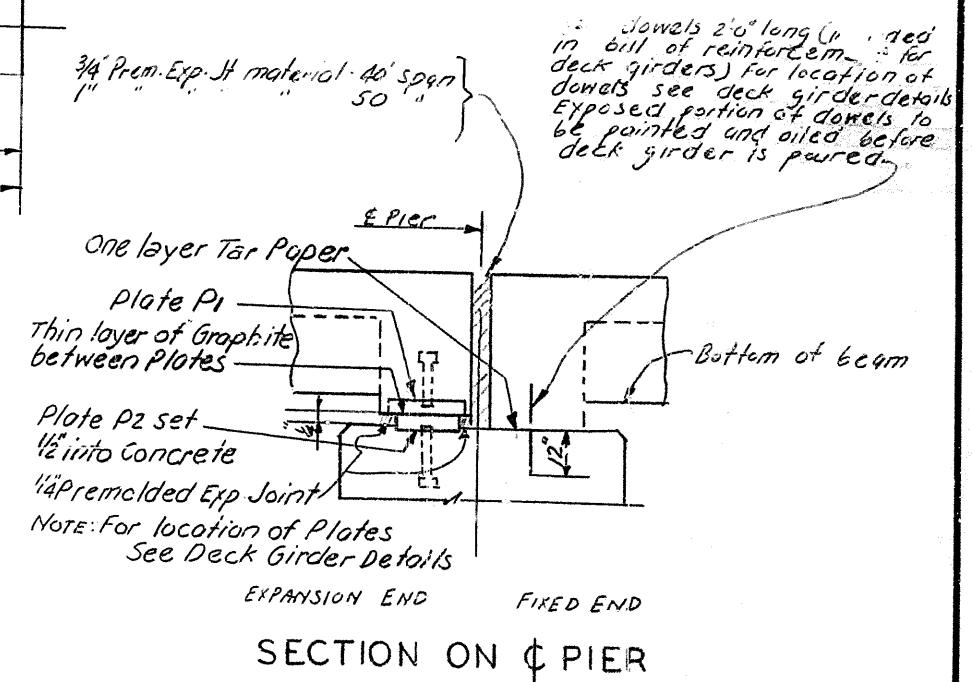
PLAN OF CAP



SECTION A-A



SECTIONAL PLAN B-B



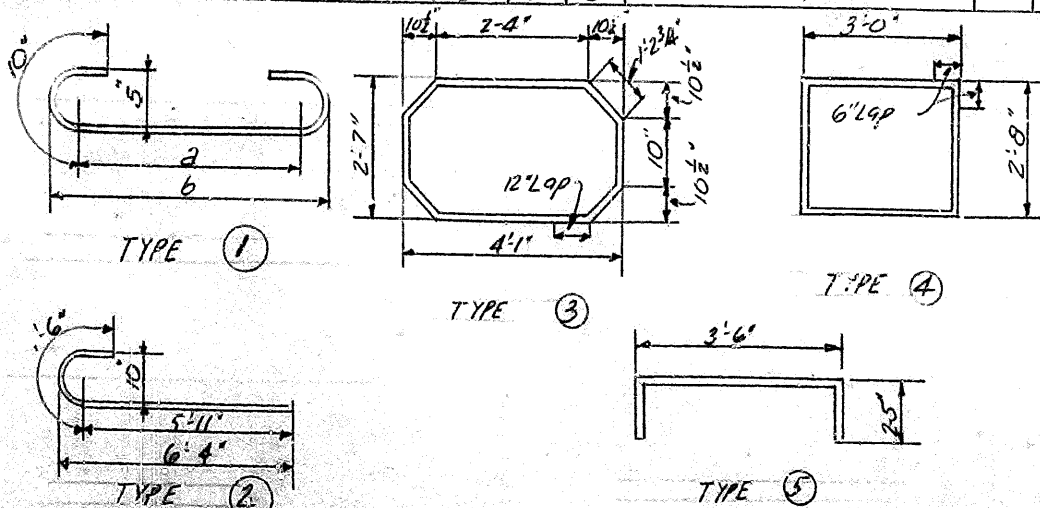
SECTION ON PIER

BILL OF REINFORCEMENT - ONE PIER

MARK	TYPE	NUMBER	SIZE	LENGTH	LOCATION	FT.	IN.	FT.	IN.
P1	(1)	64	5	7	Footings	5	7	6	0
P2	Str.	8	9	4	"				
P3	"	44	4	4	Web Wall Dowels				
P4	"	88	4	13	Web Wall				
P5	(2)	30	8	7	Column Dowels				
P6	Str.	60	8	14	Columns				
P7	"	46	5	30	Web Wall				
P8	(3)	69	7	12	Column Hoops				
P9	Str.	4	8	37	Cap				
P10	(4)	75	5	12	Cap Hoops				
P11	(5)	10	10	5	Key				
P12	Str.	6	4	4	"				
P13	"	88	4	14	Web Wall				
P14	"	88	4	14	"				
P15	(1)	64	5	7	Footings	5	9	6	2
P16	"	64	5	7	"	6	0	6	5
P17	Str.	60	8	15	Columns				
P18	"	60	8	15	"				

TABLE OF DEMENSIONS - ELEVATIONS AND QUANTITIES - ONE PIER

	PIER NO	B	H	K	ELEV. TOP OF CAP	ELEV. BOTTOM FOOTING	CONC. CLASS "A" CU. YDS.	REINFORCEMENT LBS.
NORTH BRIDGE	1	6'7"	29'0"	23'6"	690.463	661.463	86.5	7991
	2	6'7"	29'0"	23'6"	690.678	661.678	86.5	7991
	3	6'7"	29'0"	23'6"	690.943	661.943	86.5	7991
	4	6'7"	29'0"	23'6"	691.208	662.208	86.5	7991
SOUTH BRIDGE	1	6'5"	28'0"	22'6"	690.220	662.220	83.9	7768
	2	6'7"	29'0"	23'6"	690.435	661.435	86.5	7991
	3	6'7"	29'0"	23'6"	690.700	661.700	86.5	7991
	4	6'10"	30'0"	24'6"	690.965	660.965	89.5	8195

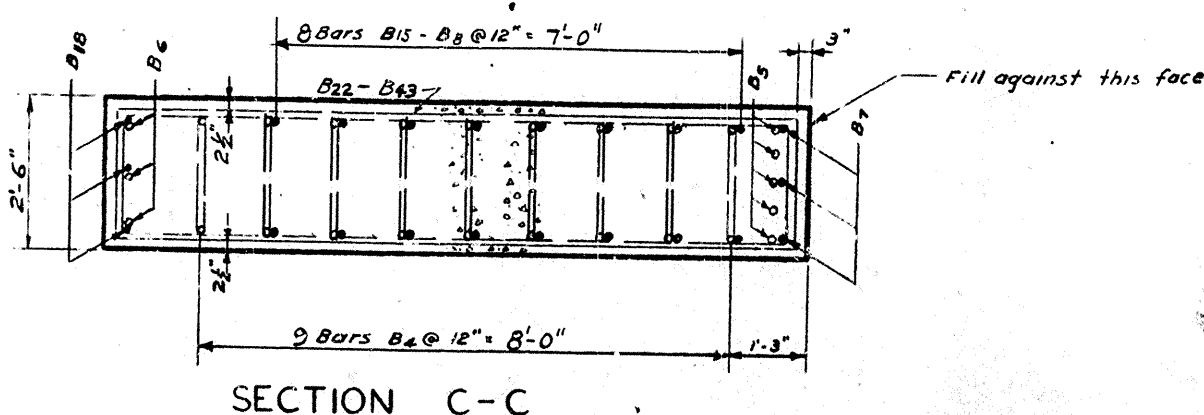
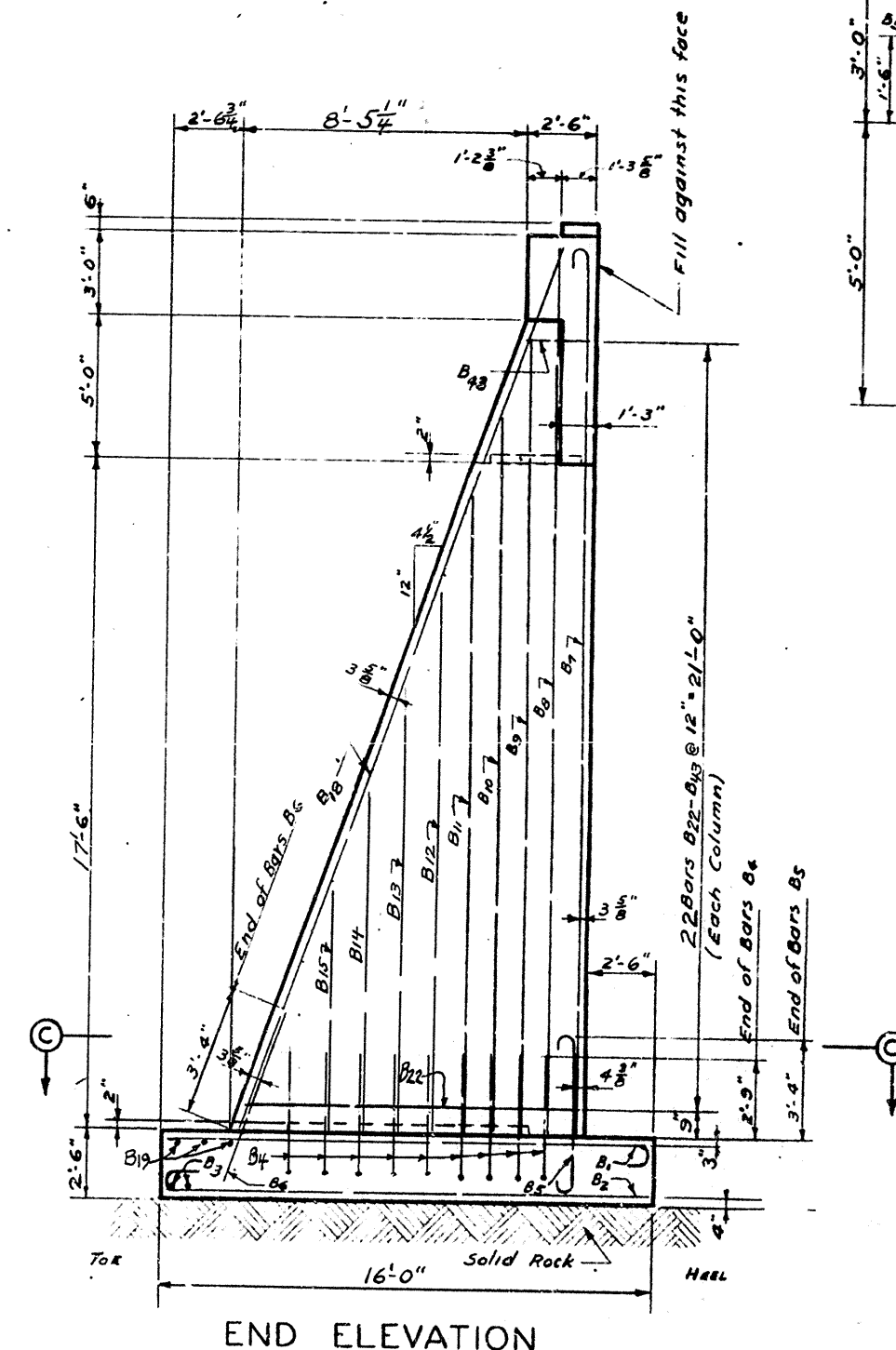
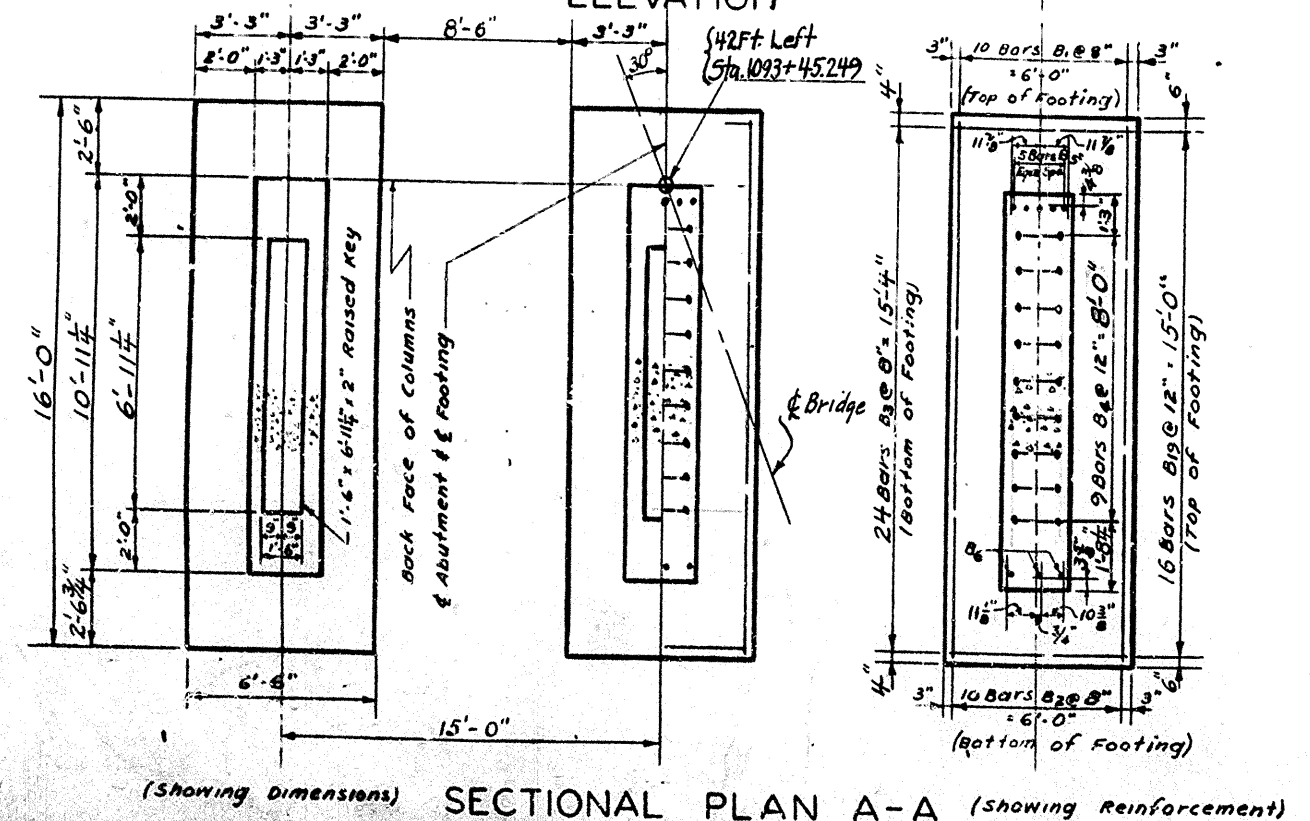
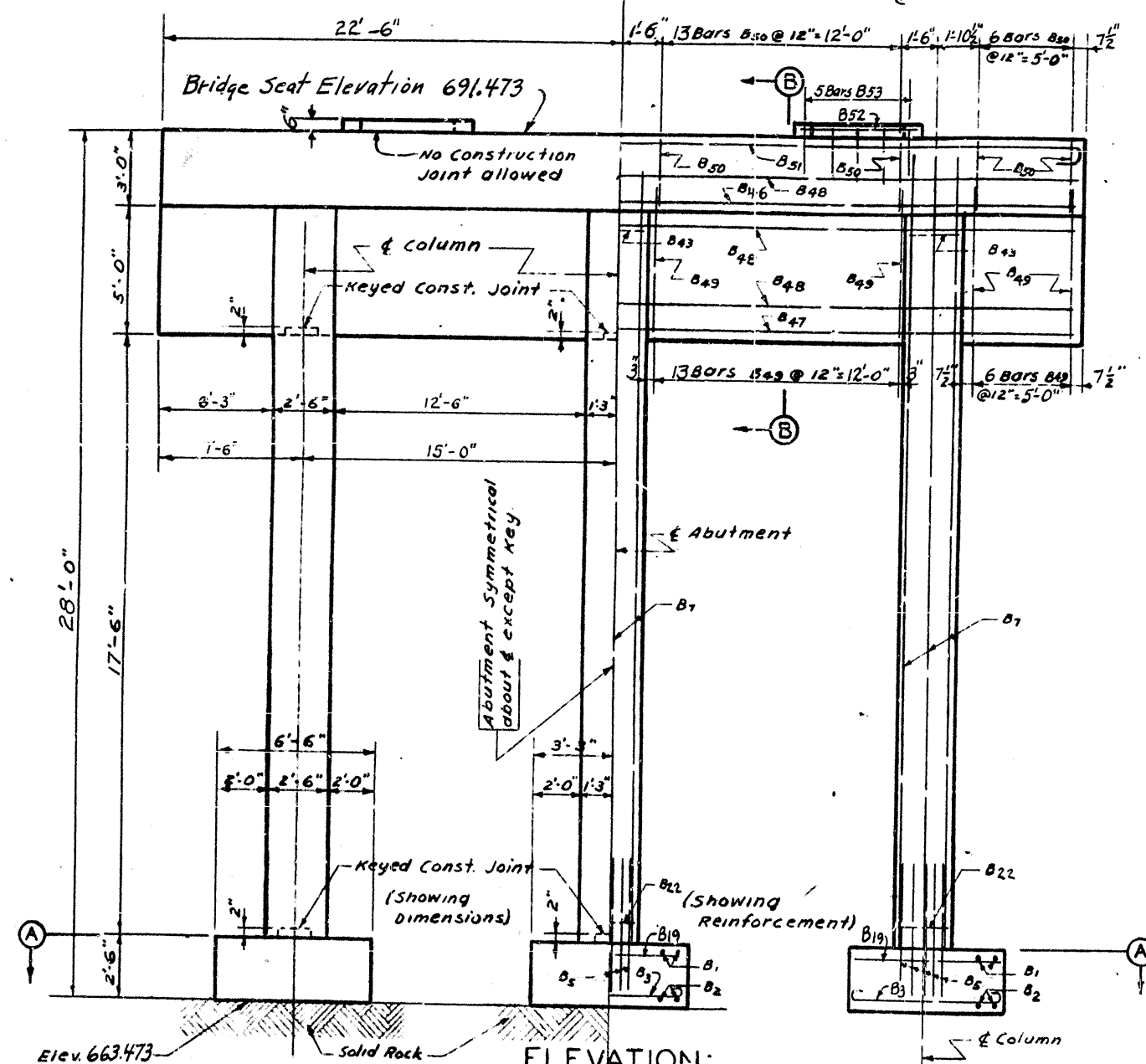
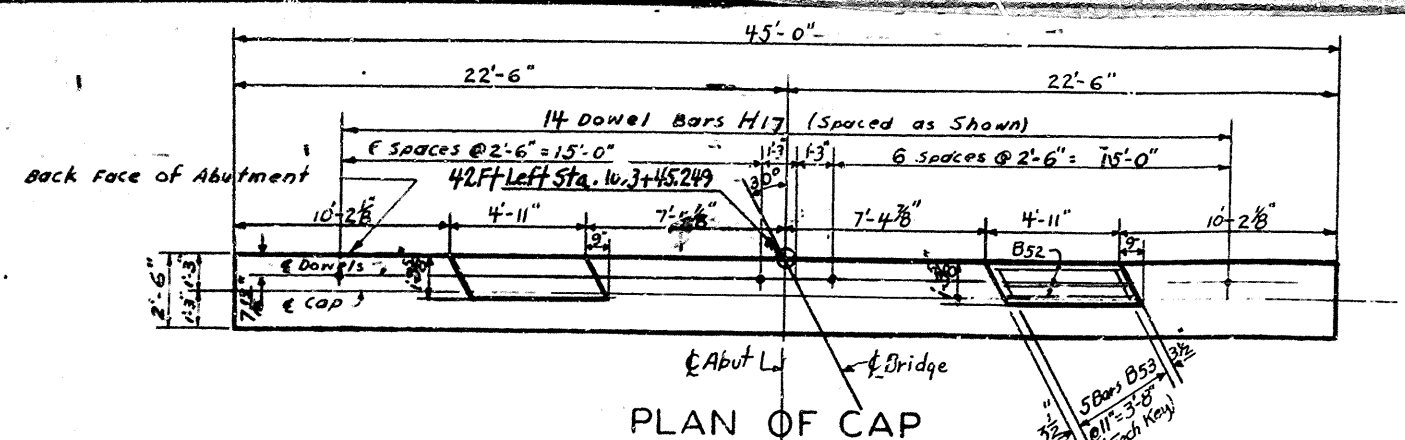


PIERS - NORTH AND SOUTH BRIDGES

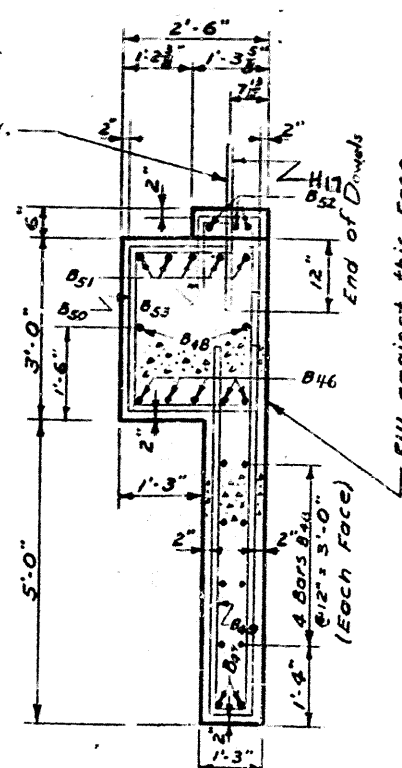
BRIDGE OVER BULL SKIN CREEK SHEET 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
SHELBY
LOUISVILLE-LEXINGTON
ROAD

STATION 109+198.5 PROJECT NO.
BRIDGE NUMBER 13297



NOTE:
Exposed portion of Dowels H17 to be painted and oiled before Deck Girder is poured. Dowel bars H17 are included in bill of reinforcement for Span 5 see Sheet 11 in this Drwg.



BILL OF REINFORCEMENT									
MARK	NO.	SIZE	LENGTH	LOCATION	FT.	IN.	FT.	IN.	
B1	30	#5	16	Top of Footing	15	4	15	6 1/2	
B2	30	#6	16	Bottom of Footing	15	2	15	6	
B3	72	#6	7	"	5	0	15	6	
B4	27	#5	11	Dowels	4	9 1/4	1	11 3/4	
B5	15	#6	6	"	4	11	5	5	
B6	9	#5	5	"					
B7	9	#5	25	COLUMNS	24	9	25	0	
B8	6	#5	25	"					
B9	6	#5	22	"					
B10	6	#5	19	"					
B11	6	#5	16	"					
B12	6	#5	14	"					
B13	6	#5	11	"					
B14	6	#5	8	"					
B15	6	#5	6	"					
B16	-	-	-	Not Used					
B17	-	-	-	Not Used					
B18	9	#6	26	Columns					
B19	5	#8	6	Top of Footing					
B20	-	-	-	Not Used					
B21	-	-	-	Not Used					
B22	3	#5	25	"	10	1 1/2	2	1	
B23	3	#5	24	"	9	2	2	1	
B24	3	#5	23	"	9	4 1/4	2	1	
B25	3	#5	22	"	9	0	2	1	
B26	3	#5	22	"	8	7 1/4	2	1	
B27	3	#5	21	"	8	3	2	1	
B28	3	#5	20	"	7	10 1/4	2	1	
B29	3	#5	19	"	7	6	2	1	
B30	3	#5	18	"	7	1 1/2	2	1	
B31	3	#5	18	"	6	9	2	1	
B32	3	#5	17	"	6	4 1/2	2	1	
B33	3	#5	16	"	6	0	2	1	
B34	3	#5	16	"	5	7 1/4	2	1	
B35	3	#5	15	"	5	3	2	1	
B36	3	#5	14	"	4	10 1/2	2	1	
B37	3	#5	13	"	4	6	2	1	
B38	3	#5	13	"	4	1 1/2	2	1	
B39	3	#5	12	"	3	9	2	1	
B40	3	#5	11	"	3	4 1/2	2	1	
B41	3	#5	10	"	3	0	2	1	
B42	3	#5	10	"	2	7 1/2	2	1	
B43	3	#5	9	"	2	3	2	1	
B44	-	-	-	Not Used					
B45	-	-	-	Not Used					
B46	5	#8	44	Bottom of Cap					
B47	2	#7	44	Curtain Wall					
B48	10	#6	44	Curtain Wall & Cap					
B49	38	#5	13	"	6	2	0	11	
B50	38	#5	10	"	2	0	2	2	
B51	5	#8	46	Cap					
B52	6	#5	4	Keys					
B53	10	#4	3	Key & Cap	1	8	1	1	

ESTIMATE OF QUANTITIES

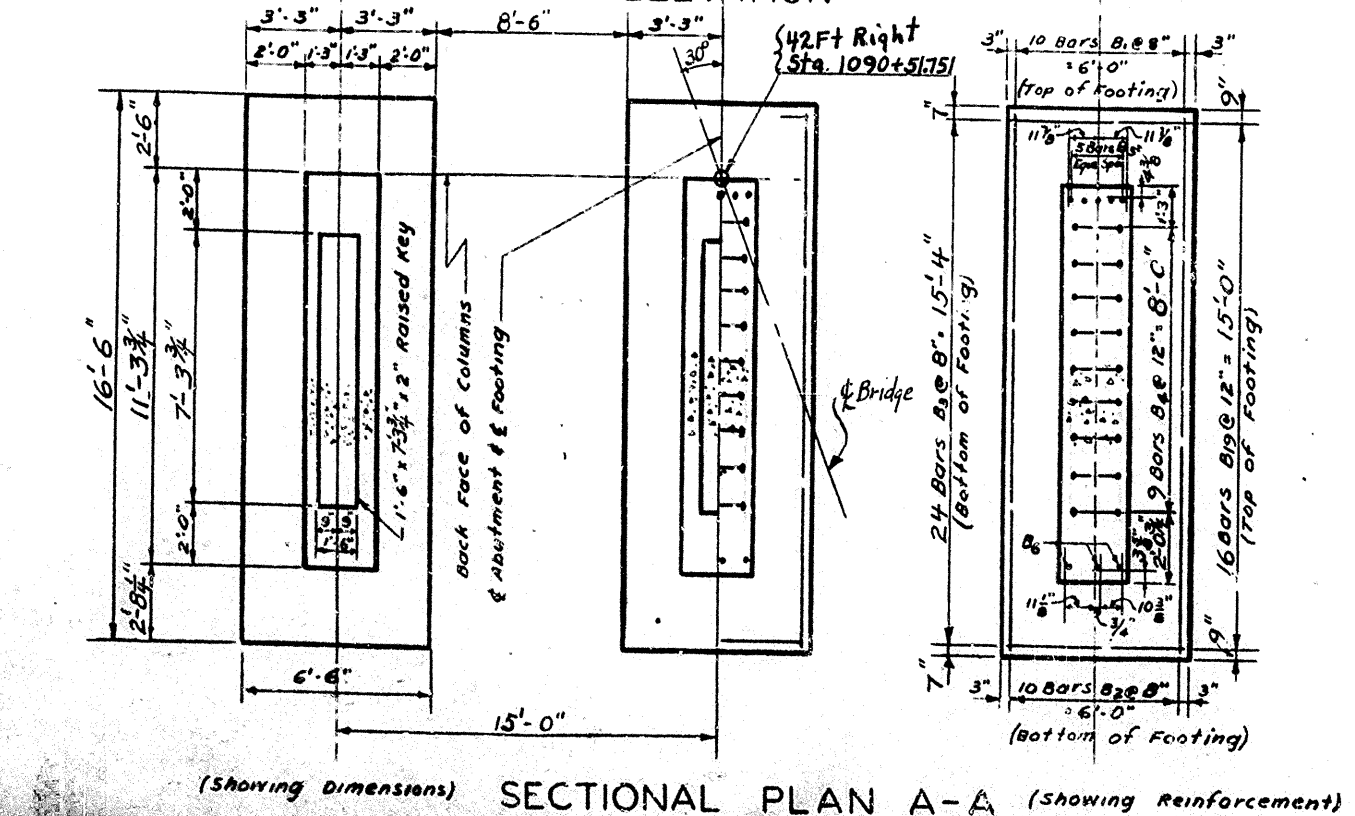
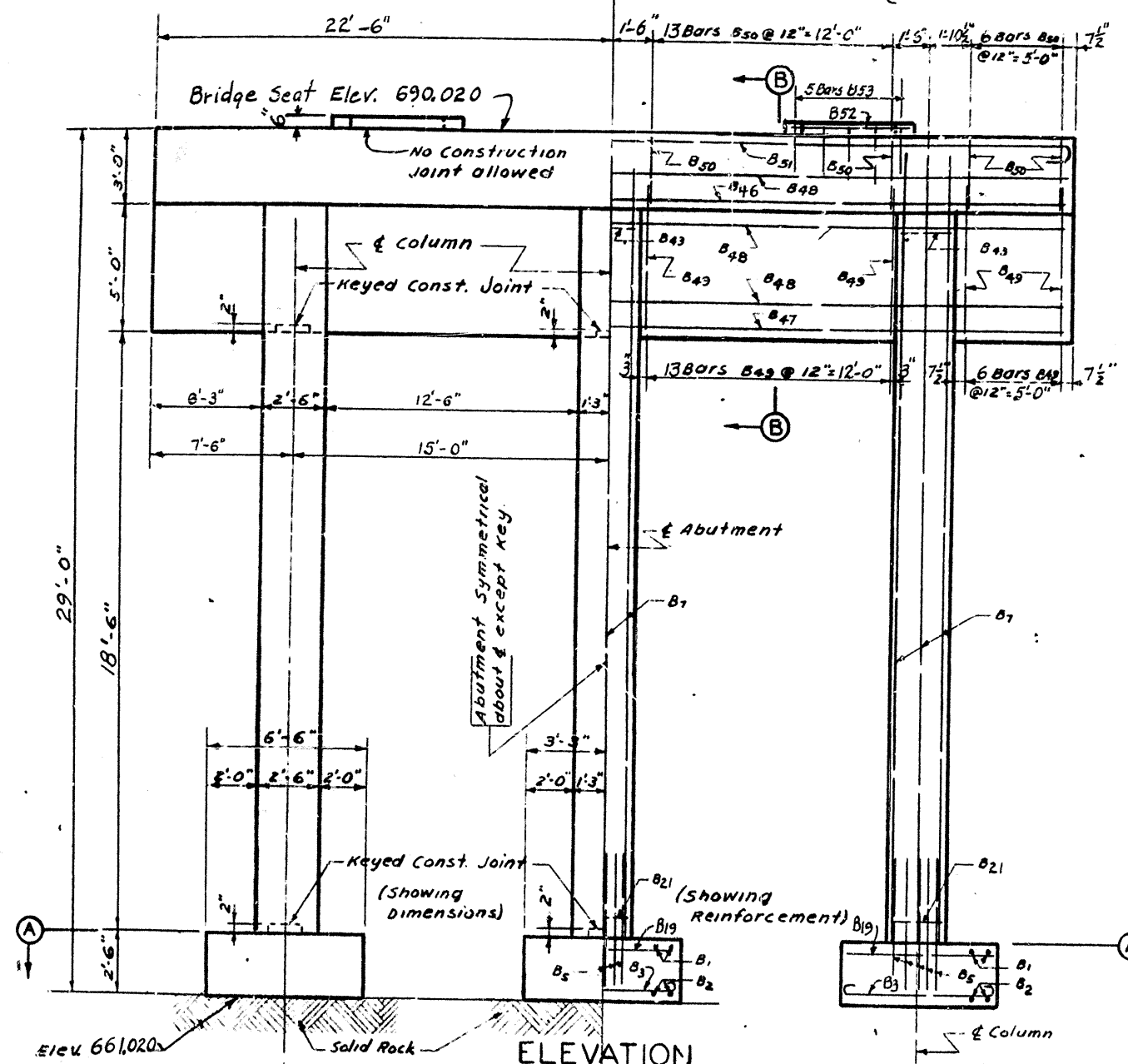
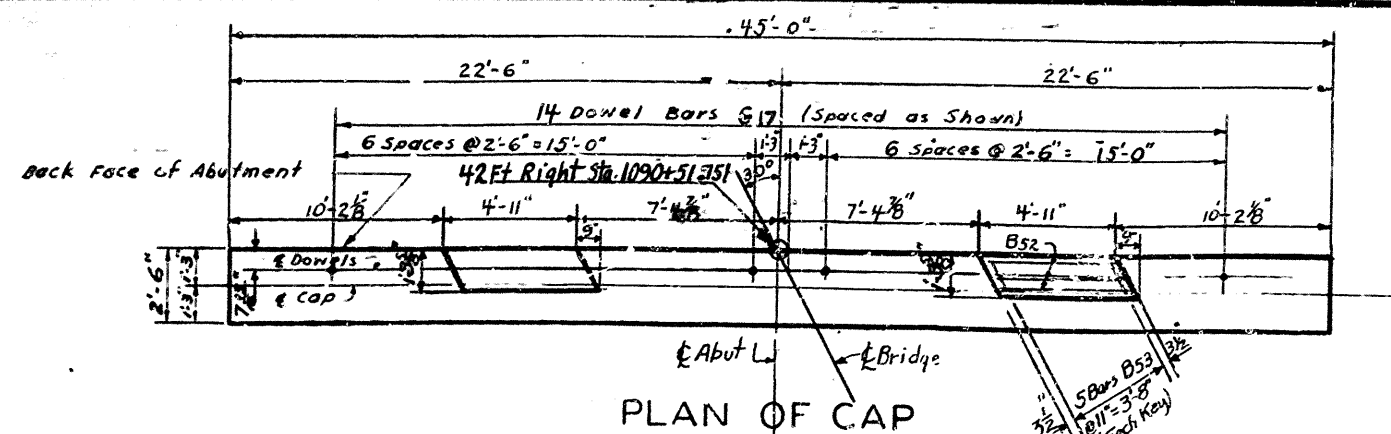
Concrete, Class "A" 92.3 Cu. Yds.
Reinforcement 8660 Lbs.

BRIDGE OVER BULL SHIN CREEK Sheet 6

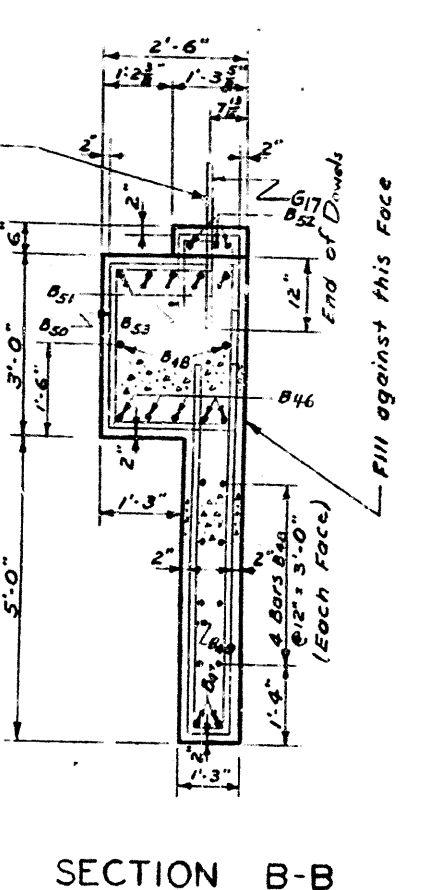
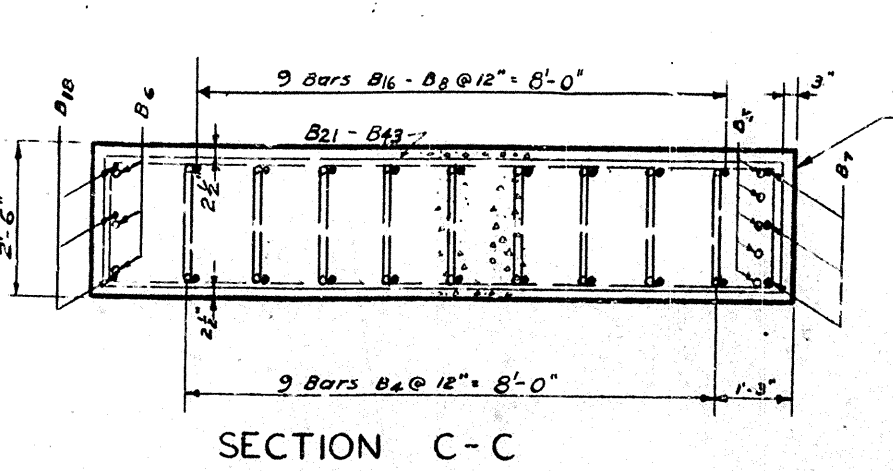
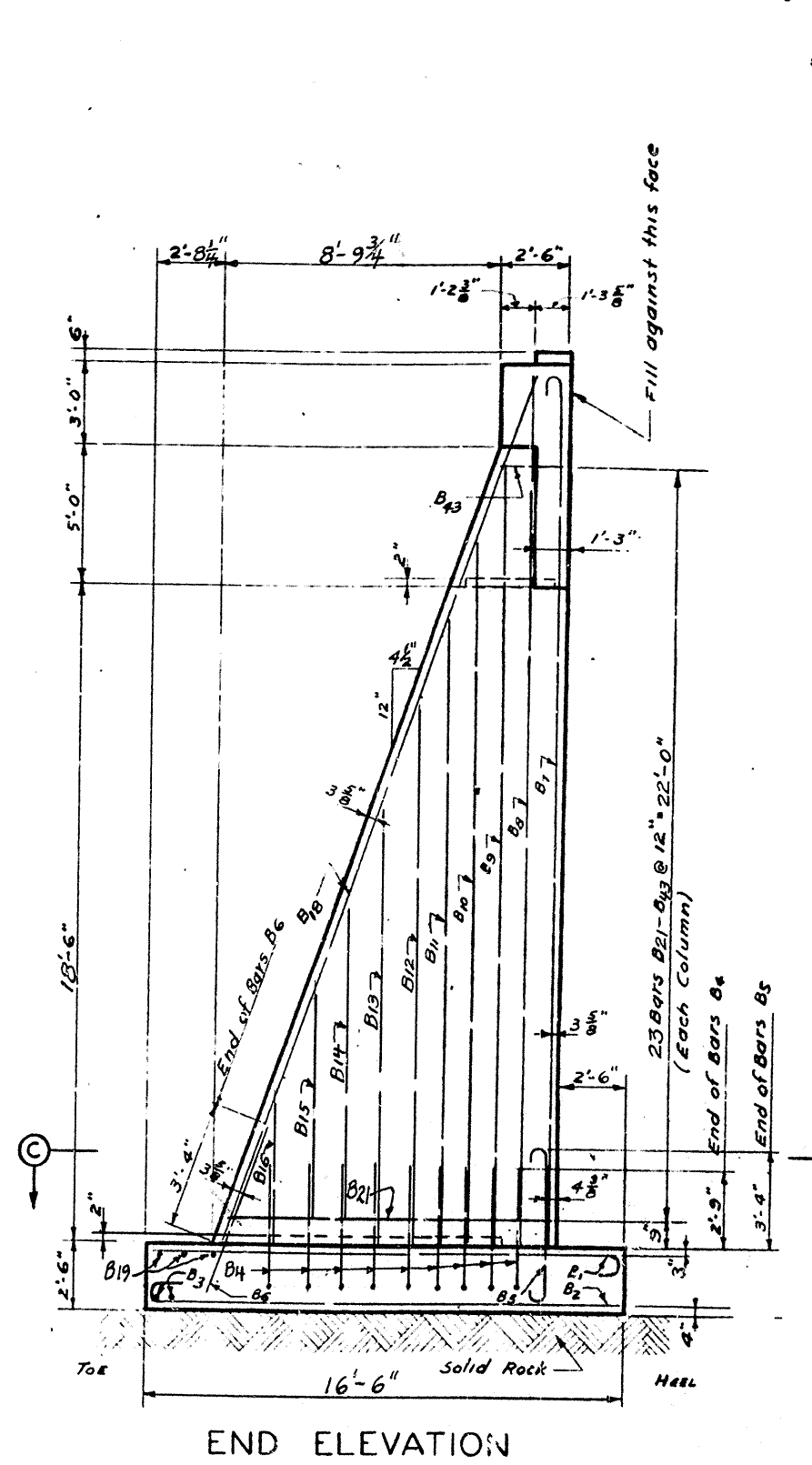
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

SHELBY
LOUISVILLE-LEXINGTON
ROAD

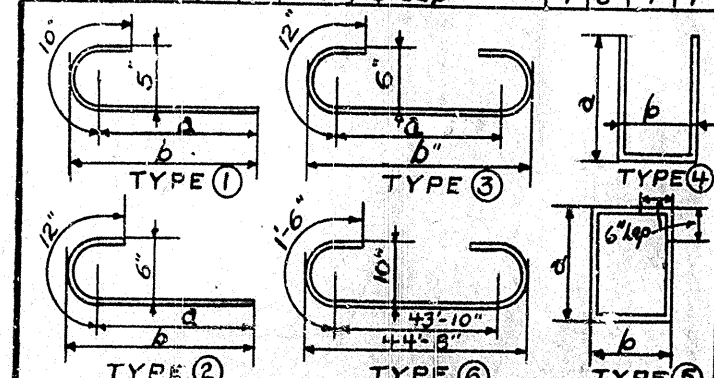
STATION 1091+98.5 PROJECT No.
BRIDGE NUMBER 13247



NOTE:
Exposed portion of Dowels G17 to be painted and oiled before Deck Slab is poured. Dowel Bars G17 are included in bill of reinforcement for Span 1a see Sheet 9-10 of this Drwg.



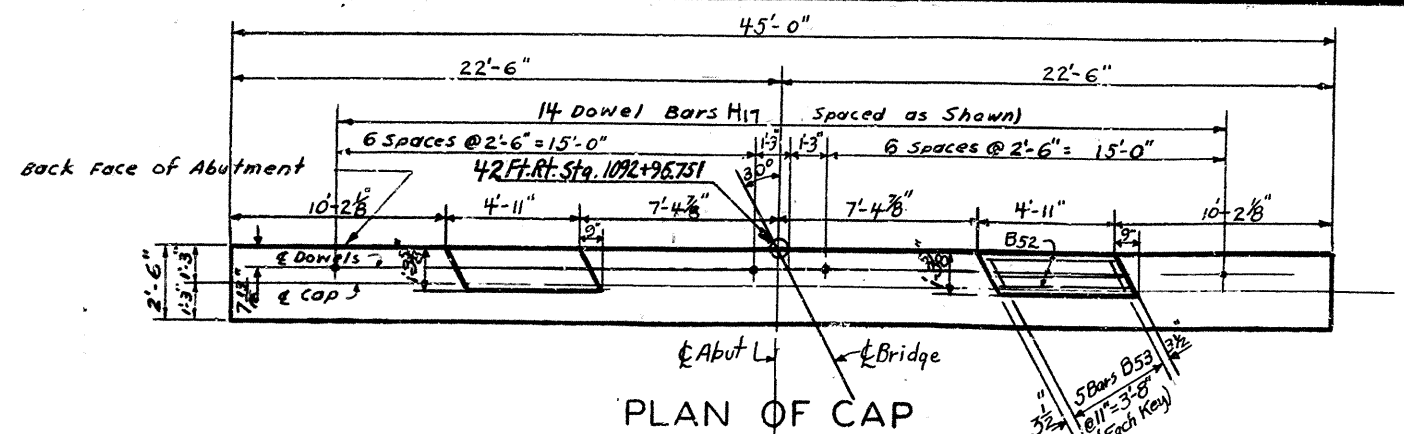
BILL OF REINFORCEMENT									
MARK	NO.	SIZE	LENGTH	LOCATION	a	b	c	d	
B1	30	#5	16.8	Top of Footing	15	10	16	0	
B2	30	#5	16.8	Bottom of Footing	15	10	16	0	
B3	72	#6	7.6	"	5	6	6	0	
B4	27	#5	11.5	Dowels	4	9	1	11	
B5	15	#6	4.1	"	4	11	5	5	
B6	9	#5	5.5	"	4	11	5	5	
B7	9	#5	26.9	Columns	25	9	26	0	
B8	6	#5	26.0	"	25	9	26	0	
B9	6	#5	23.3	"	25	9	26	0	
B10	6	#5	20.7	"	25	9	26	0	
B11	6	#5	17.1	"	25	9	26	0	
B12	6	#5	15.3	"	25	9	26	0	
B13	6	#5	12.6	"	25	9	26	0	
B14	6	#5	9.10	"	25	9	26	0	
B15	6	#5	7.2	"	25	9	26	0	
B16	6	#5	4.6	"	25	9	26	0	
B17	6	#5	4.6	"	25	9	26	0	
B18	9	#6	27.10	Not Used					
B19	40	#5	6.0	Top of Footing	15	10	16	0	
B20	40	#5	6.0	Bottom of Footing	15	10	16	0	
B21	3	#5	25.11	Columns	10	6	2	1	
B22	3	#5	25.2	"	10	6	2	1	
B23	3	#5	24.5	"	9	9	2	1	
B24	3	#5	24.5	"	9	9	2	1	
B25	3	#5	22.1	"	9	9	2	1	
B26	3	#5	22.2	"	9	9	2	1	
B27	3	#5	21.5	"	8	7	2	1	
B28	3	#5	20.8	"	8	5	2	1	
B29	3	#5	19.11	"	7	10	2	1	
B30	3	#5	19.2	"	7	10	2	1	
B31	3	#5	18.5	"	6	9	2	1	
B32	3	#5	17.6	"	6	4	2	1	
B33	3	#5	16.11	"	6	0	2	1	
B34	3	#5	16.2	"	5	7	2	1	
B35	3	#5	15.5	"	5	3	2	1	
B36	3	#5	14.8	"	4	10	2	1	
B37	3	#5	13.11	"	4	6	2	1	
B38	3	#5	13.2	"	4	1	2	1	
B39	3	#5	12.5	"	3	9	2	1	
B40	3	#5	11.8	"	3	4	2	1	
B41	3	#5	10.11	"	3	0	2	1	
B42	3	#5	10.2	"	2	7	2	1	
B43	3	#5	9.5	"	2	3	2	1	
B44	5	#8	44.8	Bottom of Cap					
B45	2	#7	44.8	Curtain Wall					
B46	10	#6	44.8	Curtain Wall & Cap					
B47	38	#3	13.1	"					
B48	38	#3	10.5	Cap	6	2	0	11	
B49	5	#8	46.10	"					
B50	6	#5	4.8	Keys					
B51	10	#4	3	Key & Cap	1	8	1	1	



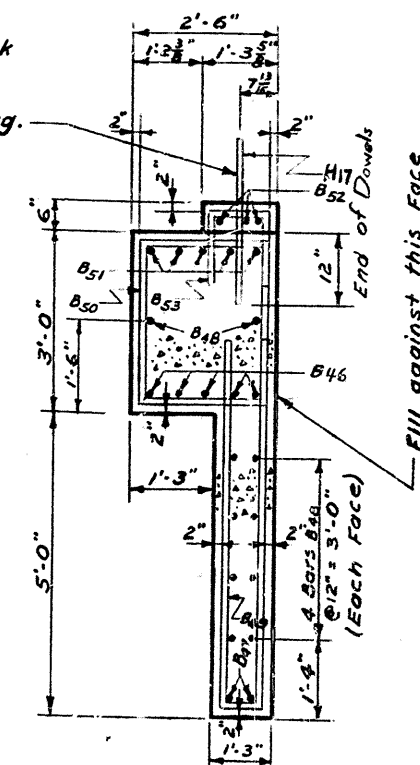
ESTIMATE OF QUANTITIES		
Concrete, Class "A"	96.3	Cu. Yds.
Reinforcement	888.5	Lbs.

BRIDGE OVER BULL SHIN CREEK Sheet 7

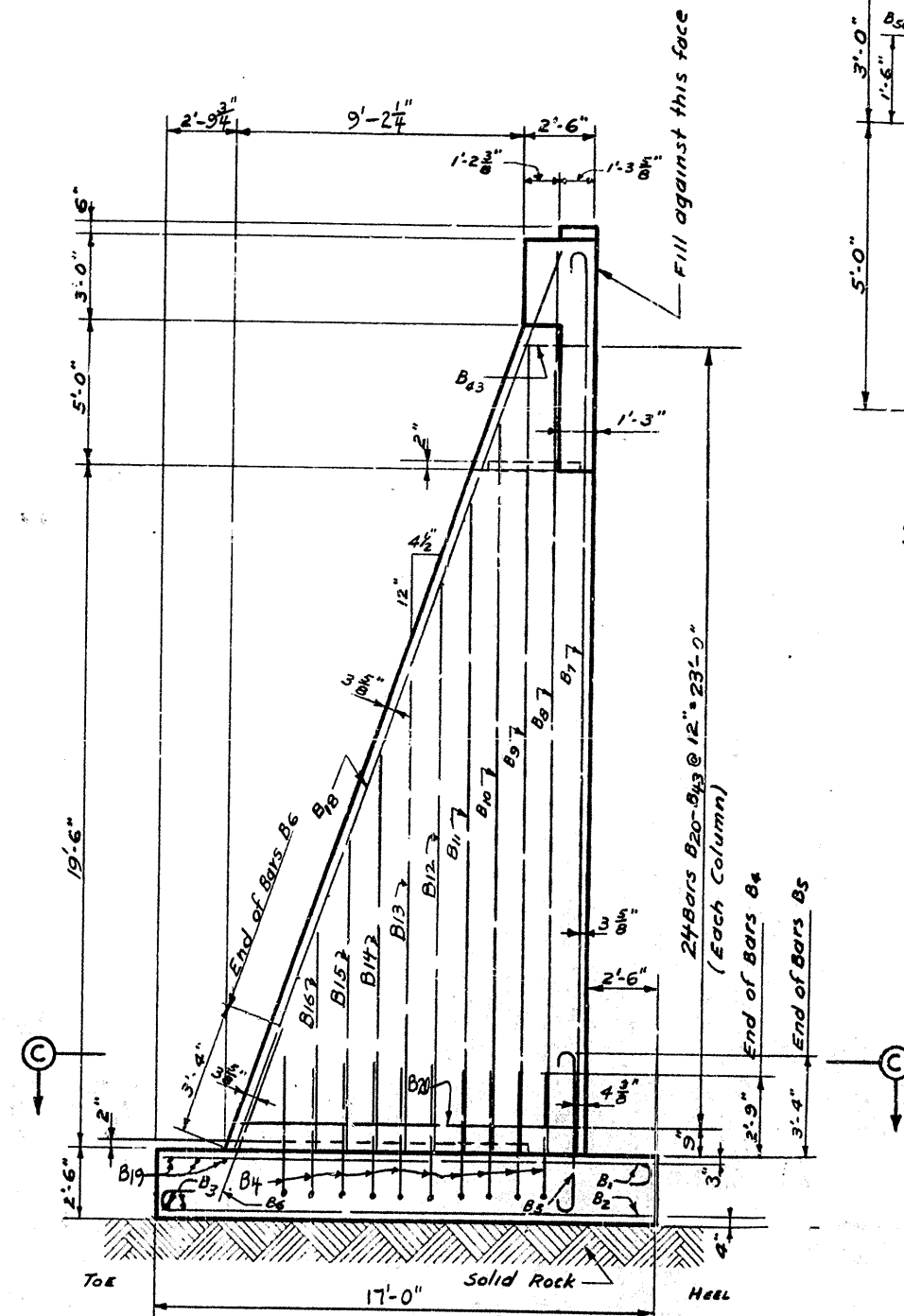
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
SHELBY
LOUISVILLE-LEXINGTON
ROAD
STATION 1091+98.5 PROJECT NO.
BRIDGE NUMBER 13297



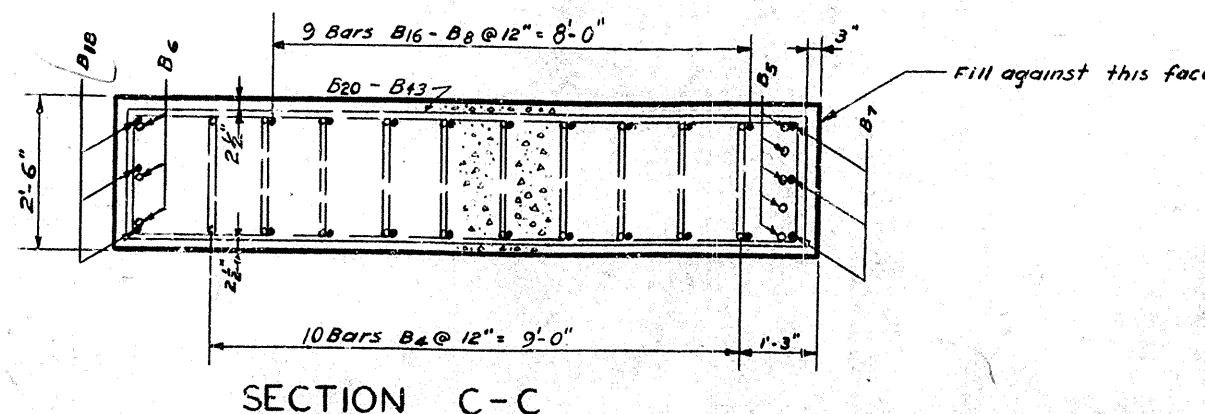
NOTE:
Exposed portion of Dowels H17 to be painted and oiled before Deck Girder is poured. Dowel bars H17 are included in bill of reinforcement for Span 5 see Sheet 11+12 this Drwg.



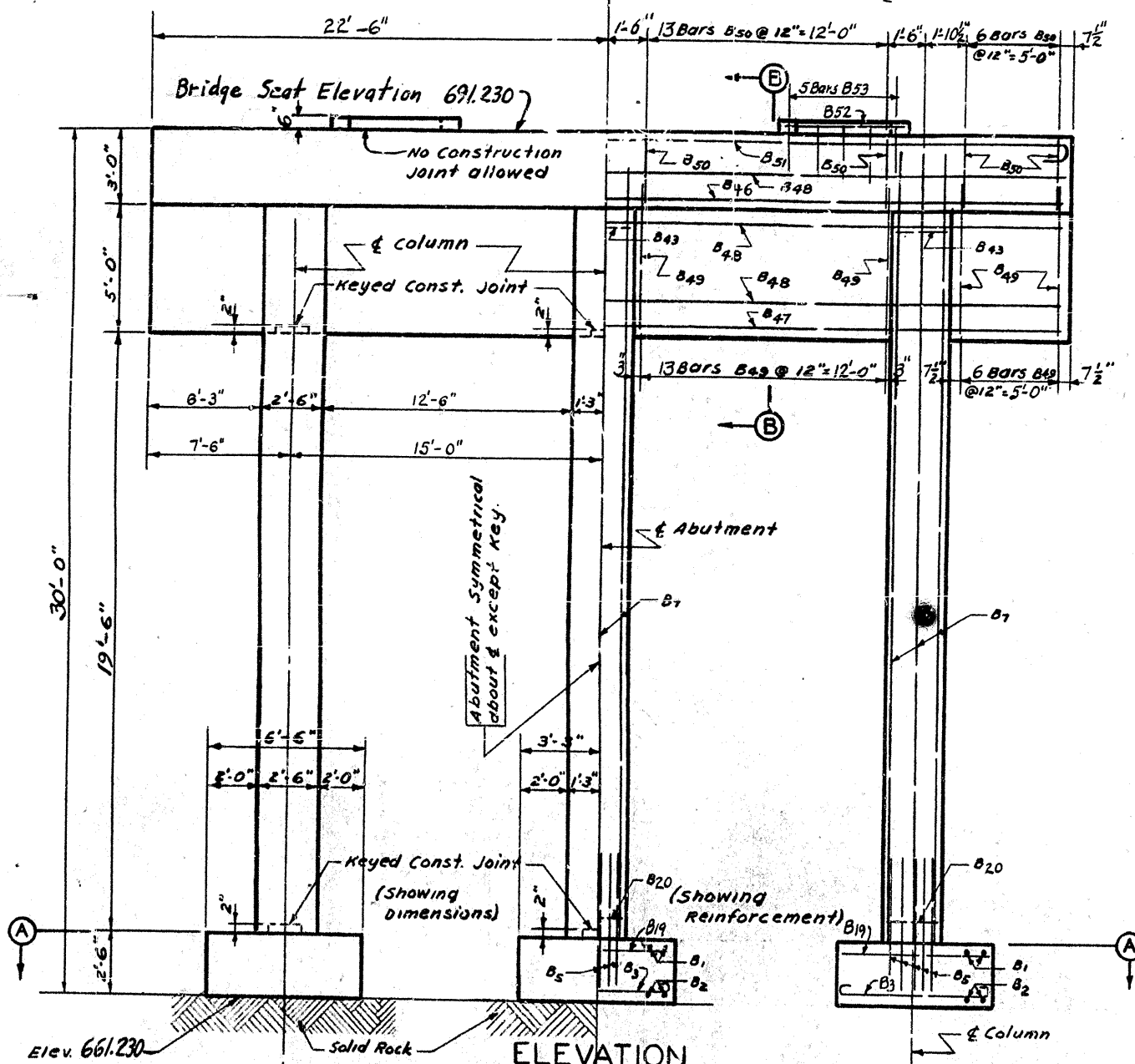
SECTION B-B



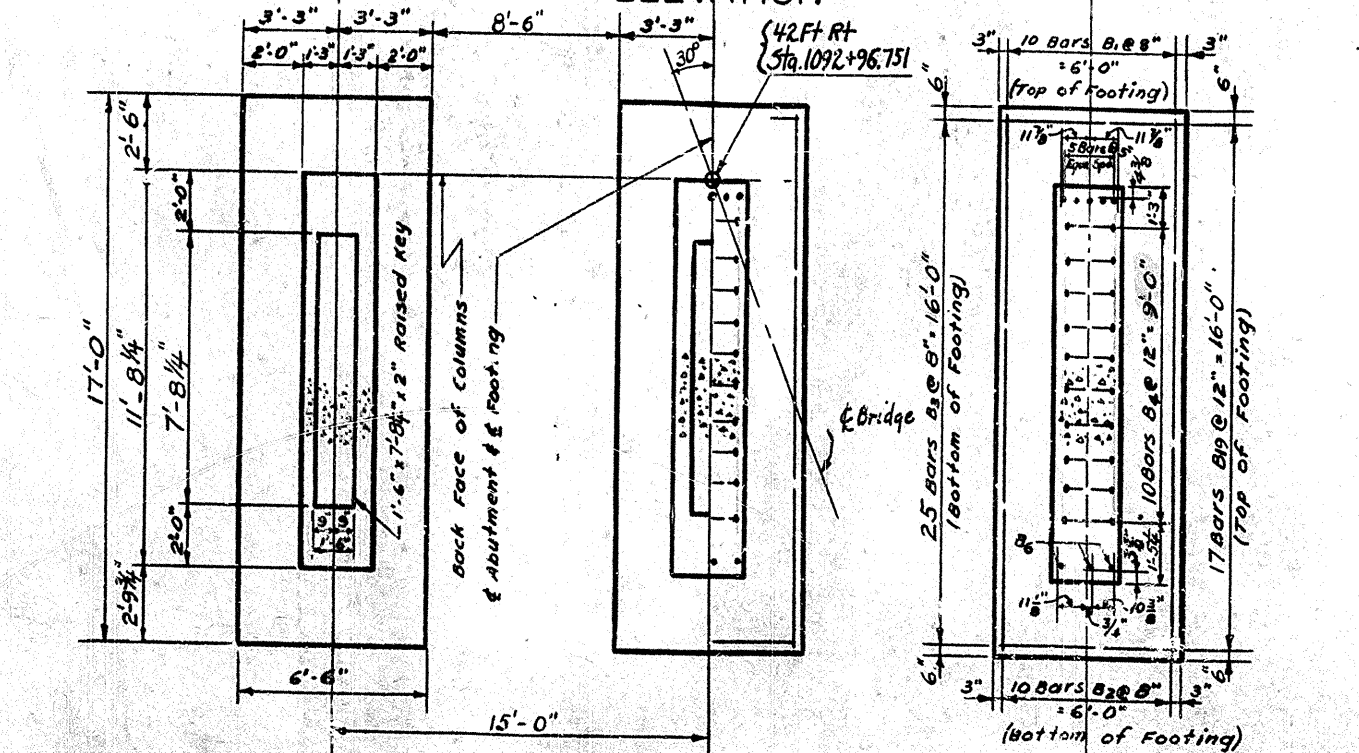
END ELEVATION



SECTION C-C



ELEVATION



SECTIONAL PLAN A-A (Showing Reinforcement)

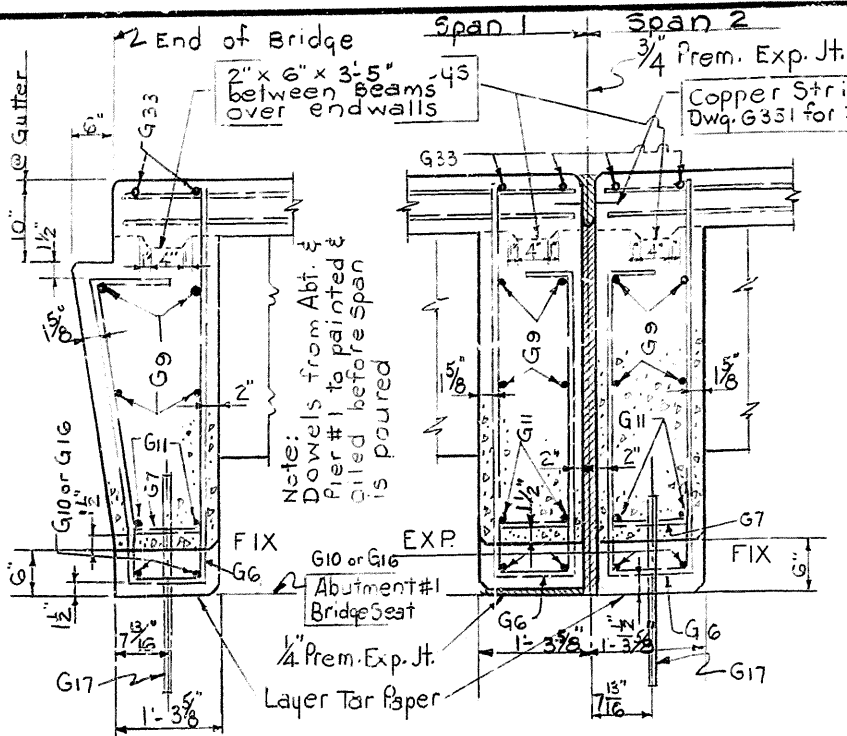
BILL OF REINFORCEMENT									
ITEM	TYPE	NO.	SIZE	LENGTH	LOCATION	a	b		
B1	30	17	2	16.4	Top of Footing	16.4	16.4	8	
B2	30	17	3	16.4	Bottom of Footing	16.4	16.4	6	
B3	15	6	11	5.6	"	5.6	6.0	0	
B4	30	5	11	4.9	Dowels	4.9	11.1	11	
B5	15	6	11	4.1	"	4.1	5.5	5	
B6	5	5	5	2.7	"	2.7	2.7	0	
B7	5	27	9	2.7	Columns	2.7	9.2	0	
B8	5	27	0	2.7	"	2.7	9.2	0	
B9	5	24	3	2.7	"	2.7	9.2	0	
B10	5	21	1	2.7	"	2.7	9.2	0	
B11	5	18	1	2.7	"	2.7	9.2	0	
B12	5	16	3	2.7	"	2.7	9.2	0	
B13	5	13	6	2.7	"	2.7	9.2	0	
B14	5	10	10	2.7	"	2.7	9.2	0	
B15	5	8	2	2.7	"	2.7	9.2	0	
B16	5	5	6	2.7	"	2.7	9.2	0	
B17	5	2	10	2.7	"	2.7	9.2	0	
B18	5	1	16	2.7	"	2.7	9.2	0	
B19	5	0	28	2.7	Not Used	2.7	9.2	0	
B20	5	0	28	2.7	Columns	2.7	9.2	0	
B21	5	0	28	2.7	Top of Footing	2.7	9.2	0	
B22	5	0	28	2.7	Columns	2.7	9.2	0	
B23	5	0	28	2.7	"	2.7	9.2	0	
B24	5	0	28	2.7	"	2.7	9.2	0	
B25	5	0	28	2.7	"	2.7	9.2	0	
B26	5	0	28	2.7	"	2.7	9.2	0	
B27	5	0	28	2.7	"	2.7	9.2	0	
B28	5	0	28	2.7	"	2.7	9.2	0	
B29	5	0	28	2.7	"	2.7	9.2	0	
B30	5	0	28	2.7	"	2.7	9.2	0	
B31	5	0	28	2.7	"	2.7	9.2	0	
B32	5	0	28	2.7	"	2.7	9.2	0	
B33	5	0	28	2.7	"	2.7	9.2	0	
B34	5	0	28	2.7	"	2.7	9.2	0	
B35	5	0	28	2.7	"	2.7	9.2	0	
B36	5	0	28	2.7	"	2.7	9.2	0	
B37	5	0	28	2.7	"	2.7	9.2	0	
B38	5	0	28	2.7	"	2.7	9.2	0	
B39	5	0	28	2.7	"	2.7	9.2	0	
B40	5	0	28	2.7	"	2.7	9.2	0	
B41	5	0	28	2.7	"	2.7	9.2	0	
B42	5	0	28	2.7	"	2.7	9.2	0	
B43	5	0	28	2.7	"	2.7	9.2	0	
B44	5	0	28	2.7	"	2.7	9.2	0	
B45	5	0	28	2.7	"	2.7	9.2	0	
B46	5	0	28	2.7	"	2.7	9.2	0	
B47	5	0	28	2.7	"	2.7	9.2	0	
B48	5	0	28	2.7	"	2.7	9.2	0	
B49	5	0	28	2.7	"	2.7	9.2	0	
B50	5	0	28	2.7	"	2.7	9.2	0	
B51	5	0	28	2.7	"	2.7	9.2	0	
B52	5	0	28	2.7	"	2.7	9.2	0	
B53	5	0	28	2.7	"	2.7	9.2	0	
B54	5	0	28	2.7	"	2.7	9.2	0	
B55	5	0	28	2.7	"	2.7	9.2	0	
B56	5	0	28	2.7	"	2.7	9.2	0	
B57	5	0	28	2.7	"	2.7	9.2	0	
B58	5	0	28	2.7	"	2.7	9.2	0	
B59	5	0	28	2.7	"	2.7	9.2	0	
B60	5	0	28	2.7	"	2.7	9.2	0	
B61	5	0	28	2.7	"	2.7	9.2	0	
B62	5	0	28	2.7	"	2.7	9.2	0	
B63	5	0	28	2.7	"	2.7	9.2	0	
B64	5	0	28	2.7	"	2.7	9.2	0	
B65	5	0	28	2.7	"	2.7	9.2	0	
B66	5	0	28	2.7	"	2.7	9.2	0	
B67	5	0	28	2.7	"	2.7	9.2	0	
B68	5	0	28	2.7	"	2.7	9.2	0	
B69	5	0	28	2.7	"	2.7	9.2	0	
B70	5	0	28	2.7	"	2.7	9.2	0	
B71	5	0	28	2.7	"	2.7	9.2	0	
B72	5	0	28	2.7	"	2.7	9.2	0	
B73	5	0	28	2.7	"	2.7	9.2	0	
B74	5	0	28	2.7	"	2.7	9.2	0	
B75	5	0	28	2.7	"	2.7	9.2	0	
B76	5	0	28	2.7	"	2.7	9.2	0	
B77	5	0	28	2.7	"	2.7	9.2	0	
B78	5	0	28	2.7	"	2.7	9.2	0	
B79	5	0	28	2.7	"	2.7	9.2	0	
B80	5	0	28	2.7	"	2.7	9.2	0	
B81	5	0	28	2.7	"	2.7	9.2	0	
B82	5	0	28	2.7	"	2.7	9.2	0	
B83	5	0	28	2.7	"	2.7	9.2	0	
B84	5	0	28	2.7	"	2.7	9.2	0	
B85	5	0	28	2.7	"	2.7	9.2	0	
B86	5	0	28	2.7	"	2.7	9.2	0	
B87	5	0	28	2.7	"	2.7	9.2	0	
B88	5	0	28	2.7	"	2.7	9.2	0	
B89	5	0	28	2.7	"	2.7	9.2	0	
B90	5	0	28	2.7	"	2.7	9.2	0	
B91	5	0	28	2.7	"	2.7	9.2	0	
B92	5	0	28	2.7	"	2.7	9.2	0	
B93	5	0	28	2.7	"	2.7	9.2	0	
B94	5	0	28	2.7	"	2.7	9.2	0	
B95	5	0	28	2.7	"	2.7	9.2	0	
B96	5	0	28	2.7	"	2.7	9.2	0	
B97	5	0	28	2.7	"	2.7	9.2	0	
B98	5	0	28	2.7	"	2.7	9.2	0	
B99	5	0	28	2.7	"	2.7	9.2	0	
B100	5	0	28	2.7	"	2.7	9.2	0	

ESTIMATE OF QUANTITIES		
Concrete, Class "A"	100.4	Cu. Yds.
Reinforcement	9178	Lbs.

BRIDGE OVER BULL SHIN CREEK Sheet 8
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
SHELBY
LOUISVILLE-LEXINGTON
ROAD

ABUTMENT NO. 2 (SOUTH BRIDGE)

STATION 1091+98.5 PROJECT NO.
BRIDGE NUMBER 13297

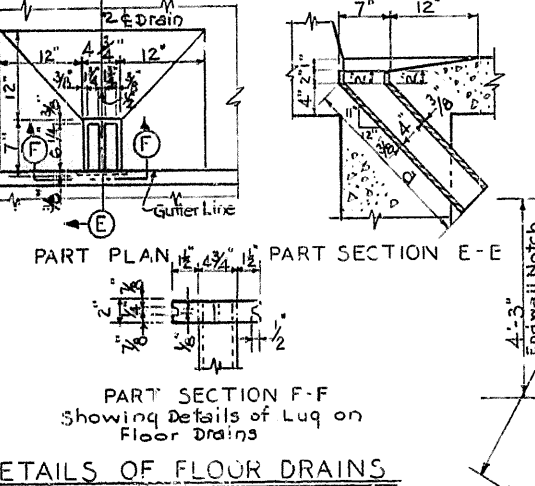


ESTIMATE OF QUANTITIES

	CONCRETE CLASS "A" CU YDS	REINFORCEMENT LBS
END SPAN	110.1	26,435
INTERMEDIATE	97.8	24,995

ESTIMATED WEIGHT OF ONE DRAIN WITH 5% ADDED FOR FILLETS

SPAN	d	CAST IRON LBS	ALUMINUM LBS
40' SPAN	2'-5"	54	21
50' "	2'-11"	65	25



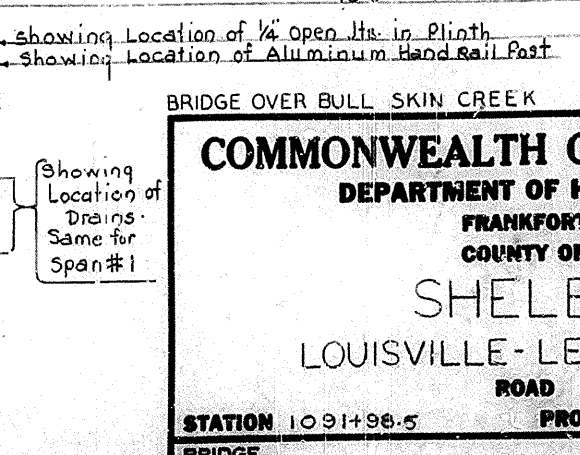
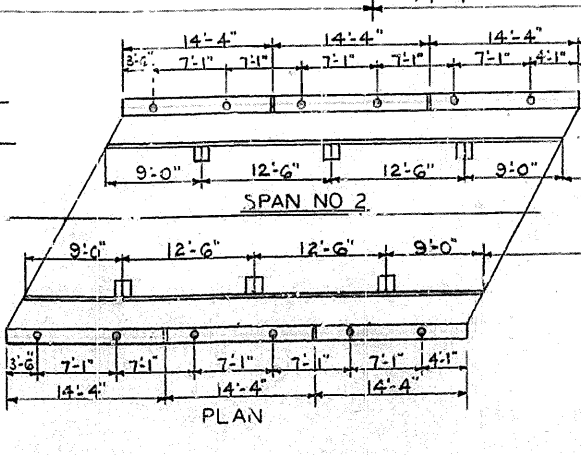
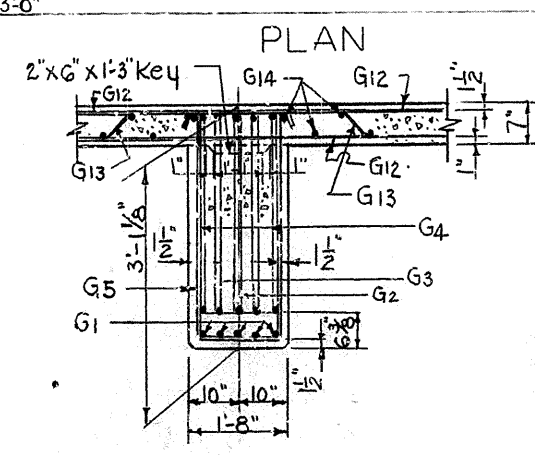
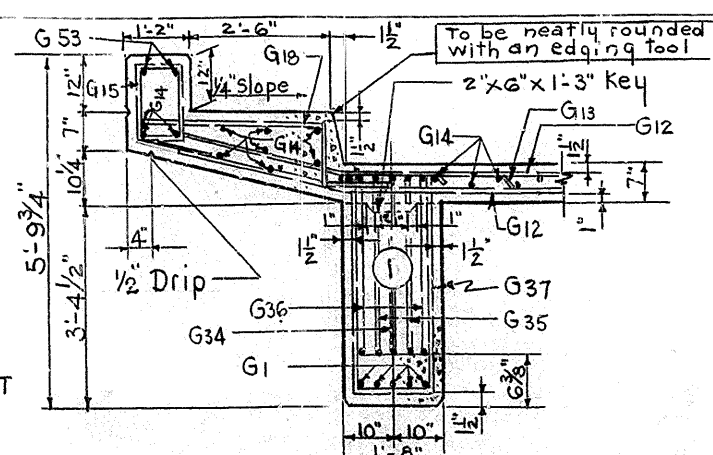
Foundry Note: Cast iron drains to be gray iron castings A.S.T.M. A-48. Current specifications, except that tensile & transverse test are not required. Form T-521, Report of Field Inspection of Castings, is to be submitted to the laboratory.

Aluminum Alloy drains shall conform to A.S.T.M. B-26-54T Class SG 10-A Temper 6.

Aluminum drains shall be given a corrosive resistant coating to prevent corrosion by concrete.

For Elevations at top of curb - See Construction Elevation Sheet No. 13.

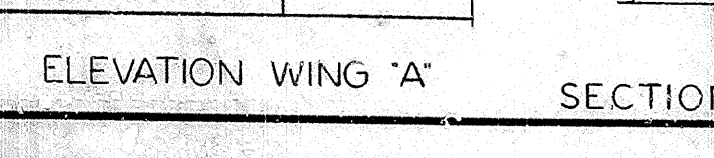
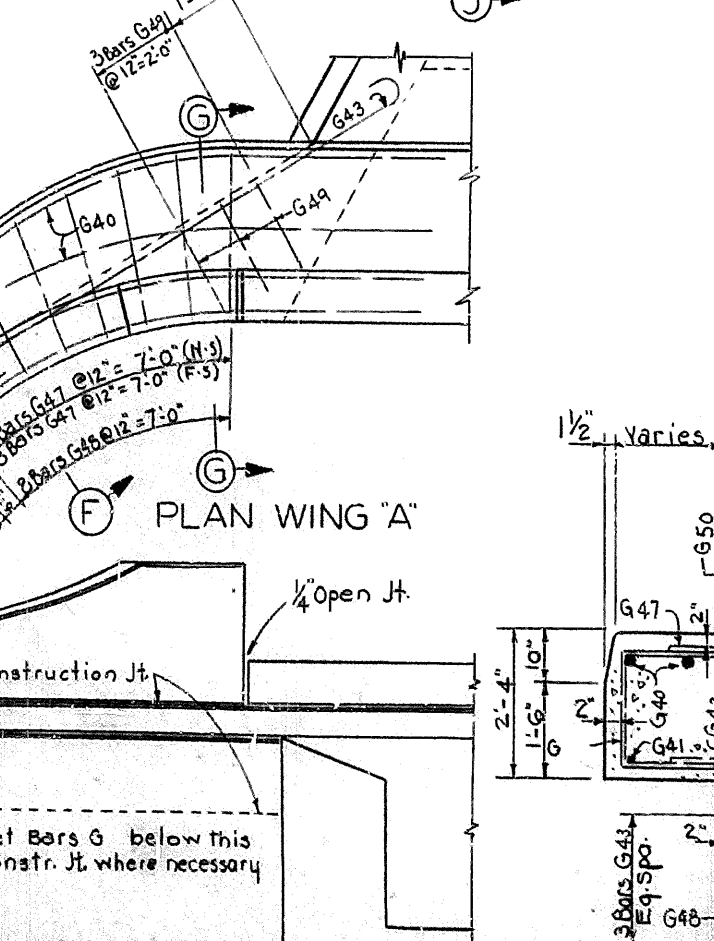
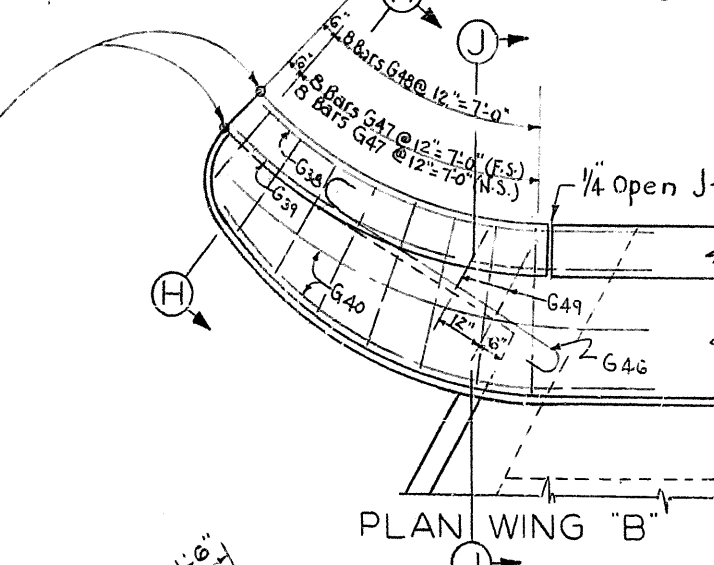
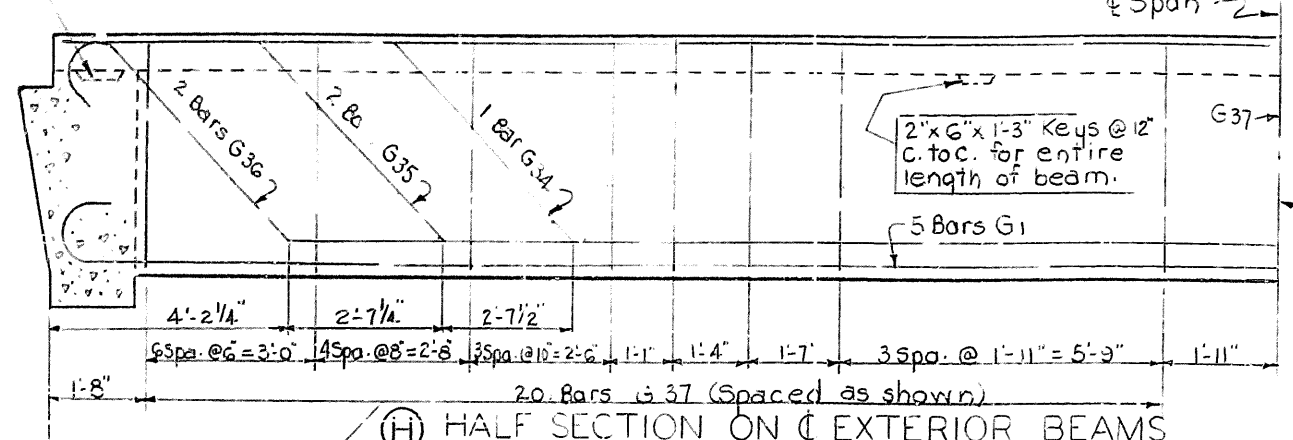
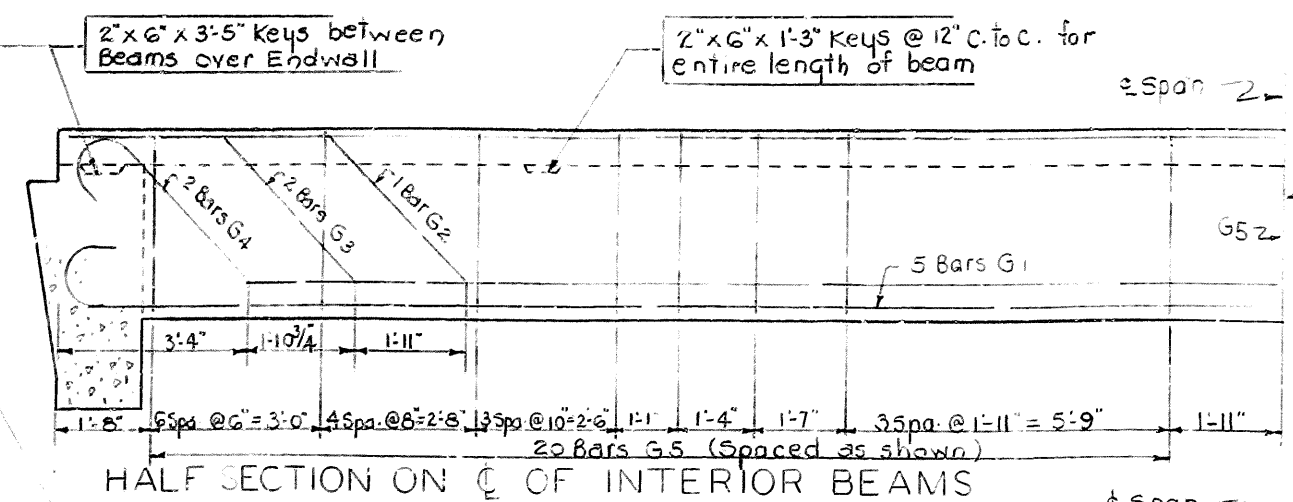
On it Cross Hatched portion of Endwall & Bars G6 & G8.



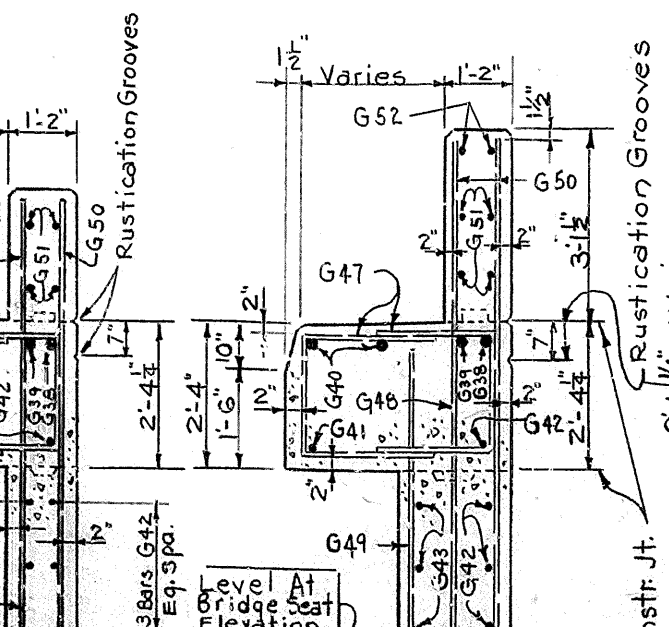
BRIDGE OVER BULL SKIN CREEK SHEET 9

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 SHELBY
 LOUISVILLE - LEXINGTON
 ROAD

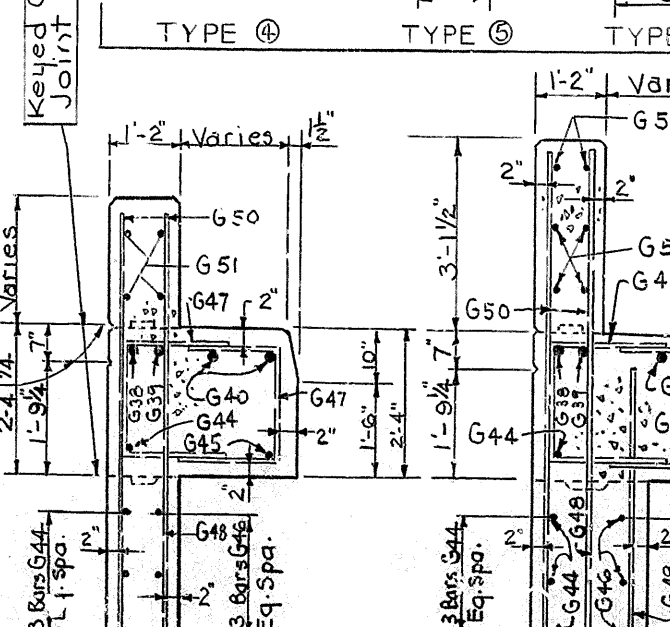
STATION 1091+98.5 PROJECT NO. 13297



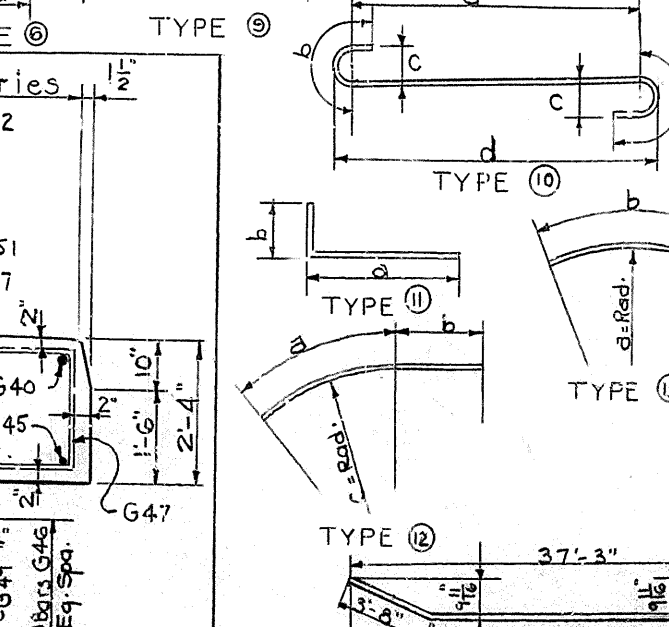
DEVELOPED WING AND WING RAIL
WING SHOWN IS WING "A"
WING RAIL SHOWN IS TYPICAL FOR WING "B"



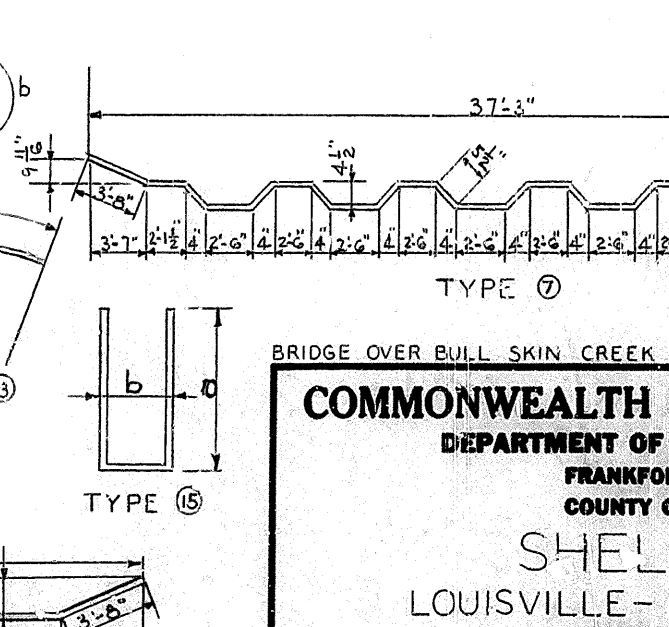
SECTION F-F



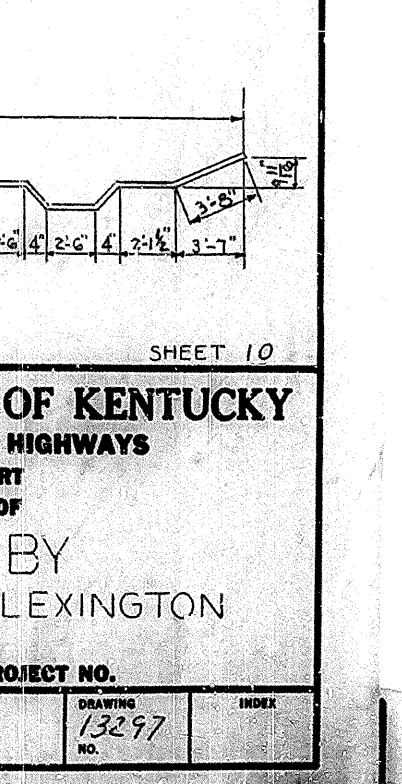
SECTION G-G



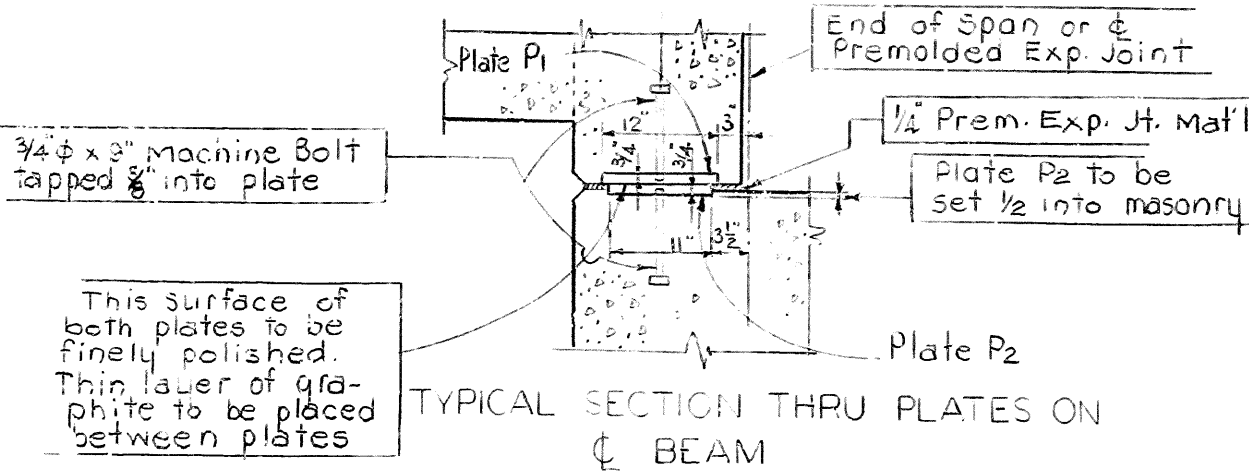
SECTION H-H



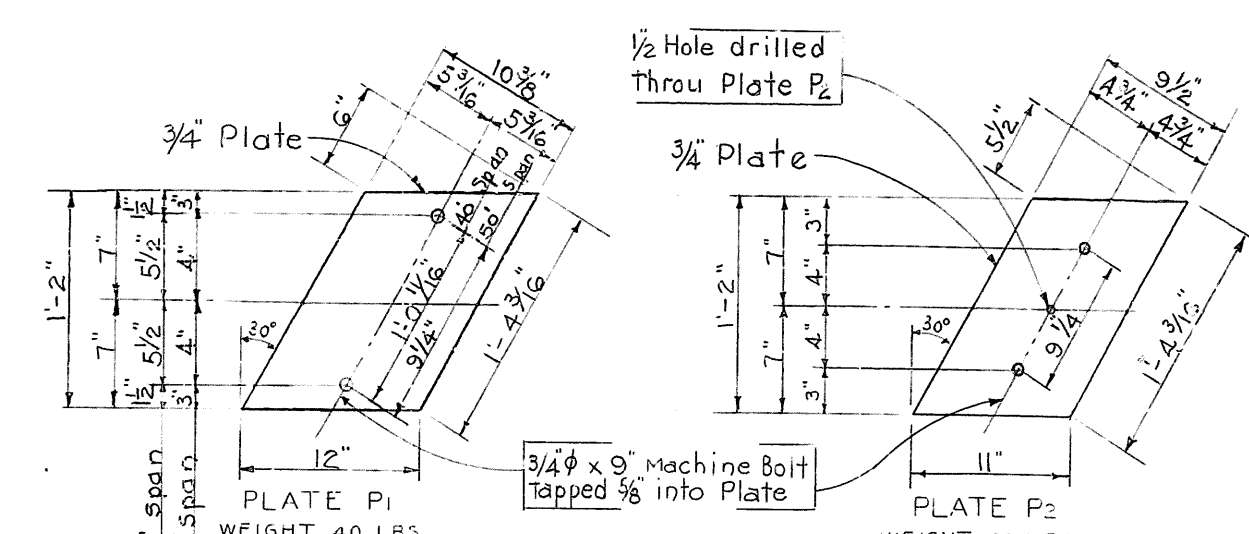
SECTION J-J



40' SPAN

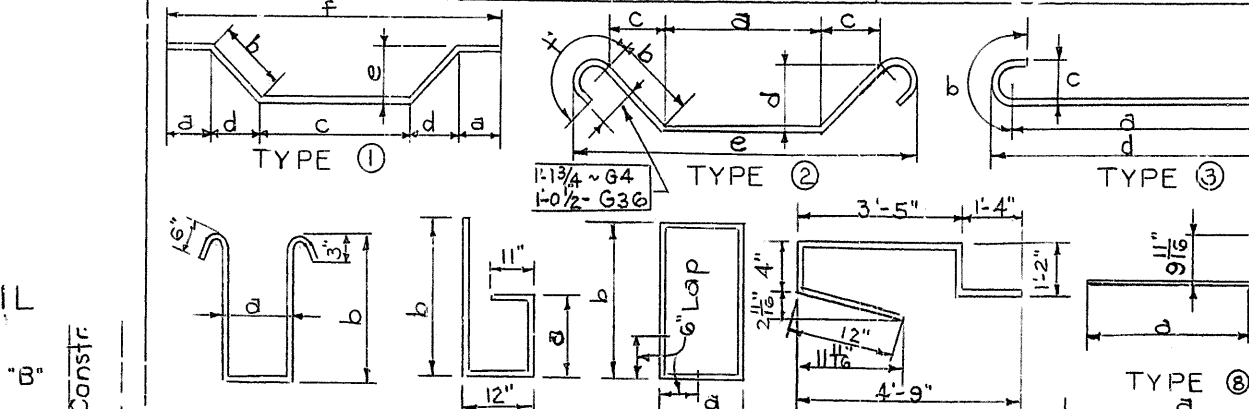


TYPICAL SECTION THRU PLATES ON
C BEAM



DETAILS OF EXPANSION PLATES

30 PLATES P1 & 30 PLATES P2 REQUIRED FOR ONE BRIDGE
Expansion Plate: All plates to be A.S.T.M., B-22 Class "C" or 8-100 Type 1 or 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.



TYPE 1 TYPE 2 TYPE 3 TYPE 4 TYPE 5 TYPE 6 TYPE 7 TYPE 8 TYPE 9 TYPE 10 TYPE 11 TYPE 12 TYPE 13 TYPE 14 TYPE 15

BILL OF REINFORCEMENT

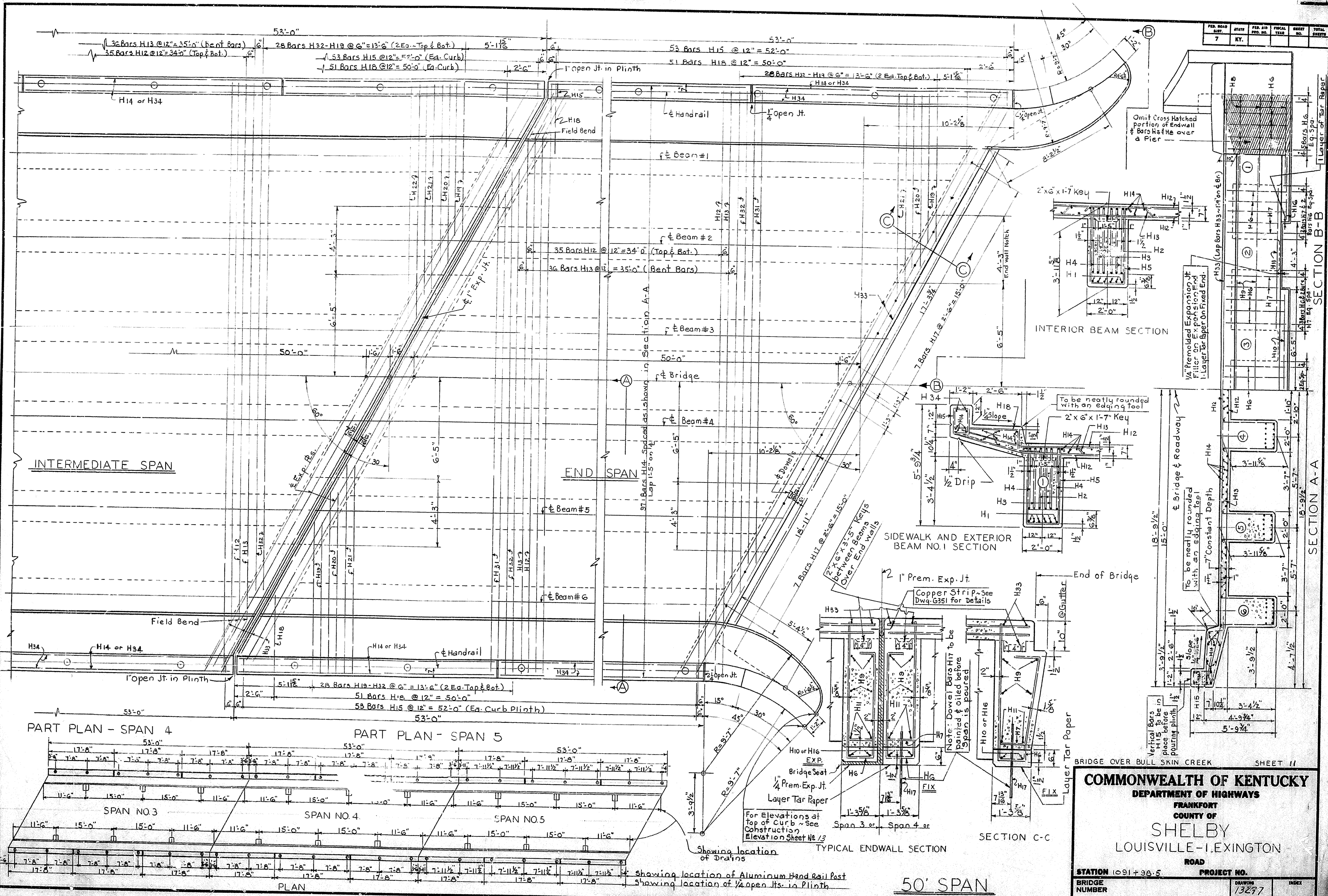
Item	Type	Span	Length	Location	a	b	c	d	e	f
G1	30	30	11	45	3					
G2	4	4	11	33	2					
G3	8	8	11	43	9					
G4	8	8	11	43	2					
G5	114	114	4	7	11					
G6	44	34		9	3					
G7	16	16		8	3					
G8	12			5	2					
G9	8	8		34	3					
G10	4	4		14	5					
G11	8	8		10	9					
G12	50	50	5	37	5					
G13	26	26		38	8					
G14	194	194	4	22	1					
G15	86	86		5	3					
G16	8	8	4	7						
G17	14	14		2	0					
G18	82	82		7	0					
G19	8	8	5	9	8					
G20	8	8		11	5					
G21	8	8		13	1					
G22	8	8		14	10					
G23	8	8		16	7					
G24	8	8		18	4					
G25	8	8		20	1					
G26	8	8		21	9					
G27	8	8		23	6					
G28	8	8		25	3					
G29	8	8		27	0					
G30	8	8		28	8					
G31	8	8		30	5					
G32	8	8		32	2					
G33	8	8		32	5					
G34	2	2	10	37	1					
G35	4	4		42	4					
G36	4	4		46	10					
G37	82	82		9	8					
G38	2	2	8	11	8					
G39	2	2	8	12	2					
G40	4	4	8	13	0					
G41	1	1	5	11	9					
G42	4	4	5	8	5					
G43	3	3	8	12	2					
G44	4	4	5	9	2					
G45	1	1	5	9	0					
G46	3	3	8	8	8					
G47	32	32	5	5	8					
G48	16	16	5	10	6					
G49	5	5	6	7						
G50	36	36	6	5	4					
G51	8	8	6	7	5					
G52	4	4	6	7	0					
G53	12	12	4	14	1					

BRIDGE OVER BULL SKIN CREEK SHEET 10

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
SHELBY
LOUISVILLE-LEXINGTON
ROAD

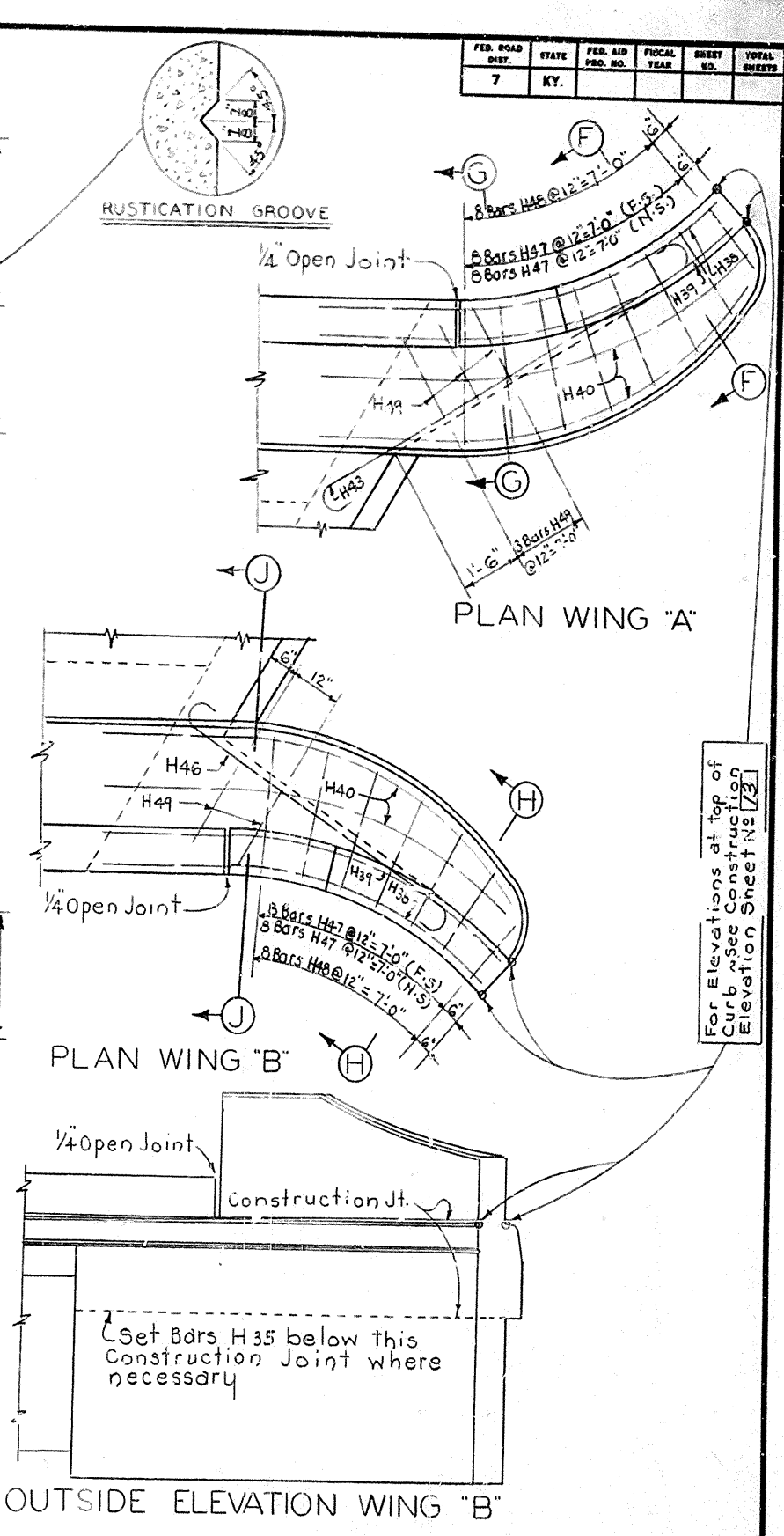
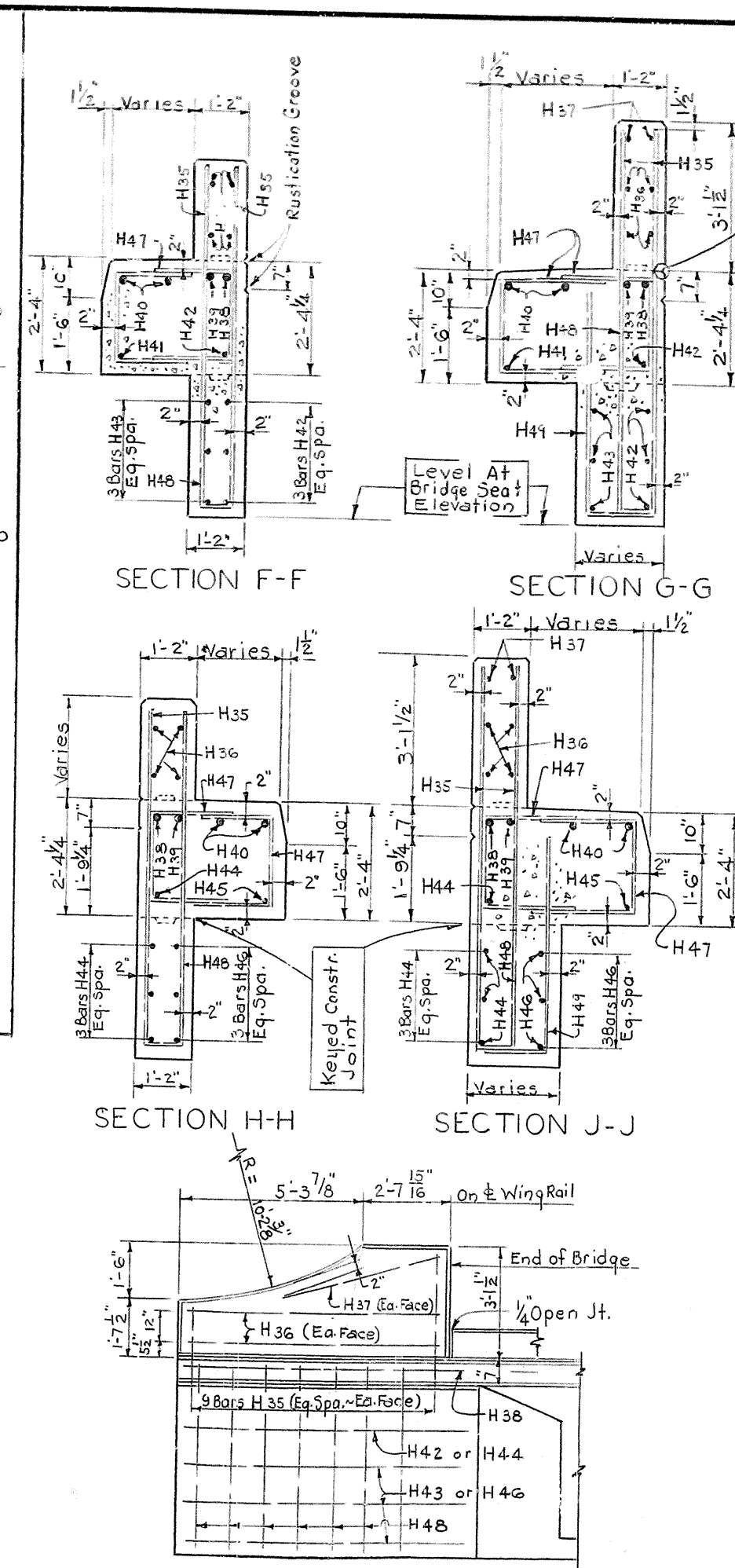
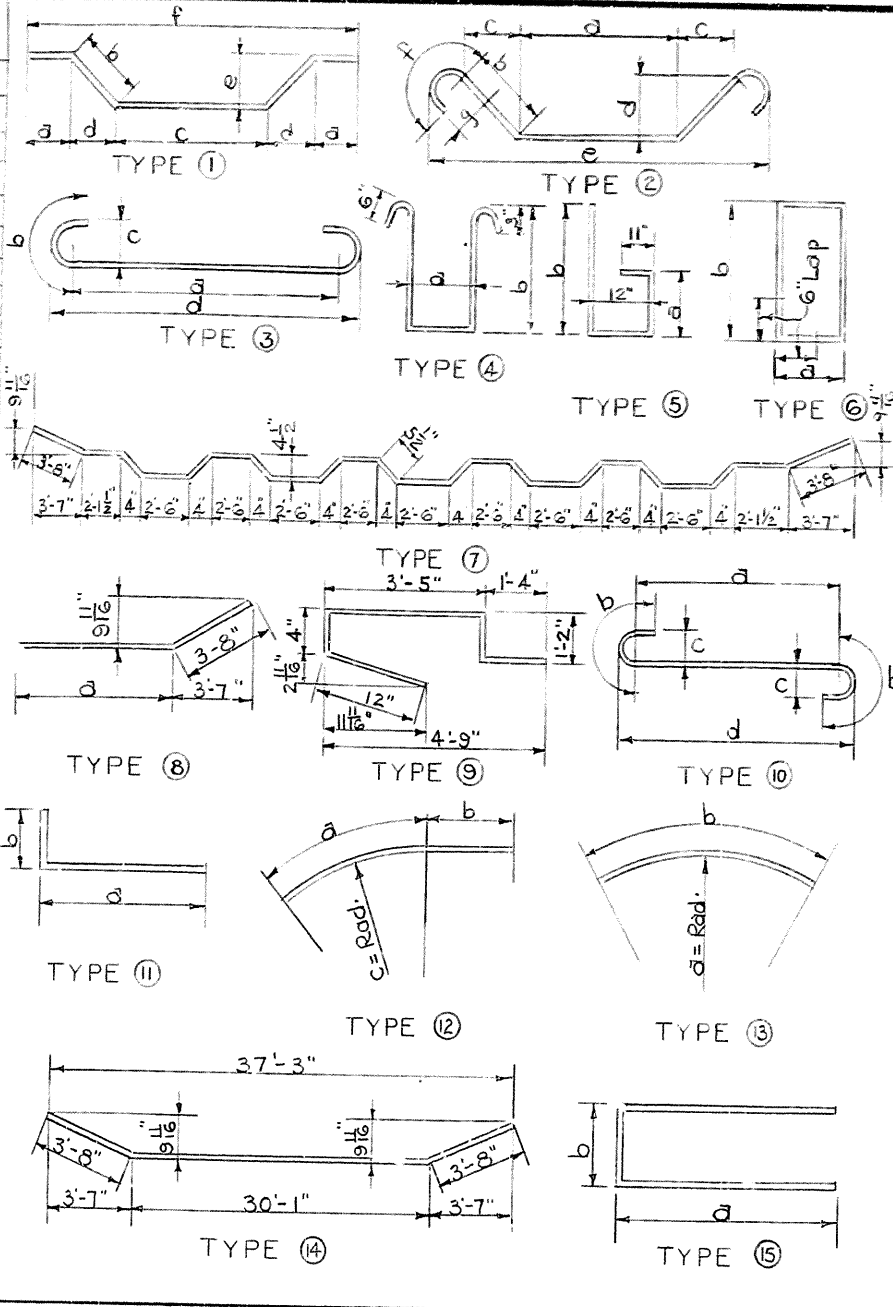
STATION 1091+98.5 PROJECT NO.
BRIDGE NUMBER 13297 INDEX

DESIGNED BY: CHAS. E. RAY CHECKED BY: W. L. HARRIS
 DATE: 12/1/51 DATE: 12/1/51
 TRACED BY: W. L. HARRIS DATE: 12/1/51



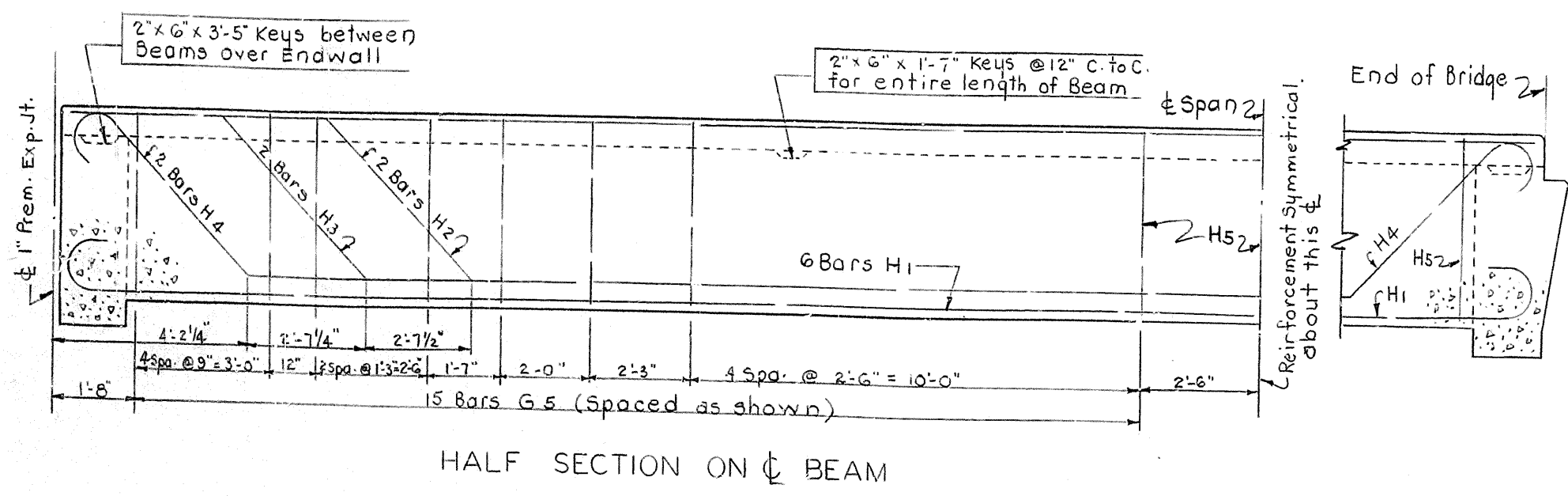
BILL OF REINFORCEMENT

Work	Type	Qty	Size	Length	Location	a	b	c	d	e	f	g
H1	(3)	36	3/8	55.3	Beams	51	3	2	0	1	17 1/2	52 1/4
H2	(1)	12	12	12	"	2	0	4	5	3	1 1/2	3 3/4
H3	"	12	12	12	"	2	0	4	5	3	1 1/2	3 3/4
H4	(2)	12	12	12	"	44	6 1/2	4	12 1/4	2	11 1/2	3 1/2
H5	(4)	186	1/8	106	"	1	9	3	8 1/2	3	1	52
H6	(5)	34	3/4	44	"	3	4 1/2	4	2 1/2	5	2	0
H7	"	16	16	16	"	2	10 1/2	3	8 1/2			
H8	Str	-	-	12	"	5	6					
H9	"	8	8	8	"	3	4					
H10	"	4	4	4	"	1	4					
H11	"	8	8	8	"	10	9					
H12	(4)	70	7/8	70	Slab							
H13	(7)	36	3/8	36	"	38	8					
H14	Str	194	1/4	194	Slab & Curb							
H15	(6)	106	1/8	106	"	5	3					
H16	Str	8	8	8	Endwalls	0	11	1	4			
H17	"	14	14	14	"	2	0					
H18	(9)	102	1/8	102	Dowels							
H19	(6)	8	8	8	Sidewalk							
H20	"	8	8	8	Slab	6	0					
H21	"	8	8	8	"	7	9					
H22	"	8	8	8	"	13	1					
H23	"	8	8	8	"	14	10					
H24	"	8	8	8	"	16	7					
H25	"	8	8	8	"	18	4					
H26	"	8	8	8	"	20	1					
H27	"	8	8	8	"	21	9					
H28	"	8	8	8	"	23	6					
H29	"	8	8	8	"	25	3					
H30	"	8	8	8	"	27	0					
H31	"	8	8	8	"	28	8					
H32	"	8	8	8	"	30	5					
H33	"	8	8	8	"	32	2					
H34	Str	8	8	8	Endwall							
H35	"	12	12	12	Plinth	9	10	7	5			
H36	(1)	-	-	36	Wing Rail	5	4					
H37	"	-	-	8	"	7	5					
H38	"	-	-	4	"	5	0					
H39	(2)	-	-	2	Wings A & B	10	2	5	0			
H40	"	-	-	2	"	8	2	4	0	10	5	
H41	"	-	-	4	"	9	0	4	0	9	3	
H42	"	-	-	4	Wing A	9	0	2	9	9	3	
H43	(10)	-	-	3	"	7	8	0	9	9		
H44	(2)	-	-	4	"	9	2	1	6	0	10	0
H45	(1)	-	-	1	B	7	8	1	6	9	9	
H46	(10)	-	-	3	"	9	9	9	0			
H47	(15)	-	-	32	Wings A & B	5	8	1	6	0	10	6
H48	"	-	-	16	"	4	11	0	10			
H49	(11)	-	-	5	"	4	11	1	9			



ESTIMATE OF QUANTITIES EACH BRIDGE		
SPAN	CONCRETE CLASS "A" CU.YDS.	REINFORCEMENT LBS
END SPAN	154.1	35128
INTERMEDIATE	141.6	33688

DEVELOPED WING AND WING RAIL
WING SHOWN IS WING "A"
WING RAIL SHOWN IS TYPICAL FOR WING "B"



BRIDGE OVER BULL SKIN CREEK SHEET 12

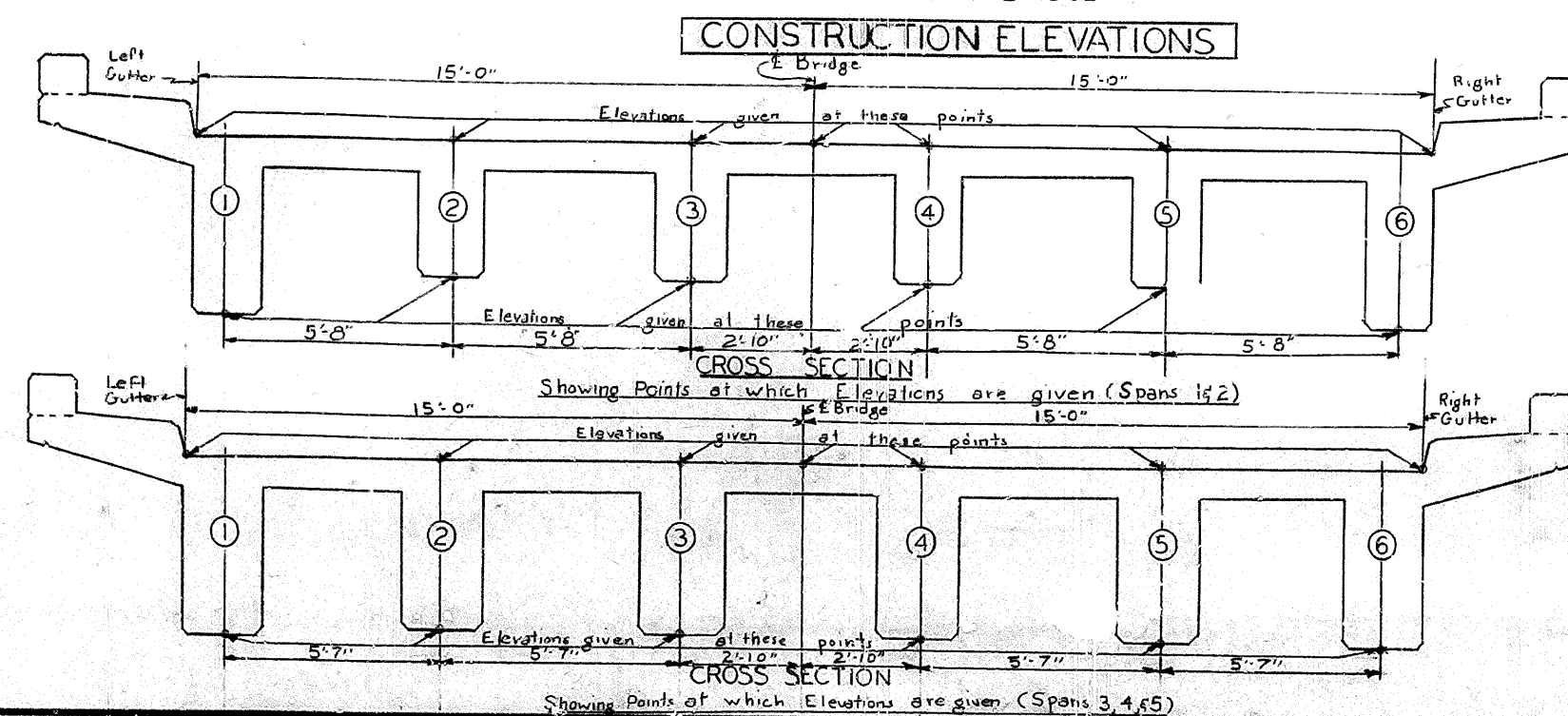
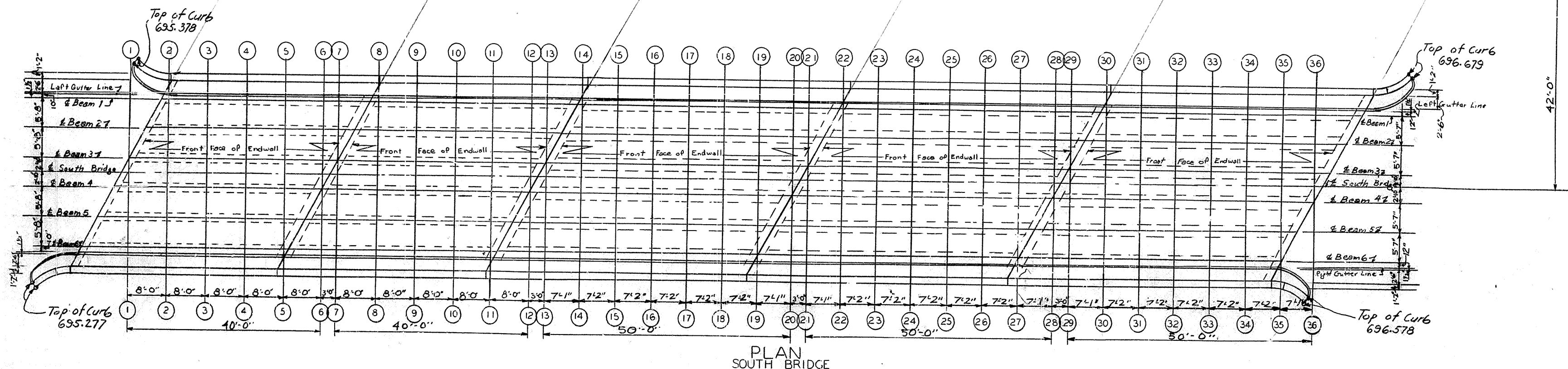
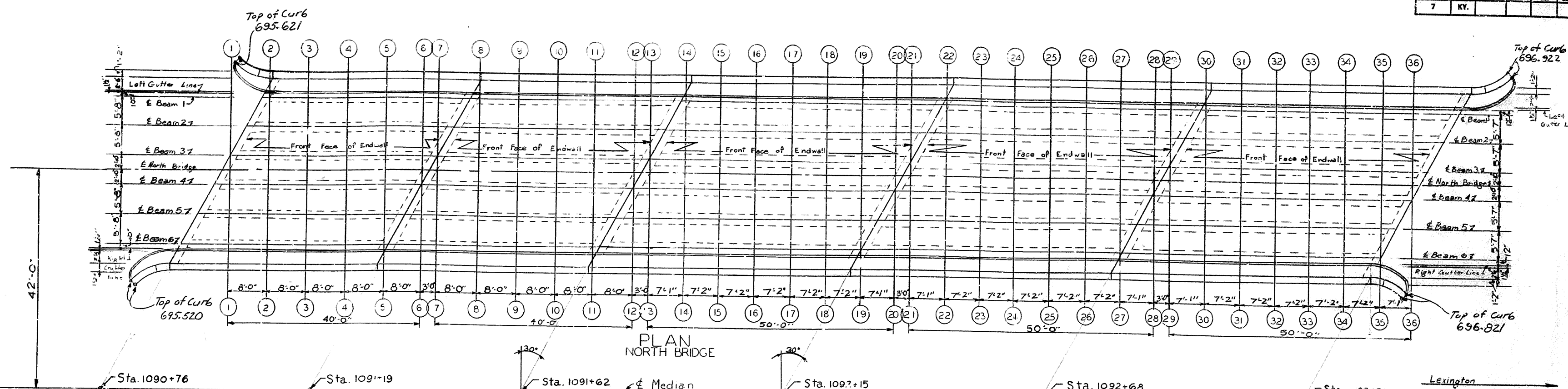
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
SHELBY
LOUISVILLE-LEXINGTON
ROAD

STATION 1091+98.5 PROJECT NO. 13297

BRIDGE NUMBER NO. INDEX

50'-0" SPAN

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



Bridge over Bull Skin Creek SHEET 13

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
SHELBY
 LOUISVILLE-LEXINGTON
 ROAD

STATION 1091+98.5 PROJECT NO.

BRIDGE NUMBER 13297

DESIGNED BY: DATE: 1/2/58
 CHECKED BY: DATE: 1/2/58
 TRACED BY: DATE: 1/2/58

DESIGNED BY: *CH* CHECKED BY: *ERS* DATE: *2/28/88*
 DRAWN BY: *CH* CHECKED BY: *CH* DATE: *2/28/88*
 TRACED BY: *CH* CHECKED BY: *CH* DATE: *2/28/88*

Location	Left Gutter	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Right Gutter
END OF BRIDGE	694.738	694.850	694.953	695.056	695.159	695.262	695.365	695.468
Intersection & Beam Front Face of Endwall	694.738	694.850	694.953	695.056	695.159	695.262	695.365	695.468
Span 1								
Span 2								
Span 3								
Span 4								
Span 5								

Location	Left Gutter	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Right Gutter
END OF BRIDGE	694.555	694.637	694.710	694.783	694.856	694.929	695.002	695.075
Intersection & Beam Front Face of Endwall	694.555	694.637	694.710	694.783	694.856	694.929	695.002	695.075
Span 1								
Span 2								
Span 3								
Span 4								
Span 5								

NOTE: Elevations shown in above tables contain construction camber and must be maintained with falsework in place.

CONSTRUCTION ELEVATIONS

BRIDGE OVER BULLSKIN CREEK SHEET 14

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 SHELBY
 LOUISVILLE - LEXINGTON

ROAD PROJECT NO. 1091+98.5

STATION 1091+98.5

BRIDGE NUMBER 13297

DRAWING INDEX NO.

SOUNDING LAYOUT

