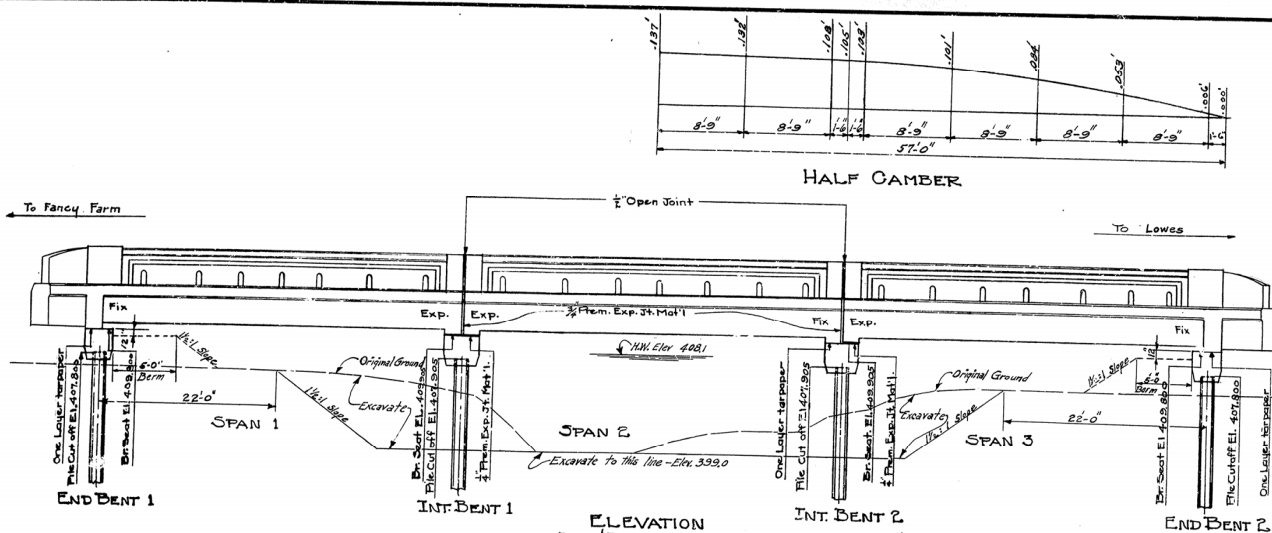
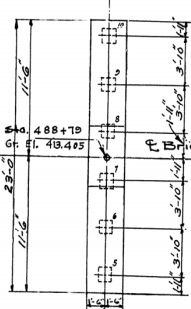
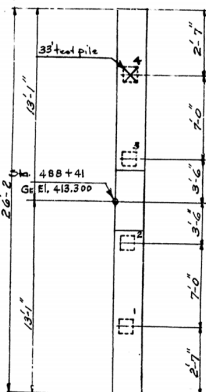
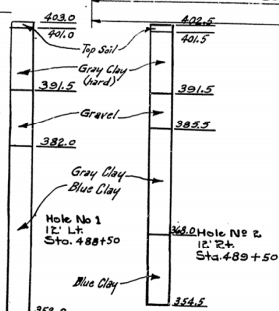
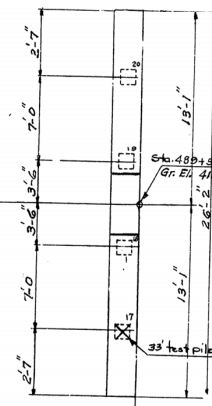
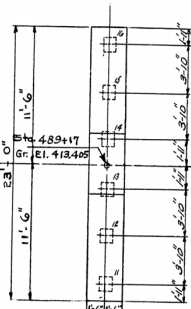




ELEVATION
3-35' ROAD SPANS
22' ROADWAY BRIDGE
20' SHOULDERS AT BRIDGE
1 1/2:1 FILL SLOPES



PLAN
(Deck Removed)



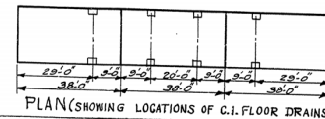
SOUNDINGS

PILE RECORD				
File No	Cut off Elevation as shown on plans	Tip of Pile Elevation as driven	Pile Length in place Lin. Ft.	Calculated Bearing Capacity
1	407.800			
2	407.800			
3	407.800			
4	407.800			
5	407.905			
6	407.905			
7	407.905			
8	407.905			
9	407.905			
10	407.905			

PILE RECORD				
File No	Cut off Elevation as shown on plans	Tip of Pile Elevation as driven	Pile Length in place Lin. Ft.	Calculated Bearing Capacity
11	407.905			
12	407.905			
13	407.905			
14	407.905			
15	407.905			
16	407.905			
17	407.800			
18	407.800			
19	407.800			
20	407.800			

GENERAL NOTE

- Specifications: Ky. Dept of Highway Standards 1345 with Amendments.
 Design Load: H-15 in accordance with A.A.S.H.O. 1349 specifications.
 Concrete: Class 'A' concrete to be used thruout except in handrail and piles.
 Reinforcement: Class 'D' concrete to be used in handrail and piles.
 Dimensions from face of concrete to steel are clear distances unless otherwise shown. Bar spacing is center to center of bar.
 Beveled Edges: All exposed concrete edges to be beveled 1/8" unless otherwise shown.
 C.I. Drains: The cost of these items to be included in the unit bid price for Class 'A' concrete. Quantities shown in the Bill of Incidental Mat'l are approx. only and the contractor is responsible for furnishing enough mat'l to complete the work in accordance with plans & specifications.
 Tar paper: To be commercial grade tar paper or roofing felt approx. 1/16" thick.
 Piling: Piles are to be 14" precast concrete piles. Piles shall be driven to refusal or to sustain a minimum load of 50 tons. Piles shall have a minimum penetration of 20'-0" below stream bed and if necessary jetting shall be used in accordance with the specifications to obtain this penetration. Test piles shall be driven at locations shown on this sheet. Test piles shall be accurately located so as to be used in the finished structure.
 Copper Strip: No copper strip required for this bridge.



BILL OF INCIDENTAL MATERIAL			
Item	No of Pieces	Size & Description	Location
Exp. Jt. Mat'l.	4	3/4" x 2'-11" x 1'-5"	between Curbs
" " "	2	3/4" x 3'-6" x 2'-11"	" spans
" " "	1	1/2" x 3'-0" x 2'-2"	Int. Bent 1
" " "	1	1/4" x 1'-5" x 2'-2"	Int. Bent 2
Tar paper	120 Ft ²	Commercial Grade	Fixed ends over bents
C.I. Drains	8	Std. dwg. G-622A	Spans 1, 2 & 3

REFERENCES & ESTIMATE OF QUANTITIES							
Item	Dwg. No.	Concrete	Reinforcement	Finished Lin. Ft.	Driving Lin. Ft.	Change Structure	Remove Structure
Layout	Sh. 1						
End Bent 1	Sh. 1	5.9	68.9	124	116		
Int. Bent 1	Sh. 1	6.4	624	186	174		
Int. Bent 2	Sh. 2	6.4	624	186	174		
End Bent 2	Sh. 2	5.9	68.9	124	116		
Span 1	G-622A	50.2	10438				
Span 2	G-622A	49.1	10435				
Span 3	G-622A	50.2	10438				
Handrail	3&H53	7.4	12.2	3970			
Soundings	Sh. 1						
Totals		181.5	16.2	37927	620	580	

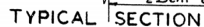
*Use as detail structure and remove after new bridge is opened to traffic.

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, length of pile in place and calculate the bearing capacity of each pile and return one blue print copy of this sheet with this data to the Bridge Engineer to be recorded on original plans. Lengths of piles in place shown hereon are the actual lengths of the piles in the finished structure below cutoff elevation and is not necessarily the pay item.

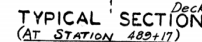
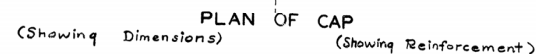
Bridge Over Goose Creek sheet 1 of 3

COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS FRANKFORT COUNTY OF GRAVES FANCY FARM-LOWES ROAD			
STATION 488+38	PROJECT NO.	DRAWING	DATE
BRIDGE NUMBER	AUG 13 1963	NO. 10976	



ESTIMATE OF QUANTITIES
FOR ONE END BENT
 CONCRETE (Class "A") 5.9 Cu.YDS.
 REINFORCEMENT 689. LBS.

DETAILS OF END BENT CAPS

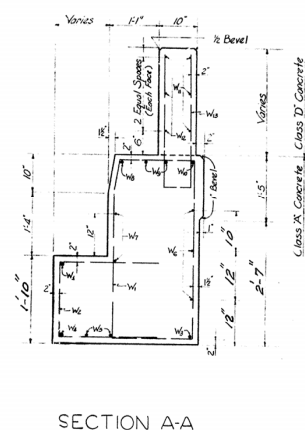
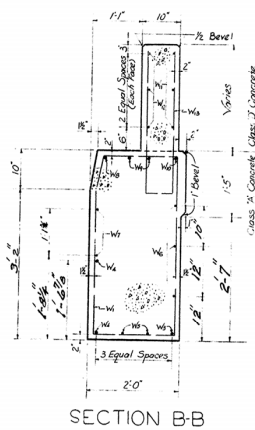
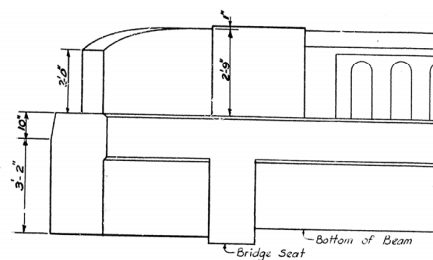
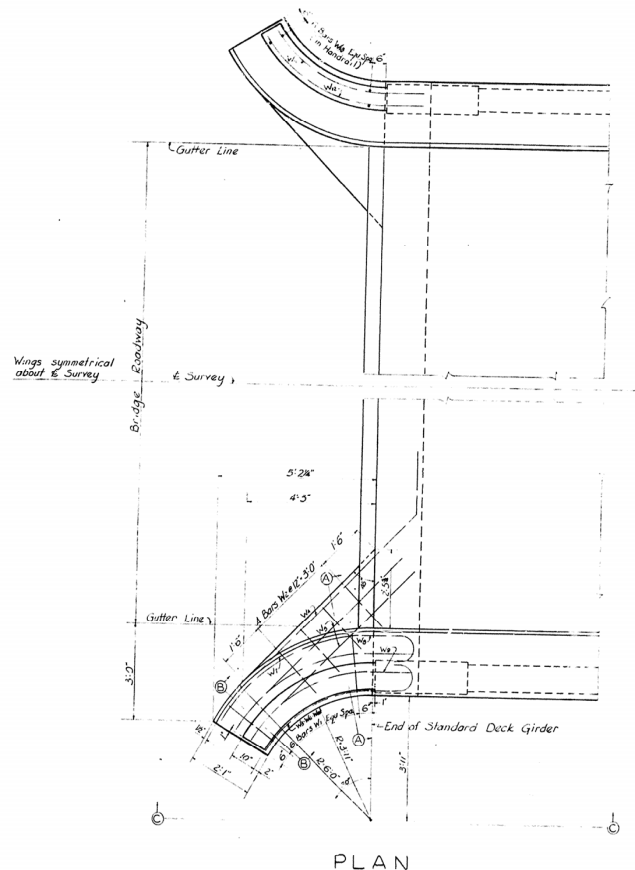


DETAILS OF INTERMEDIATE BENT CAPS

Bridge over Goose Creek Sheet 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
GRAVES
FANCY FARM-LOWES
ROAD

STATION 488+98		PROJECT NO.	
BRIDGE NUMBER		DRAWING NO. 10976	INDEX



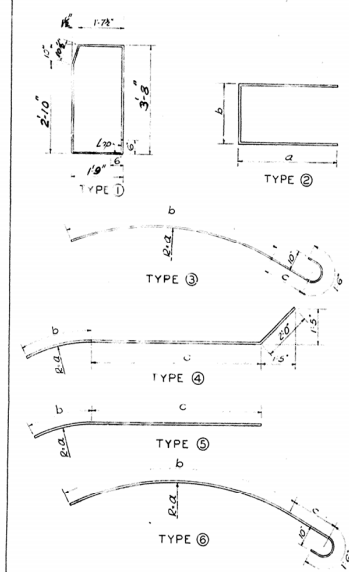
ADDITIONAL
ESTIMATE OF QUANTITIES
FOR STD. DECK GIRDER
FOR STD. HANDRAIL

CONCRETE, CLASS "A" 37 CU YDS
CONCRETE, CLASS "D" .7 CU YDS
REINFORCEMENT 750 LBS

NOTE: QUANTITIES SHOWN ARE FOR ONE END SPAN

DETAILS OF WING WALLS
TO BE USED WITH STD. DECK GIRDER
AND STD. HANDRAIL

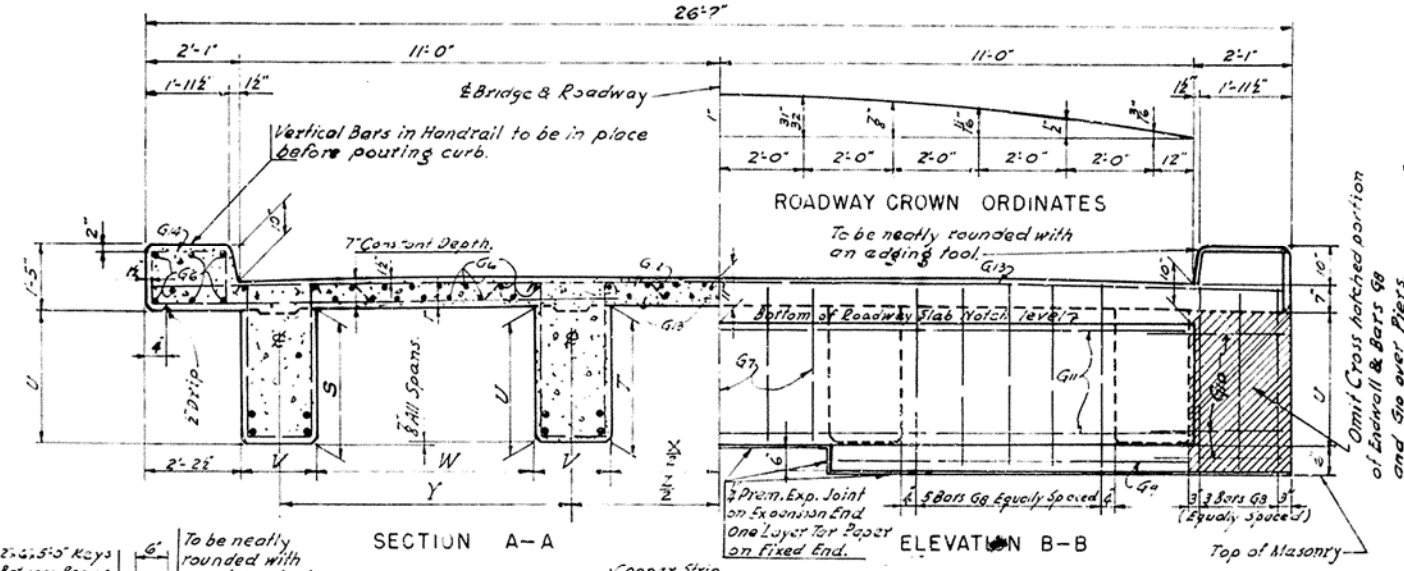
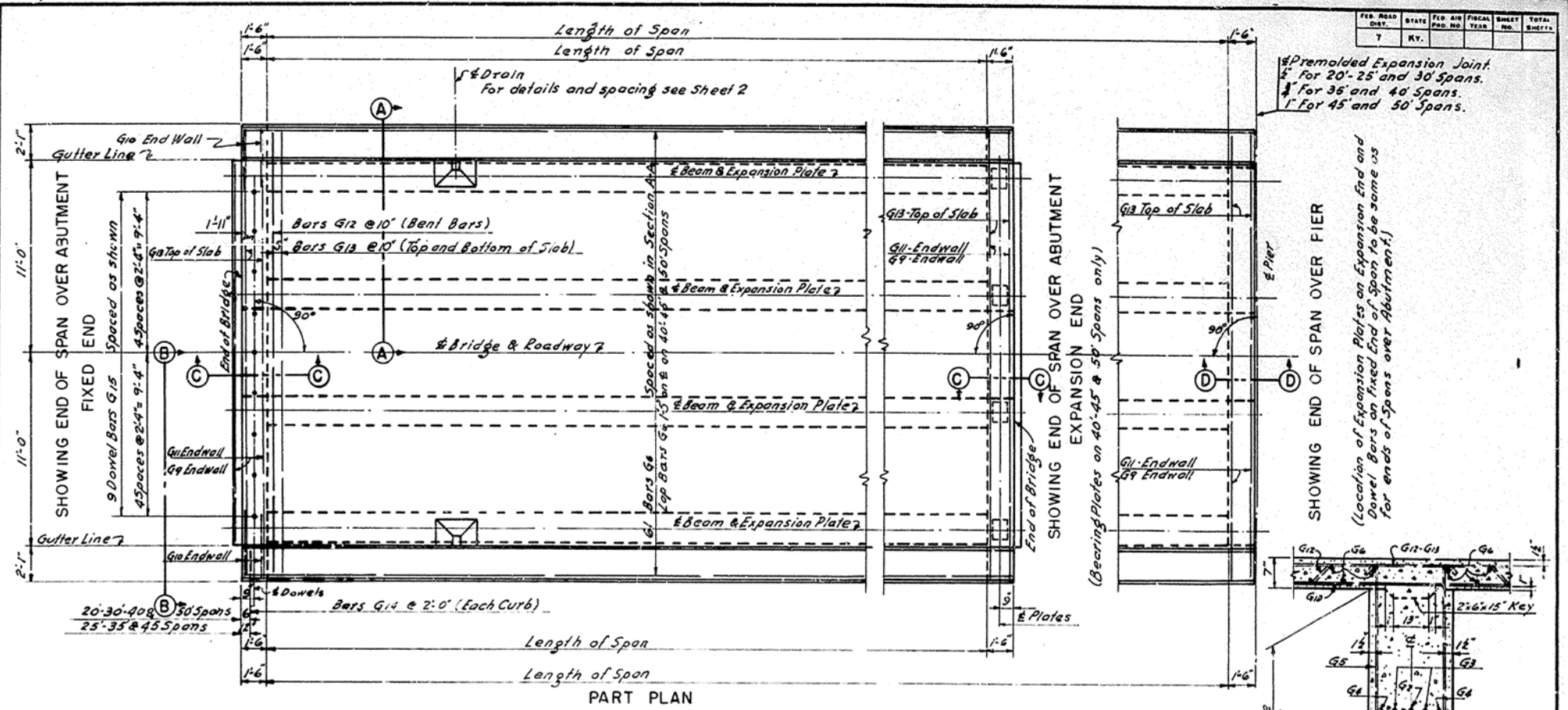
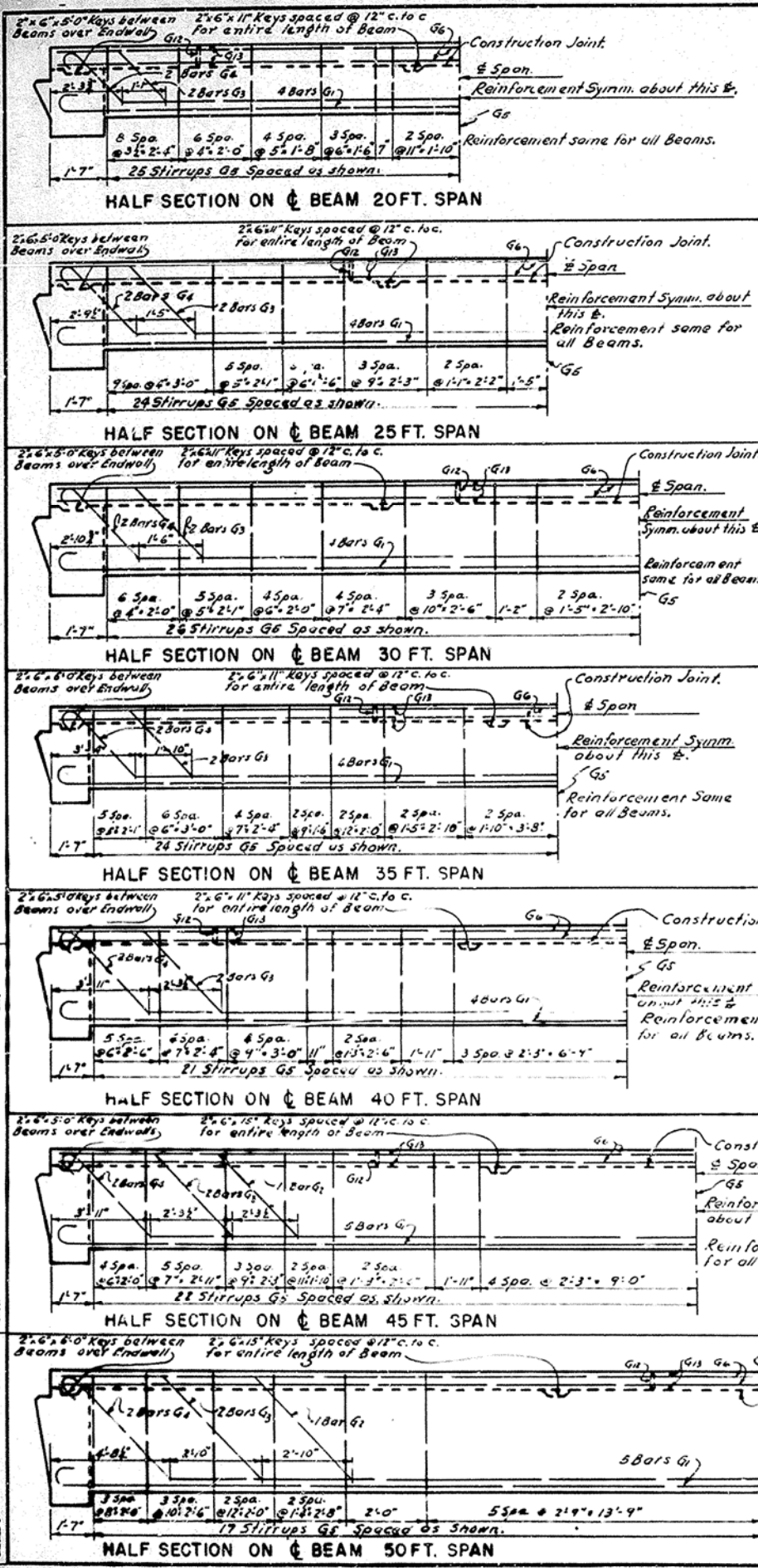
BILL OF REINFORCEMENT									
No.	Length	Location	A		B		C		Total
			FT.	IN.	FT.	IN.	FT.	IN.	
W.1	12 1/2	Wing Walls	2	0	1	6	-	-	-
W.2	8	Wing Handrails	2	0	1	6	-	-	-
W.3	2 1/4	Bottom of Wing Walls	4	2 1/2	4	3	0	11	-
W.4	4	"	5	0 1/2	1	4	7	0	-
W.5	4	"	5	10	1	2	6	0	-
W.6	6 1/2	Outside of Wall	5	9 1/2	3	11	1	4	-
W.7	4	Inside of Wall	5	7 1/2	3	9	0	11	-
W.8	4	Top of Curb	5	7 1/2	3	9	0	11	-
W.9	4	"	5	7 1/2	3	9	0	11	-
W.10	4	"	5	7 1/2	3	9	0	11	-
W.11	4	"	5	7 1/2	3	9	0	11	-
W.12	4	"	5	7 1/2	3	9	0	11	-
W.13	4	"	5	7 1/2	3	9	0	11	-
W.14	4	"	5	7 1/2	3	9	0	11	-
W.15	4	"	5	7 1/2	3	9	0	11	-
W.16	4	"	5	7 1/2	3	9	0	11	-
W.17	4	"	5	7 1/2	3	9	0	11	-
W.18	4	"	5	7 1/2	3	9	0	11	-
W.19	4	"	5	7 1/2	3	9	0	11	-
W.20	4	"	5	7 1/2	3	9	0	11	-
W.21	4	"	5	7 1/2	3	9	0	11	-
W.22	4	"	5	7 1/2	3	9	0	11	-
W.23	4	"	5	7 1/2	3	9	0	11	-
W.24	4	"	5	7 1/2	3	9	0	11	-
W.25	4	"	5	7 1/2	3	9	0	11	-
W.26	4	"	5	7 1/2	3	9	0	11	-
W.27	4	"	5	7 1/2	3	9	0	11	-
W.28	4	"	5	7 1/2	3	9	0	11	-
W.29	4	"	5	7 1/2	3	9	0	11	-
W.30	4	"	5	7 1/2	3	9	0	11	-
W.31	4	"	5	7 1/2	3	9	0	11	-
W.32	4	"	5	7 1/2	3	9	0	11	-
W.33	4	"	5	7 1/2	3	9	0	11	-
W.34	4	"	5	7 1/2	3	9	0	11	-
W.35	4	"	5	7 1/2	3	9	0	11	-
W.36	4	"	5	7 1/2	3	9	0	11	-
W.37	4	"	5	7 1/2	3	9	0	11	-
W.38	4	"	5	7 1/2	3	9	0	11	-
W.39	4	"	5	7 1/2	3	9	0	11	-
W.40	4	"	5	7 1/2	3	9	0	11	-
W.41	4	"	5	7 1/2	3	9	0	11	-
W.42	4	"	5	7 1/2	3	9	0	11	-
W.43	4	"	5	7 1/2	3	9	0	11	-
W.44	4	"	5	7 1/2	3	9	0	11	-
W.45	4	"	5	7 1/2	3	9	0	11	-
W.46	4	"	5	7 1/2	3	9	0	11	-
W.47	4	"	5	7 1/2	3	9	0	11	-
W.48	4	"	5	7 1/2	3	9	0	11	-
W.49	4	"	5	7 1/2	3	9	0	11	-
W.50	4	"	5	7 1/2	3	9	0	11	-
W.51	4	"	5	7 1/2	3	9	0	11	-
W.52	4	"	5	7 1/2	3	9	0	11	-
W.53	4	"	5	7 1/2	3	9	0	11	-
W.54	4	"	5	7 1/2	3	9	0	11	-
W.55	4	"	5	7 1/2	3	9	0	11	-
W.56	4	"	5	7 1/2	3	9	0	11	-
W.57	4	"	5	7 1/2	3	9	0	11	-
W.58	4	"	5	7 1/2	3	9	0	11	-
W.59	4	"	5	7 1/2	3	9	0	11	-
W.60	4	"	5	7 1/2	3	9	0	11	-
W.61	4	"	5	7 1/2	3	9	0	11	-
W.62	4	"	5	7 1/2	3	9	0	11	-
W.63	4	"	5	7 1/2	3	9	0	11	-
W.64	4	"	5	7 1/2	3	9	0	11	-
W.65	4	"	5	7 1/2	3	9	0	11	-
W.66	4	"	5	7 1/2	3	9	0	11	-
W.67	4	"	5	7 1/2	3	9	0	11	-
W.68	4	"	5	7 1/2	3	9	0	11	-
W.69	4	"	5	7 1/2	3	9	0	11	-
W.70	4	"	5	7 1/2	3	9	0	11	-
W.71	4	"	5	7 1/2	3	9	0	11	-
W.72	4	"	5	7 1/2	3	9	0	11	-
W.73	4	"	5	7 1/2	3	9	0	11	-
W.74	4	"	5	7 1/2	3	9	0	11	-
W.75	4	"	5	7 1/2	3	9	0	11	-
W.76	4	"	5	7 1/2	3	9	0	11	-
W.77	4	"	5	7 1/2	3	9	0	11	-
W.78	4	"	5	7 1/2	3	9	0	11	-
W.79	4	"	5	7 1/2	3	9	0	11	-
W.80	4	"	5	7 1/2	3	9	0	11	-
W.81	4	"	5	7 1/2	3	9	0	11	-
W.82	4	"	5	7 1/2	3	9	0	11	-
W.83	4	"	5	7 1/2	3	9	0	11	-
W.84	4	"	5	7 1/2	3	9	0	11	-
W.85	4	"	5	7 1/2	3	9	0	11	-
W.86	4	"	5	7 1/2	3	9	0	11	-
W.87	4	"	5	7 1/2	3	9	0	11	-
W.88	4	"	5	7 1/2	3	9	0	11	-
W.89	4	"	5	7 1/2	3	9	0	11	-
W.90	4	"	5	7 1/2	3	9	0	11	-
W.91	4	"	5	7 1/2	3	9	0	11	-
W.92	4	"	5	7 1/2	3	9	0	11	-
W.93	4	"	5	7 1/2	3	9	0	11	-
W.94	4	"	5	7 1/2	3	9	0	11	-
W.95	4	"	5	7 1/2	3	9	0	11	-
W.96	4	"	5	7 1/2	3	9	0	11	-
W.97	4	"	5	7 1/2	3	9	0	11	-
W.98	4	"	5	7 1/2	3	9	0	11	-
W.99	4	"	5	7 1/2	3	9	0	11	-
W.100	4	"	5	7 1/2	3	9	0	11	-



Bridge over Goose Creek Sheet 3

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
GRAVES
FANCY FARM-LOWES
ROAD

STATION 488+98 PROJECT NO.
BRIDGE NUMBER DRAWING INDEX
NO. 0976



TYPICAL BEAM SECTION FOR 45 FT. AND 50 FT. SPANS

TYPICAL BEAM SECTION FOR 20 FT. TO 40 FT. SPANS (INCLUSIVE)

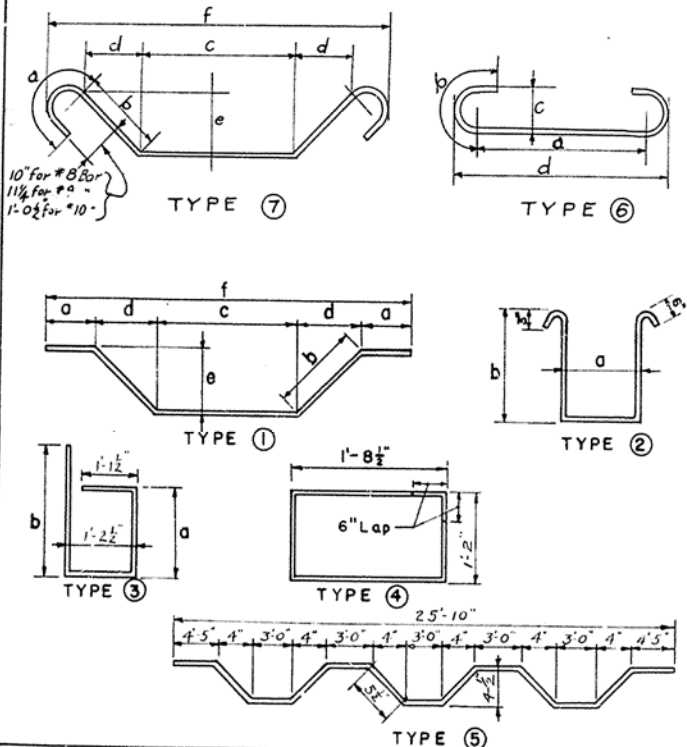
TABLE OF DIMENSIONS

SPAN	20 FT.	25 FT.	30 FT.	35 FT.	40 FT.	45 FT.	50 FT.
S	1 3/4	1 9/16	1 11/16	2 4/16	2 11/16	2 11/16	3 8/16
T	1 3/4	1 9/16	1 11/16	2 4/16	2 11/16	2 11/16	3 8/16
U	1 3/4	1 9/16	1 11/16	2 4/16	2 11/16	2 11/16	3 8/16
V	1 4/16	1 4/16	1 4/16	1 4/16	1 4/16	1 4/16	1 8/16
W	5 5/16	5 5/16	5 5/16	5 5/16	5 5/16	5 5/16	5 0/16
X	5 5/16	5 5/16	5 5/16	5 5/16	5 5/16	5 5/16	5 0/16
Y	6 10/16	6 10/16	6 10/16	6 10/16	6 10/16	6 8/16	6 8/16
Z	6 9/16	6 9/16	6 9/16	6 9/16	6 9/16	6 8/16	6 8/16

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
STANDARD CONCRETE BRIDGE
DECK GIRDERS.
STRAIGHT 22 FT. ROADWAY
SPANS 20' TO 50'

BILL AND TYPES OF REINFORCEMENT (FOR ONE SPAN)

SPAN	MARK	TYPE	NUMBER	END SPAN	LENGTH	LOCATION	d	b	c	d	e	f
			SINGLE	INTER.	FT. IN.		FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.
20 FT.	G1	①	16	16	16	*10	25	1				
	G2	②			NONE							
	G3	③	8	8	8	*8	23	4				
	G4	④	8	8	8	*24	1					
	G5	⑤	196	196	196	*4	5	2				
	G6	Str	61	61	61		22	8	Slab			
	G7	⑥	10	10	10		4	6	Endwall			
	G8	⑦	32	20	26		5	6				
	G9	Str	8	8	8		7	11				
	G10	⑧	24		12		3	1				
25 FT.	G1	①	16	16	16	*10	30	1	Beams			
	G2	②			NONE							
	G3	③	8	8	8	*8	27	11				
	G4	④	8	8	8	*29	5					
	G5	⑤	188	188	188	*4	6	1				
	G6	Str	61	61	61		27	8	Slab			
	G7	⑥	10	10	10		5	8	Endwall			
	G8	⑦	32	20	26		6	5				
	G9	Str	8	8	8		7	11				
	G10	⑧	24		12		3	1				
30 FT.	G1	①	16	16	16	*11	35	4	Beams			
	G2	②			NONE							
	G3	③	8	8	8	*8	33	0				
	G4	④	8	8	8	*34	7					
	G5	⑤	204	204	204	*4	6	4				
	G6	Str	61	61	61		32	8	Slab			
	G7	⑥	10	10	10		5	8	Endwall			
	G8	⑦	32	20	26		6	8				
	G9	Str	8	8	8		7	11				
	G10	⑧	24		12		3	1				
35 FT.	G1	①	16	16	16	*11	40	4	Beams			
	G2	②			NONE							
	G3	③	8	8	8	*9	37	8				
	G4	④	8	8	8	*40	3					
	G5	⑤	188	188	188	*4	7	3				
	G6	Str	61	61	61		37	8	Slab			
	G7	⑥	10	10	10		6	7	Endwall			
	G8	⑦	32	20	26		7	7				
	G9	Str	8	8	8		7	11				
	G10	⑧	24		12		3	1				
40 FT.	G1	①	16	16	16	*11	45	4	Beams			
	G2	②			NONE							
	G3	③	8	8	8	*9	42	3				
	G4	④	8	8	8	*45	9					
	G5	⑤	164	164	164	*4	8	5				
	G6	Str	122	122	122		22	1	Slab			
	G7	⑥	10	10	10		7	9	Endwall			
	G8	⑦	32	20	26		8	9				
	G9	Str	8	8	8		7	11				
	G10	⑧	40		20		3	1				
45 FT.	G1	①	20	20	20	*11	50	4	Beams			
	G2	②	4	4	4	*10	42	7				
	G3	③	8	8	8		47	2				
	G4	④	8	8	8		51	0				
	G5	⑤	172	172	172	*4	8	9				
	G6	Str	122	122	122		24	7	Slab			
	G7	⑥	10	10	10		7	9	Endwall			
	G8	⑦	32	20	26		8	9				
	G9	Str	8	8	8		8	2				
	G10	⑧	40		20		3	1				
50 FT.	G1	①	20	20	20	*11	55	4	Beams			
	G2	②	4	4	4	*10	46	0				
	G3	③	8	8	8		51	8				
	G4	④	8	8	8		56	7				
	G5	⑤	132	132	132	*4	10	3				
	G6	Str	122	122	122		27	1	Slab			
	G7	⑥	10	10	10		9	3	Endwall			
	G8	⑦	32	20	26		10	3				
	G9	Str	8	8	8		8	2				
	G10	⑧	40		20		3	1				



SPECIFICATIONS—: Kentucky Department of Highways Current Specifications with Amendments.
DESIGN LOAD—: Designed for H15-44 loading as specified in A.A.S.H.O 1953.
DESIGN STRESSES—: $f_c = 18000 \text{ psi}$; $f_s = 10000 \text{ psi}$; $n = 10$; $v = 180 \text{ psi}$.
CONCRETE—: Class "A" to be used thruout.
REINFORCEMENT—: Dimensions from face of concrete to bars are clear distances except as otherwise shown. Dimensions for bars spacing are distance center to center of bars. The deformations of all reinforcing steel bars shall conform to A.S.T.M.-A-305 current specifications.
FLOOR DRAINS—: The cost of these items to be included in the unit price bid for Class "A" concrete.
EXPANSION JOINT MATERIAL, COPPER STRIP AND TAR PAPER—: Floor drains may be either Cast Iron or Aluminum.
TAR PAPER—: To be commercial grade tar paper or roofing felt approximately $\frac{1}{8}$ thick.
BEVELED EDGES—: All exposed edges to be beveled $\frac{1}{8}$ unless otherwise noted.
FOUNDRY NOTE—: Cast Iron drains to be gray iron castings A.S.T.M. A-48 current specifications except that tensile and transverse tests are not required. Form T-521 Report of Field Inspection of Castings is to be submitted to the laboratory.
EXPANSION PLATES—: Aluminum Alloy drains shall conform to A.S.T.M. B-26 Class CS-22 current specifications. Aluminum Drains shall be given a corrosive resistant coating to prevent corrosion of concrete. All plates to be A.S.T.M.-B-22 Class "C" or B-100 Type A or B 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.

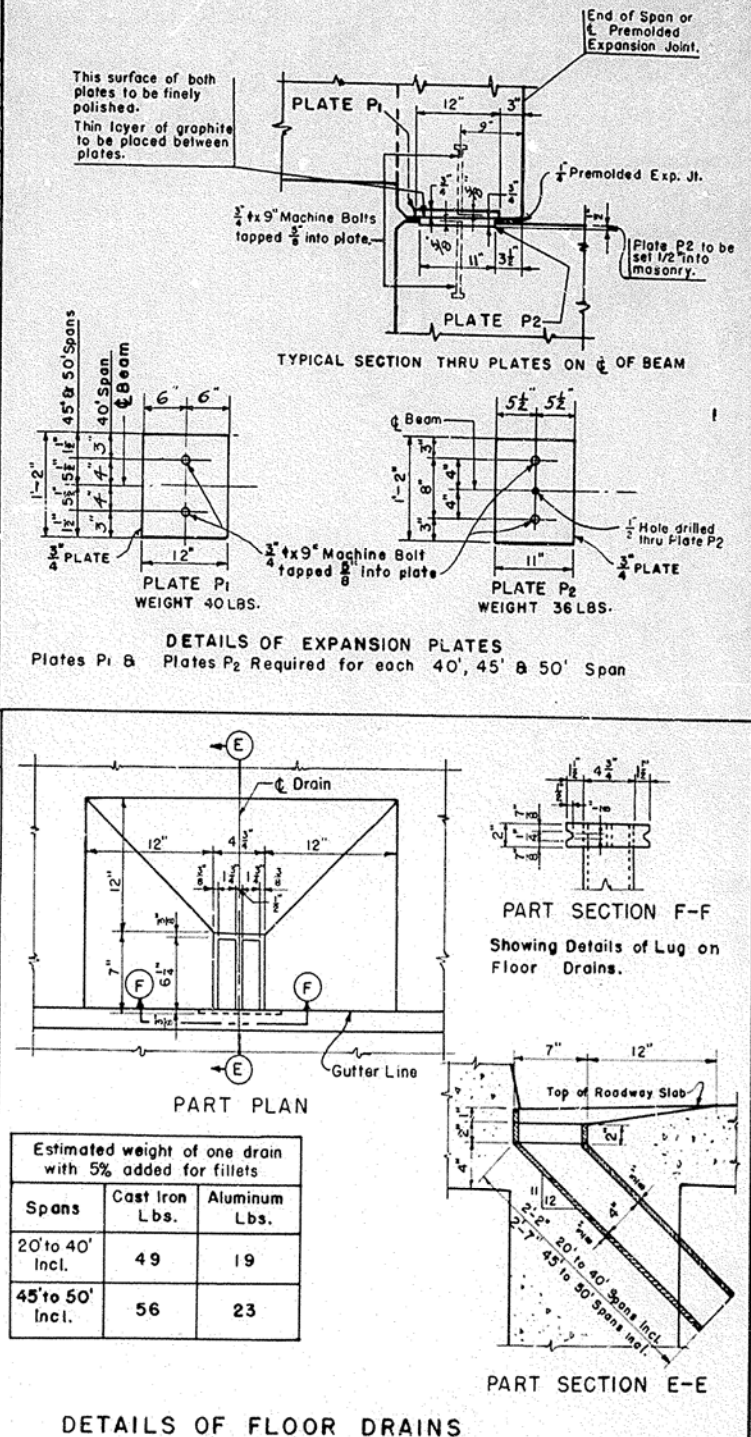
ESTIMATE OF QUANTITIES

Span	Class "A" Concrete Cu. Yds.	Reinforcement Lbs.	Class "B" Bronze Lbs.
20 FT.			
Single	26.5	6099	
Intermediate	25.2	6005	
End	25.8	6052	
25 FT.			
Single	35.0	7303	
Intermediate	33.3	7202	
End	34.1	7252	
30 FT.			
Single	41.3	9104	
Intermediate	39.5	9001	
End	40.4	9052	
35 FT.			
Single	51.3	10886	
Intermediate	49.1	10760	
End	50.2	10823	
40 FT.			
Single	63.6	12308	304
Intermediate	60.8	12155	304
End	62.2	12232	304
45 FT.			
Single	76.5	16141	304
Intermediate	73.7	15988	304
End	75.1	16064	304
50 FT.			
Single	95.3	17397	304
Intermediate	93.6	17480	304

TABLE SHOWING NUMBER & SPACING OF DRAINS

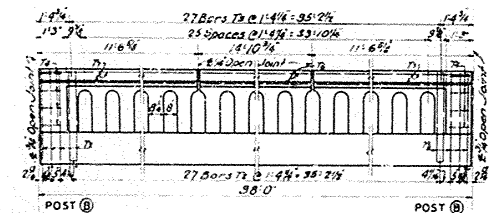
Span	Number of Drains Per Span	Spacing of Drains (Each Gutter)
20	2	11'-6"
25	2	14'-0"
30	4	8'-6" 16'-0" 8'-6"
35	4	9'-0" 20'-0" 9'-0"
40	6	9'-0" 12'-6" 12'-6" 9'-0"
45	6	9'-0" 15'-0" 15'-0" 9'-0"
50	6	11'-6" 15'-0" 15'-0" 11'-6"

Center Line of Pier or End of Span

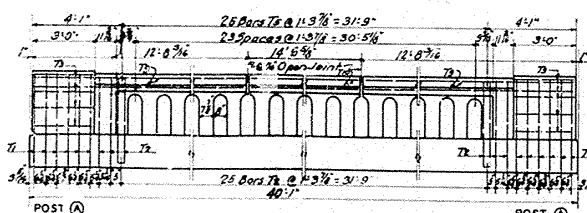


Estimated weight of one drain with 5% added for fillets

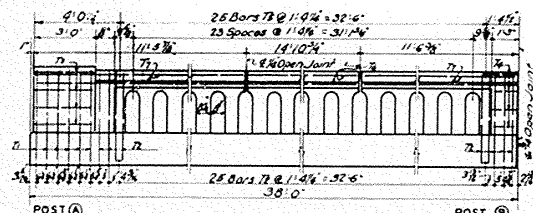
Spans	Cast Iron Lbs.	Aluminum Lbs.
20' to 40' Incl.	49	19
45' to 50' Incl.	56	23



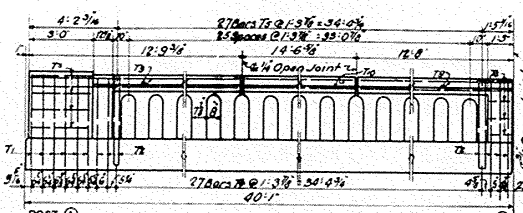
INTERMEDIATE SPAN



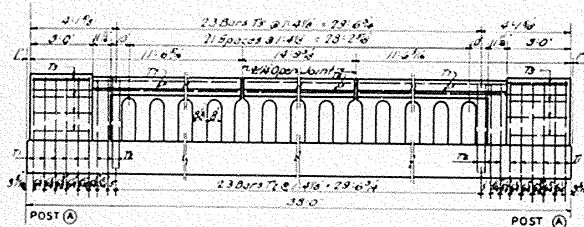
SINGLE SPAN 45° SKEW



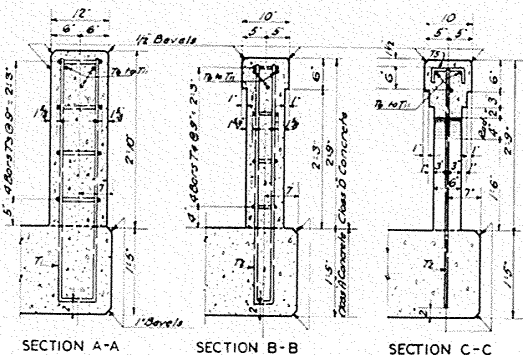
END SPAN - STRAIGHT, OR SHORT RAIL 30° OR 45° SKEW



END SPAN - LONG RAIL 45° SKEW



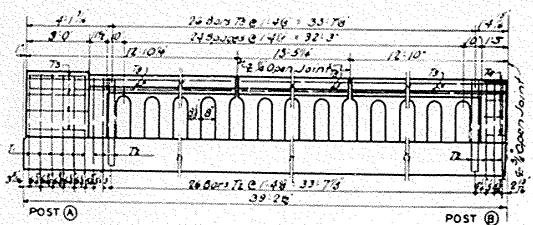
SINGLE SPAN - STRAIGHT



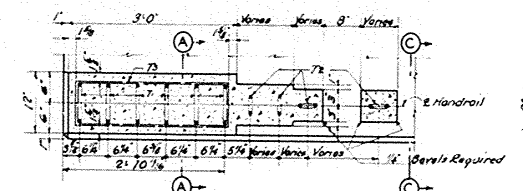
SECTION A-A

SECTION B-B

SECTION C-C



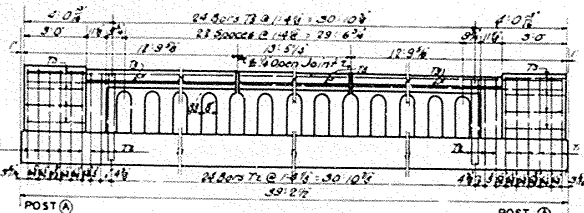
END SPAN - LONG RAIL - 30° SKEW



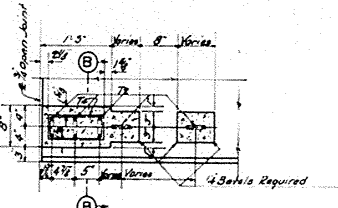
SECTIONAL PLAN - POST A

GENERAL NOTE

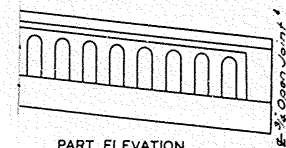
Specifications: Kentucky Department of Highways, 1945 Standard, with Amendments.
 CONCRETE: Class D concrete to be used in Handrail.
 REINFORCEMENT: Dimensions from face of concrete to bars are clear distances except as otherwise shown. Dimensions for bar spacing are distances center to center of bars. The deformations of all reinforcing steel bars shall conform to A.S.T.M. Designation: A 305 - current specifications.
 BEVELS: Edges: All exposed edges to be beveled 1/4" unless, otherwise noted.



SINGLE SPAN 30° SKEW



SECTIONAL PLAN - POST B

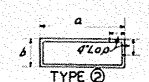
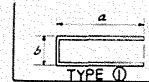


PART ELEVATION

When bridge is on a plus or minus grade top of all posts and rail to be parallel to the grade line. All posts and spindles to be vertical.

TABLE OF REINFORCEMENT AND ESTIMATE OF QUANTITIES													
35 FOOT SPAN		T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12
		NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
STRAIGHT	SINGLE	24	54	16	-	46	6	12	-	-	-	-	-
	TWO RAILS	-	66	-	16	54	6	12	-	-	-	-	-
	END	12	60	8	8	50	6	12	-	-	-	-	-
30° SKEW	SINGLE	24	56	16	-	48	-	-	6	12	-	-	-
	INTERMEDIATE	-	66	-	16	54	6	12	-	-	-	-	-
	END	6	31	4	4	26	-	-	3	6	-	-	-
45° SKEW	SINGLE	24	58	16	-	50	-	-	12	6	-	-	-
	INTERMEDIATE	-	66	-	16	54	6	12	-	-	-	-	-
	END	6	32	4	4	27	-	-	-	6	3	-	-
		END	6	30	4	4	25	3	6	-	-	-	-
		CONCRETE CLASS D											4.1
		REINFORCEMENT											880
		END											750
		END											810
		END											900
		END											750
		END											820
		END											920
		END											750
		END											830

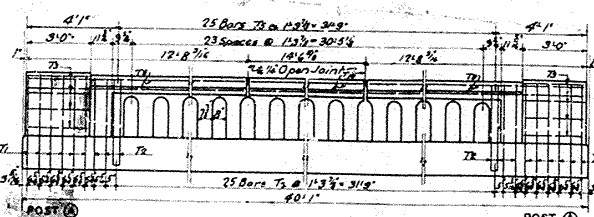
BILL AND TYPES OF REINFORCEMENT									
BAR TYPE	NO.	SIZE	LENGTH	LOCATION	TYPE	IN	PT	IN	IN
T1 (1)	4	8	5	Post A	3	11 1/2	0	8	
T2	-	7	11	Post B & Spindles	3	10 1/2	0	4	
T3 (2)	3	7	5	Post A	2	8	0	8	
T4	-	3	2	Post B	0	11 1/2	0	4	
T5 (1)	12	0	11	Rail	0	3	0	7	
T6 5/8"	-	14	7	-	-	-	-	-	
T7	-	11	3	-	-	-	-	-	
T8	-	13	2	-	-	-	-	-	
T9	-	12	5	-	-	-	-	-	
T10	-	14	4	-	-	-	-	-	



COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 STANDARD HANDRAIL
 DECK GIRDER 35 FT. SPAN
 22 FT. - 24 FT. AND 26 FT. ROADWAY

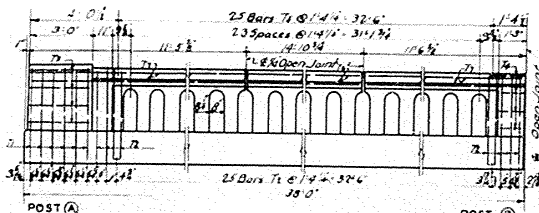
DATE: 11-53

BRIDGE

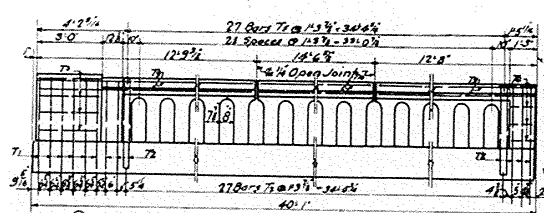


INTERMEDIATE SPAN

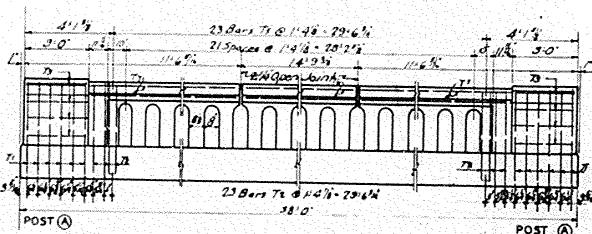
SINGLE SPAN / 45° SKEW



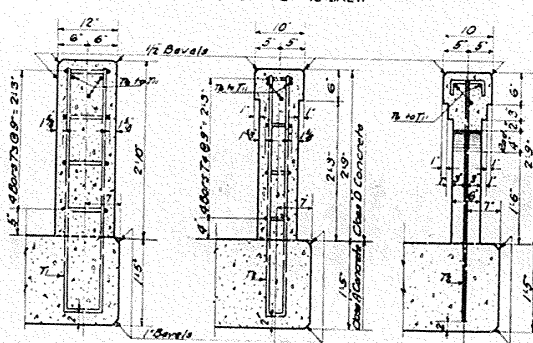
END SPAN - STRAIGHT, OR SHORT RAIL 30° OR 45° SKEW



END SPAN- LONG RAIL 45° SKEW



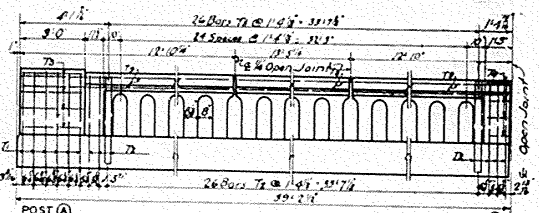
SINGLE SPAN - STRAIGHT



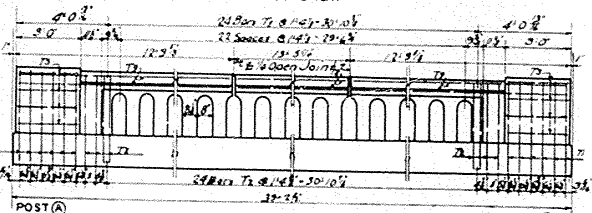
SECTION A-A

SECTION B-B

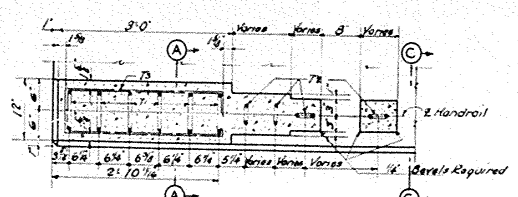
SECTION C-C



END SPAN - LONG RAIL - 30' SKEW

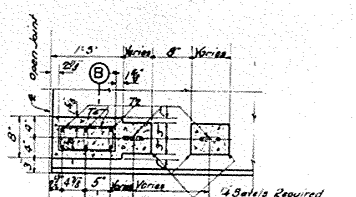


SINGLE SPAN 30° SKEW



SECTIONAL PLAN - POST (A)

GENERAL NOTE



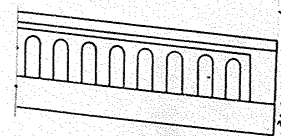
SECTIONAL PLAN - POST (B)

FOOT SPAN		T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	CONCRETE CLASS G.D.T/25	REINFORCE- MENT KG/M
STRAIGHT	SINGLE	TWO RAILS	24	54	16	-	44	6	12	-	-	-	4.1	880
	INTERMEDIATE	TWO RAILS	-	66	-	16	58	6	12	-	-	-	3.4	750
	END	TWO RAILS	12	60	8	8	50	6	12	-	-	-	3.7	810
30°SKEW	SINGLE	TWO RAILS	24	56	16	-	48	-	-	6	12	-	4.2	900
	INTERMEDIATE	TWO RAILS	-	66	-	16	54	6	12	-	-	-	3.4	750
	END	LONG RAIL	6	31	4	4	26	-	-	3	6	-	-	-
	END	SHORT RAIL	6	30	4	4	25	3	6	-	-	-	3.8	820
45°SKEW	SINGLE	TWO RAILS	24	58	16	-	50	-	-	12	6	-	4.2	920
	INTERMEDIATE	TWO RAILS	-	66	-	16	54	6	12	-	-	-	3.4	750
	END	LONG RAIL	6	32	4	4	27	-	-	6	3	-	-	-
	END	SHORT RAIL	6	30	4	4	25	3	6	-	-	-	3.8	830

BILL AND TYPES OF REINFORCEMENT									
MARK	TYPE	NO	SIZE	LENGTH FT. IN.	LOCATION	a			
						FF.	IN.	FT.	IN.
T1	(1)	4	8	5	Post A	5	11 1/2	0	6
T2	"	7	11	"	Post B & Spindles	5	10 1/2	0	6
T3	(2)	3	7	5	Post A	2	8 1/2	0	6
T4	"	3	2	"	Post B	0	11 1/4	0	6
T5	(1)	12	0	11	Roil	0	9	0	7
T6	SPR.		14	7	"				
T7	"		11	5	"				
T8	"		13	2	"				
T9	"		12	5	"				
T10	"		14	4	"				

TYPE ①

TYPE ②



PART ELEVATION

When bridge is on a plus or minus grade top of all posts and rail to be parallel to the grade line. All posts and spindles to be vertical.

GENERAL NOTE
 Specifications: Kentucky Department of Highways, 1944 Standard with Amendments.
 Concrete: Class D concrete to be used in handrail.
 Reinforcement: Dimensions from face of concrete to bars are clear distances except as otherwise shown. Dimensions for bar spacing are distances center to center of bars. Bars of structural and intermediate grade new billet steel may be combined on this project or bars of hard grade new billet steel and rail steel may be combined on this project but a mixing of these two permissible combinations will not be allowed.
 Beveled Ends: All exposed edges to be beveled 1/4 unless otherwise noted.

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
STANDARD HANDRAIL
DECK GIRDER 35FT.SPAN
22 FT. 24 FT. & 28 FT. ROADWAY.

H-53

BRIDGE