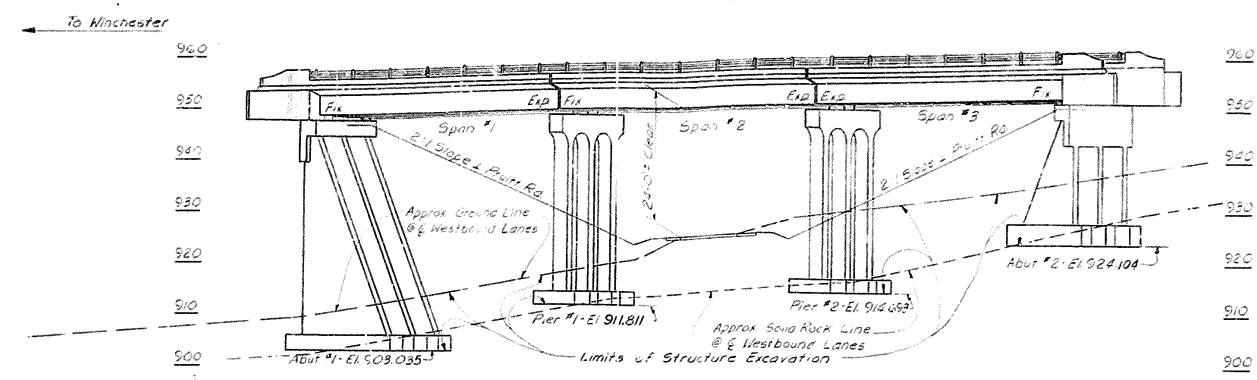


FIR. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	ROUTE	SHEET NO.	TOTAL SHEETS
7	KY.					



ELEVATION - WESTBOUND STRUCTURE

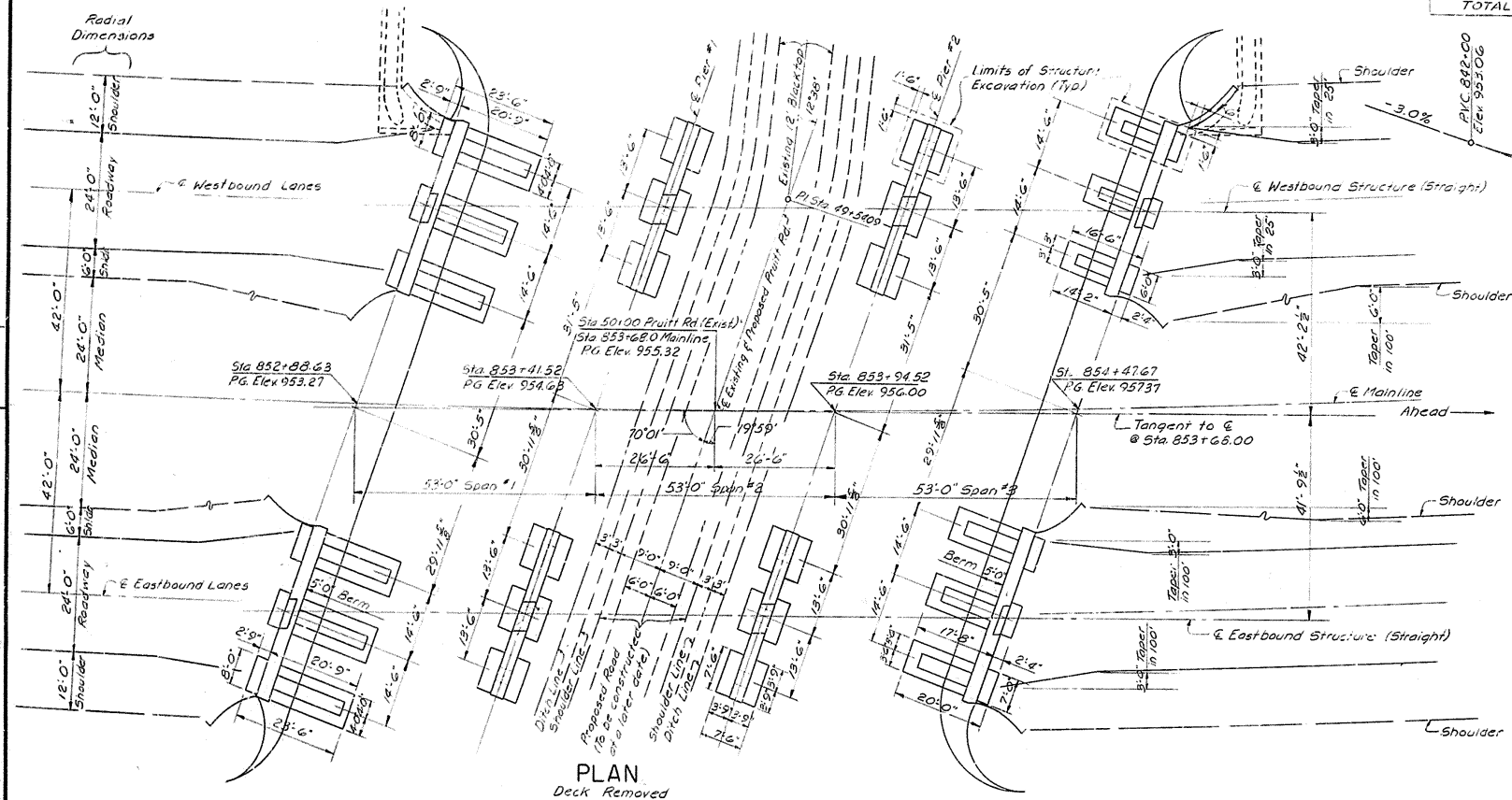
REFERENCE AND ESTIMATE OF QUANTITIES									
ITEM	LOCATION	CLASS 'A' REINFOR. CONC. CU YDS.	CONG. LBS.	STRUCT. EXC. CU YDS.	ALUM. RAIL LIN. FT.	FLUME INLET LUMP SUM.	FLUME LIN. FT.	BRONZE PLATES LBS.	
GENERAL PLAN	1	-	-	-	-	-	-	-	-
SOUNDINGS	2	-	-	-	-	-	-	-	-
ABUT. NO. 1 E.B.	35.4	210.3	16,510	180	78	-	-	-	-
ABUT. NO. 1 W.B.	35.4	210.3	16,510	160	45	-	-	-	-
PIER NO. 1 E.B.	5	78.9	13,085	50	22	-	-	-	-
PIER NO. 1 W.B.	5	81.6	13,550	80	15	-	-	-	-
PIER NO. 2 E.B.	5	80.9	13,390	140	15	-	-	-	-
PIER NO. 2 W.B.	5	79.6	13,160	160	28	-	-	-	-
ABUT. NO. 2 E.B.	35.4	159.7	11,720	310	77	-	-	-	-
ABUT. NO. 2 W.B.	35.4	97.7	8,345	200	45	-	-	-	-
SPANS 1, 2 & 3 E.B.	6,743	446.3	93,780	-	-	310.6	-	-	912
SPANS 1, 2 & 3 W.B.	6,743	446.4	93,780	-	-	310.7	-	-	912
CONTROL ELEV.	9	-	-	-	-	-	-	-	-
TOTALS	-	1,870.7	293,830	1,280	325	621.3	2.84	150	1,824

BILL OF INCIDENTAL MATERIAL			
ITEM	NO. PCS.	DESCRIPTION	LOCATION
PREM. EXP. JT. MTL.	6	1'-1'-5" x 3'-9"	Pier Caps
PREM. EXP. JT. MTL.	4	1'-5'-10" x 3'-6"	Between Spans
COPPER STRIP	8	7'-3 3/8" x 1/2"	"

Note: The quantities shown in the Bill of Incident Material are approximate only and the contractor is responsible for furnishing enough material to complete the work in accordance with the plans and Specifications.

GENERAL NOTES

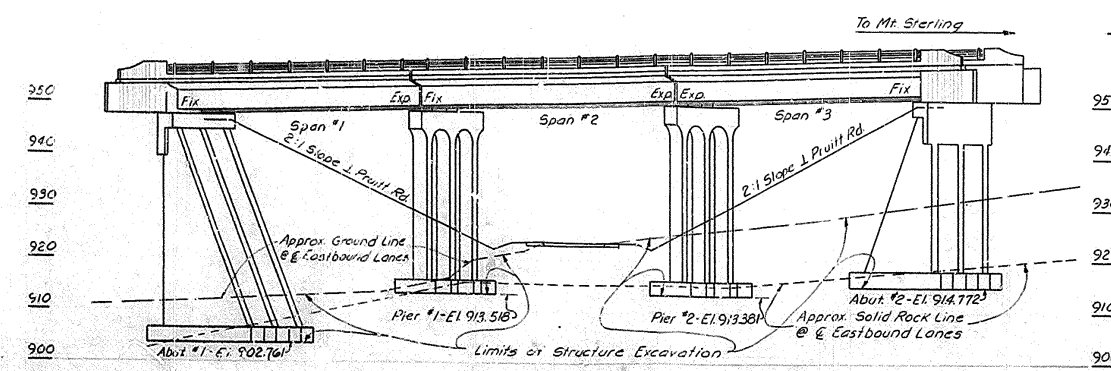
SPECIFICATIONS - Kentucky Department of Highways 1956 Standard with subsequent amendments.
DESIGN LOAD - Bridge designed for H20-S16-44 as specified in AASHTO 1953, with tentative revisions to date (except slab designed for 16' wheel load).
DESIGN STRESSES - $f_c = 1200$ psi; $f_s = 18,000$ psi.
FOUNDATION PRESSURES - 16,000 psf maximum on rock.
CONCRETE - Class 'A' Concrete to be used throughout.
REINFORCEMENT - Dimensions shown from face of concrete are clear distances. Spacing of bars is center to center of bars.
PLACING FILLS - The fill material shall be placed simultaneously in front and back of abutments in layers and compacted in accordance with the Specifications.
TAR PAPER - COPPER STRIP - EXPANSION JOINT MATERIAL - The cost of these items to be included in the unit price bid for Class 'A' 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 (10) hours continuous run. After one section of the concrete has been placed the construction joint shall be thoroughly cleaned of all laitance, loose and foreign material, just before concrete takes its final set (which is about 6 hours). The joints shall then be covered with burlap and kept completely saturated with water. Flush the joints with 1-2 Portland Cement mortar before placing the adjoining section.
BEVELED EDGES - All exposed edges shall be beveled 3' unless otherwise shown.



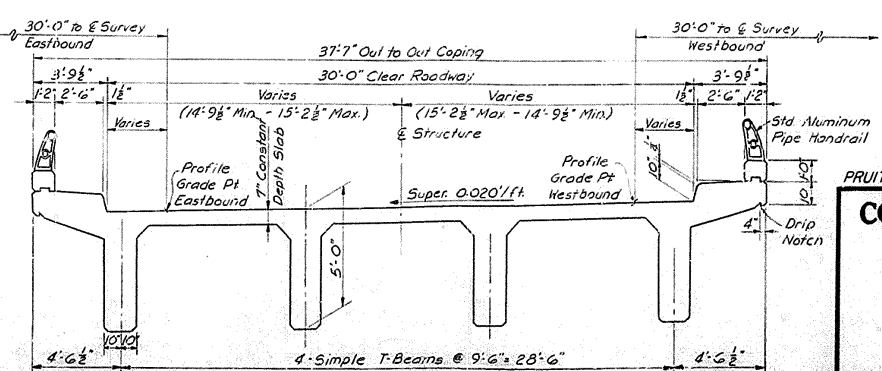
PLAN Deck Removed

MAIN LINE PROFILE

MAIN LINE CURVE DATA
 $\Delta = 14^\circ 13'$
 $D = 0^\circ 45'$
 $T = 952.67'$
 $L = 1895.56'$
 $R = 7639.44'$
 $E = 59.13'$
 $S.E. = 0.0201\%$



ELEVATION - EASTBOUND STRUCTURE



TYPICAL CROSS SECTION OF WESTBOUND STRUCTURE

(Eastbound Structure Similar Except Profile Grade Point)

Sheet 1 of 9

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

MONTGOMERY
WINCHESTER-MT. STERLING

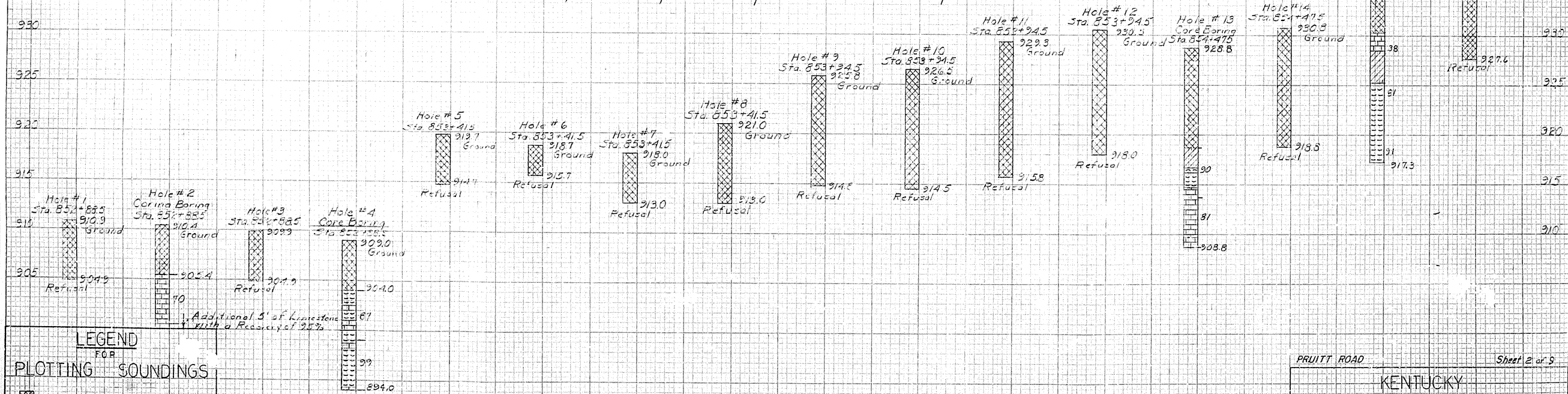
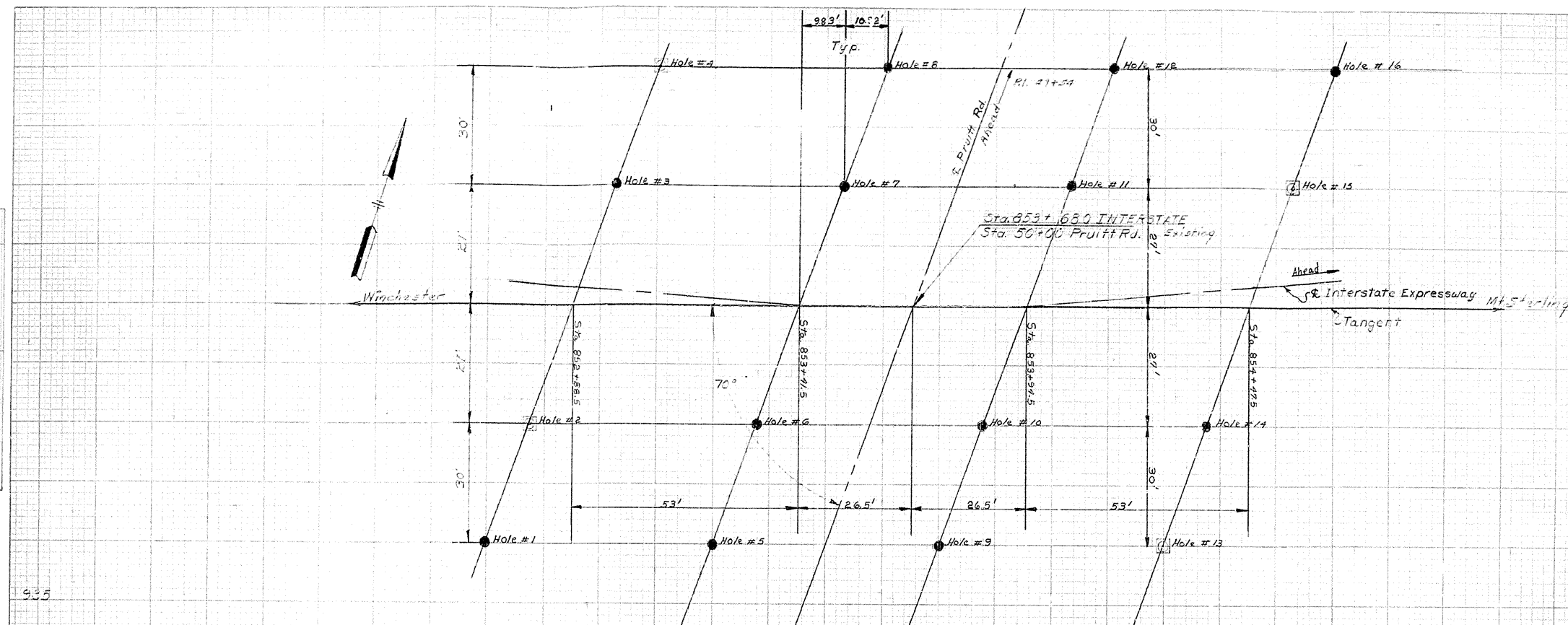
ROAD
STATION 853+68.00
PROJECT NO. 1-04-5(1)

BRIDGE NUMBER
DRAWING
INDEX

DATE: 11/1/57
CHECKED BY: H.M.H.
DATE: 11/1/57
DESIGNED BY: H.M.H.
DATE: 11/1/57
APPROVED BY: H.M.H.
DATE: 11/1/57

FINAL SURVEY
 DATE: 10/1/54
 BY: J. H. HARRIS
 CHECKED: J. H. HARRIS

ORIGINAL SURVEY
 DATE: 10/1/54
 BY: J. H. HARRIS
 CHECKED: J. H. HARRIS

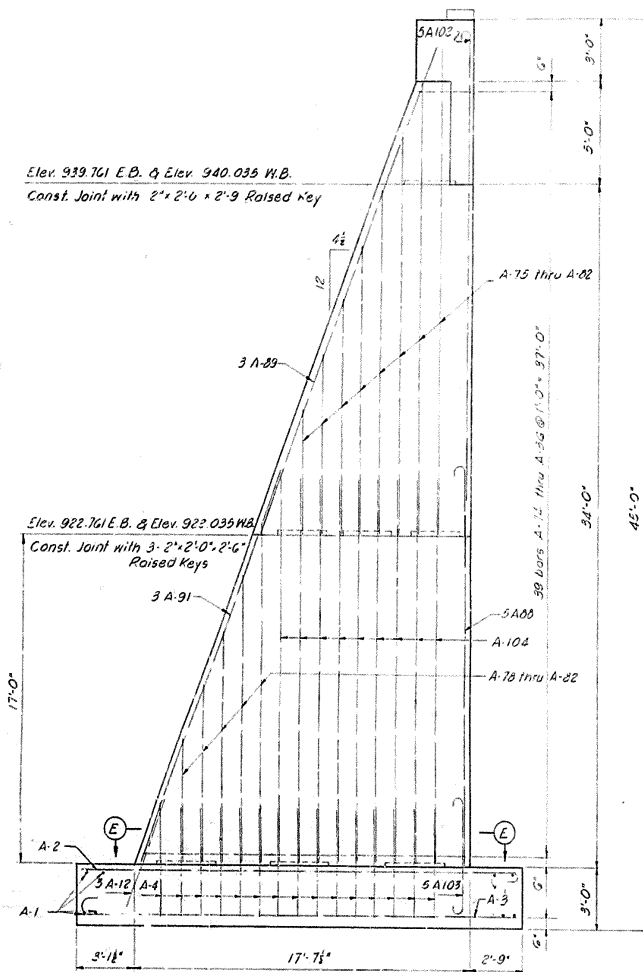


LEGEND FOR PLOTTING SOUNDINGS

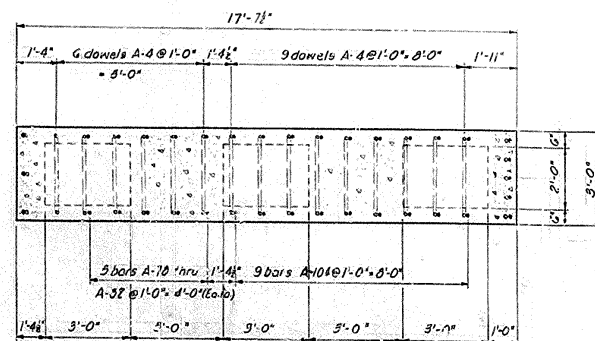
	Soil Overburden		Rock Soundings
	Limestone		Core Boring
	Shale		Clay
	Clay Seam		Rock Core 6' Recovery 1/4

PRUITT ROAD Sheet 2 of 5

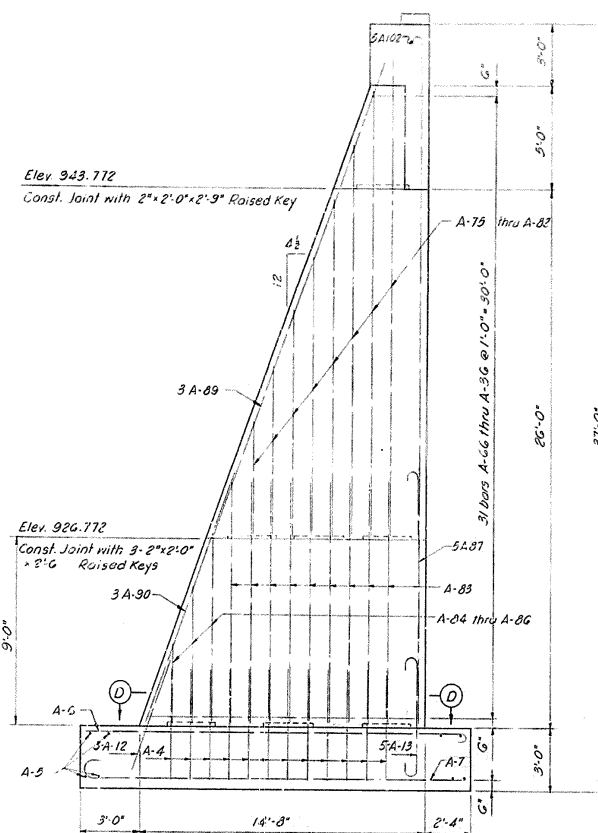
KENTUCKY
 DEPARTMENT OF HIGHWAYS
 COUNTY OF MONTGOMERY
 WINCHESTER - MT. STERLING
 ROAD
 STATION 853+66.0 PROJECT NO. 104-0
 BRIDGE NUMBER 132/8



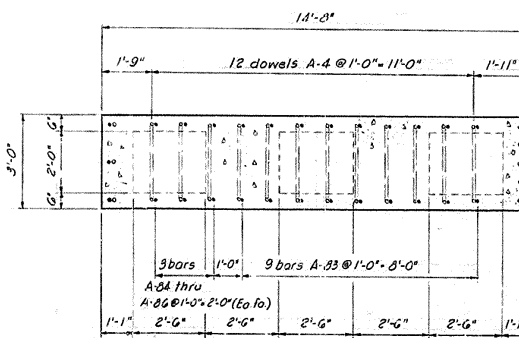
ELEVATION "A-A"
Eastbound & Westbound Str. Abut. #1



SECTION "E-E"
Dimensioned at base of column

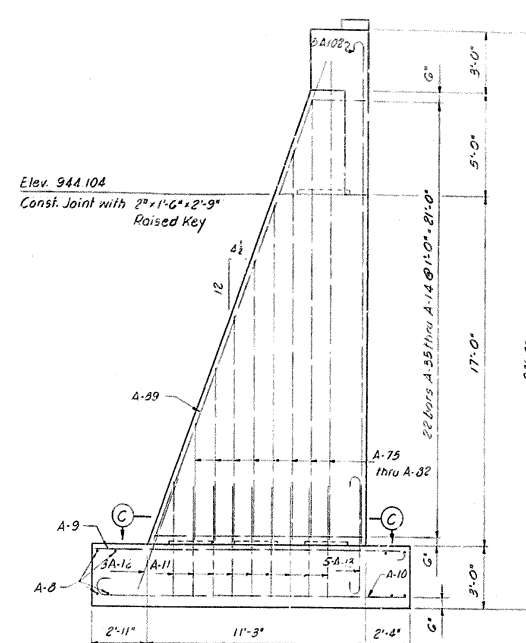


ELEVATION "A-A"
Eastbound Str. Abut. #2

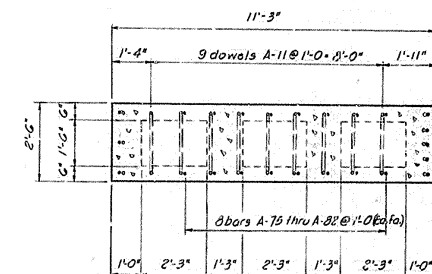


SECTION "D-D"
Dimensioned at base of column

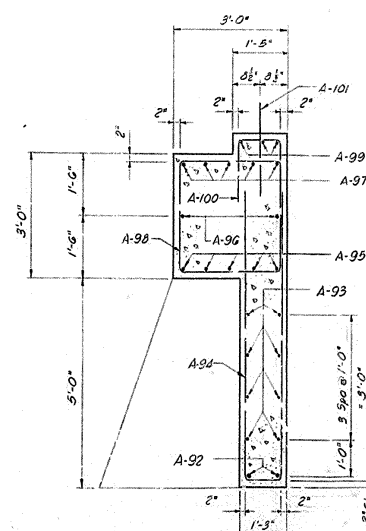
NOTE:
All construction keys
shown on this sheet
are to be raised keys.



ELEVATION "A-A"
Westbound Str. Abut. #2



SECTION "C-C"
Dimensioned at base of column

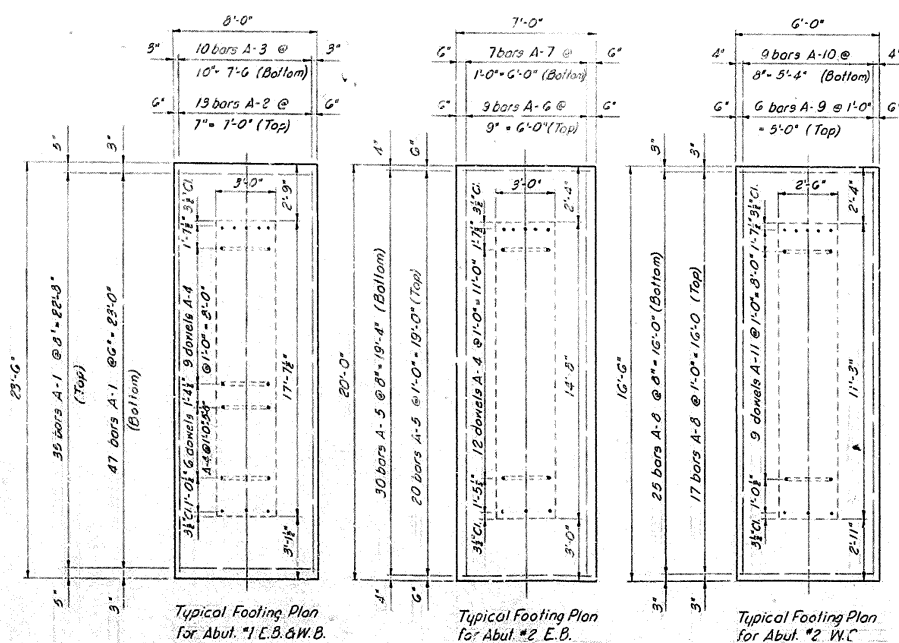


SECTION "B-B"
Typical for all four abutments

ABUTMENT DETAILS

PRUITT ROAD Sheet 3 of 9

COMMONWEALTH OF KENTUCKY	
DEPARTMENT OF HIGHWAYS	
FRANKFORT	
COUNTY OF	
MONTGOMERY	
WINCHESTER - MT. STERLING	
STATION 85.3 + 63.0	PROJECT NO. 1-04-5(1)
BRIDGE NUMBER	DRAWING INDEX
	NO. 1342



BILL OF REINFORCEMENT											
Mark	Type	Number of bars				Length ft. in.	LOCATION				
		Abut. #1 E.B. W.B.	Abut. #2 E.B. W.B.	Abut. #3 E.B. W.B.	Abut. #4 E.B. W.B.			a	b	c	d
								ft. in.	ft. in.	ft. in.	ft. in.
A1	1	246	246	-	-	5' 8"	Footings	7	1	0	0
A2	2	39	39	-	-	5' 23"		22	10	0	0
A3	2	30	30	-	-	8' 24"	Dowel	22	7	1	0
A4	3	45	45	36	-	5' 12"		5	8	2	0
A5	1	-	-	150	-	5' 7"		6	1	0	0
A6	2	-	-	27	-	5' 20"		19	4	0	0
A7	2	-	-	21	-	8' 30"		19	1	1	0
A8	1	-	-	126	5	6' 10"		5	1	0	0
A9	2	-	-	18	5	16' 8"		5	1	0	0
A10	2	-	-	27	6	14' 9"		15	9	1	0
A11	3	-	-	29	5	12' 4"	Dowel Gavel	5	5	2	0
A12	STR	9	9	9	9	6' 0"		0	0	0	0
A13	1	-	-	15	15	6' 7"	Footings	5	1	1	0
A14	4	-	-	3	5	10' 4"		2	1	2	8
A15						11' 0"					
A16						11' 9"					
A17						12' 6"					
A18						13' 3"					
A19						14' 0"					
A20						14' 9"					
A21						15' 6"					
A22						16' 3"					
A23						17' 0"					
A24						17' 9"					
A25						18' 6"					
A26						19' 3"					
A27						20' 0"					
A28						20' 9"					
A29						21' 6"					
A30						22' 3"					
A31						23' 0"					
A32						23' 9"					
A33						24' 6"					
A34						25' 3"					
A35						26' 0"	Column-Abut. #2 W.B.	2	1	10	6 1/2
A36						11' 3"	Column-Abut. #1 E.B.	2	7	2	8
A37						12' 0"	E.W.B. ~ Abut. #2 E.B.			3	0 1/2
A38						12' 9"				3	5
A39						13' 6"				3	9 1/2
A40						14' 3"				4	2
A41						15' 0"				4	6 1/2
A42						15' 9"				4	11
A43						16' 6"				5	3 1/2
A44						17' 3"				5	8
A45						18' 0"				6	0 1/2
A46						18' 9"				6	5
A47						19' 6"				6	9 1/2
A48						20' 3"				7	2
A49						21' 0"				7	6 1/2
A50						21' 9"				7	11
A51											

ABUTMENT DETAILS

PRUITT ROAD

Sheet 4 of 7

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
MONTGOMERY
WINCHESTER - MT. STERLING

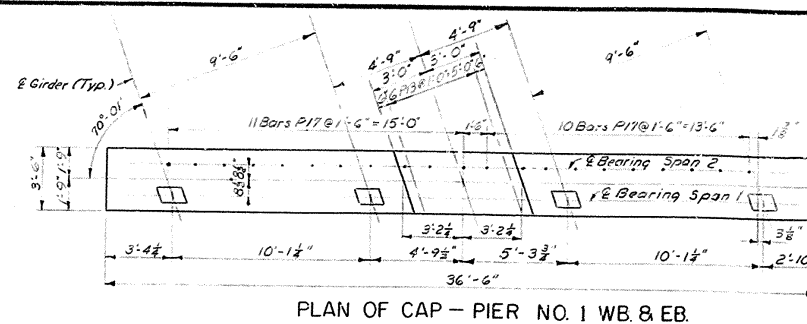
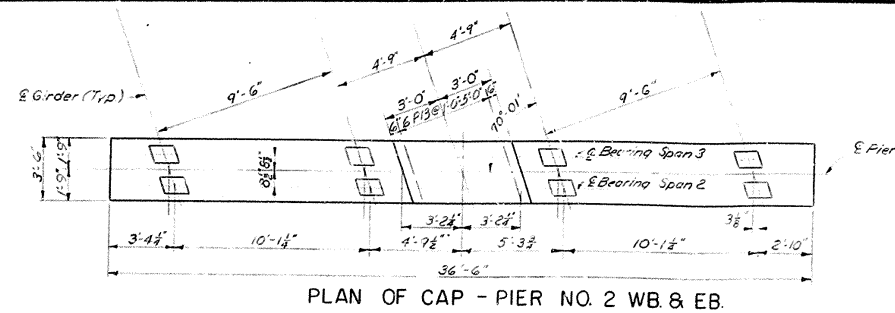
STATION 853+68.0

PROJECT NO. I-04-5(1)

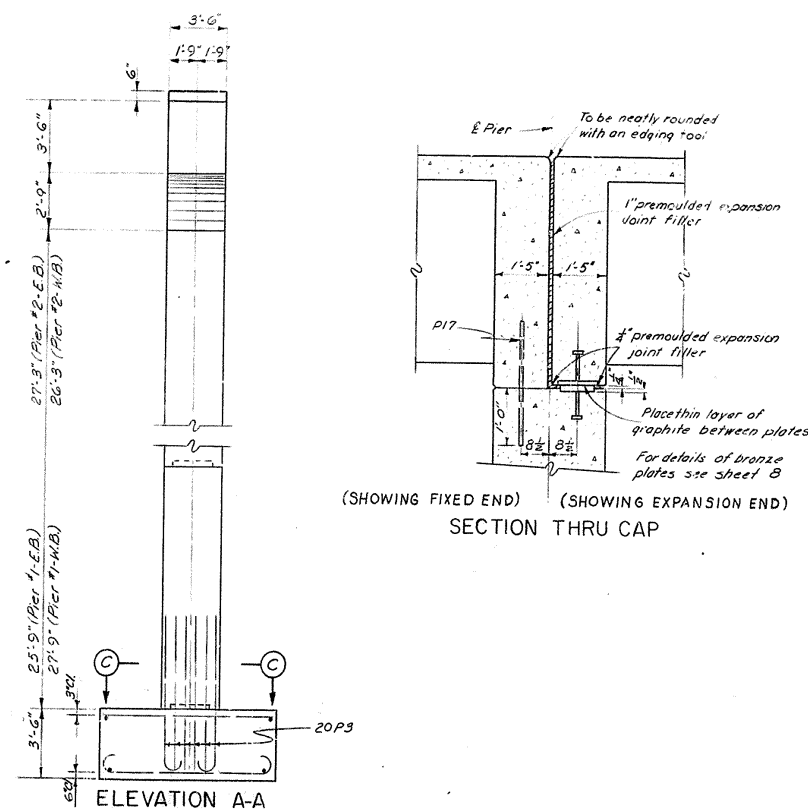
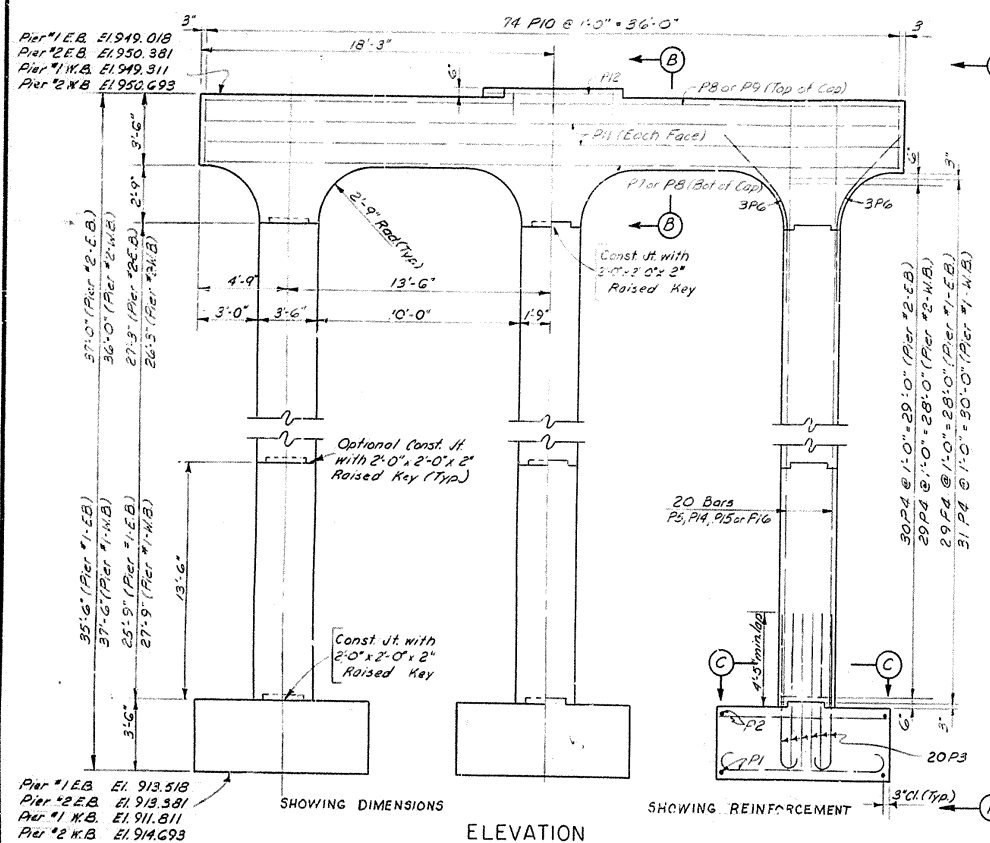
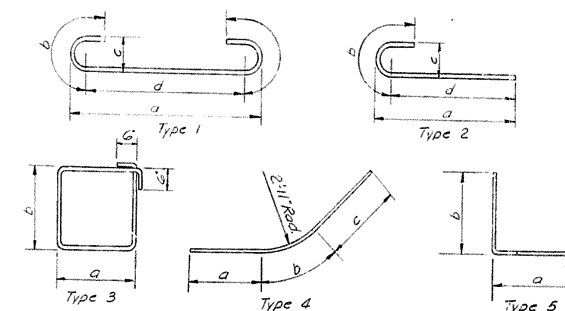
BRIDGE
NUMBER

DRAWING

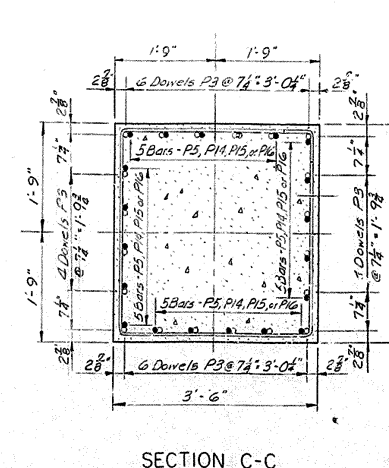
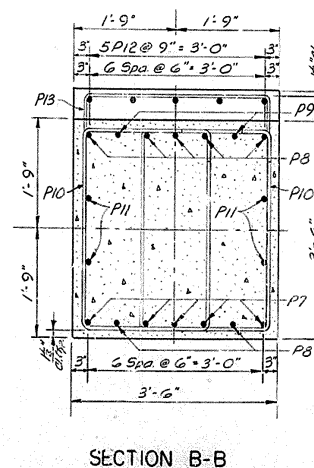
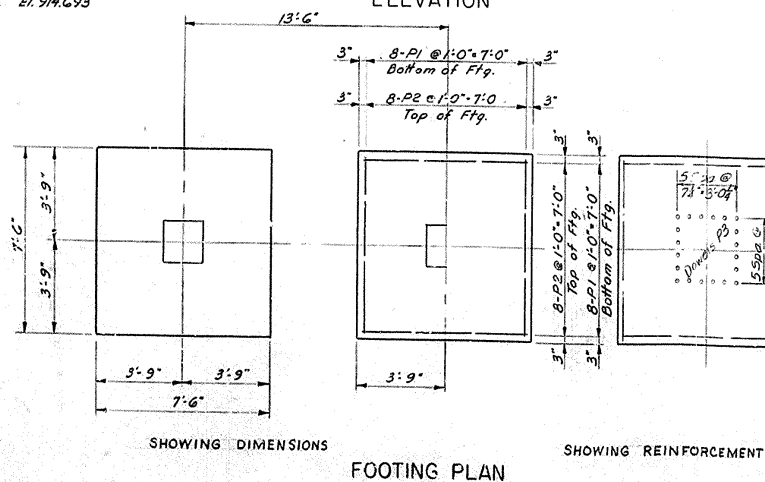
NO. 3248



BILL OF REINFORCEMENT																
MARK TYPE		NUMBER				BAR	LENGTH	LOCATION	a		b		c		d	
		PIER	PIEB	PING	PEN	SIZE	FT. IN.		FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.
P1	1	48	48	48	48	#7	8	9	Footling - Bottom	7	0	1	2	0	7	6
P2	STR	48	48	48	48	5	7	0	Footling - Top	7	5	1	8	0	7	6
P3	2	60	60	60	60	9	8	3	Footling Dowels	7	5	3	3	0	11	7
P4	3	87	90	93	87	4	13	9	Column Hoops	7	5	3	3			
P5	STR	60	-	-	-	9	31	6	Column	5	0	2	3	3	0	
P6	4	18	18	18	9	10	3		Column & Cap	5	0	2	3	3	0	
P7	STR	5	5	5	5	8	36	2	Cap							
P8	STR	7	7	7	7	7	36	3	Cap Top & Bottom							
P9	STR	2	2	2	2	6	36	2	Cap Top							
P10	3	74	74	74	5	11	7		Cap Straps	3	3	2	2			
P11	STR	4	4	4	4	5	36	2	Cap							
P12	STR	5	5	5	5	5	6	0	Shear Key							
P13	5	6	6	6	6	5	6	10	Shear Key	3	5	1	9	1		
P14	STR	-	60	-	-	9	33	0	Column							
P15	STR	-	-	60	-	9	33	6	Column							
P16	STR	-	-	-	60	9	32	0	Column							
P17	STR	21	-	21	-	4	2	0	Cap Dowels							

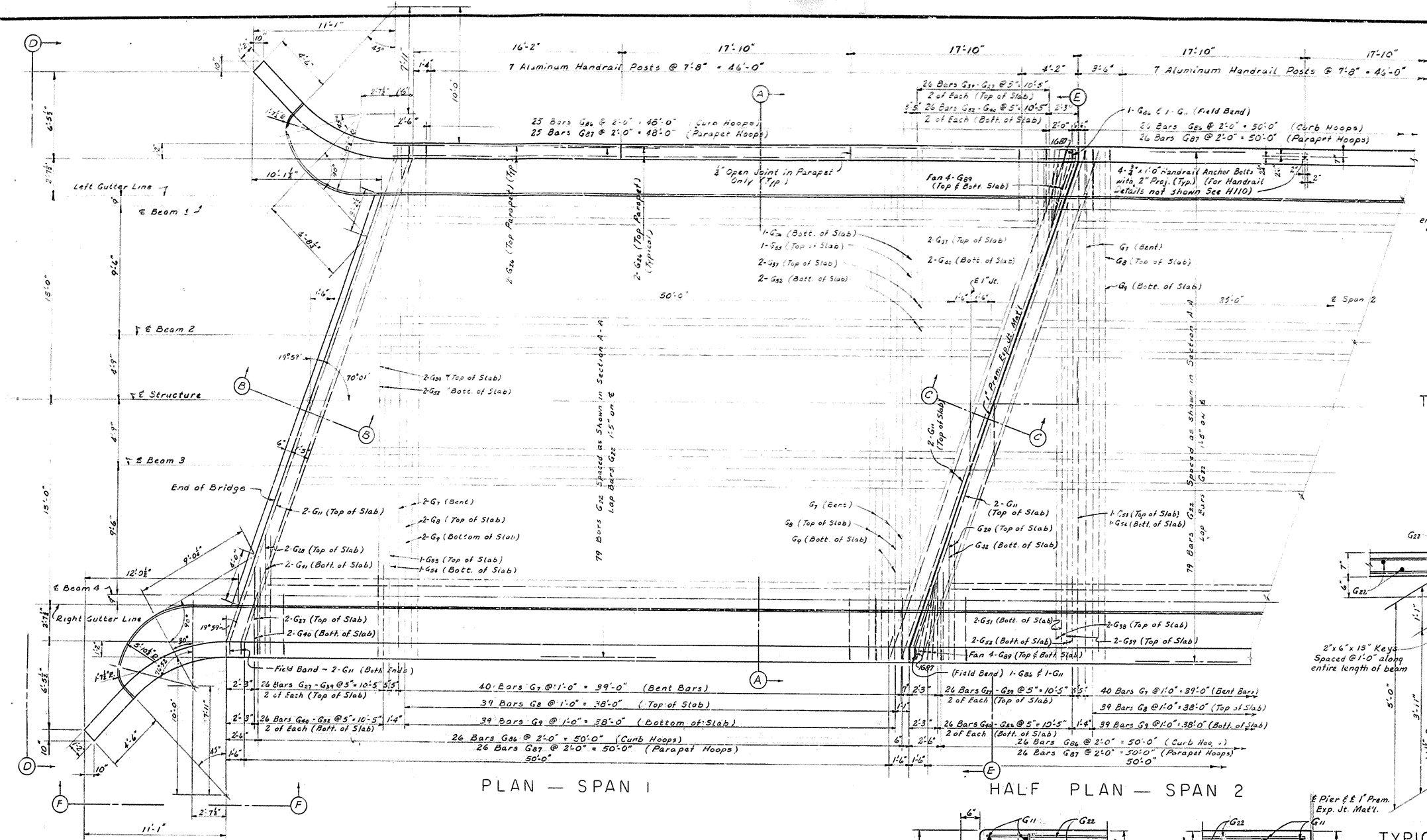


ESTIMATE OF QUANTITIES				
Item	Pier #1 E.B.	Pier #2 E.B.	Pier #2 W.B.	Pier #2 W.B.
Concrete class A'	78.9 cu yds.	80.9 cu yds.	81.6 cu yds.	79.6 cu yds.
Reinforcement	13,085 lbs.	13,390 lbs.	15,530 lbs.	13,160 lbs.
Str. Excavation	50 cu yds.	40 cu yds.	80 cu yds.	160 cu yds.
	S.R. 22 cu yds.	15 cu yds.	15 cu yds.	28 cu yds.

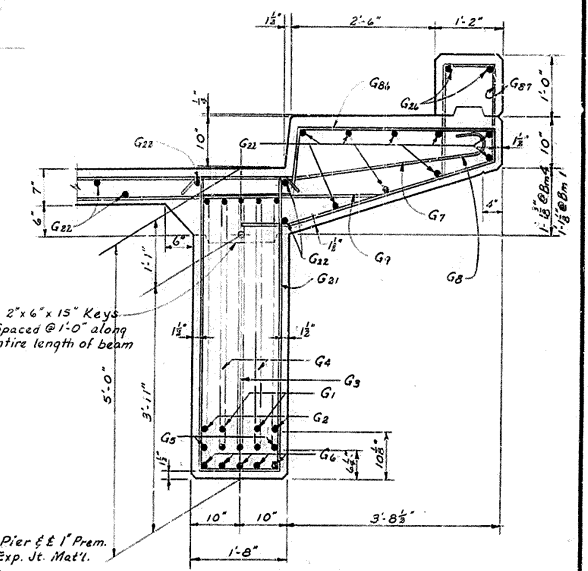


PIER DETAILS

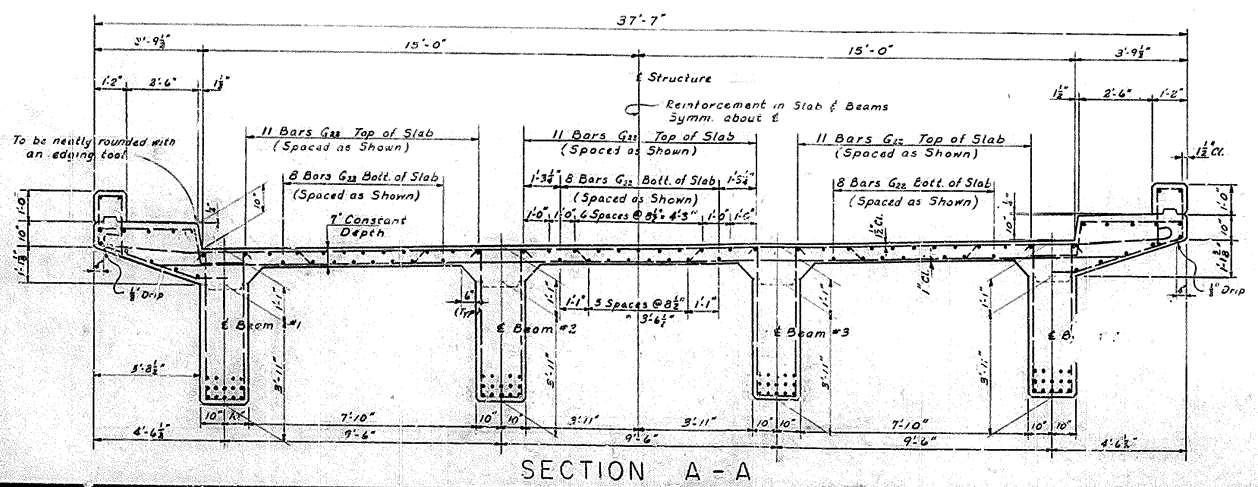
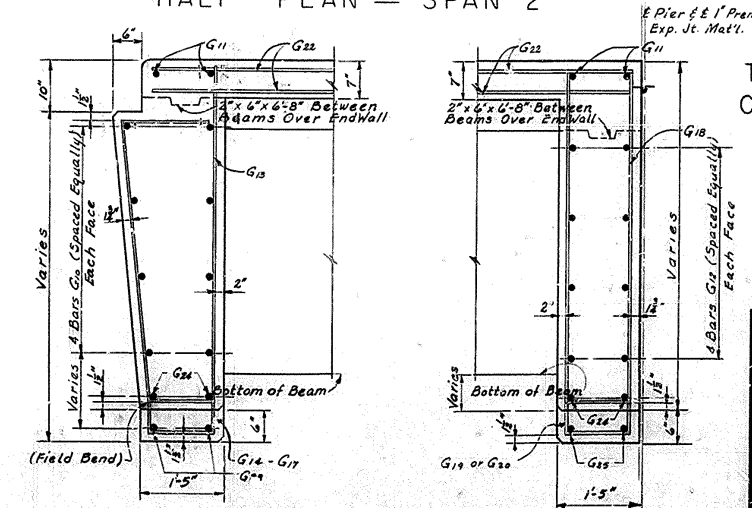
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	LOCAL PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	KY.				



TYPICAL SECTION THRU INTERIOR BEAM 2 OR 3



TYPICAL SECTION THRU CURB AND EXTERIOR BEAM 1 OR 4



SECTION B-B

SECTION C-C

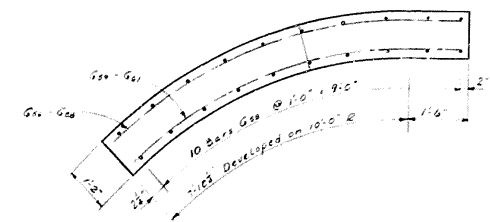
SPANS 1, 2 & 3

PRUITT ROAD Sheet 6 of 9

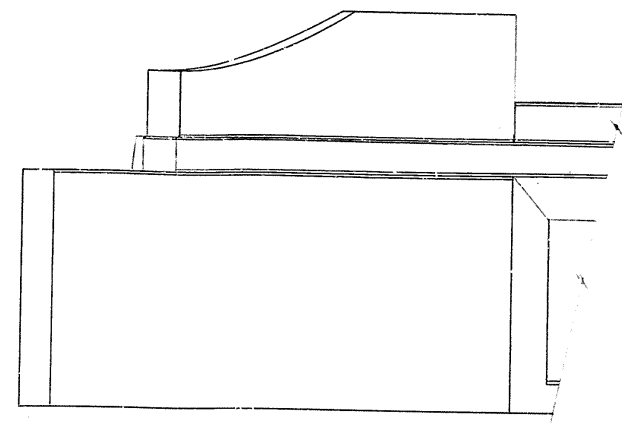
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
MONTGOMERY
WINCHESTER - MT. STERLING
ROAD
STATION 853+68.00 PROJECT NO. 1-04-5(11)
BRIDGE NUMBER 13248

DATE: 10-10-57
 DESIGNED BY: J.D.C.
 CHECKED BY: J.D.C.
 DATE: 10-10-57
 DESIGNED BY: J.D.C.
 CHECKED BY: J.D.C.
 DATE: 10-10-57

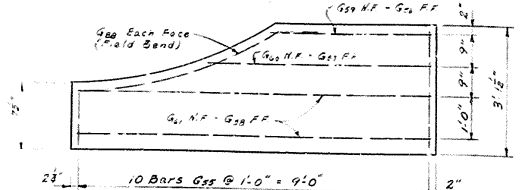
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



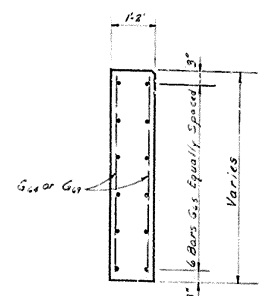
TERMINAL POST PLAN
(Showing Reinforcement)



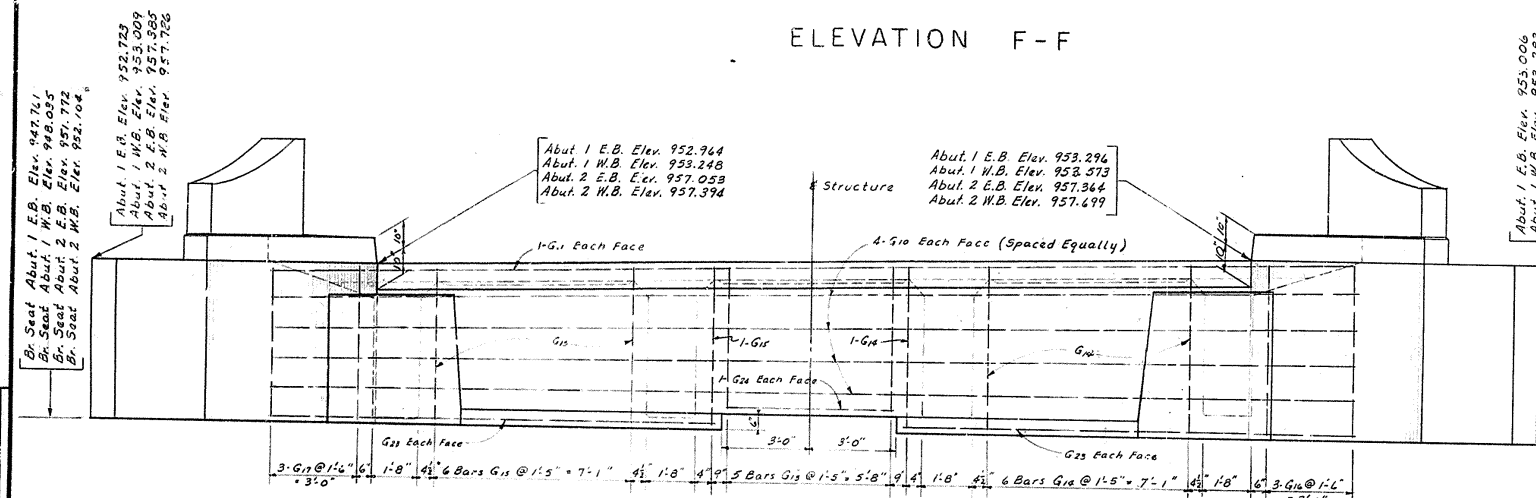
ELEVATION F-F



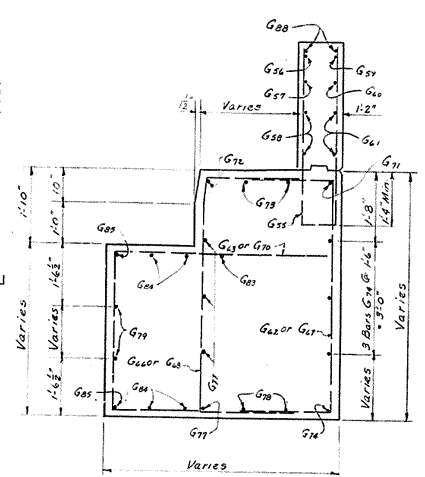
TERMINAL POST
(Developed along 10'-0" radius)



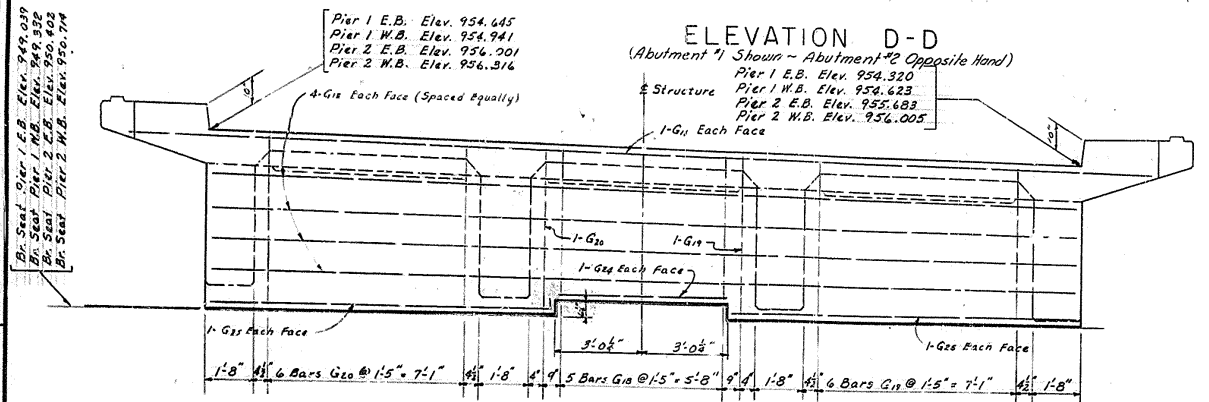
SECTION K-K



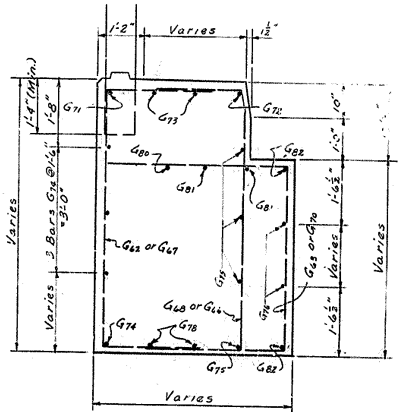
ELEVATION D-D
(Abutment 1) Shown - Abutment 2 Opposite Hand



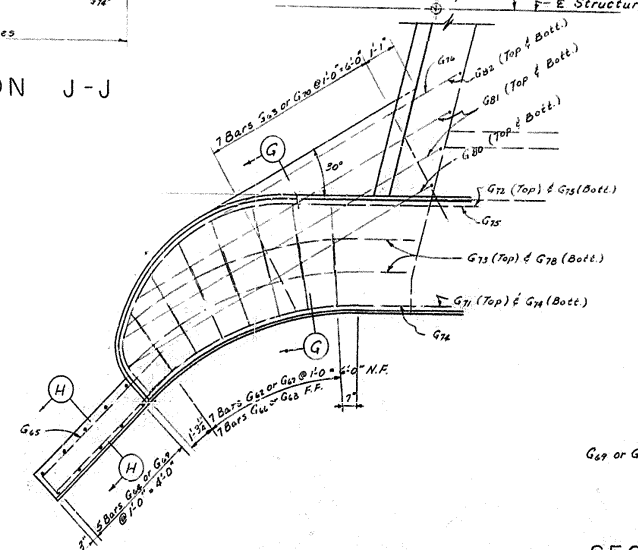
SECTION J-J



ELEVATION E-E

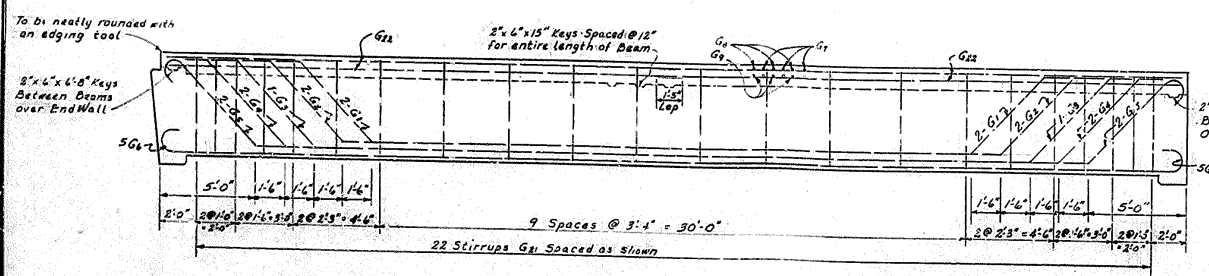


SECTION G-G



PART PLAN
(Showing Reinforcing of Wings)

SECTION H-H



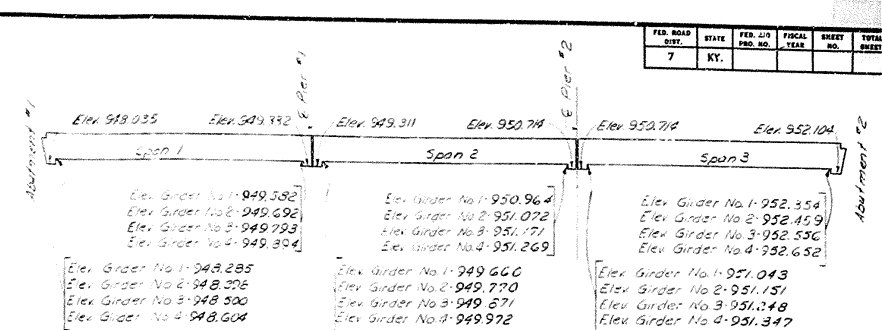
TYPICAL SECTION ON BEAMS

	QUANTITIES	E.B. STRUCTURE	W.B. STRUCTURE
Concrete, Class "A"	446.3 cu. yds.	446.4 cu. yds.	
Reinforcing Steel	93,780 lbs.	93,780 lbs.	

SPANS 1, 2 & 3

PRUITT ROAD Sheet 7 of 9

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
MONTGOMERY
WINCHESTER - MT. STERLING
ROAD
STATION 853+68.00 PROJECT NO. 1-04-5(1)
BRIDGE NUMBER NO. 13248



Abutment #1

Elev. 947.761

Elev. 949.039

Elev. 949.018

Elev. 950.400

Elev. 950.400

Elev. 951.772

Span 1

Span 2

Span 3

Abutment #2

x Pier #1

x Pier #2

Elev. Girder No. 1-948.289

Elev. Girder No. 2-949.393

Elev. Girder No. 3-949.500

Elev. Girder No. 4-949.599

Elev. Girder No. 1-949.366

Elev. Girder No. 2-949.469

Elev. Girder No. 3-949.572

Elev. Girder No. 4-949.675

Elev. Girder No. 1-950.730

Elev. Girder No. 2-950.831

Elev. Girder No. 3-950.930

Elev. Girder No. 4-951.031

30'-0" to E Survey Eastbound

37'-7" Out to Out Coping

30'-0" Clear Roadway

30'-0" to E Survey Westbound

3'-9 1/2"

1'-2"

18"

Varies

Varies

Varies

Profile Grade Point Eastbound

Structure

Super 0.020/ft.

Profile Grade Point Westbound

5'-0"

4'-6 1/2"

4'-6 1/8"

Elevation Point Top of 5100

Elevation Point Bottom of Beam

4 - Simple T-Beams @ 9'-6" x 28'-6"

TYPICAL CROSS SECTION OF WESTBOUND STRUCTURE
(Eastbound Structure Similar Except Profile Grade Point)

TABLE OF ELEVATIONS																										
SECTIONS - WESTBOUND																										
	1-1	2-2	3-3	4-4	5-5	6-6	7-7	8-8	9-9	10-10	11-11	12-12	13-13	14-14	15-15	16-16	17-17	18-18	19-19	20-20	21-21	22-22	23-23	24-24	25-25	
Left Gutter Line (Top of Slab)	-	-	-	-	953.374	953.385	953.392	953.395	954.132	954.341	954.570	954.780	954.992	955.198	955.400	955.598	955.789	955.978	956.192	956.404	956.612	956.813	957.011	957.202	-	-
↳ Girder No. 1 (Bottom of Beam)	-	-	-	-	948.365	948.600	948.807	949.010	949.207	949.399	949.585	949.765	950.007	950.213	950.415	950.613	950.805	950.994	951.207	951.419	951.628	951.828	952.026	952.217	-	-
↳ Girder No. 2 (Top of Slab)	-	-	-	-	953.374	953.585	953.794	953.559	954.159	954.354	954.584	954.775	955.004	955.604	955.800	955.995	956.188	956.402	956.612	956.817	957.016	957.211	957.401	-	-	
↳ Girder No. 2 (Bottom of Beam)	-	-	-	-	948.374	948.585	948.794	948.959	949.159	949.354	949.584	949.775	949.990	950.199	950.404	950.604	950.800	950.990	951.188	951.402	951.612	951.817	952.018	952.211	952.401	-
↳ Structure	-	-	-	-	953.460	953.682	953.890	954.094	954.284	954.467	954.676	954.874	955.071	955.296	955.499	955.698	955.892	956.082	956.286	956.499	956.709	956.918	957.104	957.304	957.493	-
↳ Girder No. 3 (Top of Slab)	-	-	-	-	953.567	953.780	953.986	954.189	954.389	954.580	954.768	954.972	955.185	955.392	955.594	955.791	955.985	956.178	956.384	956.596	956.803	957.007	957.204	957.397	-	-
↳ Girder No. 3 (Bottom of Beam)	-	-	-	-	948.567	948.780	948.986	949.189	949.388	949.580	949.768	949.972	950.185	950.392	950.594	950.791	950.985	951.178	951.384	951.596	951.803	952.007	952.204	952.397	-	-
↳ Girder No. 4 (Bottom of Beam)	-	-	-	-	948.763	948.974	949.178	949.379	949.575	949.765	949.955	950.149	950.348	950.543	950.783	950.979	951.070	951.263	951.579	951.780	951.984	952.195	952.390	952.581	-	-
Right Gutter Line (Top of Slab)	-	-	-	-	953.772	953.989	954.193	954.394	954.590	954.780	954.969	955.163	955.393	955.598	955.798	955.994	956.185	956.378	956.594	956.804	957.009	957.210	957.405	957.596	-	-

SECTIONS - EASTBOUND																										
	1-1	2-2	3-3	4-4	5-5	6-6	7-7	8-8	9-9	10-10	11-11	12-12	13-13	14-14	15-15	16-16	17-17	18-18	19-19	20-20	21-21	22-22	23-23	24-24	25-25	
Left Gutter Line (Top of Slab)	-	953.056	953.267	953.473	953.675	953.872	954.053	954.250	954.456	954.668	954.874	955.076	955.272	955.473	955.653	955.865	956.077	956.284	956.484	956.681	956.872	-	-	-	-	-
↳ Girder No. 1 (Bottom of Beam)	-	948.071	948.282	948.488	948.630	948.837	949.078	949.265	949.471	949.683	949.889	950.039	950.287	950.478	950.668	950.880	951.092	951.297	951.499							

NOTE:
Elevations shown on this sheet include
construction camber and are to be
maintained with falsework in place.

PRUITT ROAD

Sheet 9 of 9

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
MONTGOMERY
WINCHESTER - MT. STERLING
ROAD

SP-25 **4-11**

PROJECT NO. 1-04- **1**

BRIDGE NUMBER	DRAWING	INDEX
	NO. 13212	

CONTROL ELEVATIONS

REV.	DATE	BY	CHKD.	APPD.
7		KT		

GENERAL NOTE

ALUMINUM POSTS: SEE SPECIAL SPECIFICATION NO. 14-58 FOR ALUMINUM POSTS.
FABRICATION

GENERAL: SEE DETAIL DRAWINGS FOR EXACT SPACING OF POSTS. THE CONTRACTOR SHALL FURNISH THE DEPARTMENT OF HIGHWAYS WITH COMPLETE SHOP DETAIL PLANS OF HANDRAIL FOR APPROVAL.

CUTTING: SAW AND MILL ALL CUTS.
HOLES: ALL HOLES IN CASTINGS SHALL BE CURED.
WELDING: USE INERT GAS SHIELDED ARC, NO FLUX. WELDING NOT PERMITTED EXCEPT AS SHOWN ON THIS SHEET.
FINISH: POST AND TUBES SHALL BE FINISHED ON EXTERIOR FACES AND EDGES WITH A 120 SANDING BELT. SCORING OR MARKING OF SURFACES SUFFICIENT TO CAUSE OBJECTIONABLE APPEARANCE SHALL BE CAUSE FOR REJECTION OF DAMAGED PIECE.

MEASUREMENT: HANDRAIL POSTS SHALL BE SET AT RIGHT ANGLES TO FASCIA LINE. TUBING SHALL BE ERECTED ON A LINE PARALLEL TO THE FASCIA LINE. WASHER SHIMS (MAXIMUM THICKNESS 1/8") MAY BE USED BETWEEN CONCRETE AND POST BASE FOR POST AND OR TUBING ALIGNMENT. THE VOID SPACE UNDER THE POST BASE SHALL BE FILLED WITH AN ALUMILASTIC COMPOUND OR APPROVED EQUAL, SO AS TO COMPLETELY INSULATE THE ALUMINUM FROM THE CONCRETE. THE CONTRACTOR SHALL FURNISH THE DEPARTMENT OF HIGHWAYS WITH COMPLETE ERECTION DETAIL PLANS SHOWING LOCATION OF SPLICES AND ERECTION DETAILS FOR APPROVAL.

MATERIAL: ALUMINUM: A.S.T.M. DESIGNATION B-221, ALLOY 6061-T6 OR 6062-T6.
TUBING LENGTHS TO EQUAL 3 POST SPACES, 25 FEET OR LESS.

POSTS: ALUMINUM: A.S.T.M. SPECIFICATIONS 6061 OR CURRENT SPECIFICATIONS, ALLOY DESIGNATION 6061-T6 AND THE CASTING SHALL BE HEAT TREATED TO A T6 TEMPER INSTEAD OF T4 TEMPER LISTED IN B-221 FOR ALLOY 6061-T6 IN ORDER TO PRODUCE PROPERTIES LISTED UNDER "TENSILE PROPERTIES" GIVEN IN (A-354-T6).

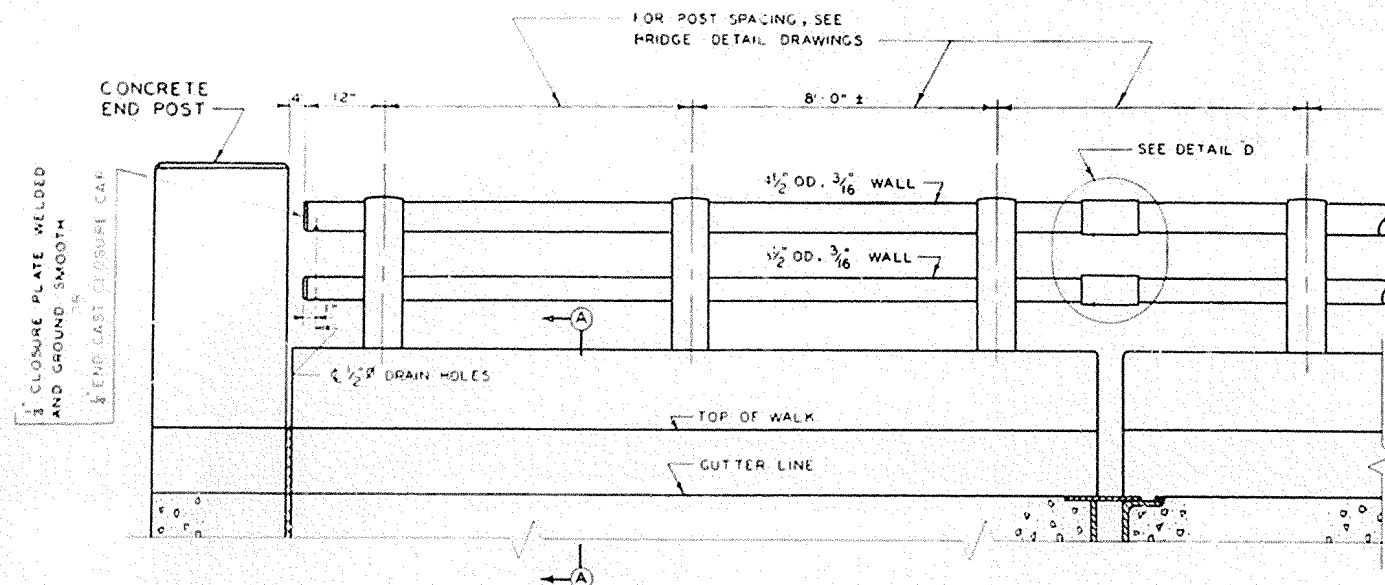
ANCHOR BOLTS: 3/4" DIA. X 12" SQUARE HEAD MACHINE BOLTS, THREADED 2". FURNISH WITH ONE (1) HEX. NUT AND ONE (1) WASHER EACH. ALL TO CONFORM TO A.S.T.M. DESIGNATION A-276, TYPE 302, 303 OR 304 CURRENT SPECIFICATIONS, OR TO CONFORM TO A.S.T.M. DESIGNATION A-307 CURRENT SPECIFICATIONS AND GALVANIZED IN ACCORDANCE WITH A.S.T.M. DESIGNATION A-153. 1/2" DIA. X 3" SQUARE HEAD OR ALLEN CUP POINT STAINLESS STEEL SET SCREWS, A.S.T.M. DESIGNATION A-276, TYPE 302, 303 OR 304, CURRENT SPECIFICATIONS; OR ALUMINUM ALLOY SET SCREWS, 1/2" DIA. X 3" SQUARE HEAD OR ALLEN CUP POINT, (2024-T4 WITH 205 ALUMILITE FINISH) A.S.T.M. B-211-541 ALLOY 6061-T6 OR 6062-T6 WITH ANODIC COATING, 0002 INCHES OR BETTER SEALING.

CLOSURE PLATE: 1/4" THICK A.S.T.M. DESIGNATION B-209 ALLOY 6061-T6, CURRENT SPECIFICATIONS, TEMPER T-6.

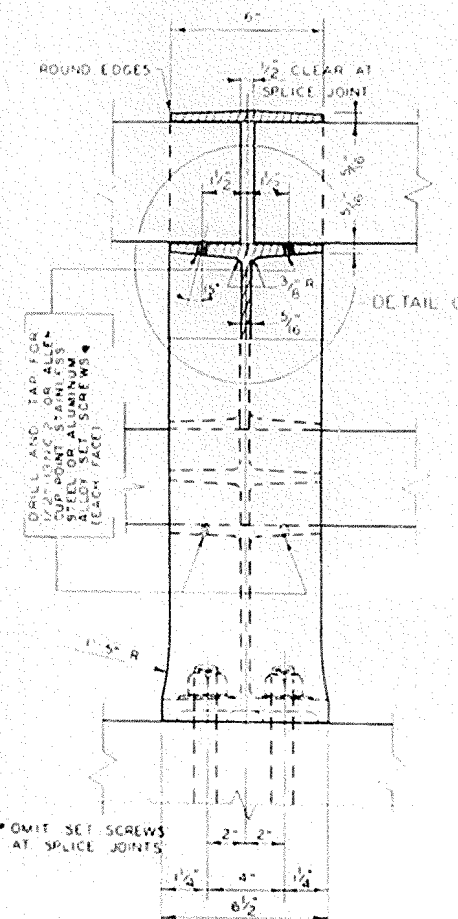
NOTARIZED MILL TEST REPORTS: NOTARIZED MILL TEST REPORTS IN TRIPPLICATE SHALL BE FURNISHED SHOWING THAT THE MATERIALS CONFORM WITH THE SPECIFICATIONS.

PAYMENT: PAYMENT WILL BE MADE ON THE BASIS OF THE MEASURED LENGTH OF HANDRAIL BETWEEN ENDS. PAYMENT WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR COMPLETE HANDRAIL IN PLACE, INCLUDING ANCHOR BOLTS, AND SHALL BE COMPLETE COMPENSATION FOR ALL MATERIALS, EQUIPMENT, TOOLS AND LABOR INCIDENTAL TO THE MANUFACTURE, FABRICATION AND ERECTION OF THE HANDRAIL.

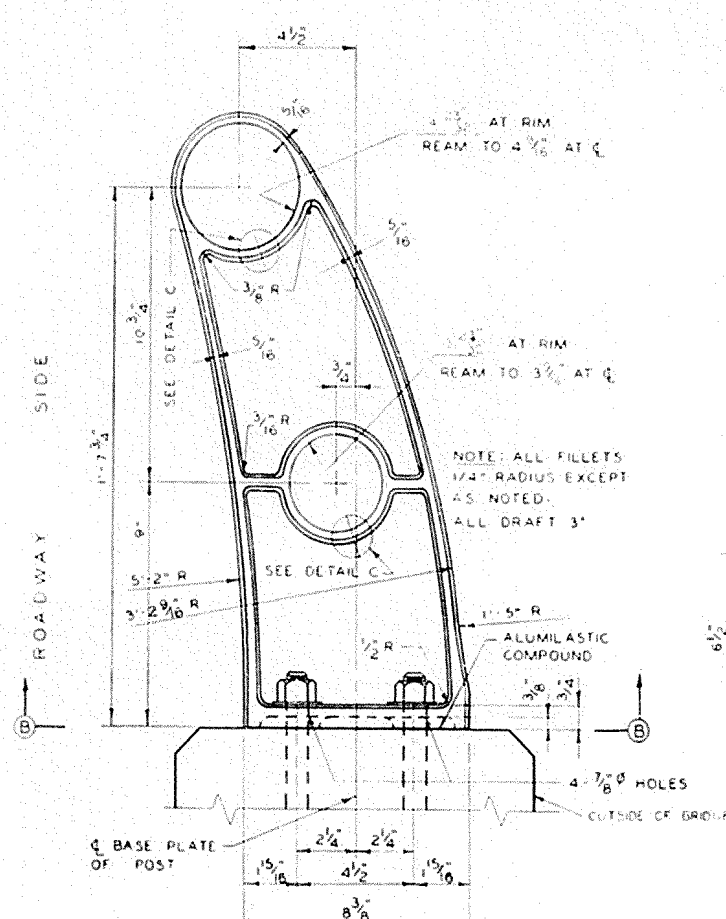
END CAST CLOSURE CAP: 1/4" END CLOSURE CAPS SHALL CONFORM TO A.S.T.M. B-26 ALLOY 505-F CURRENT SPECIFICATIONS.



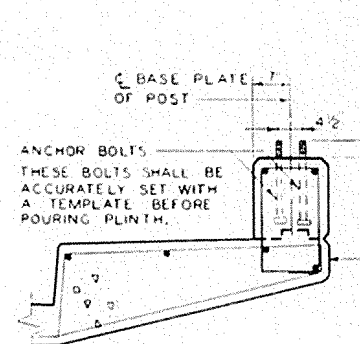
INSIDE ELEVATION OF ERECTED HANDRAIL



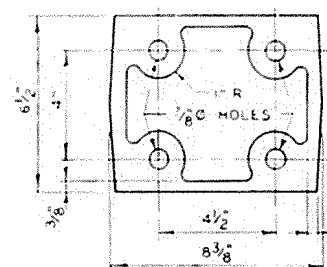
FRONT SECTIONAL ELEVATION



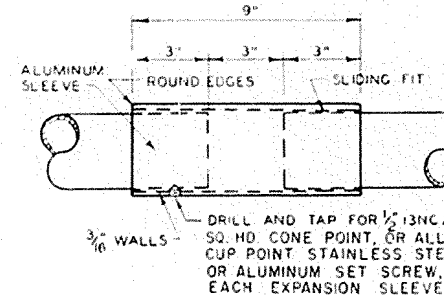
SIDE ELEVATION



SECTION A-A



ELEVATION B-B



DETAIL "D"
(TO BE USED AT EXP. DAM ONLY)

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
STANDARD ALUMINUM
HANDRAIL

REV.	DATE	BY	CHKD.	APPD.
7		KT		

BRIDGE

STA.	DATE	REV.	BY	CHK.	APP.	DATE
7	KY					

GENERAL NOTE

CONSTRUCTION NOTE: This drawing to be used in conjunction with Standard Plans or Special Plans for concrete floors on bridges when so noted on the Standard or Special Plans.

The joint between the spans shall have the copper strip and premolded joint filler so placed as to prevent contact of concrete between spans and to provide the full width of joint shown on plans. The copper strip and premolded joint filler shall be accurately placed and rigidly held in correct position. The premolded filler on the roadway between curbs shall be trimmed or placed 1/8" below the concrete surface and sealed with asphaltic joint filler, as indicated on this drawing.

No direct payment will be made for material or installation of copper expansion strip and premolded expansion joint filler, the cost of these shall be included in the unit price bid for class A concrete.

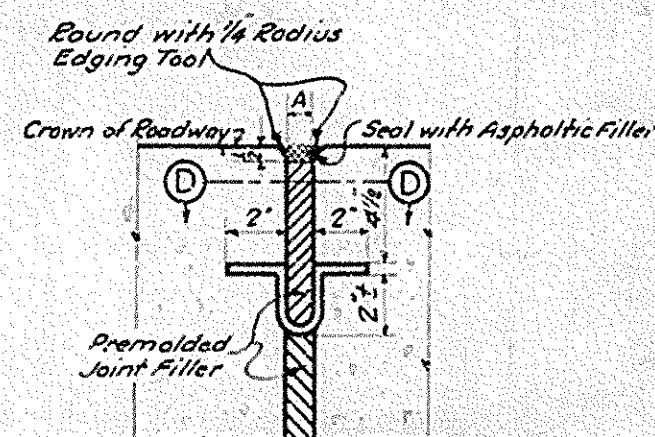
SPECIFICATIONS FOR PREMOLDED FILLER:

Premolded expansion joint filler shall conform to Section 7.25 of the 1956 Std. Specifications.

SPECIFICATIONS FOR ASPHALTIC FILLER: The Asphaltic Filler shall conform to the requirements of Section 7.26.2 of the Kentucky Department of Highways 1956 Standard Specifications, with Amendments.

SPECIFICATION FOR COPPER EXPANSION STRIP: The copper strips are to be 24 ounces soft sheet commercial grade. A tolerance of 8% variation in weight above or below that specified will be allowed. The strips are to be shop fabricated to the section and dimensions shown. Field bending and fabrication will not be permitted except as provided herein. Unless otherwise provided by plans, the strips may be furnished in one or two pieces. If furnished in two pieces the field joint shall be at the center line of roadway. Shop joints shall not be spaced closer than 6 feet unless otherwise shown on plans and shall be lock seam and soldered. The field joint of the center line of roadway may be a 2 inch width lap joint soldered. All joints shall be water tight.

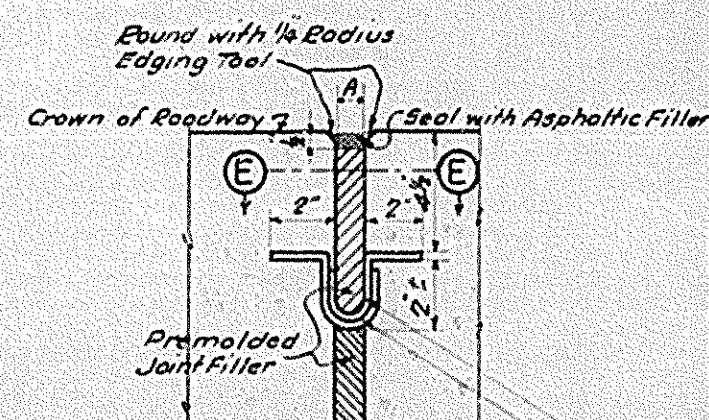
On Skewed Spans the two copper strips are separate units and are not to be connected in any way that will prevent movement of the strips relative to each other. All points are to be located to allow free movement of the individual strips.



PART SECTION B-B

Dimension A shown on Drawings (On Straight Spans)

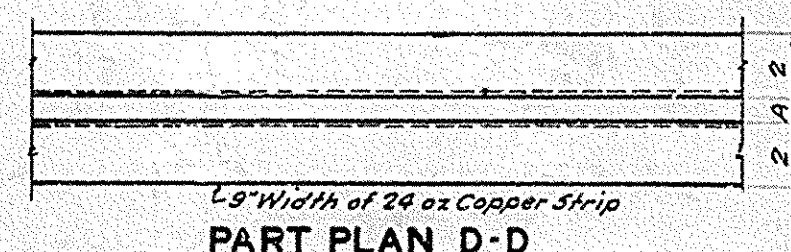
NOTE: Dimension A is inside dimension and is to be same as thickness shown on Drawings for Premolded Expansion Joint Filler.



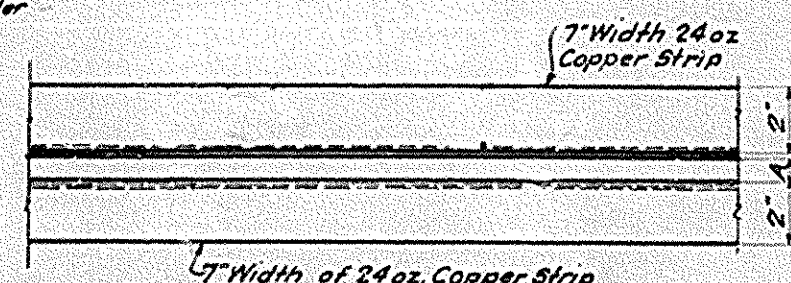
PART SECTION C-C

Dimension A shown on Drawings (On all skewed spans)

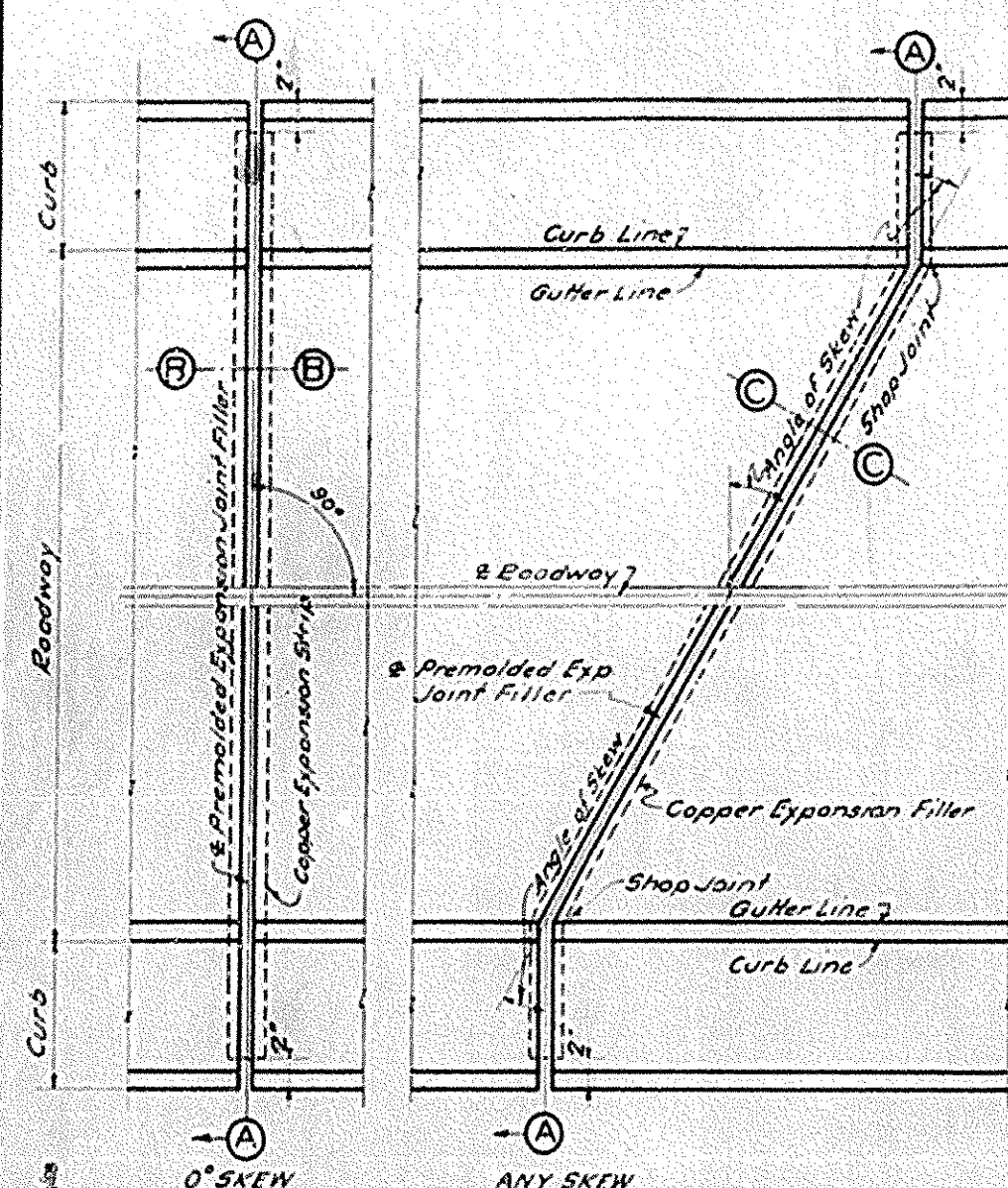
One point coat of Asphalt Cement PAC-7
NOTE: Lower section of copper strip is placed first, just prior to placing upper section of copper strip paint lower section with PAC-7 along all areas of contact, to provide additional seal. Cost of this work shall be included in the unit price bid for Class A concrete.



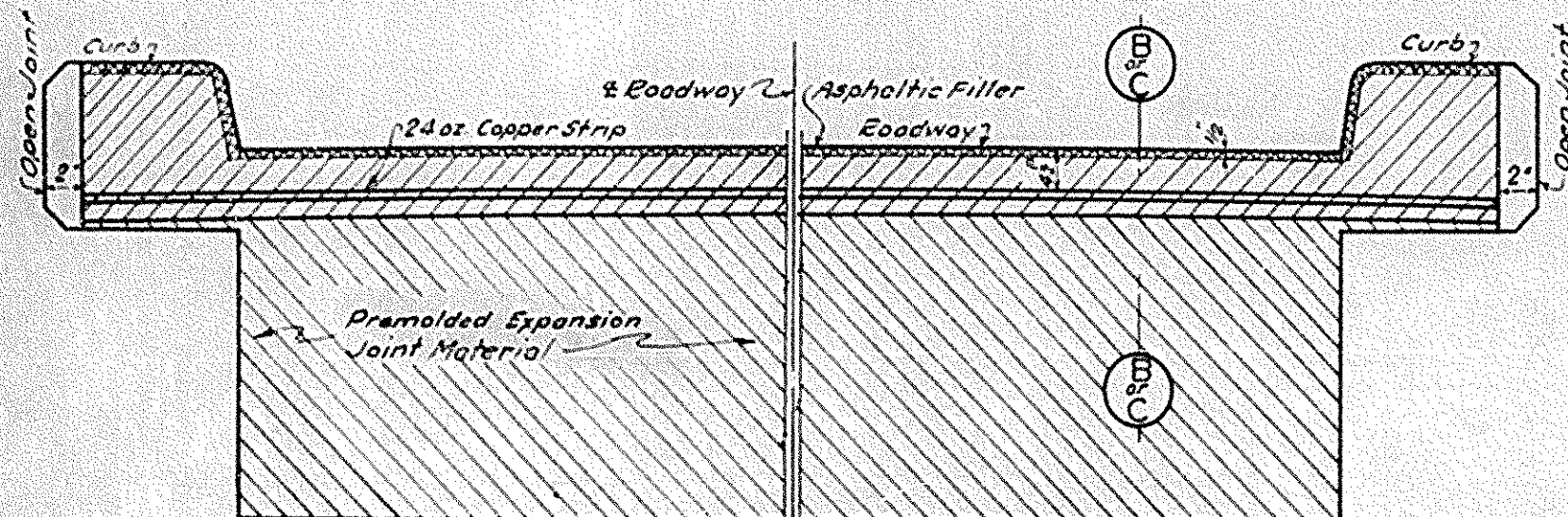
PART PLAN D-D



PART PLAN E-E



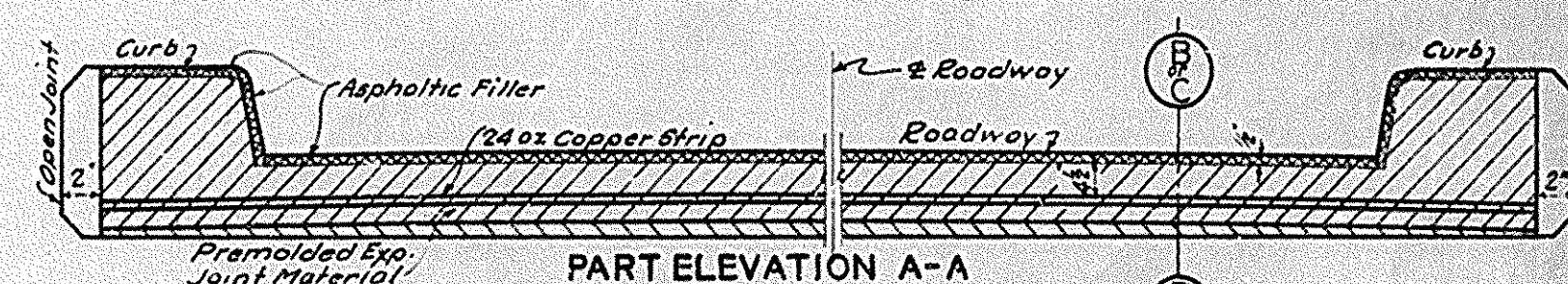
PART PLAN



PART ELEVATION A-A

(For Concrete Deck Girder Spans)

NOTE: Premolded Expansion Joint Material of the thickness shown on plans to be used in joint over area shown as shaded above. Joint to be left open over unshaded areas.



PART ELEVATION A-A

(For Concrete Floor on Steel Superstructure)

TYPICAL EXPANSION JOINT DETAILS

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
**EXPANSION JOINT DETAILS
FOR
CONCRETE BRIDGE FLOORS**

REVISED
-G-351

BRIDGE

NO.	DATE	BY	CHKD.	APPROVED	REVISION
7	EV				

NOTE:—

Welded Steel Wire Fabric or an equivalent Expanded Metal Mesh conforming to the following minimum requirements:

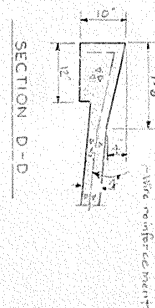
- (1) Not less than #1 pound heavy edge wire fabric composed of #6 and #6 wires, 6" on centers longitudinally, and #6 wires 12" on centers transversely, or
- (2) Not less than #1 pound uniform wire fabric composed of #3 wires 6" on centers longitudinally and #6 wires 12" on centers transversely, or
- (3) Not less than #1 pound uniform wire fabric composed of #6 wires 6" on centers longitudinally and transversely.

All wires to have a nominal diameter of .3065" for #6, .2481" for #3, and .1920" for #4. Minimum lap to be 12" for fabric and 6" for mesh. Fabric and mesh to be placed longitudinally in the direction of greatest span.

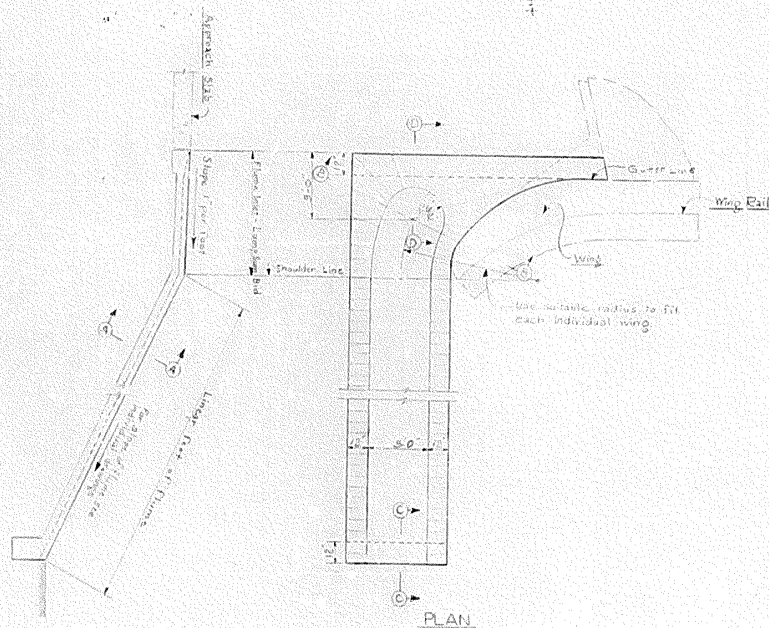
Any excavation, labor or material necessary to install Flume Inlet and Flume to be included in the unit price bid for this work.

Class "A" concrete to be used thru out.

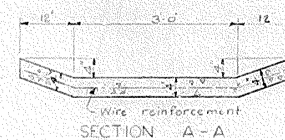
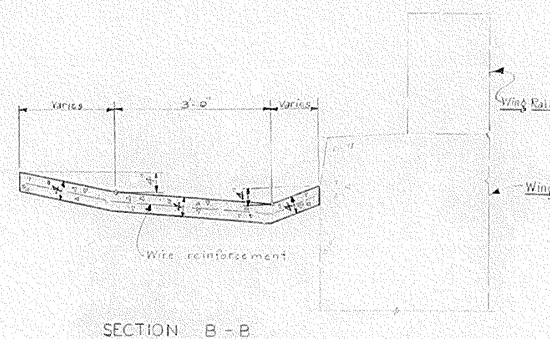
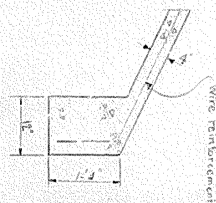
Kentucky Department of Highways, 1956 Standard Specifications with amendments.



ELEVATION



SECTION C-C



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
STANDARD
FLUME INLET
AND FLUME

BRIDGE
NUMBER

SEE PLANS
F1

BRIDGE