

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

BILL OF INCIDENTAL MATERIAL			
ITEM	UNIT	AMOUNT	LOCATION
1/2" Joint Sealing Compound	L.F.	90	Expense Dams

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.

SPECIAL PROVISIONS	STD DRAWINGS
Special Provisions for Linseed Oil Protective Coating, #8	A51 103
Special Provisions for Class "A" Concrete, #35	H150B P17
Special Provisions for Pennyrile Parkway	SF 3 ANS10 332a
Special Provisions for Preformed Joint Sealer, #31	

① Estimated weight Structural Steel (310,490 lbs.) includes lead @ (209 lbs.)
② Estimated weight stud shear connectors 2540 lbs.

PREPARED BY:
VOLLNER OSTROWER INC.
CONSULTING ENGINEERS



KY. 107 OVER PENNYRILE PARKWAY
 SHEET 1 OF 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY

STATION	846+37.04	PROJECT NO.	SP 24-95
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BRIDGE NUMBER	DRAWING NO. 16755
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BRIDGE

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

BILL OF INCIDENTAL MATERIAL			
ITEM	UNIT	AMOUNT	LOCATION
100 lb. Joint Sealing Compound	4.5	90	West Hill Jams

The Bill of Incidenta Material is approximate only and the Contractor is responsible for furnishing enough material to complete the work in accordance with the Plans and Specifications.

SPECIAL PROVISIONS		STD. DRAWINGS
Special Provisions for Unseal'd Protective Coating #8		SE 1 EO 3
Special Provisions for Class AA Concrete #35		
Special Provisions for Gennivrite Parkway		H/BO B DIT
Special Provisions for Preformed Joint Sealant #37		SF 3 HW516 SS2 a

① Estimated weight Structural Steel (340,490 lbs) includes c.s.f. (204 lbs.)
 ② Estimated weight stud shear connectors 25420 lbs.

DESCRIPTION: Added sheet 53. Changed sheets 1A, 3A, 5A & 7A.
Revised Pile Cap of West Abutment. Piles were unable
to be driven due to presence of S.R. ledge approximately
30' below bottom of pile cap elevation.
Revised Quantities to reflect changes

SUBMITTED BY: VOLLMER OSTROWER, INC 3 26 68
RECOMMENDED BY: BRIE TON ENGINEERING CO 4-2-68
RECOMMENDED BY: JURNIKE CONST ENGINEER 4-3-68
APPROVED BY: J. F. Anderson 4-3-68
PROJECTS MANAGEMENT ENGR

Pen 2-2
Constr. Rev. No-3
Sheet 1 of 5

PREPARED BY:
VOLLNER OSTROWER INC.
CONSULTING ENGINEERS



KY. 107 OVER PENNYRILE PARKWAY SHEET # OF 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

CHRISTIAN

PENNYRILE PARKWAY

ROAD

100

STATION 846+32.04 PROJECT NO. SP 24-933-111

BRIDGE NUMBER	DRAWING NO. 14755	PG#
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PRISON

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

BILL OF INCIDENTAL MATERIAL			
ITEM	UNIT	AMOUNT	LOCATION
135 Joint Sealing Compound	L.F.	90	Expenditures

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.

SPECIAL PROVISIONS		STD DRAWINGS
Special Provisions for Unseeded Oil Protective Coating. #8		SE 1
Special Provisions for Class AA Concrete. #35		DE 3
Special Provisions for Pennyrile Parkway		H1305
		P17
Special Provisions for Preformed Joint Sealer. #37		5F 3
		4NS1c
		332a

② Estimated weight stud shear connectors 2380 lbs.

* Final Quantities to be adjusted in accordance with Construction Revision No. 4

CONSTRUCTION REVISION NO.4

DESCRIPTION: *Changed Sheets 13, 33, 93, 103, 113, 133 & 203
Revised East Abut. Brg. Pads & Revised V.C. Length*

SUBMITTED BY: VOLLMER OSTROWER, INC 7/12/68
RECOMMENDED BY: James M. Miller 5/20/68
RECOMMENDED BY: BRIGHTON ENGINEERING CO 7/2/68
APPROVED BY: TURNPIKE CONST ENGINEER 7/2/68
J. A. Anderson 5-24-68
PROJECTS MANAGEMENT ENGR

Pen 2-2
Constr. Rev. No-4
Sheet 1 of 7

KY. 107 OVER PENNYRILE PARKWAY SHEET 13 OF 20

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY

STATION 846+32.04		ROAD PROJECT NO. SP 24-935-1		PEN. 2-2
BRIDGE NUMBER		DRAWING NO. 14755		DWG. NO.

PREPARED BY:
VOLLMER OSTROWER INC.
CONSULTING ENGINEERS



GENERAL NOTES:

REFERENCES: Kentucky Department of Highways, Current Standards with revisions.

CONCRETE: Class "A" Concrete is to be used throughout except in superstructure, that portion of and bents above the construction joint at bridge seat elevation, and handrails.

Class "B" Concrete is to be used in high strength concrete handrail.

Class "AA" Concrete is to be used in roadway slab, curb, plinth and in the end bents above the construction joint at the bridge seat elevation.

DESIGN STRESSES: For Class "AA" Reinforced Concrete
 $f_s = 20,000$ psi
 $f_c = 1,500$ psi
 $u = 200$ psi for embedment
 $u = 200$ psi for summation of perimeters
 $f'_c = 4,000$ psi
 $n = 6$

For Class "A" Reinforced Concrete
 $f_s = 20,000$ psi
 $f_c = 1,500$ psi
 $u = 200$ psi for embedment
 $u = 300$ psi for summation of perimeters
 $f'_c = 3,000$ psi
 $n = 10$

REINFORCEMENT: Dimensions shown from the face of the concrete to the bars are clear distances. Spacing of bars is from center to center of bars.

BEVELLED EDGES: All exposed edges shall be beveled 7/8" unless otherwise shown.

WIND LOADS: This structure is designed using wind loads based on a wind velocity of 84 m.p.h.

LINESEAL OIL PROTECTIVE COATING: The protective coating shall be according to "The Special Provision for Unseed Oil Protective Coating" #8.

FINISHES: A rubbed surface finish shall be used on the exposed concrete surface in accordance with the specifications.

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 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 the concrete takes its final set. The joints shall then be covered with burlap and left completely saturated with water. Flush the joints with 1:2 Portland Cement Mortar just before placing the adjoining sections.

CONSTRUCTION IDENTIFICATION: The names of the prime contractor and the subcontractor shall be imprinted in the concrete with one-inch letters at a location designated by the engineer. The contractor shall furnish all plans, equipment, and labor necessary to do the work.

EXISTING CONSTRUCTION: Should the superstructure contractor disturb any part of the bents, slopes, and other graded areas during erection and construction, he shall be responsible for re-establishing all such disturbed areas at his own expense and to the satisfaction of the engineer.

CRUSHED AGGREGATE SLOPE PROTECTION: Crushed aggregate slope protection shall consist of size No. 1 or atz. No. 2 crushed limestone on slag meeting the applicable requirements of the specifications. The crushed aggregate may be dumped in place. The placing shall be conducted in such a manner as will produce a uniform surface varying not more than 1 1/2 inch in 4 feet from a true plane. Hand placing will not be required other than is necessary to correct irregularities exceeding the specified tolerances. Unless otherwise shown on the plans, the crushed aggregate shall be placed to a depth of 12" measured perpendicular to the slopes. Flush with the embankment slopes under the bridge, shall extend from the face of the abutments or end bents across the bent and down the slope to 2' below the toe of the slope and shall extend laterally to 1 1/2' beyond the outer edges of the superstructure.

DESIGN LOAD: Bridge designed for HS20-44 loading as specified in 1963 AASHTO Specifications.

FOUNDATION PRESSURE: Footings are designed for a maximum pressure of 20,000 psf and piles are designed for a maximum load of 70 tons per pile. These maximums are for Group I loading with increases allowed for other loading.

ANCHOR BOLTS: The contractor shall be responsible for keeping holes dry in wet and freezing weather. At the time of setting, anchor bolts are to be heated to a blue to assure free flow of lead to bottom of hole.

BEARING PLATES: Bearing plates must be true and free of warp.

TYPE OF PILES: The contractor shall use the following type throughout: 12 HP 53 steel piles, Standard Drawing P 17.

HIGH STRENGTH HANDRAIL: The contractor shall provide High Strength Concrete Handrail in accordance with Standard Drawing H150B.

PILING: Piling shall be driven to refusal or to sustain a minimum load of 70 tons per pile. Test piles shall be driven where designated on the plans to determine the length required. All test piles shall be accurately located so that they may be used in the finished structure.

DRIVING PILING: Cored holes through embankments may 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.

END BENT BACKFILL: See Standard Drawing No. BPI.

TEMPORARY SUPPORTS: For composite beams temporary supports or shoring will not be permitted under the steel girders when pouring the concrete floor slab or when making top of steel elevations.

TYPE OF SHEAR CONNECTIONS: The contractor shall use 3/4" x 4" studs throughout.

SHEAR CONNECTIONS: "Lump Sum" bid for shear connections shall be full payment for all shear connections, welding and welding materials, patent royalties, and materials necessary to field weld or shop weld the shear connections in place in accordance with the plans and specifications.

PAINTMENT FOR 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, molten 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.

ADDITIONAL FIELD SPICES: If additional field splices are permitted, they shall be at the contractor's expense and shall be included in the lump sum bid for structural steel.

CAMBER: Web plates shall be cut to provide for parabolic camber of the girders. Provide for possible warpage due to the extra heat in the top flange by virtue of shear connections.

PROHIBITED FIELD WELDING: Except as shown on the plans, no welding of any nature shall be performed on the load carrying members of the bridge without the written consent of the Director, Division of Bridges, or his authorized representative, and then only in the manner and at the locations designated in the authorization.

MILL TEST REPORTS: Material test reports in triplicate shall be furnished the Kentucky Department of Highways, showing that all materials furnished conform to the specifications.

STEEL FINISH: Steel bearing surfaces in contact shall be finished in accordance with Section 106.3.1 of the specifications.

DIMENSIONS: Dimensions shown on the design drawings are for a normal temperature of 60°F with dead load on the structure.

SHOP PLANS: The contractor shall submit shop detail plans in accordance with the specifications.

SHOP ASSEMBLY: General reaming of holes for each field splice shall be required with all parts for each splice completely shop assembled with parts adjusted to line and center, fit for drilling and reaming. This applies to field splices in girders only. Girders shall remain assembled for inspection by the Department of Highways Inspection and are to be match-marked while assembled. Welder connections to cross frames shall be drilled or reamed in the shop with connecting parts assembled, or shall be drilled and reamed to a metal template without assembly. Lateral bracing, stringer connections, expansion dams and other minor members may be punched or drilled full-size without assembly, subject to the requirements in the specifications for general reaming.

FIELD CONNECTIONS: High strength steel bolts shall be used in all field connections in accordance with current specifications, except assembly and dimensions of high strength bolts, nuts and washers shall conform to "Specifications for Structural Joints using ASTM A325 Bolts", March, 1960, approved by the Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation. All joints are designated as friction-type connections. Installation shall be performed by using the turn-of-nut method. When the width of high strength bolt heads corresponds to that of the heavy semi-finished hexagon nut only one washer per bolt is required.

Open holes shall be 15/16" diameter for 7/8" diameter bolts; 1 1/16" diameter for 1" diameter bolts; 1 3/16" diameter for 1 1/8" bolts; and 1 9/16" diameter for 1 1/2" bolts.

Where field welding is indicated, welding shall be performed in accordance with the specifications for welding materials and welding. Welding procedures shall be submitted by the erector to the Department of Highways for approval.

PAINT: All structural steel shall be given one shop coat and one field coat of Type I red lead paint and two field coats of aluminum paint. Exposed surfaces of expansion dams, not accessible after erection shall be given two field coats of aluminum paint before erection. 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. Cleaning of weld spatter from welded assemblies in accordance with AWS 4.13 (a) shall be required before assemblies are shop painted. Shop paint shall not be applied where field welding is to be done. Areas not painted in the shop shall be given one coat of Type I red lead as touch up prior to application of the field coat of red lead paint. Individual field coats shall be tinted to faithfully indicate the progress of field painting.

MATERIALS: ASTM Specifications hereinafter designated shall govern the materials furnished:

MATERIAL	ASTM DESIGNATION
A-36-63T	Structural Steel
A-325-65	High Strength Bolts, Nuts, and Washers
E-29-55	Lead Plates and Molten Lead
A-233-60T	Mild Steel Arc-Welding Electrodes for Manual Shielded Metal Arc-Welding

WELDING MATERIAL: Welding material shall conform to The American Welding Society Standard Specifications for Welded Highway and Railway Bridges, current specifications and subsequent adopted amendments.

FORM WORK: The contractor shall remove all form work from inside abutment. It is permissible to leave a temporary 2'-0" square opening thru the abutment parapet and wall to permit the removal of form lumber. Any such opening shall be closed after the forms are removed.

KY 107 OVER PENNYRILE PARKWAY SHEET 2

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY

STATION 846+32.04 PROJECT NO. SP 24-935-11J

BRIDGE NUMBER 16755

GENERAL NOTES

REQUIRED BY: <u>BP</u>	CHECKED BY: <u>FL</u>	REVISED: <u>See Page Next Page</u>	DATE: <u>12-2-5</u>
DRAWN BY: <u>D.S.</u>	CHECKED BY: <u>DET</u>	REVISED: <u>Vertical Curve Length</u>	DATE: <u>Jan 5-5</u>
THICK BY: _____	CHECK BY: _____	REVISED: _____	DATE: _____

PLAN
(Superstructure Removed)

ELEVATION

Note: 125'-3" x 93'-6" Continuous Plate Girder spans
at 22'-20" 09.4' Span, 2:1 Fill Slopes. Design Loading
HS 20-44 as specified in the 1961 AASHTO Specifications.
Plate girders are designed for composite action
in areas of positive bending moment.

TYPICAL SECTION

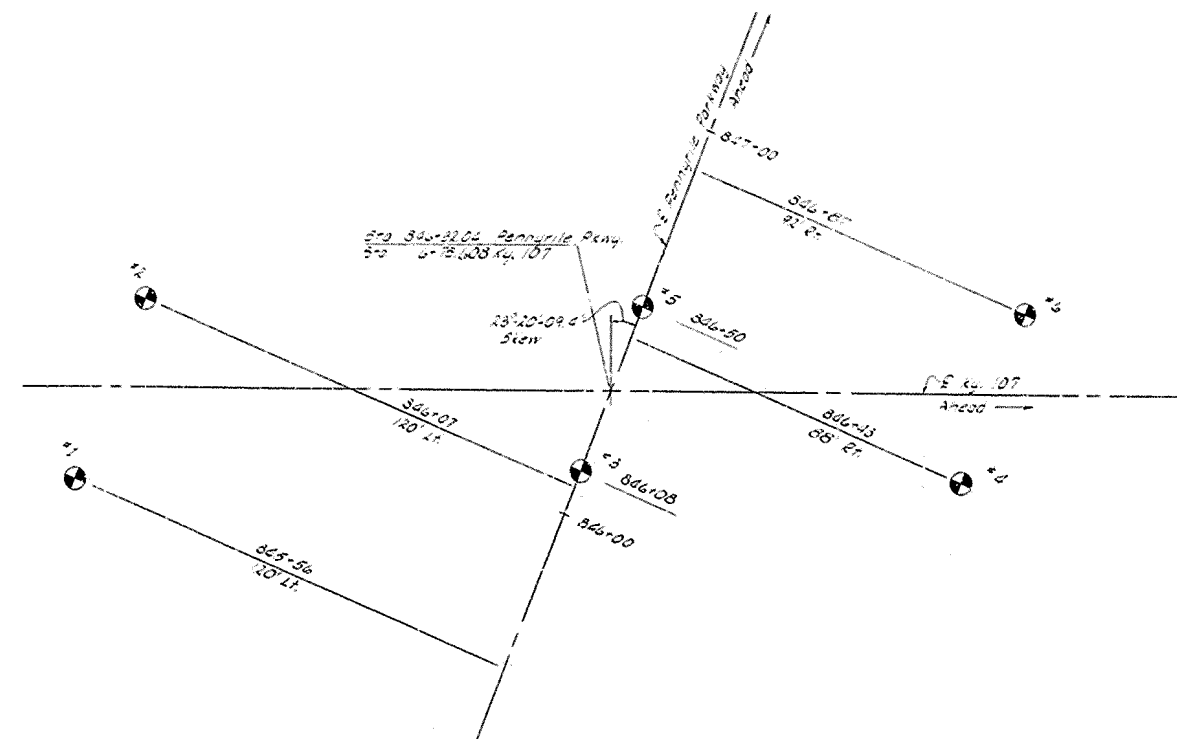
DEN 2-2
Constr. Rev. No. 4
Sheet 2 of 7

KY. 107 OVER PENNYRILE PARKWAY SHEET 30

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY
ROAD

STATION 846+32.04		PROJECT NO. SP 24-935-IL1	
BRIDGE NUMBER		DRAWING NO 16755	PRICE

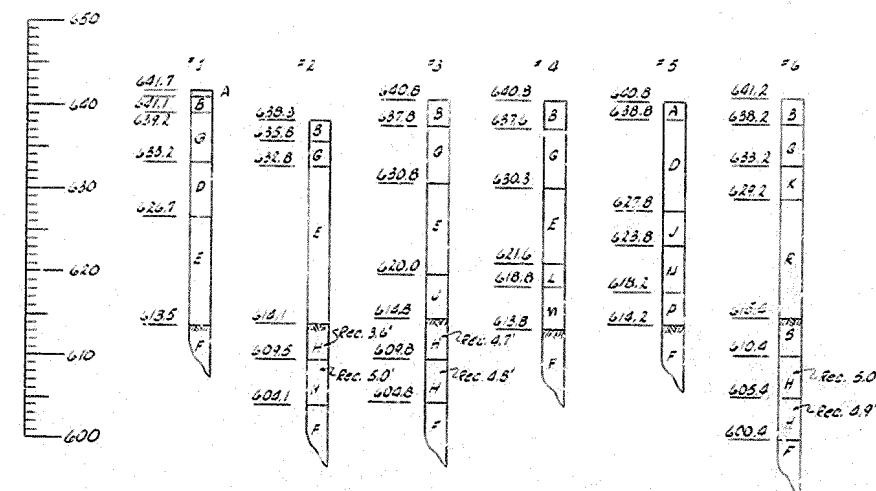
LAYOUT



SOUNDING LAYOUT

LEGEND

- A. Road Gravel
 - B. Silty loam moist to medium
 - C. Silty Clay moist to damp med. to stiff, conc.
 - D. Silty Clay damp, stiff to very stiff, small rock frag.
 - E. Rock (Refusal)
 - F. Silty Clay moist to medium, sim. conc., small rock frag.
 - G. Limestone & Shale
 - H. Silty Clay damp to very stiff, conc.
 - I. Silty Clay moist to stiff
 - J. Clay moist wet medium to stiff
 - K. Silty silty Clay
 - L. Silty clay damp to loose
 - M. Clay moist to wet, soft to medium
 - N. Clay, stiff, small rock frag.
 - O. Limestone with clay cavities
- Indicates top of rock

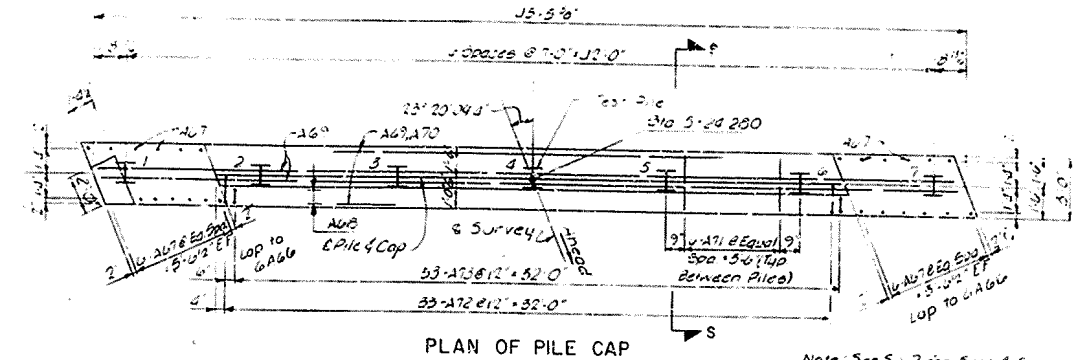
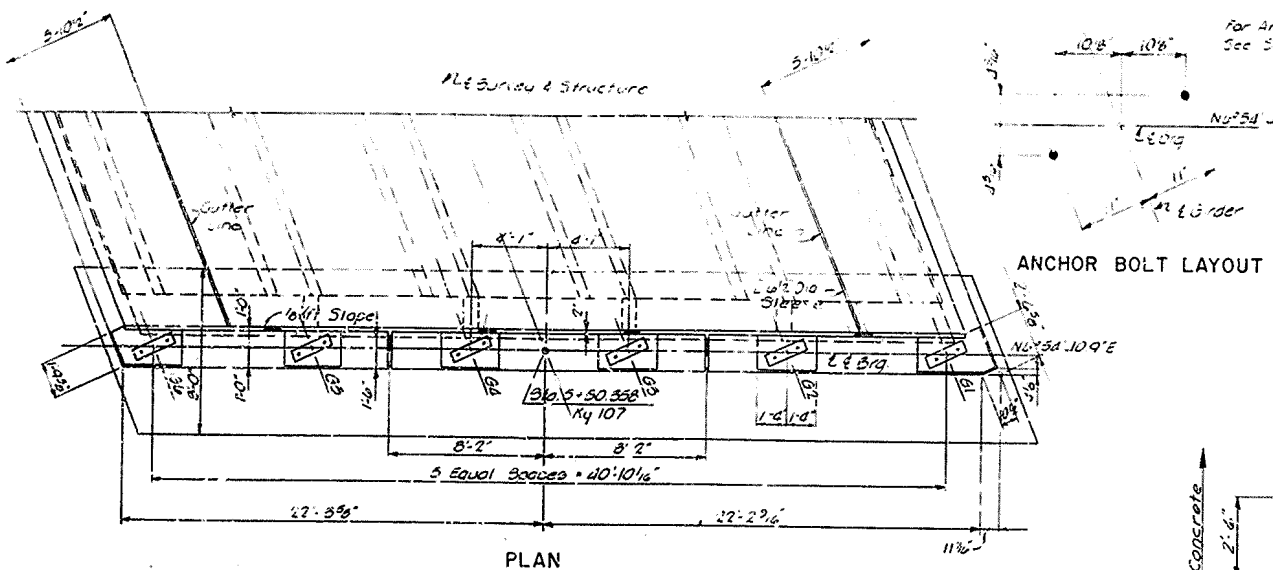


SOUNDING LOG

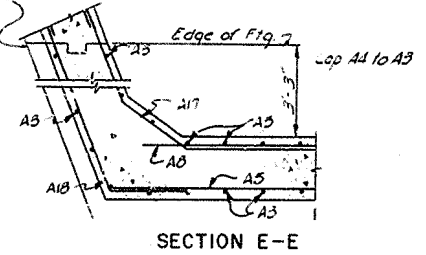
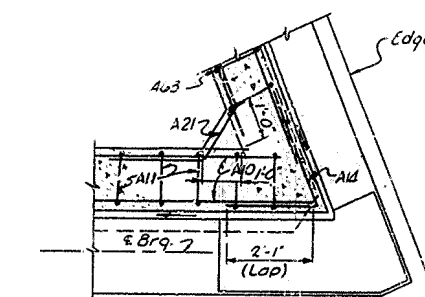
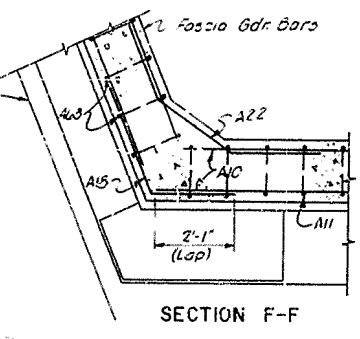
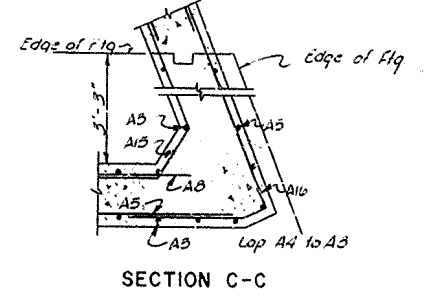
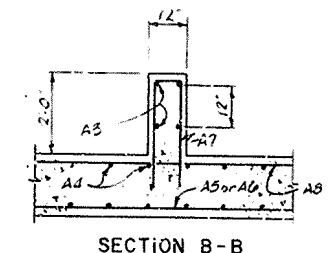
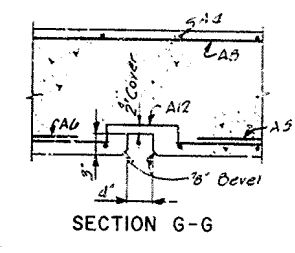
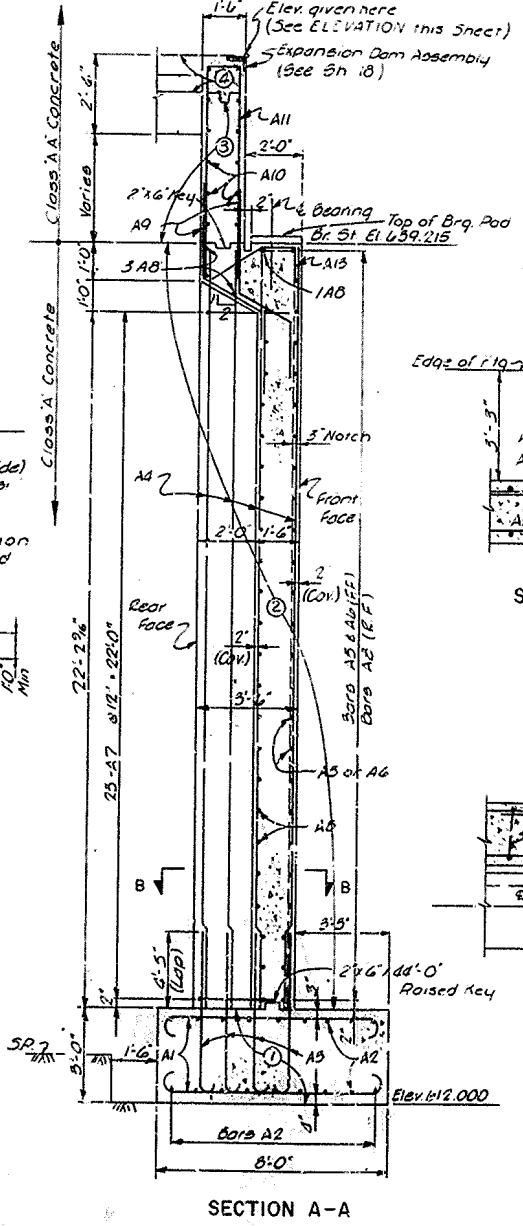
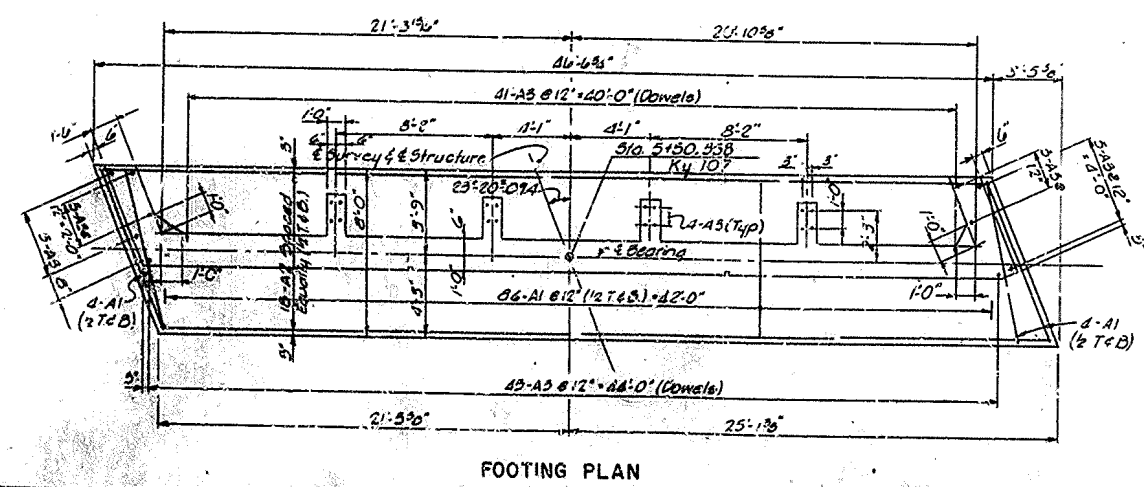
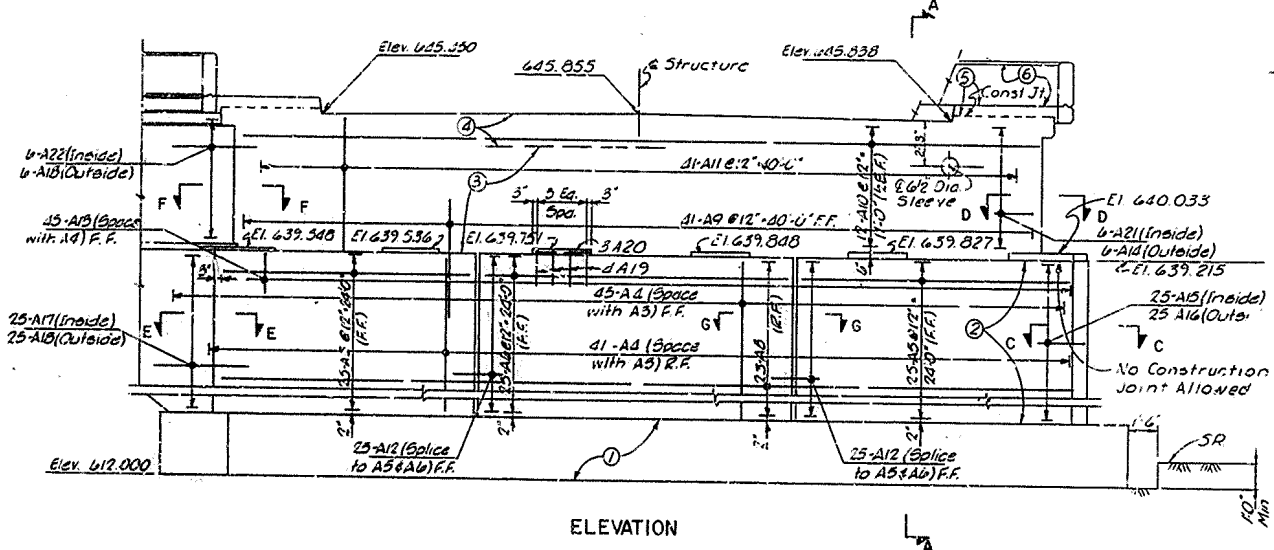
SOUNDINGS

KY. 107 OVER PENNYRILE PARKWAY		SHEET 4	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
CHRISTIAN			
PENNYRILE PARKWAY			
ROAD			
STATION 846+32.04		PROJECT NO. SP 24-935-111	
BRIDGE NUMBER	16755	SHEET	

PROJ. ROAD DIST.	STATION	PROJ. AD. NO.	SCALE	SHEET NO.	TOTAL SHEETS
7	XY.				



Note: See Sht. 7 for Sect. 5-5

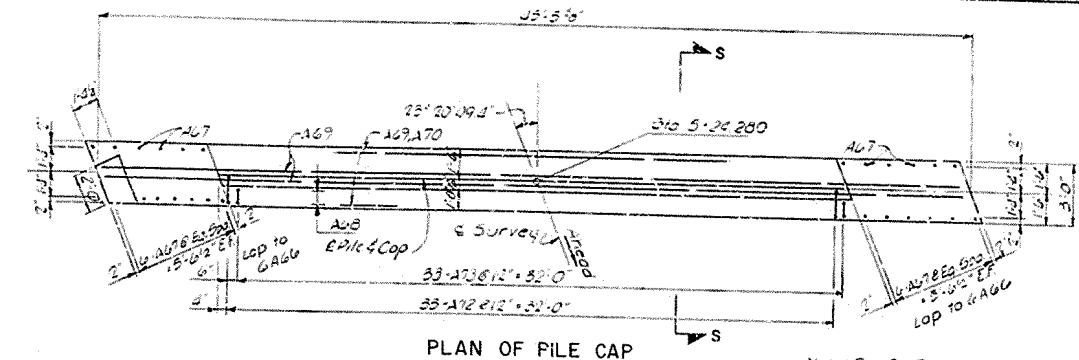
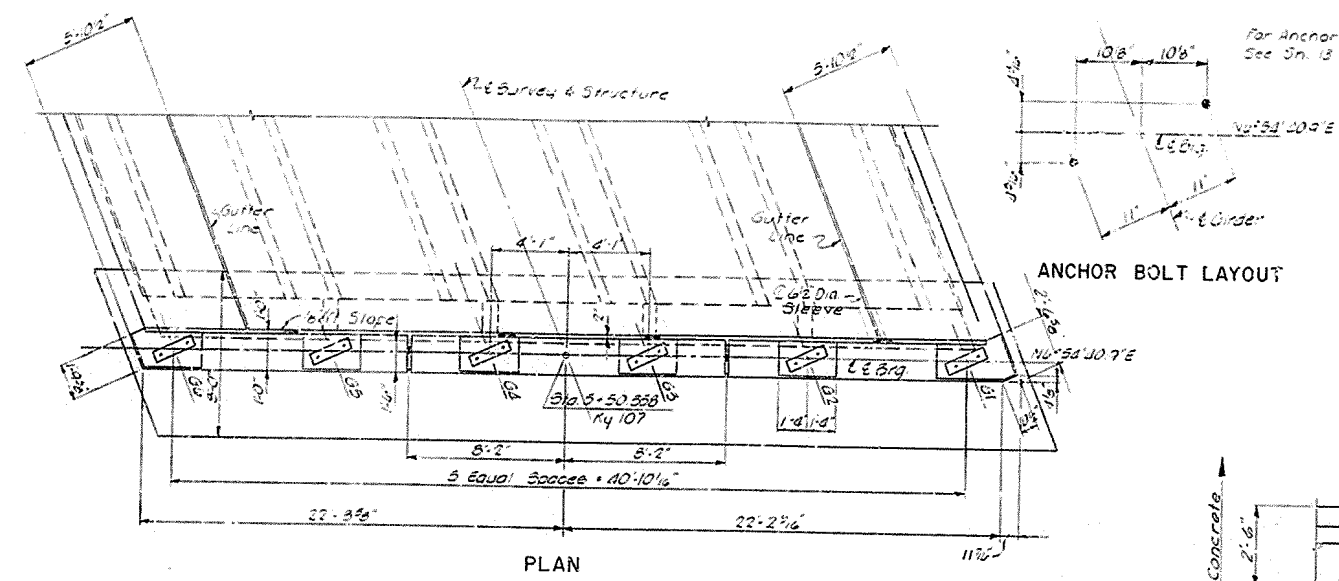


SECTION D-D
Note: For Construction Procedures See Sheet 11

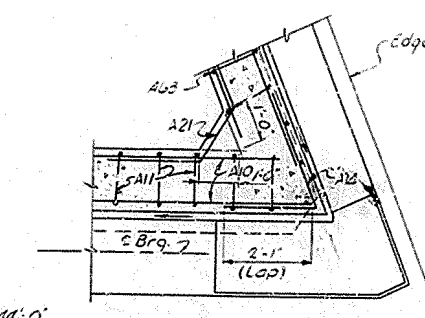
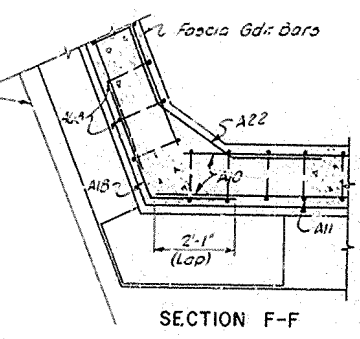
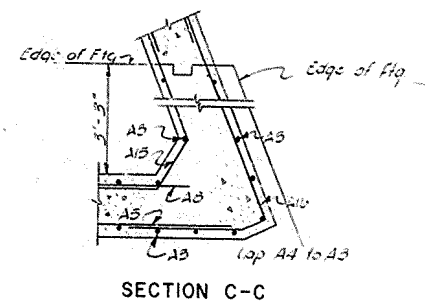
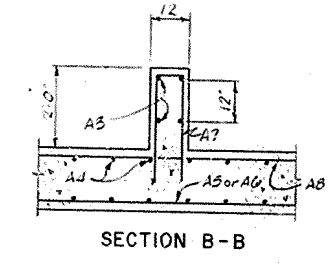
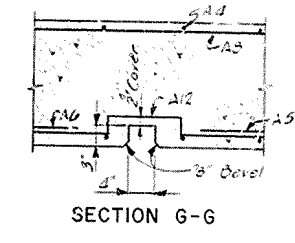
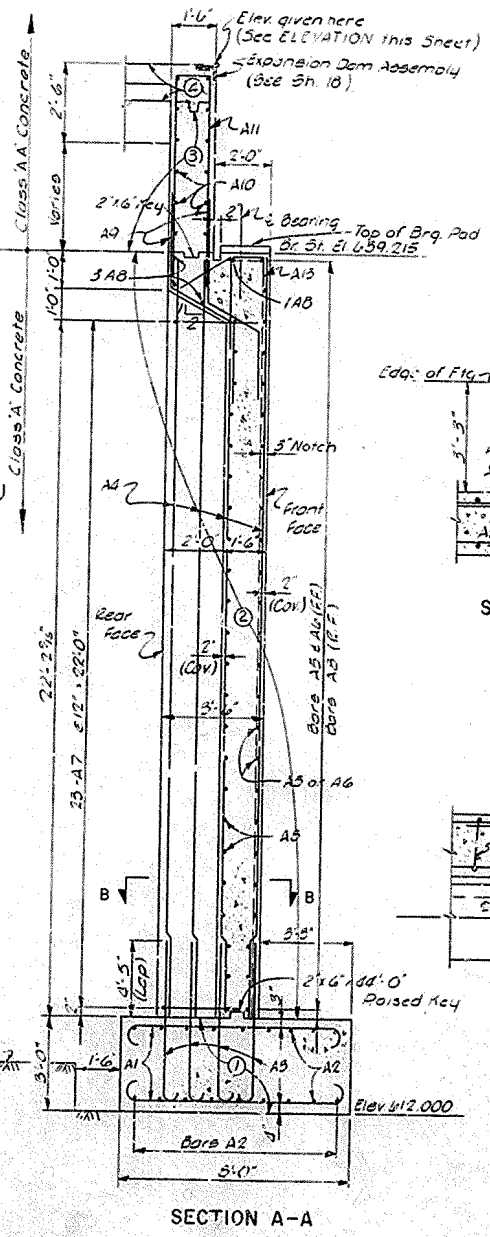
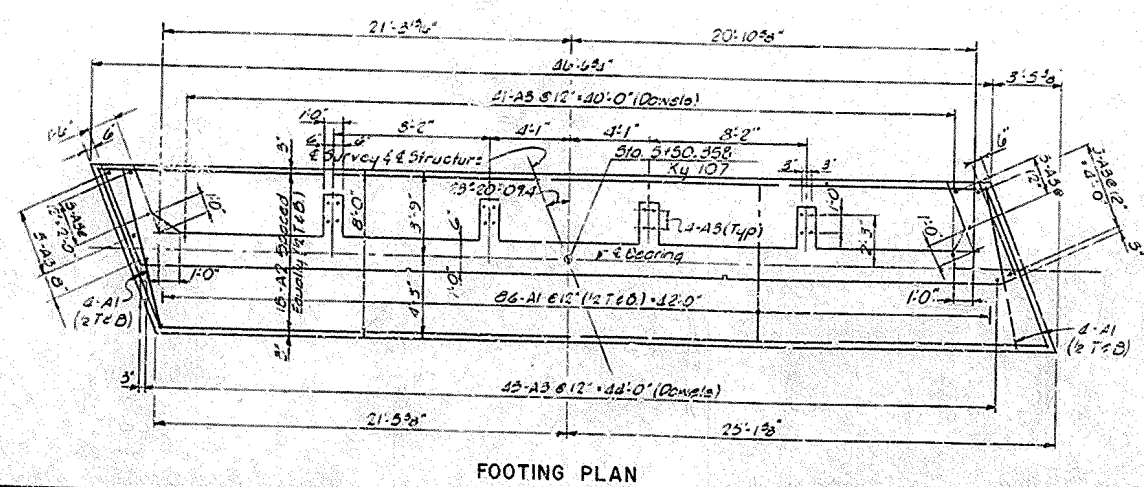
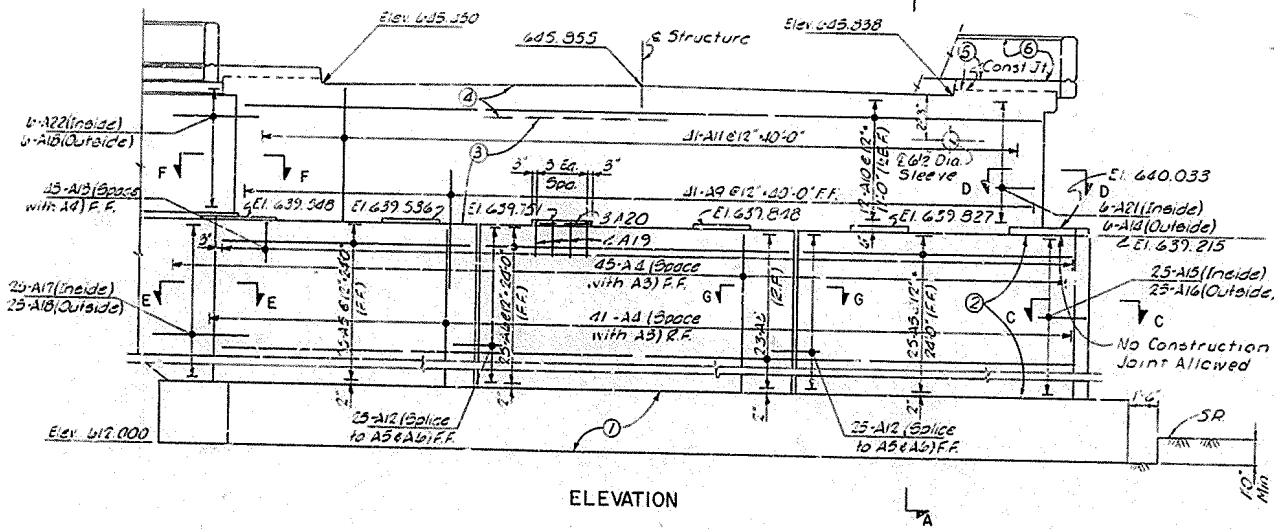
KY 107 OVER PENNYRILE PARKWAY
 SHEET 5
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 CHRISTIAN
 PENNYRILE PARKWAY
 ROAD
 STATION 846+32.04 PROJECT NO. SP 24-535-111
 BRIDGE NUMBER 16755

BRIDGE

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



Note: See Sn. 7 for Sect. 5-5
For strip spacing &
additional details, see sn. 34.



SECTION D-D
Note: For Construction
procedures See
Sheet 11

Pen 2-2
Constr. Rev. No. 3
Sheet 3 of 5

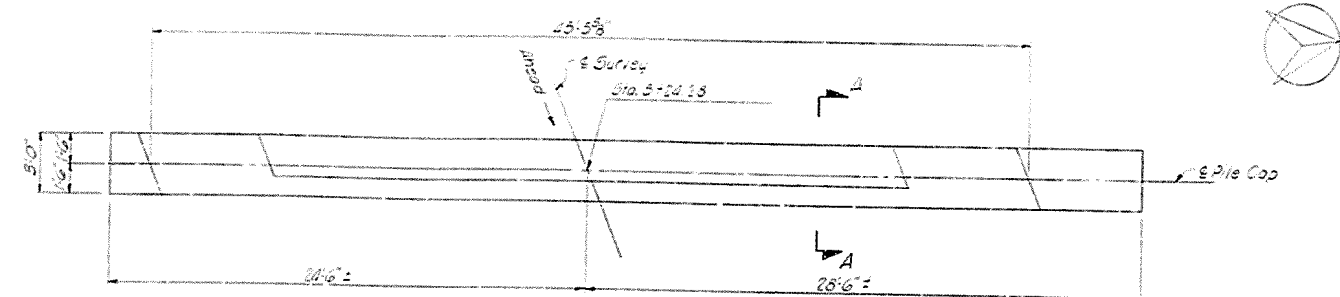
KY 107 OVER PENNYRILE PARKWAY SHEET 54

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY
ROAD

STATION 846+32.04 PROJECT NO. SP 24-935-11.1

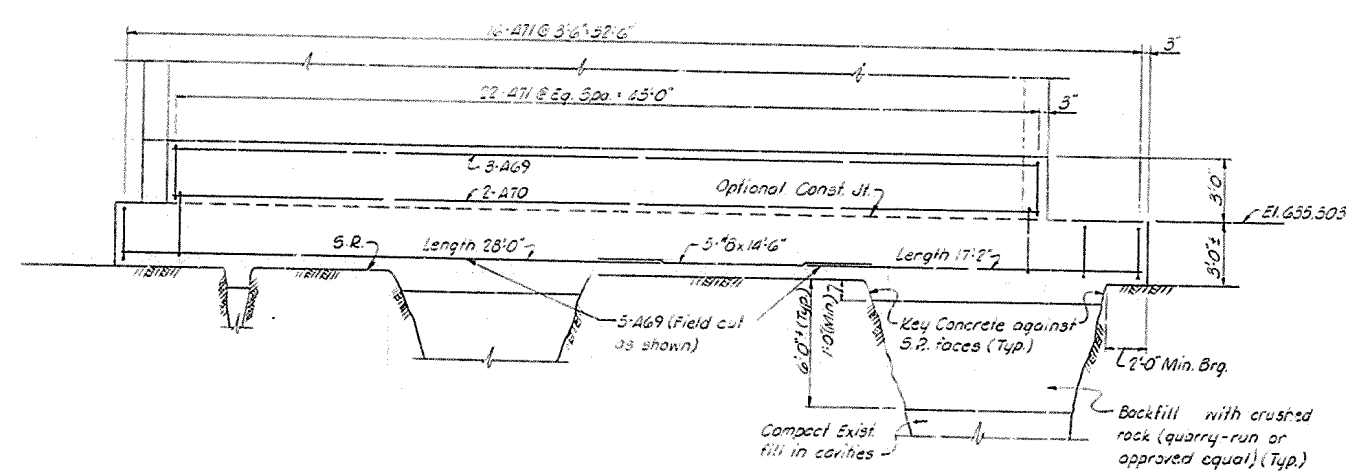
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FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



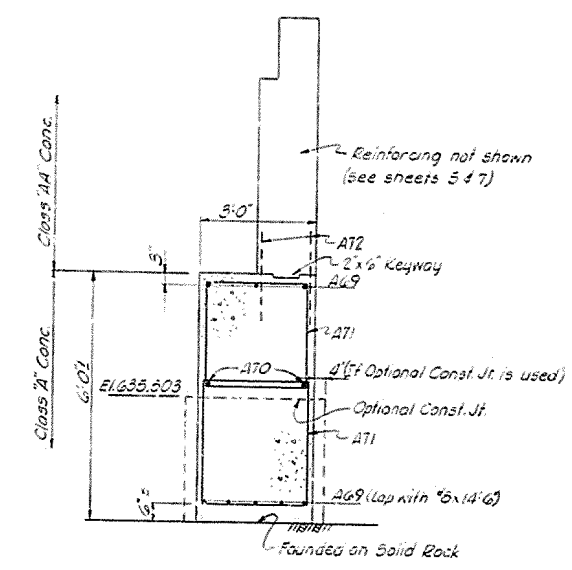
PLAN OF PILE CAP

Note: For dimensions and details not shown see Sheet 5 of Drawing No. 16755.



ELEVATION

Additional Reinforcement 5 #A9 @ 14'-6" Weight = 194#

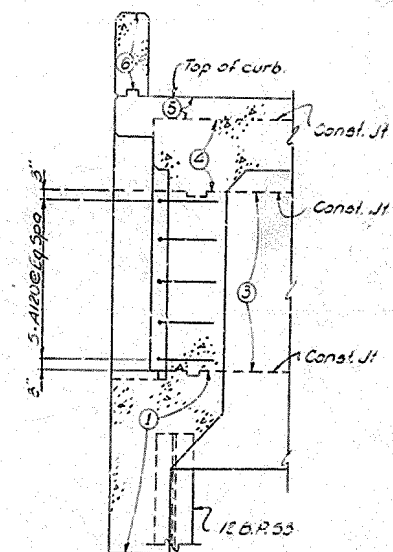
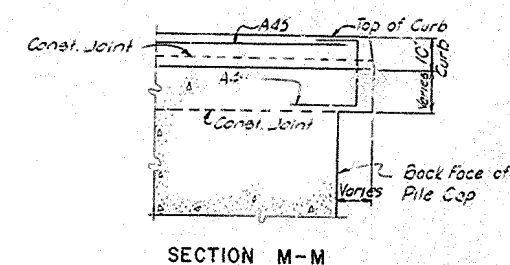
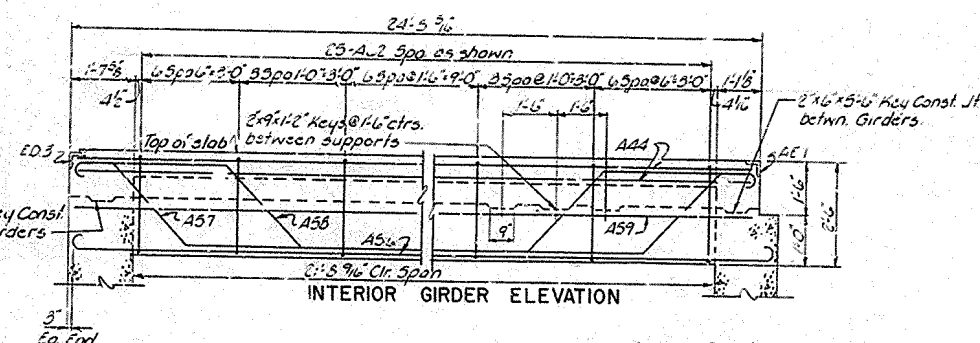
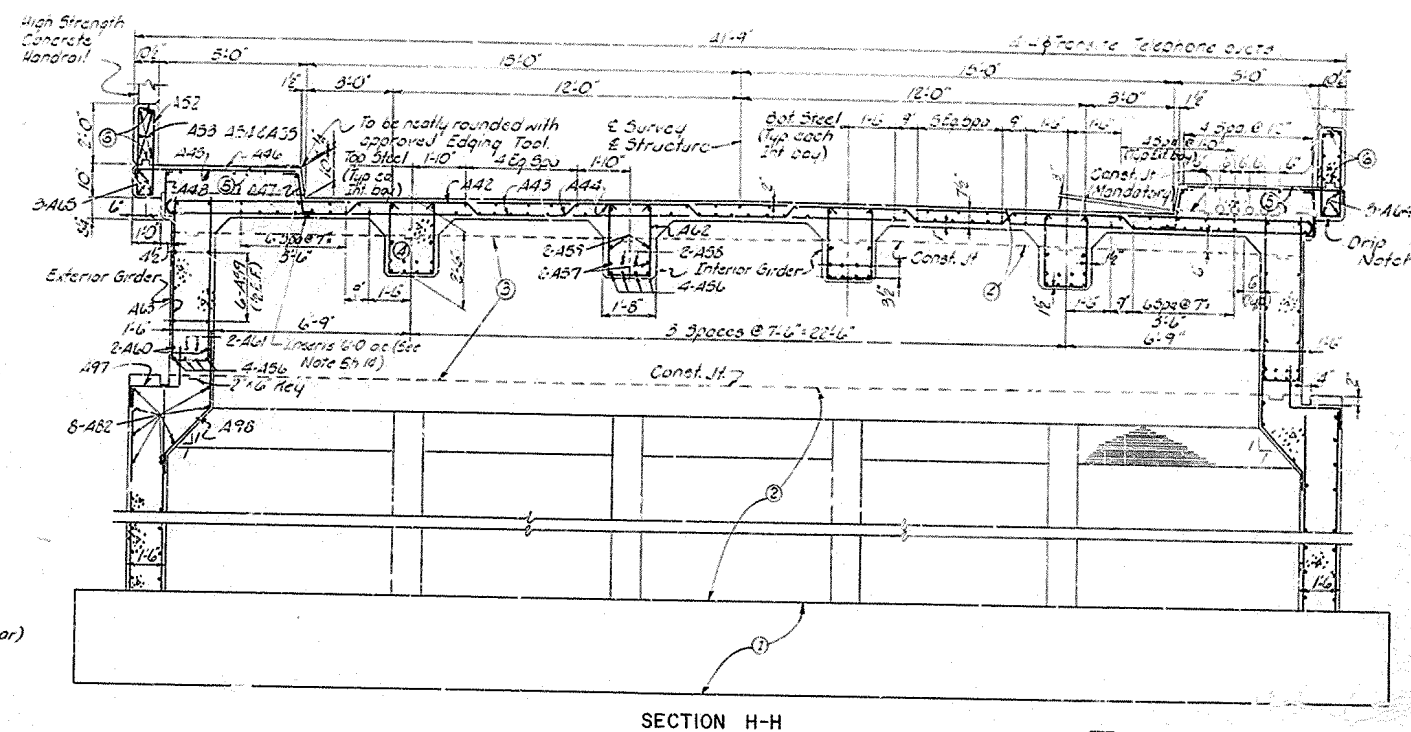
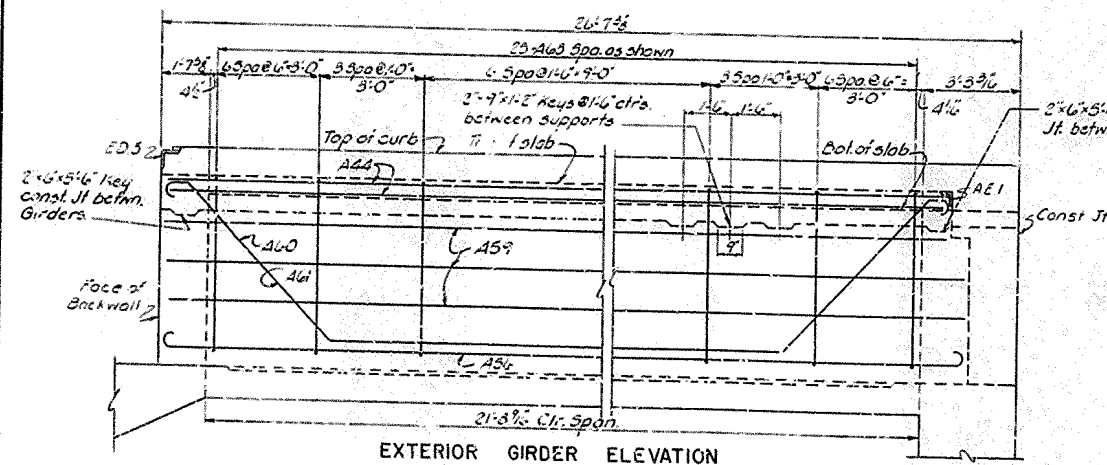
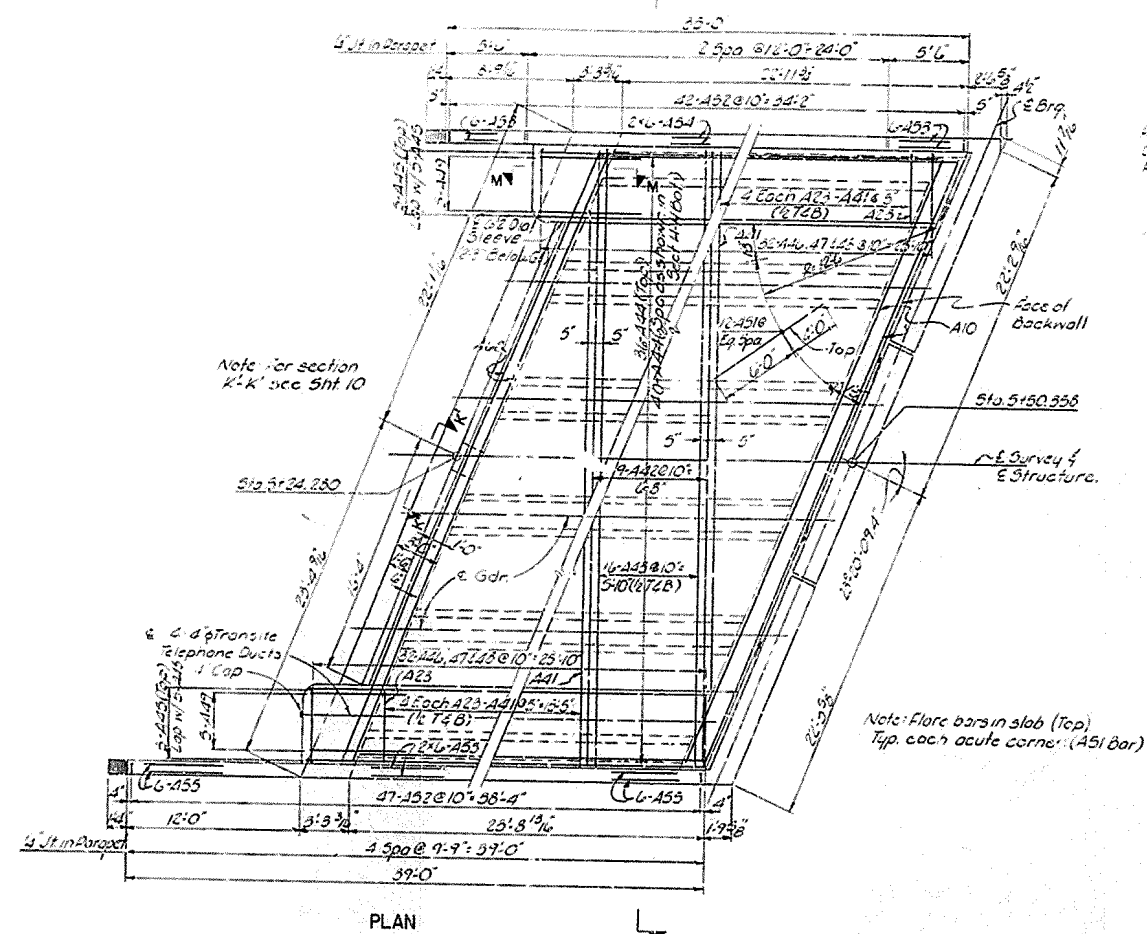


SECTION A-A

Rev 2-2
Constr. Rev. No. 3
Sheet 4 of 5

KY 107 OVER PENNYRILE PARKWAY		SHEET 5B	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
CHRISTIAN			
PENNYRILE PARKWAY			
ROAD			
STATION 845+32.04		PROJECT NO. SP 24-935-11.1	
BRIDGE NUMBER	16755	DRAWN BY	16755

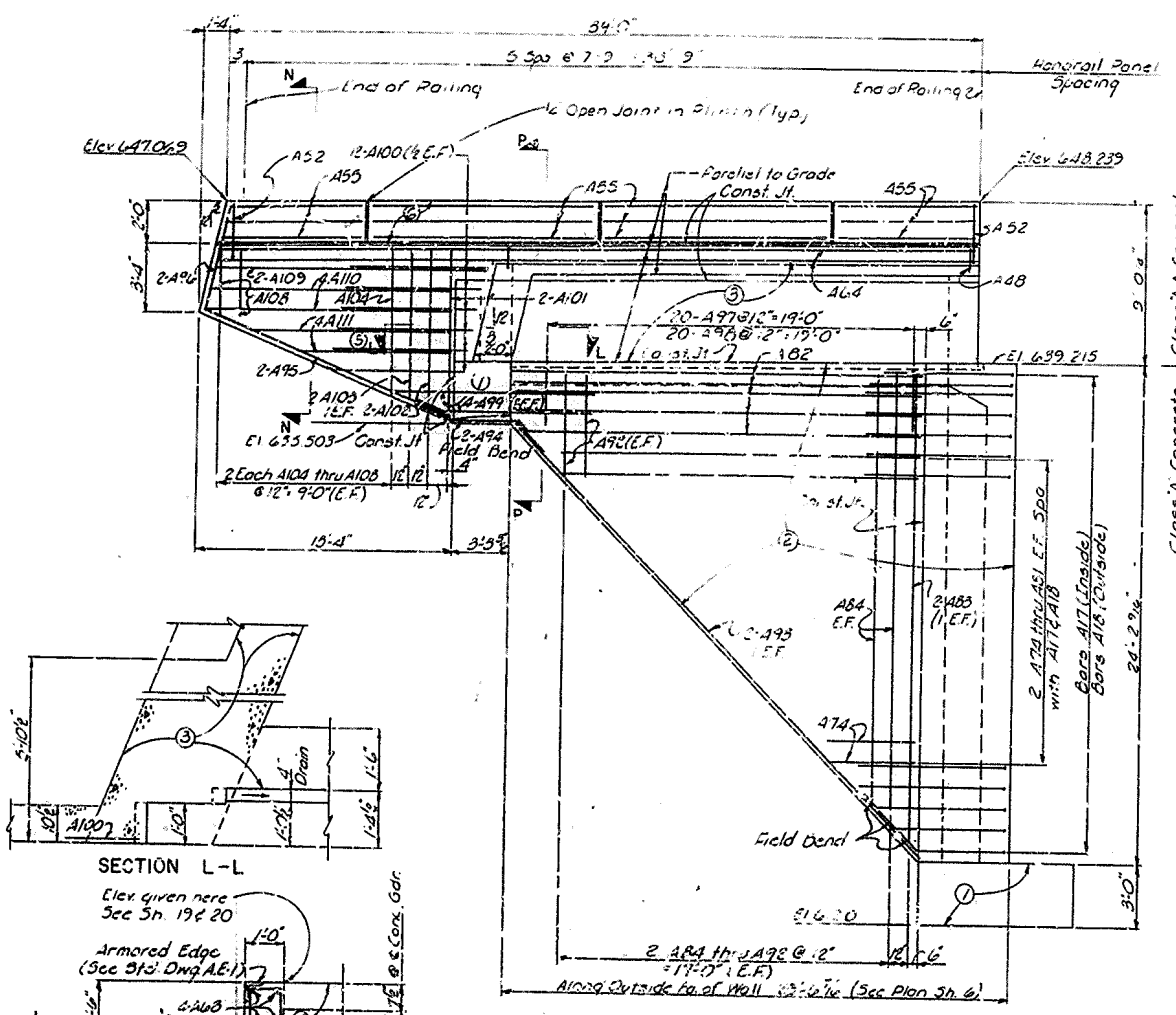
WEST ABUTMENT



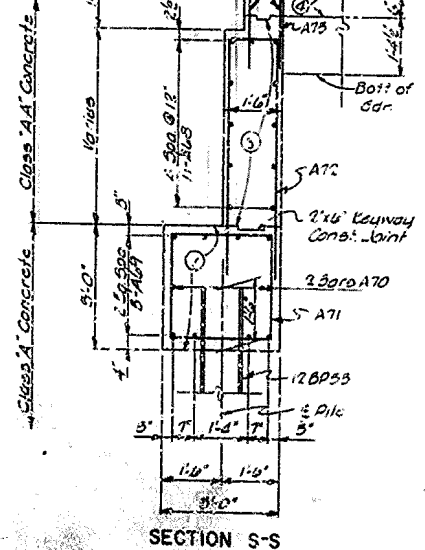
SECTION P-P (See S'n 7 S.W. Wing)

KY. 107 OVER PENNYRILE PARKWAY SHEET 6

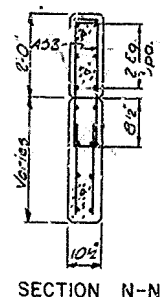
WEST ABUTMENT



SECTION L-L
Elev given here
See Sh. 19 & 20
Armored Edge
(See Sh. 19 & 20)



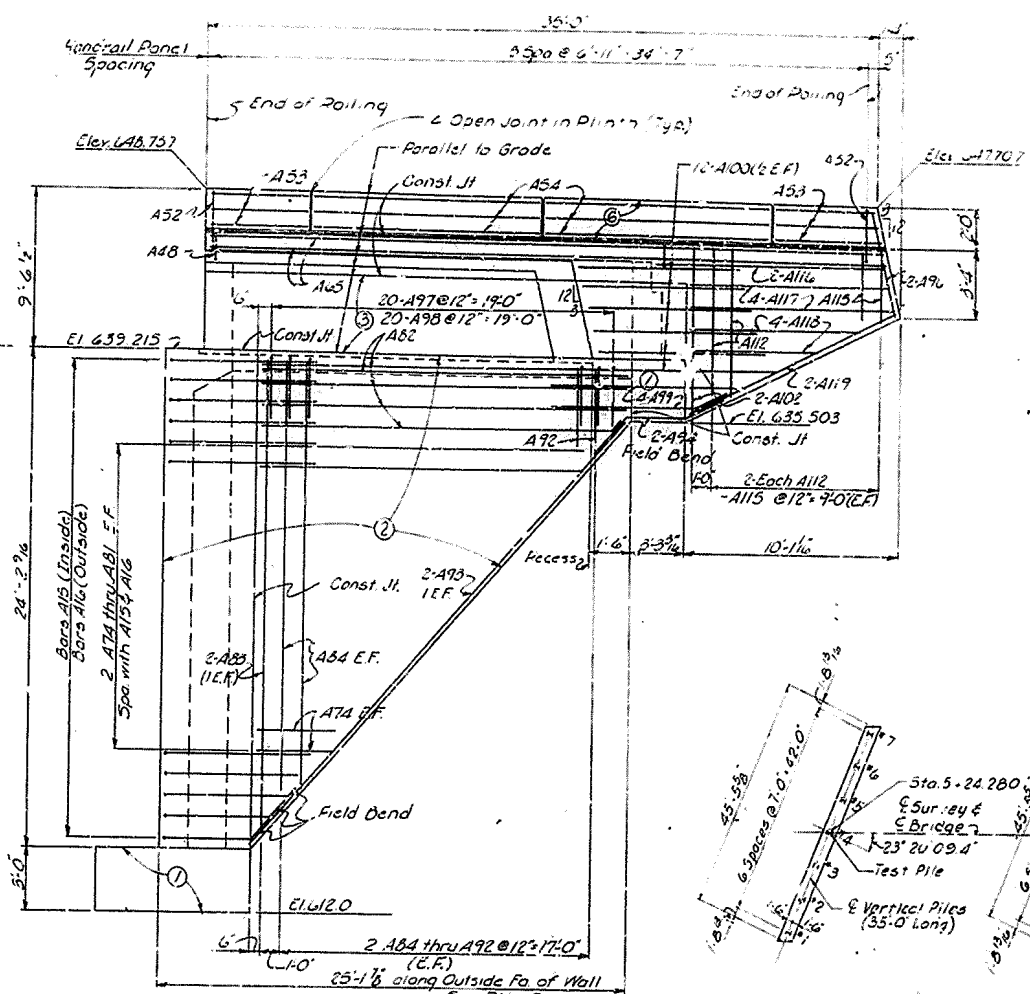
SECTION S-S



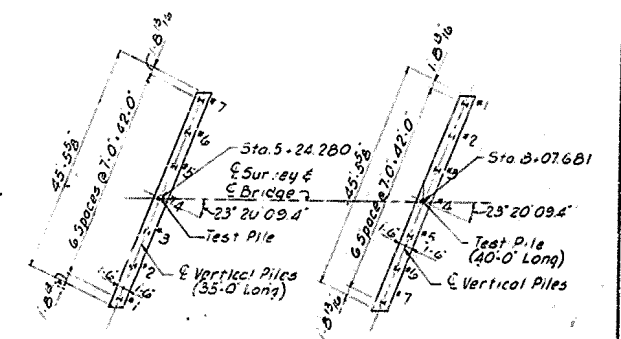
SECTION N-N

SOUTHWEST WINGWALL

PILE RECORD				
LOCATION	PILE NO.	CUT-OFF ELEVATION AS SHOWN	TIP OF PILE ELEVATION AS DRIVEN	PILE LENGTH IN PLACE (LIN. FT.)
West Abut.	1	637.00		
"	2	"		
"	3	"		
"	4	"		
"	5	"		
"	6	"		
"	7	"		



NORTHWEST WINGWALL



PILE LAYOUT

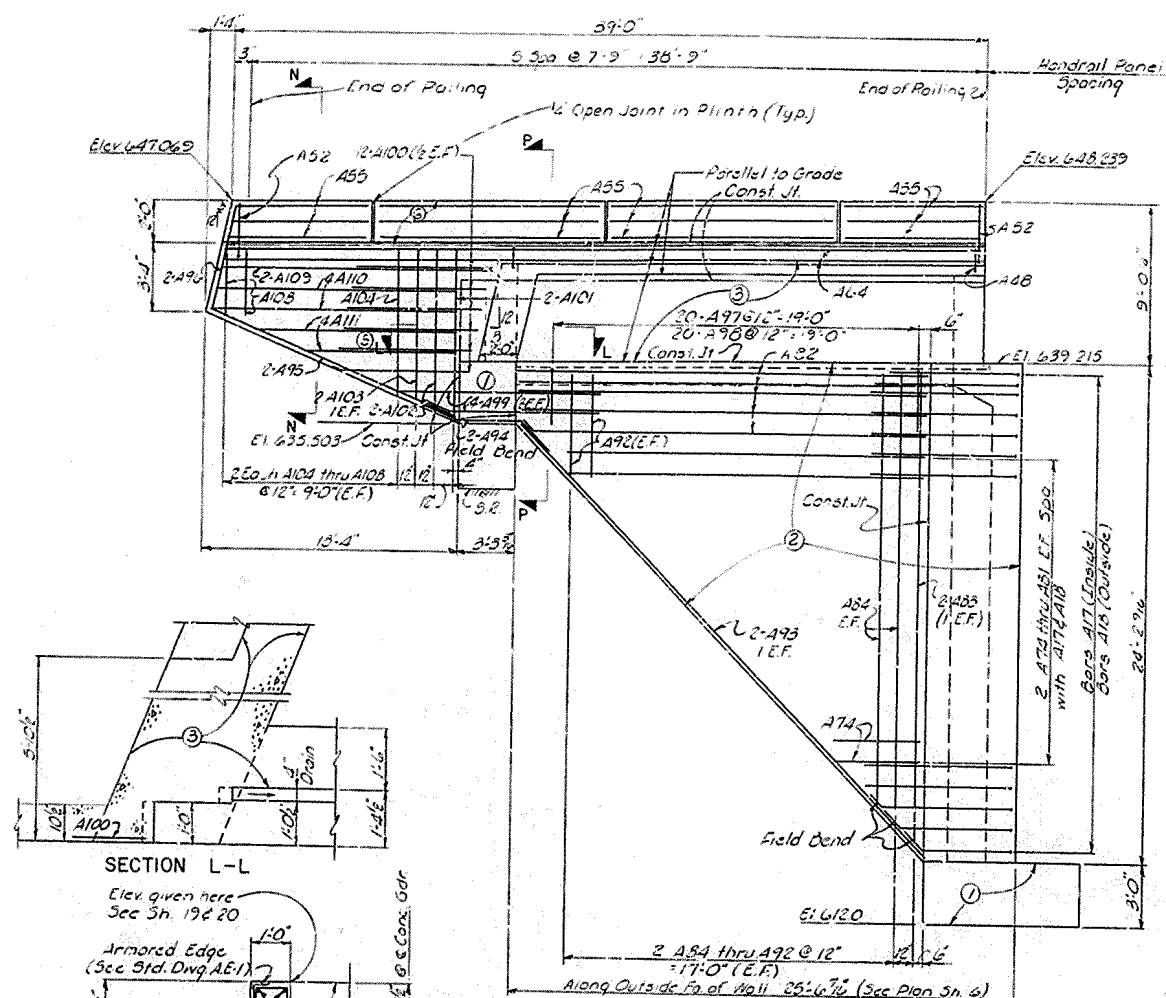
KY 107 OVER PENNSYLVANIA PARKWAY SHEET 7

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNSYLVANIA PARKWAY
ROAD
STATION 846+32.04 PROJECT NO. SP 24-935-111

BRIDGE NUMBER 16755

WEST ABUTMENT

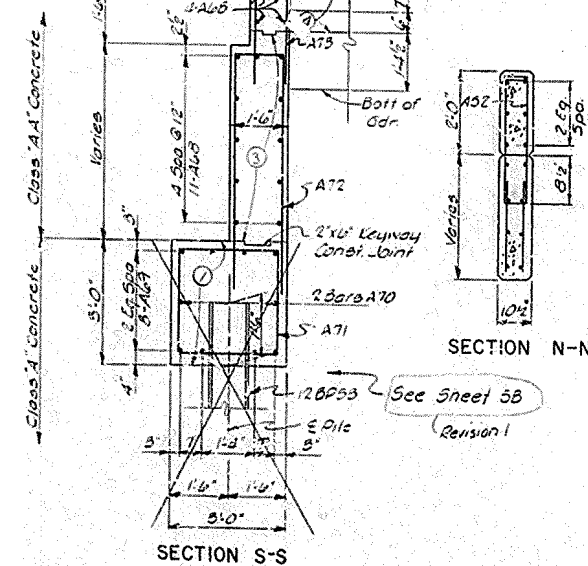
BRIDGE



SECTION L-L

Elev given here
See 3h. 19620

Armored Edge
(See Std. Dwg. A.E.1)

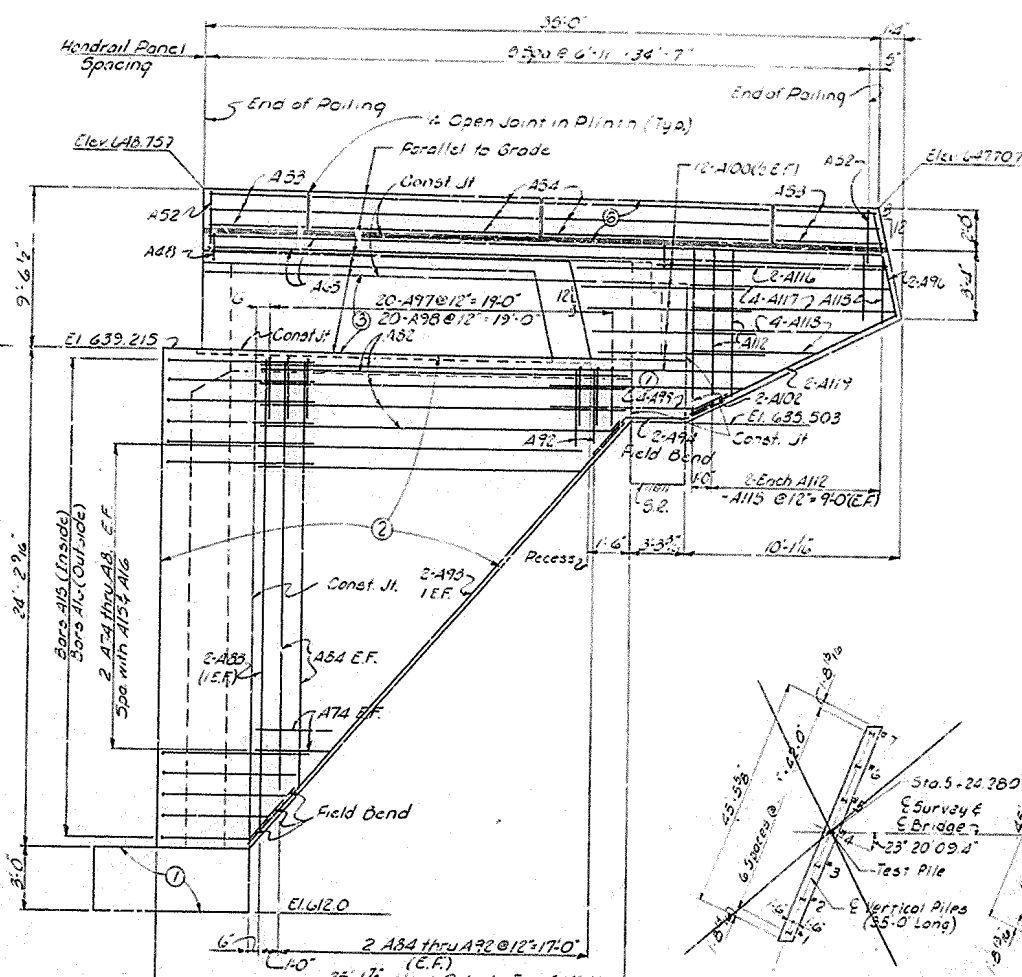


SECTION S-S

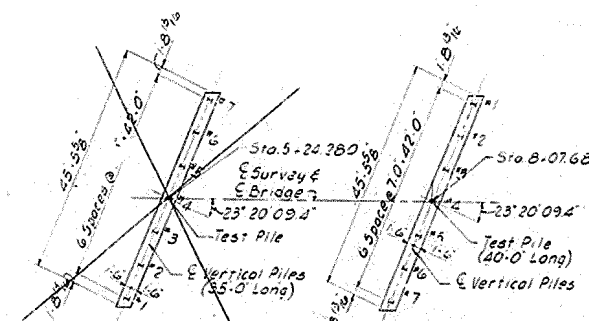
SECTION N-N

SOUTHWEST WINGWALL

PILE RECORD				
LOCATION	PILE NO.	CUT-OFF ELEVATION AS SHOWN	TIP OF PILE ELEVATION AS DRIVEN	PILE LENGTH IN PLACE (FT.)
West Abut	1	637.00		
"	2			
"	3			
"	4			
"	5			
"	6			
"	7			



NORTHWEST WINGWALL



PILE LAYOUT

Pen 2-2
Constr. Rev. No. 3
Sheet 5 of 5

KY. 07 OVER PENNYRILE PARKWAY SHEET 74

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY
ROAD

STATION 846+3204 PROJECT NO. SP 24-935-IL1

BRIDGE NUMBER 16755

WEST ABUTMENT

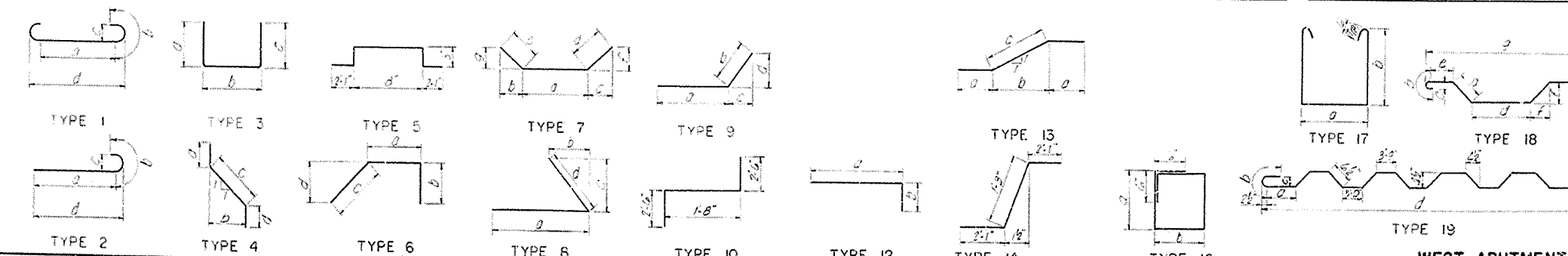
BILL OF REINFORCEMENT

7 KY. 16755

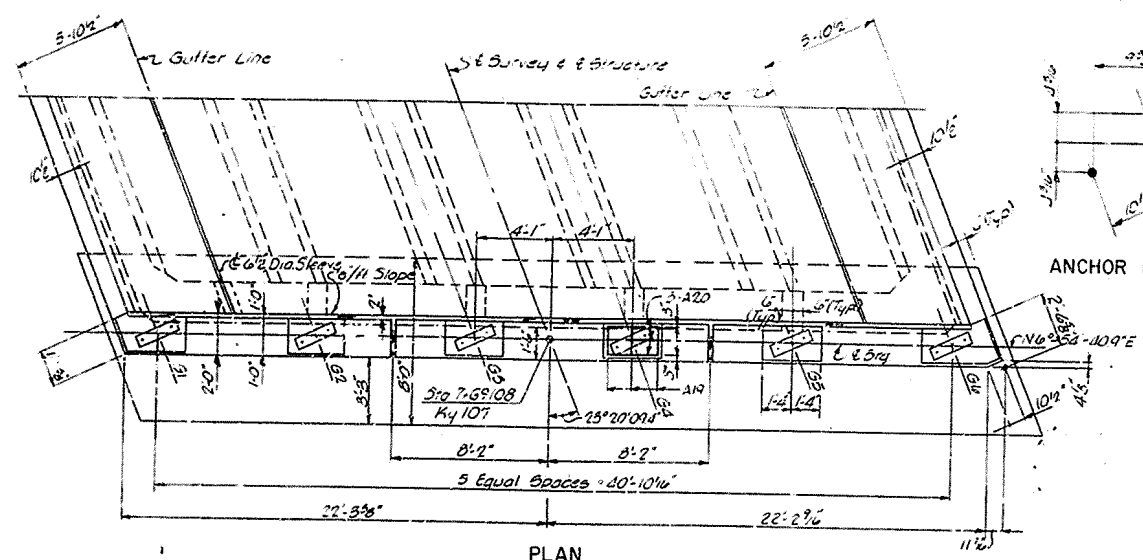
WEST ABUTMENT									
MARK	TYPE	NO.	SIZE	LENGTH		LOCATION	a		b
				FT.	IN.		FT.	IN.	
A1	Str	1	5	10	0	Footings	2	0	0
A2	Str	1	5	10	0	Footings	2	0	0
A3	Str	1	5	10	0	Footings	2	0	0
A4	Str	1	5	10	0	Footings	2	0	0
A5	Str	1	5	10	0	Footings	2	0	0
A6	Str	1	5	10	0	Footings	2	0	0
A7	Str	1	5	10	0	Footings	2	0	0
A8	Str	1	5	10	0	Footings	2	0	0
A9	Str	1	5	10	0	Footings	2	0	0
A10	Str	1	5	10	0	Footings	2	0	0
A11	Str	1	5	10	0	Footings	2	0	0
A12	Str	1	5	10	0	Footings	2	0	0
A13	Str	1	5	10	0	Footings	2	0	0
A14	Str	1	5	10	0	Footings	2	0	0
A15	Str	1	5	10	0	Footings	2	0	0
A16	Str	1	5	10	0	Footings	2	0	0
A17	Str	1	5	10	0	Footings	2	0	0
A18	Str	1	5	10	0	Footings	2	0	0
A19	Str	1	5	10	0	Footings	2	0	0
A20	Str	1	5	10	0	Footings	2	0	0
A21	Str	1	5	10	0	Footings	2	0	0
A22	Str	1	5	10	0	Footings	2	0	0
A23	Str	1	5	10	0	Footings	2	0	0
A24	Str	1	5	10	0	Footings	2	0	0
A25	Str	1	5	10	0	Footings	2	0	0
A26	Str	1	5	10	0	Footings	2	0	0
A27	Str	1	5	10	0	Footings	2	0	0
A28	Str	1	5	10	0	Footings	2	0	0
A29	Str	1	5	10	0	Footings	2	0	0
A30	Str	1	5	10	0	Footings	2	0	0
A31	Str	1	5	10	0	Footings	2	0	0
A32	Str	1	5	10	0	Footings	2	0	0
A33	Str	1	5	10	0	Footings	2	0	0
A34	Str	1	5	10	0	Footings	2	0	0
A35	Str	1	5	10	0	Footings	2	0	0
A36	Str	1	5	10	0	Footings	2	0	0
A37	Str	1	5	10	0	Footings	2	0	0
A38	Str	1	5	10	0	Footings	2	0	0
A39	Str	1	5	10	0	Footings	2	0	0
A40	Str	1	5	10	0	Footings	2	0	0
A41	Str	1	5	10	0	Footings	2	0	0
A42	Str	1	5	10	0	Footings	2	0	0
A43	Str	1	5	10	0	Footings	2	0	0
A44	Str	1	5	10	0	Footings	2	0	0
A45	Str	1	5	10	0	Footings	2	0	0
A46	Str	1	5	10	0	Footings	2	0	0
A47	Str	1	5	10	0	Footings	2	0	0
A48	Str	1	5	10	0	Footings	2	0	0
A49	Str	1	5	10	0	Footings	2	0	0
A50	Str	1	5	10	0	Footings	2	0	0
A51	Str	1	5	10	0	Footings	2	0	0
A52	Str	1	5	10	0	Footings	2	0	0
A53	Str	1	5	10	0	Footings	2	0	0
A54	Str	1	5	10	0	Footings	2	0	0
A55	Str	1	5	10	0	Footings	2	0	0
A56	Str	1	5	10	0	Footings	2	0	0
A57	Str	1	5	10	0	Footings	2	0	0
A58	Str	1	5	10	0	Footings	2	0	0
A59	Str	1	5	10	0	Footings	2	0	0
A60	Str	1	5	10	0	Footings	2	0	0

WEST ABUTMENT									
MARK	TYPE	NO.	SIZE	LENGTH		LOCATION	a		b
				FT.	IN.		FT.	IN.	
A61	Str	1	5	10	0	Footings	2	0	0
A62	Str	1	5	10	0	Footings	2	0	0
A63	Str	1	5	10	0	Footings	2	0	0
A64	Str	1	5	10	0	Footings	2	0	0
A65	Str	1	5	10	0	Footings	2	0	0
A66	Str	1	5	10	0	Footings	2	0	0
A67	Str	1	5	10	0	Footings	2	0	0
A68	Str	1	5	10	0	Footings	2	0	0
A69	Str	1	5	10	0	Footings	2	0	0
A70	Str	1	5	10	0	Footings	2	0	0
A71	Str	1	5	10	0	Footings	2	0	0
A72	Str	1	5	10	0	Footings	2	0	0
A73	Str	1	5	10	0	Footings	2	0	0
A74	Str	1	5	10	0	Footings	2	0	0
A75	Str	1	5	10	0	Footings	2	0	0
A76	Str	1	5	10	0	Footings	2	0	0
A77	Str	1	5	10	0	Footings	2	0	0
A78	Str	1	5	10	0	Footings	2	0	0
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A84	Str	1	5	10	0	Footings	2	0	0
A85	Str	1	5	10	0	Footings	2	0	0
A86	Str	1	5	10	0	Footings	2	0	0
A87	Str	1	5	10	0	Footings	2	0	0
A88	Str	1	5	10	0	Footings	2	0	0
A89	Str	1	5	10	0	Footings	2	0	0
A90	Str	1	5	10	0	Footings	2	0	0
A91	Str	1	5	10	0	Footings	2	0	0
A92	Str	1	5	10	0	Footings	2	0	0
A93	Str	1	5	10	0	Footings	2	0	0
A94	Str	1	5	10	0	Footings	2	0	0
A95	Str	1	5	10	0	Footings	2	0	0
A96	Str	1	5	10	0	Footings	2	0	0
A97	Str	1	5	10	0	Footings	2	0	0
A98	Str	1	5	10	0	Footings	2	0	0
A99	Str	1	5	10	0	Footings	2	0	0
A100	Str	1	5	10	0	Footings	2	0	0
A101	Str	1	5	10	0	Footings	2	0	0
A102	Str	1	5	10	0	Footings	2	0	0
A103	Str	1	5	10	0	Footings	2	0	0
A104	Str	1	5	10	0	Footings	2	0	0
A105	Str	1	5	10	0	Footings	2	0	0
A106	Str	1	5	10	0	Footings	2	0	0
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A110	Str	1	5	10	0	Footings	2	0	0
A111	Str	1	5	10	0	Footings	2	0	0
A112	Str	1	5	10	0	Footings	2	0	0
A113	Str	1	5	10	0	Footings	2	0	0
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A115	Str	1	5	10	0	Footings	2	0	0
A116	Str	1	5	10	0	Footings	2	0	0
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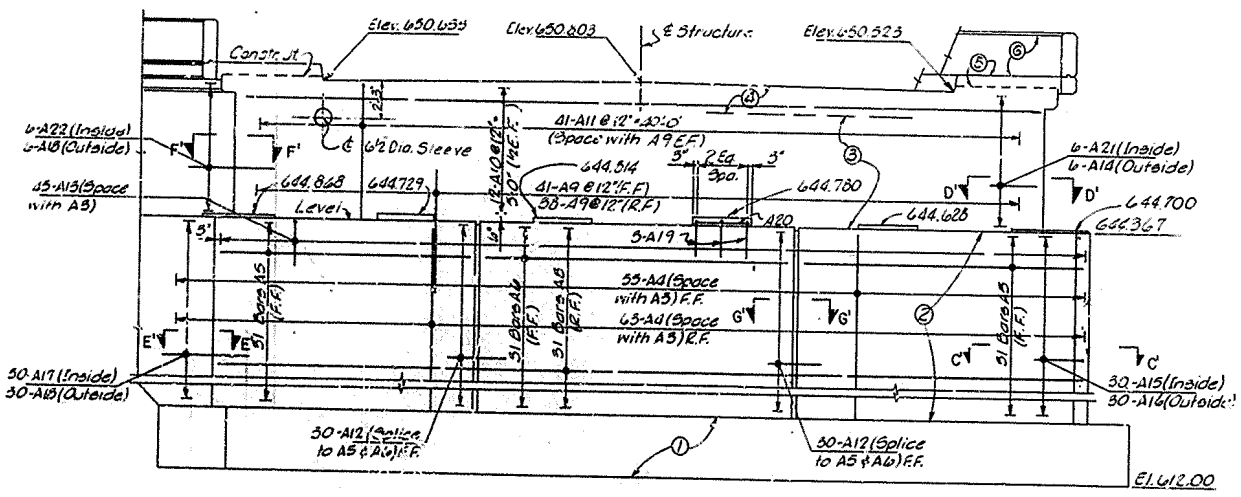
WEST ABUTMENT									
MARK	TYPE	NO.	SIZE	LENGTH		LOCATION	a		b
				FT.	IN.		FT.	IN.	
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A120	Str	1	5	10	0	Footings	2	0	0
A121	Str	1	5	10	0	Footings	2	0	0
A122	Str	1	5	10	0	Footings	2	0	0
A123	Str	1	5	10	0	Footings	2	0	0
A124	Str	1	5	10	0	Footings	2	0	0
A125	Str	1	5	10	0	Footings	2	0	0
A126	Str	1	5	10	0	Footings	2	0	0
A127	Str	1	5	10	0	Footings	2	0	0
A128	Str	1	5	10	0	Footings	2	0	0
A129	Str	1	5	10	0	Footings	2	0	0
A130	Str	1	5	10	0	Footings	2	0	0
A131	Str	1	5	10	0	Footings	2	0	0
A132	Str	1	5	10	0	Footings	2	0	0
A133	Str	1	5	10	0	Footings	2	0	0
A134	Str	1	5	10	0	Footings	2	0	0
A135	Str	1	5	10	0	Footings	2	0	0
A136	Str	1	5	10	0	Footings	2	0	0
A137	Str	1	5	10	0	Footings	2	0	0
A138	Str	1	5	10	0	Footings	2	0	0
A139	Str	1	5	10	0	Footings	2	0	0
A140	Str	1	5	10	0	Footings	2	0	0
A141	Str	1	5	10	0	Footings	2	0	0
A142	Str	1	5	10	0	Footings	2	0	0
A143	Str	1	5	10	0	Footings	2	0	0
A144	Str	1	5	10	0	Footings	2	0	0
A145	Str	1	5	10	0	Footings	2	0	0
A146	Str	1	5	10	0	Footings	2	0	0
A147	Str	1	5	10	0	Footings	2	0	0
A148	Str	1	5	10	0	Footings	2	0	0
A149	Str	1	5	10	0	Footings	2	0	0
A150	Str	1	5	10	0	Footings	2	0	0
A151	Str	1	5	10	0	Footings	2	0	0
A152	Str	1	5	10	0	Footings	2	0	0
A153	Str	1	5	10	0	Footings	2	0	0
A154	Str	1	5	10	0	Footings	2	0	0
A155	Str	1	5	10	0	Footings	2	0	0
A156	Str	1	5	10	0	Footings	2	0	0
A157	Str	1	5	10	0	Footings	2	0	0
A158	Str	1	5	10	0	Footings	2	0	0
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A160	Str	1	5	10	0	Footings	2	0	0



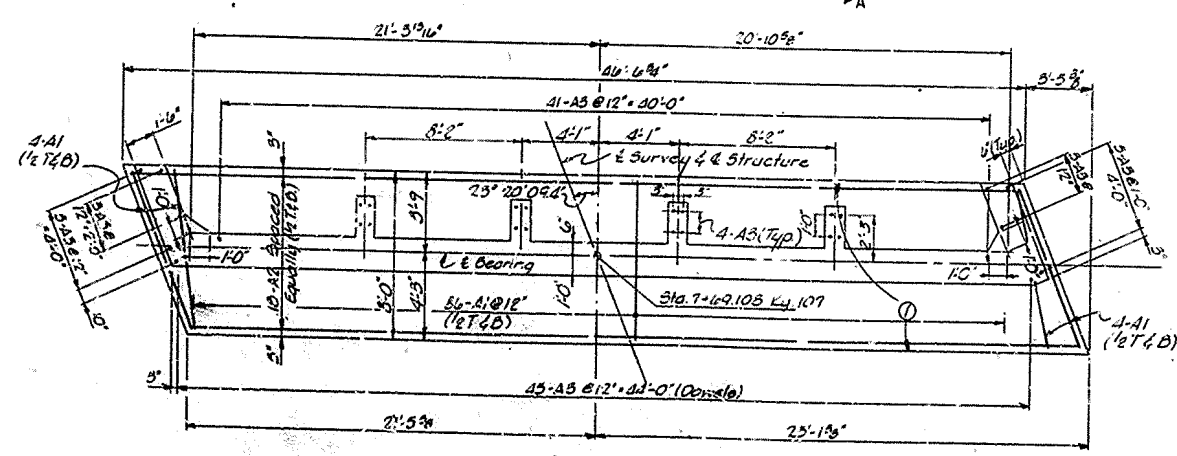
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FED. AID FISC. YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



PLAN



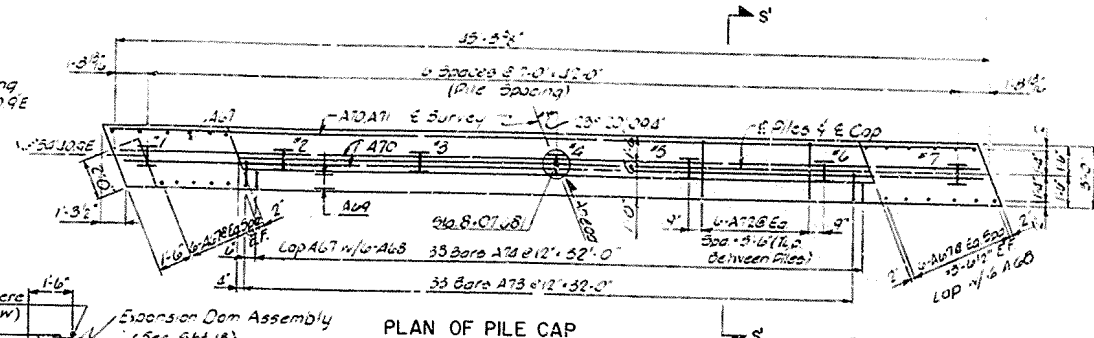
ELEVATION



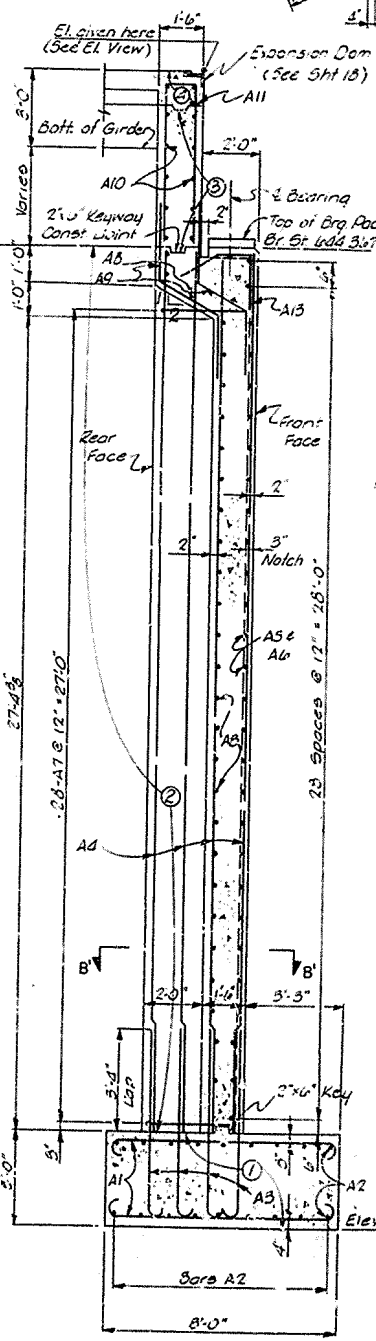
FOOTING PLAN

ANCHOR BOLT LAYOUT

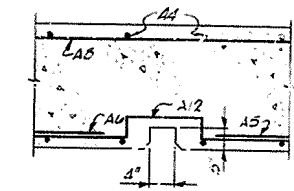
Class 'A' Concrete



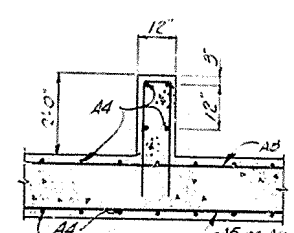
PLAN OF PILE CAP



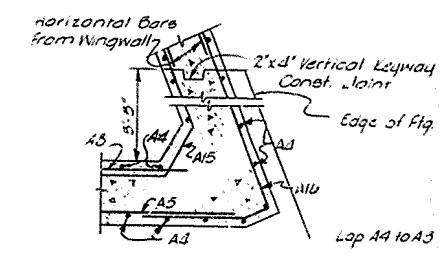
SECTION A-A'



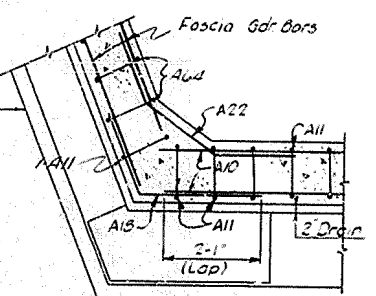
SECTION G'-G'



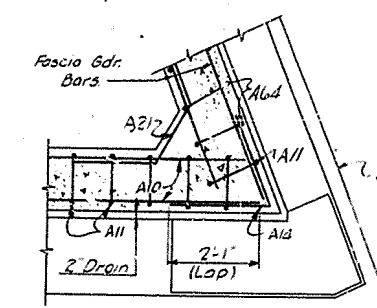
SECTION B'-B'



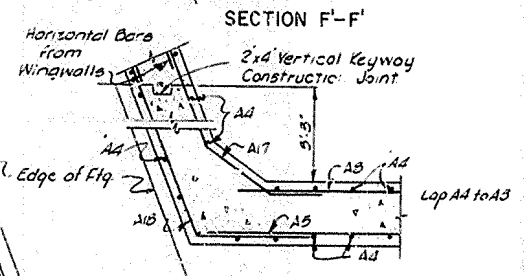
SECTION C'-C'



SECTION F'-F'



SECTION D'-D'



SECTION E'-E'

KY 107 OVER PENNYRILE PARKWAY SHEET 9

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY
ROAD

STATION 046+32.04 PROJECT NO. SP 22-935-111

BRIDGE NUMBER 16755

EAST ABUTMENT

BRIDGE

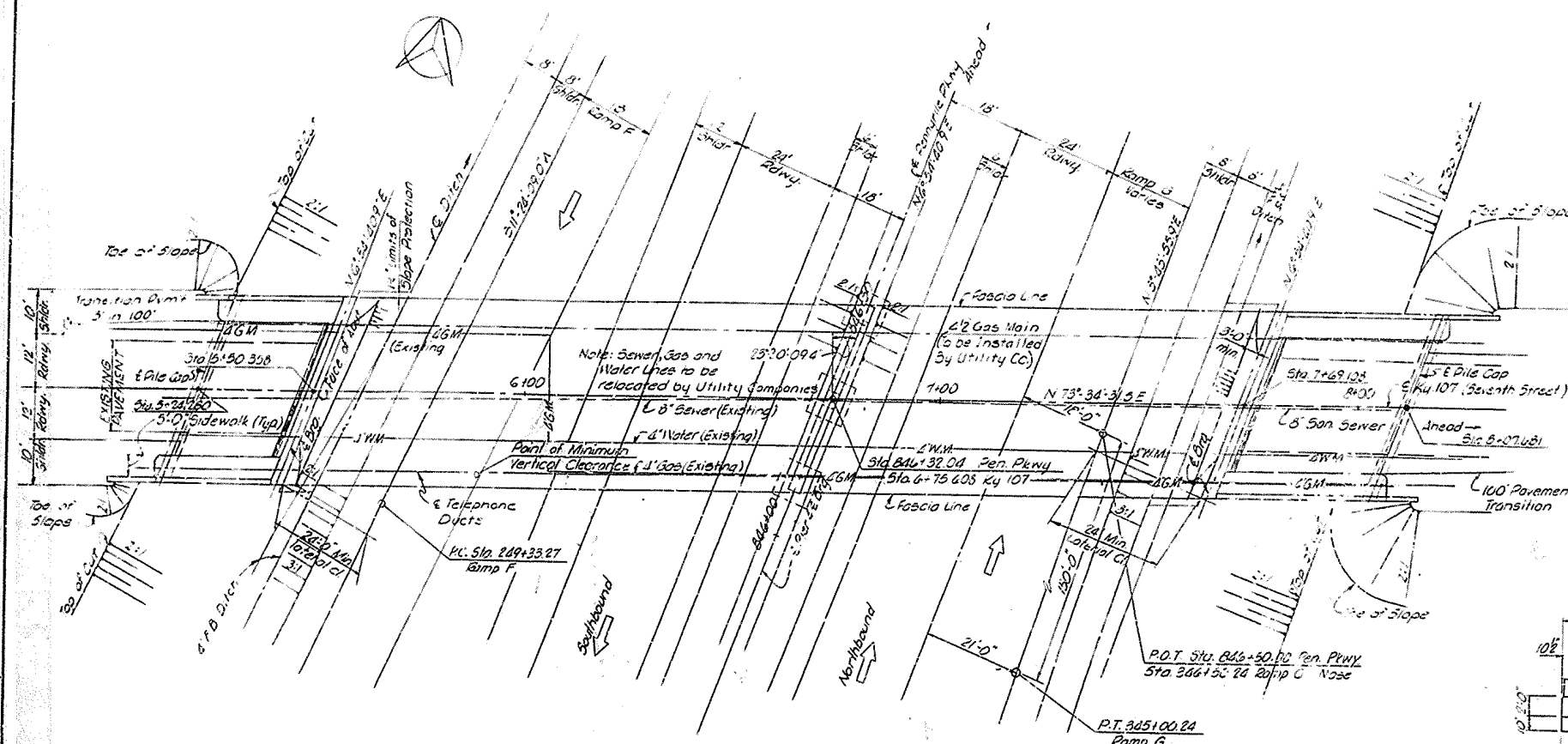
[illegible]

PEN 2-2
Const. Rev. No. 4
Sheet 3 of 7

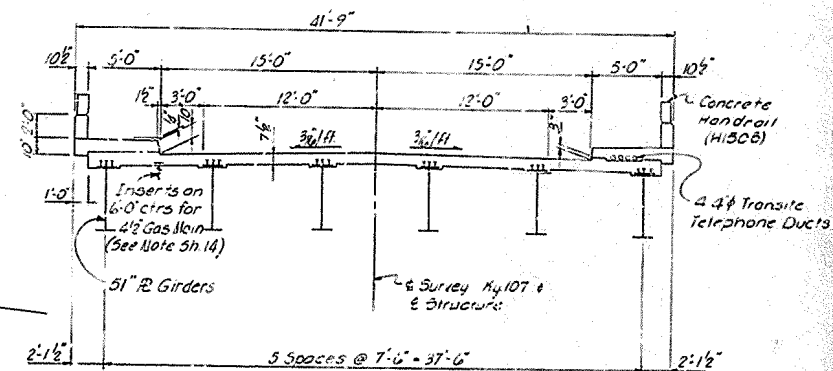
EAST ABUTMENT

KY 107 OVER PENNYRILE PARKWAY
SHEET 90
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY
ROAD
STATION 946+32.04 PROJECT NO. SP 24-935-ILI
BRIDGE NUMBER 16755 DATE

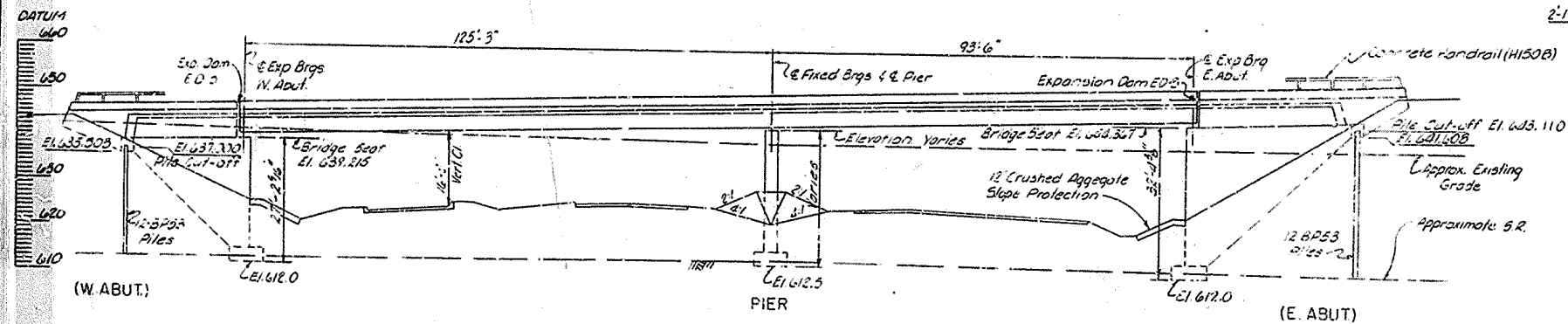
PER ROAD DIST.	STATE	PER ADJ. NO.	SHEET NO.	TOTAL SHEETS
7	KY.			



PLAN
(Superstructure Removed)



TYPICAL SECTION



ELEVATION

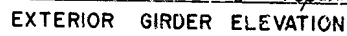
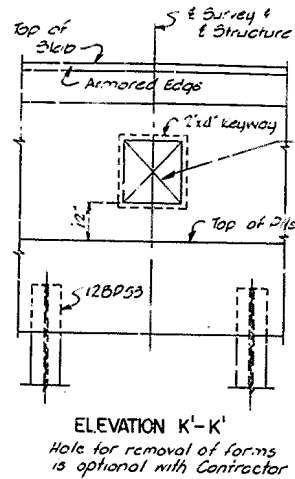
Note: 125'-3" & 93'-6" Continuous Plate Girder spans at 23° 20' 09.4" skew. 2:1 Fill Slopes. Design Loading HS 20-44 as specified in the 1961 AASHTO Specifications. Plate girders are designed for composite action in areas of positive bending moment.

Note: If solid rock is not encountered at bottom of footing elevations, all unavoidable material shall be excavated and backfilled with Class "B" Concrete as directed by the Engineer.

KY. 107 OVER PENNYRILE PARKWAY
 SHEET 3
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 CHRISTIAN
 PENNYRILE PARKWAY
 ROAD
 STATION 846+32.04 PROJECT NO. SP 24-935-11
 BRIDGE NUMBER 16755

LAYOUT

BRIDGE



EAST ABUTMENT

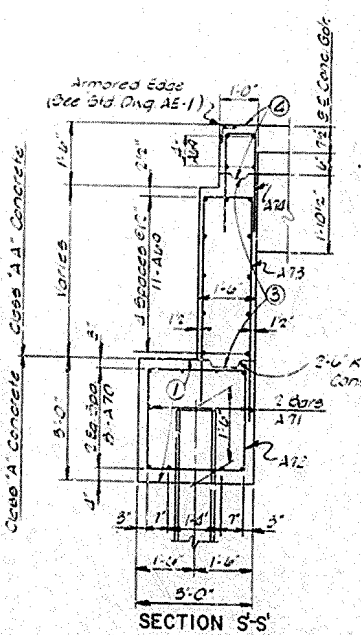
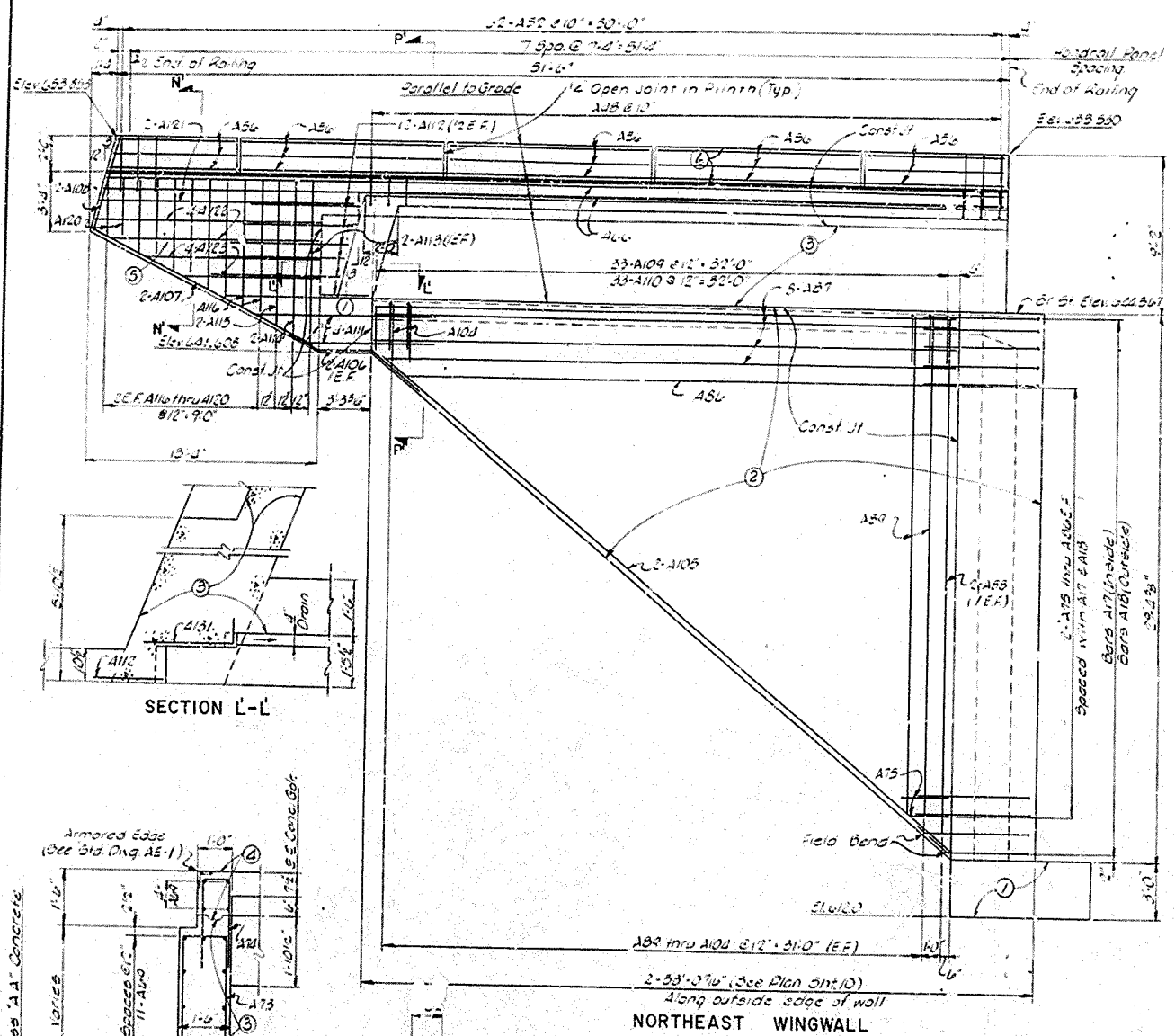
KY 107 OVER PENNYRILE PARKWAY SHEET 101

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY
ROAD

STATION 846+32.04 PROJECT NO. SP 24-935-11

DRAWING NO. 16755	THICK
-----------------------------	--------------

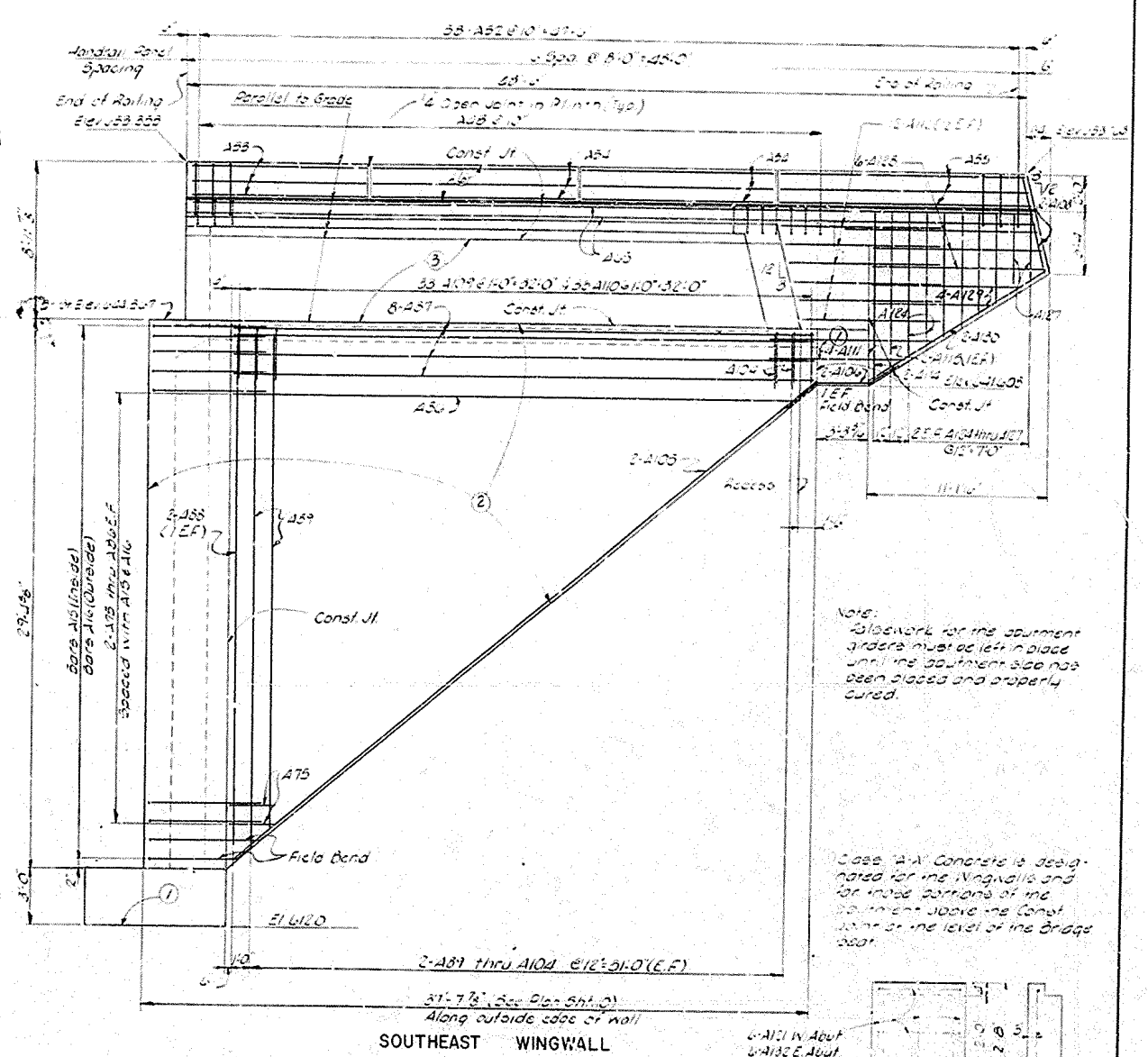
KY 107 OVER PENNYRILE PARKWAY		SHEET 10	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
CHRISTIAN			
PENNYRILE PARKWAY			
ROAD			
STATION 846+32.04		PROJECT NO. SP 24-235-1L1	
BRIDGE NUMBER		DRAWING NO. 16755	INCHES



LOCATION	PILE NO.	CUT-OFF ELEVATION AS SHOWN	TIP OF PILE ELEVATION AS DRIVEN	PILE LENGTH IN PLACE (LIN. FT.)	CALCULATED BEARING CAPACITY (TONS)
East Abut.	1	643.11			
	2				
	3				
	4				
	5				
	6				
	7				

Note:
See sheet 9 for location of piles.

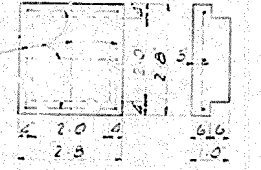
Note:
This pile record does not replace other records of piles required to be kept and submitted by the Resident Engineer. After all piles have been driven, the Resident Engineer shall record the tip-of-pile elevation as driven, the length of pile in place, the calculated bearing capacity of each pile and shall return one blue print copy of this sheet with this data, to the Director of Bridges so that data may be recorded on the original plans. Lengths of piles shown in place herein are the actual lengths of piles in the finished structure below cut-off elevation and are not necessarily pay items.
All piles to be 12 BF55. For notes and details see Std. Dwg. P.17.



- CONSTRUCTION PROCEDURES FOR ABUTMENTS
- Place fill at abutment to approximate limits of finished grade as shown on Roadway Plans.
 - Excavate for foundations pile cap & drive piles.
 - Drain Subgrade at footings & place stone or mortar base. Pour pile foundations. POUR (1) Sheets 5, 6, 7, 9, 10, 11
 - After backfilling of the front footing excavate for side walls, place stone or mortar base, place forms for side walls and pour front wall and side walls to bridge seat. POUR (2) Sheets 5, 6, 7, 9, 10, 11
 - Backfill side walls and make final grading inside of abutment before placing forms and shoring for deck girders special care shall be exercised to avoid damage to front wall, back wall, and side wall.
 - Complete pouring of the back wall, front wall above bridge seat, girder and slabs. POUR (3) 4, 5 Sheets 5, 6, 7, 9, 10, 11
 - Place the curb & wings. POUR (3) Sheet 5, 6, 7, 9, 10, 11
 - Place plinth and railing continuously over abutments and superstructure. POUR (3) Sheets 5, 6, 7, 9, 10, 11
 - The contractor must remove all form work from inside abutment
 - Pouring procedures steps are marked thus (X)

Note:
Reinforcement for the abutment girders must be left in place until the abutment has been placed and properly cured.

Class "A" Concrete is designated for the Vignettes and for those portions of the abutment above the Const. Joint or the level of the bridge seat.



PRECAST CONC. COVER

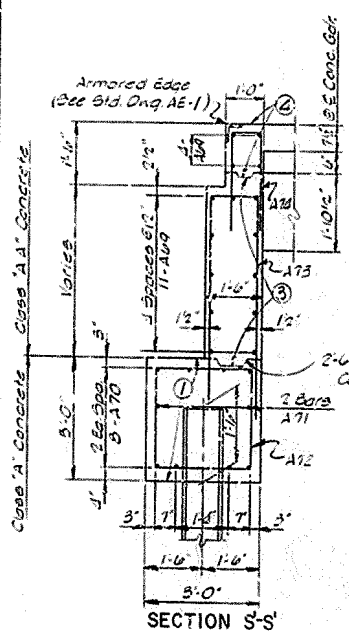
KY. 107 OVER PENNYRILE PARKWAY SHEET 11

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 CHRISTIAN
 PENNYRILE PARKWAY
 ROAD

STATION 645+32.04 PROJECT NO. SP 24-935-IL1

BRIDGE NUMBER DRAWING NO. 16755

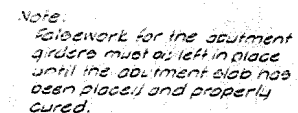
EAST ABUTMENT



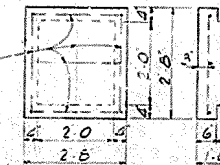
NORTHEAST WINGWALL

Note:
See sheet 9 for
location of piles

All piles to be 12 BP 53. For notes and details see 3rd. Dwg. P. 17.



Class "A-2" Concrete is designated for the Wingwalls and for those portions of the abutment above the Conet Joint at the level of the Bridge Seat.



PEN 2-2
Const. Rev. No. 4
Sheet 5 of 7.

PRECAST CONC COVER

1. Place fill at abutment to approximate limits of finished grade as shown on Roadway Plans.
2. Excavate for footings and pile cap & drive piles.
3. Dress Subgrade at Footings & place Stone or mortar base. Pour coin footing. Sheets 5, 6, 7, 9, 10, 11
4. After backfilling of the front footing excavate for sidewalls, place stone or mortar base, place forms for sidewalls and pour frontwall and sidewalls to bridge seat. POUR ② Sheets 5, 6, 7, 9, 10, 11
5. Backfill sidewalls and make final grading inside of abutment before placing forms and shoring for deck girders. Special care shall be exercised to avoid damage to frontwall, backwall and sidewall.
6. Complete pouring of the backwall, frontwall above bridge seat, girder and slabs. POUR ③ 4 ④ Sheets 5, 6, 7, 9, 10, 11
7. Place the curb & wings. POUR ③ Sheet 5, 6, 7, 9, 10, 11
8. Place plinth and railing continuously over abutments and superstructure. POUR ③ Sheets 5, 6, 7, 9, 10, 11
9. The contractor must remove all form work from inside Abutment +
10. Pouring procedures steps are marked thus (X)

EAST ABUTMENT

SHEET 11

FRANKFORT
COUNTY OF

CHRISTIAN

PENNYRILE PARKWAY

PROJECT NO. SP 24-S35-K

BRIDGE
NUMBER

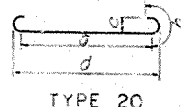
MAWNO NO.	INDEX
16755	

BILL OF REINFORCEMENT

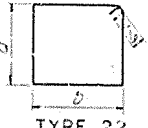
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

EAST ABUTMENT												
MARK	TYPE	NO.	SIZE	LENGTH	LOCATION	a	b	c	d	e	f	g
				FT. IN.		FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.
A1	Str	92	8	9	Footings	5	8	1	0	0	0	0
A2	Str	8	8	6	Footings	5	8	1	0	0	0	0
A3	Str	10	8	6	Footings	5	8	1	0	0	0	0
A4	Str	18	8	22	Stem							
A5	Str	62	8	13	Stem							
A6	Str	31	8	13	Stem							
A7	Str	112	8	6	Stem							
A8	Str	31	8	13	Stem							
A9	Str	81	8	2	Back wall	3	6	2	0	2	10	2
A10	Str	12	8	12	Stem							
A11	Str	43	8	12	Stem							
A12	Str	62	8	3	Stem							
A13	Str	45	8	3	Stem							
A14	Str	6	8	3	Stem							
A15	Str	30	8	8	Stem							
A16	Str	30	8	9	Stem							
A17	Str	30	8	9	Stem							
A18	Str	30	8	9	Stem							
A19	Str	30	8	9	Stem							
A20	Str	30	8	9	Stem							
A21	Str	30	8	9	Stem							
A22	Str	30	8	9	Stem							
A23	Str	30	8	9	Stem							
A24	Str	30	8	9	Stem							
A25	Str	30	8	9	Stem							
A26	Str	30	8	9	Stem							
A27	Str	30	8	9	Stem							
A28	Str	30	8	9	Stem							
A29	Str	30	8	9	Stem							
A30	Str	30	8	9	Stem							
A31	Str	30	8	9	Stem							
A32	Str	30	8	9	Stem							
A33	Str	30	8	9	Stem							
A34	Str	30	8	9	Stem							
A35	Str	30	8	9	Stem							
A36	Str	30	8	9	Stem							
A37	Str	30	8	9	Stem							
A38	Str	30	8	9	Stem							
A39	Str	30	8	9	Stem							
A40	Str	30	8	9	Stem							
A41	Str	30	8	9	Stem							
A42	Str	30	8	9	Stem							
A43	Str	30	8	9	Stem							
A44	Str	30	8	9	Stem							
A45	Str	30	8	9	Stem							
A46	Str	30	8	9	Stem							
A47	Str	30	8	9	Stem							
A48	Str	30	8	9	Stem							
A49	Str	30	8	9	Stem							
A50	Str	30	8	9	Stem							
A51	Str	30	8	9	Stem							
A52	Str	30	8	9	Stem							
A53	Str	30	8	9	Stem							
A54	Str	30	8	9	Stem							
A55	Str	30	8	9	Stem							
A56	Str	30	8	9	Stem							
A57	Str	30	8	9	Stem							
A58	Str	30	8	9	Stem							
A59	Str	30	8	9	Stem							

Bar type below are for Pier Only See Sht B for Abut bar types



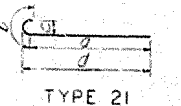
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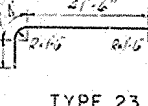
TYPE 22



TYPE 24



TYPE 21

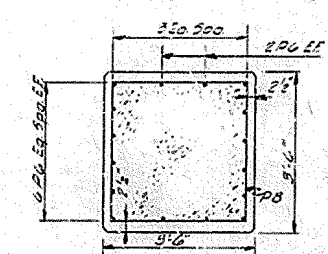
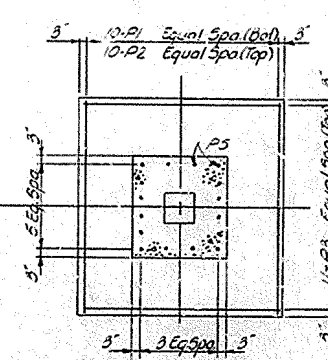
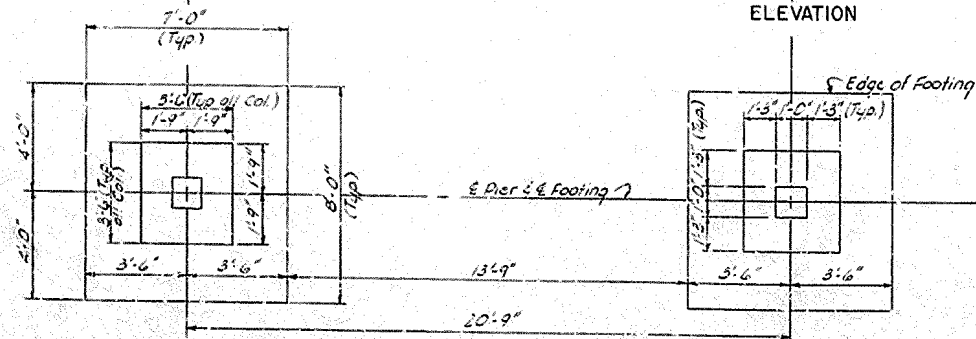
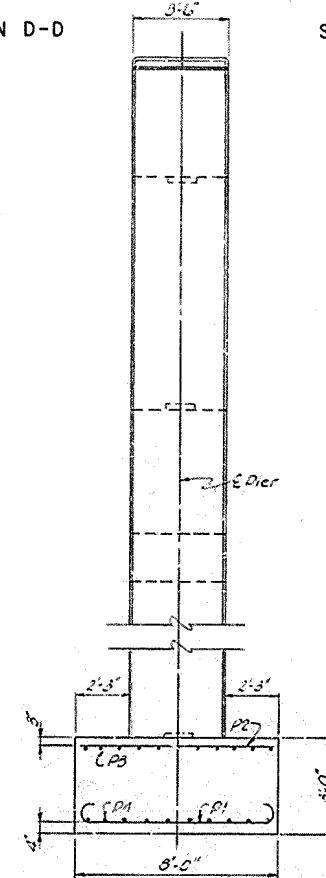
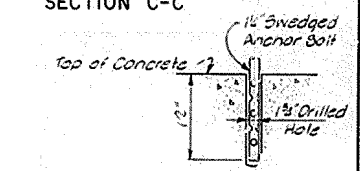
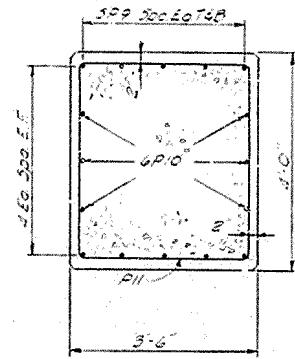
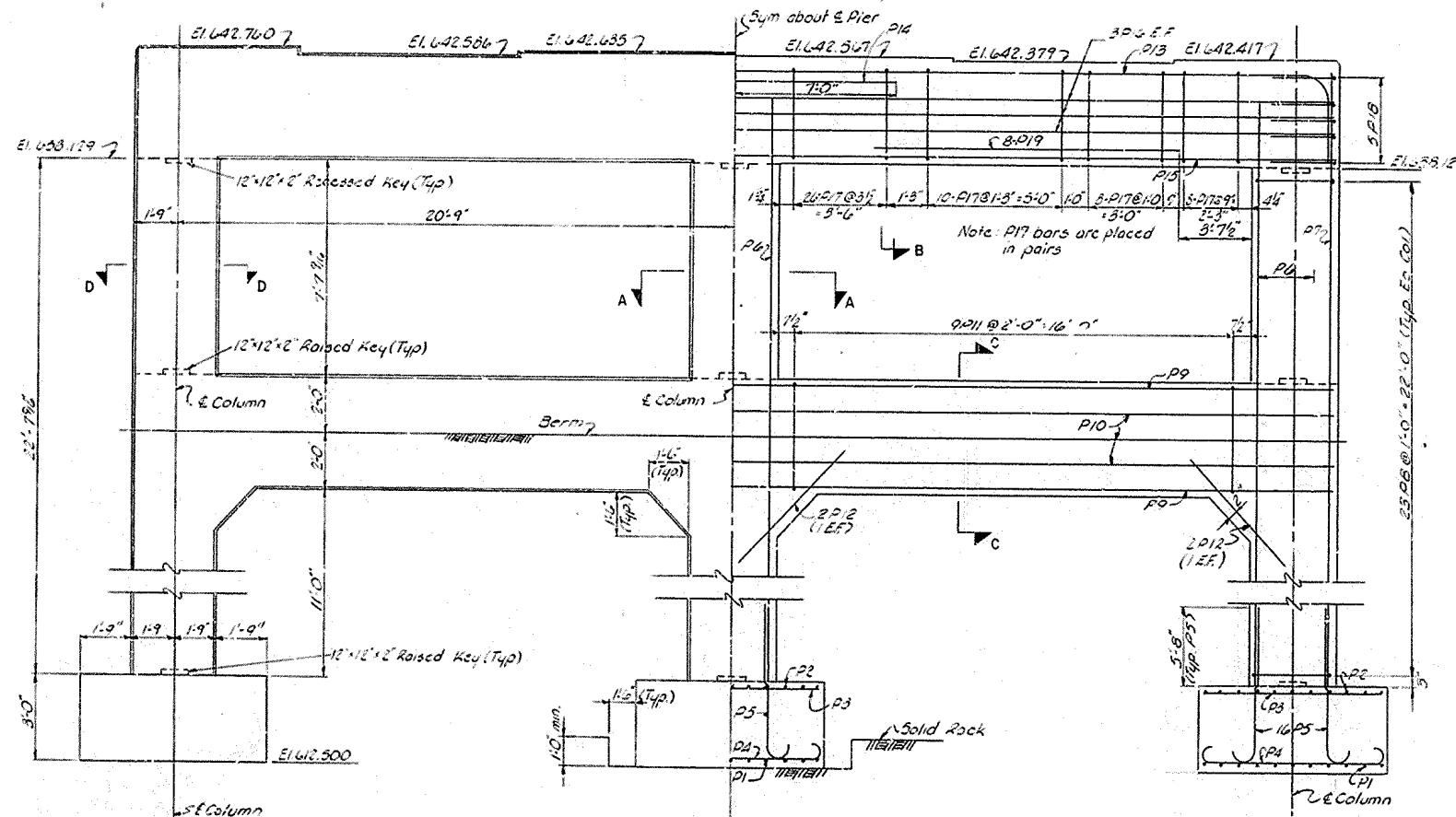
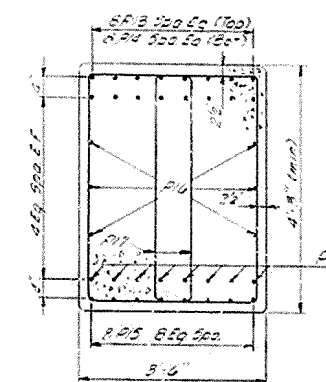
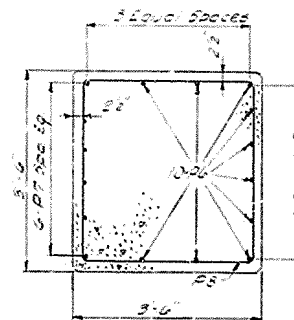
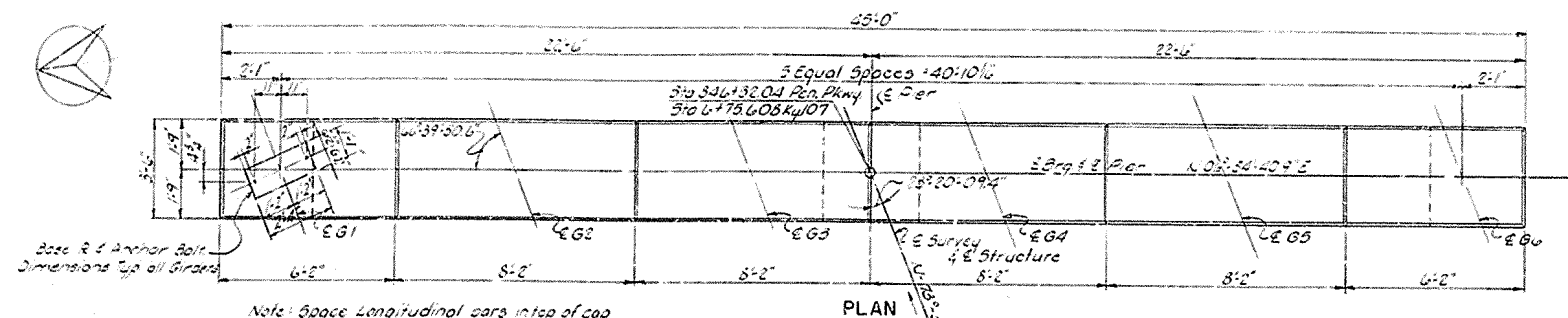


TYPE 23

EAST ABUTMENT												
MARK	TYPE	NO.	SIZE	LENGTH	LOCATION	a	b	c	d	e	f	g
				FT. IN.		FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.	FT. IN.
A60	Str	10	8	24	Ext. 2nd Girder							
A61	Str	8	8	11	Ext. 2nd Girder							
A62	Str	8	8	11	Ext. 2nd Girder							
A63	Str	128	8	7	Int. Girder							
A64	Str	64	8	13	Ext. Girder							
A65	Str	3	8	38	Curb							
A66	Str	3	8	31	Curb							
A67	Str	24	8	5	Curb							
A68	Str	12	8	6	Curb							
A69	Str	15	8	36	Curb							
A70	Str	8	8	33	Curb							
A71	Str	2	8	35	Curb							
A72	Str	38	8	11	Curb							
A73	Str	33	8	13	Curb							
A74	Str	33	8	6	Curb							
A75	Str	8	8	2	Wing Wall							
A76	Str	8	8	5	Wing Wall							
A77	Str	8	8	7	Wing Wall							
A78	Str	8	8	10	Wing Wall							
A79	Str	8	8	12	Wing Wall							
A80	Str	8	8	15	Wing Wall							
A81	Str	8	8	17	Wing Wall							
A82	Str	8	8	20	Wing Wall							
A83	Str	8	8	22	Wing Wall							
A84	Str	8	8	25	Wing Wall							
A85	Str	8	8	27	Wing Wall							
A86	Str	8	8	30	Wing Wall							
A87	Str	16	8	33	Wing Wall							
A88	Str	1	8	28	Wing Wall							
A89	Str	8	8	27	Wing Wall							
A90	Str	8	8	25	Wing Wall							
A91	Str	8	8	20	Wing Wall							
A92	Str	8	8	22	Wing Wall							
A93	Str	8	8	20	Wing Wall							
A94	Str	8	8	19	Wing Wall							
A95	Str	8	8	17	Wing Wall							
A96	Str	8	8	16	Wing Wall							
A97	Str	8	8	14	Wing Wall							
A98	Str	8	8	13	Wing Wall							
A99	Str	8	8	11	Wing Wall							
A100	Str	8	8	9	Wing Wall							
A101	Str	8	8	8	Wing Wall							
A102	Str	8	8	6	Wing Wall							
A103	Str	8	8	5	Wing Wall							
A104	Str	8	8	3	Wing Wall							
A105	Str	8	8	2	Wing Wall							
A106	Str	8	8	2	Wing Wall							
A107	Str	8	8	2	Wing Wall							
A108	Str	8	8	2	Wing Wall							
A109	Str	8	8	2	Wing Wall							
A110	Str	8	8	2	Wing Wall							
A111	Str	8	8	2	Wing Wall							
A112	Str	8	8	2	Wing Wall							
A113	Str	8	8	2	Wing Wall							
A114	Str	8	8	2	Wing Wall							
A115	Str	8	8	2	Wing Wall							
A116	Str	8	8	2	Wing Wall							
A117	Str	8	8	2	Wing Wall							

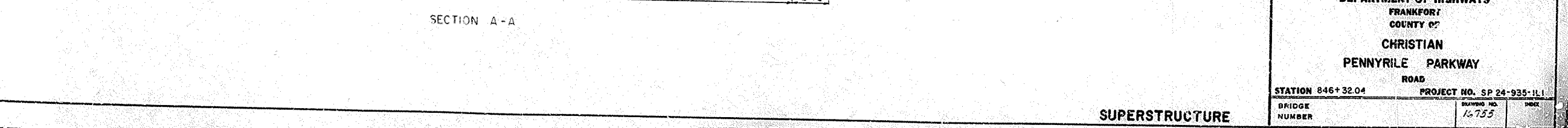
EAST ABUTMENT																				
MARK	TYPE	NO	SIZE	LENGTH		LOCATION	a		b		c		d		e		f		g	
				FT	IN		FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN
A118	Str	4	8	5	5	Wing Wall														
A119	Str	4	8	5	5															
A120	Str	4	8	5	5															
A121	Str	4	8	12	0															
A122	Str	4	8	12	0															
A123	Str	4	8	7	6															
A124	Str	4	8	6	0															
A125	Str	4	8	3	9															
A126	Str	4	8	6	0															
A127	Str	4	8	3	6															
A128	Str	4	8	9	0															
A129	Str	4	8	6	3															
A130	Str	4	8	2	3															
A131	Str	12	10	5	9			2	6	1	4									
A132	Str	6	4	1	4	End Cover														

FILE NO.	DATE	REV.	BY	CHKD.	DATE	SHEET NO.	TOTAL SHEETS
7	KY.						



Note: For bar list, see Sh. 12

KY 107 OVER PENNYRILE PARKWAY
 SHEET 13
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 CHRISTIAN
 PENNYRILE PARKWAY
 ROAD
 STATION 846+32.04 PROJECT NO. SP 24-935-1L1
 BRIDGE NUMBER 16755

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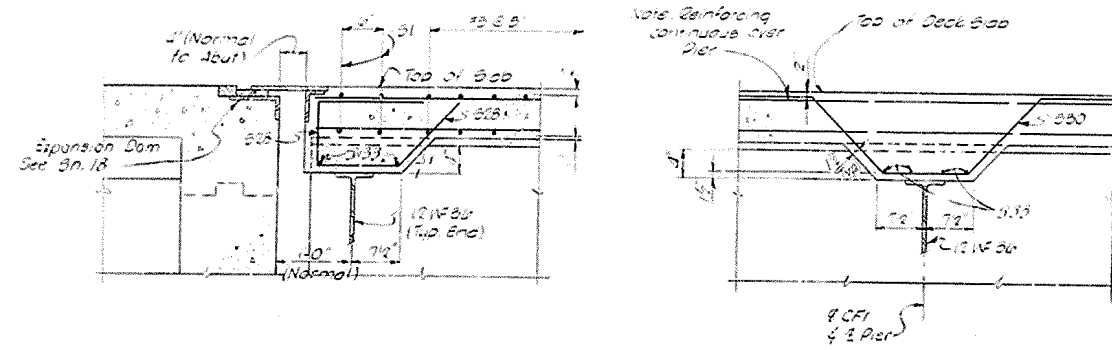
KY. 107 O'ER PENNYRILE PARKWAY

SHEET 14

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY 02
CHRISTIAN
PENNYRILE PARKWAY
ROAD

STATION 846+32.04	PROJECT NO. SP 24-935-111		
BRIDGE NUMBER	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;">DRAWING NO. <i>16755</i></td> <td style="width: 40%; padding: 5px;">INDEX</td> </tr> </table>	DRAWING NO. <i>16755</i>	INDEX
DRAWING NO. <i>16755</i>	INDEX		

SUPERSTRUCTURE

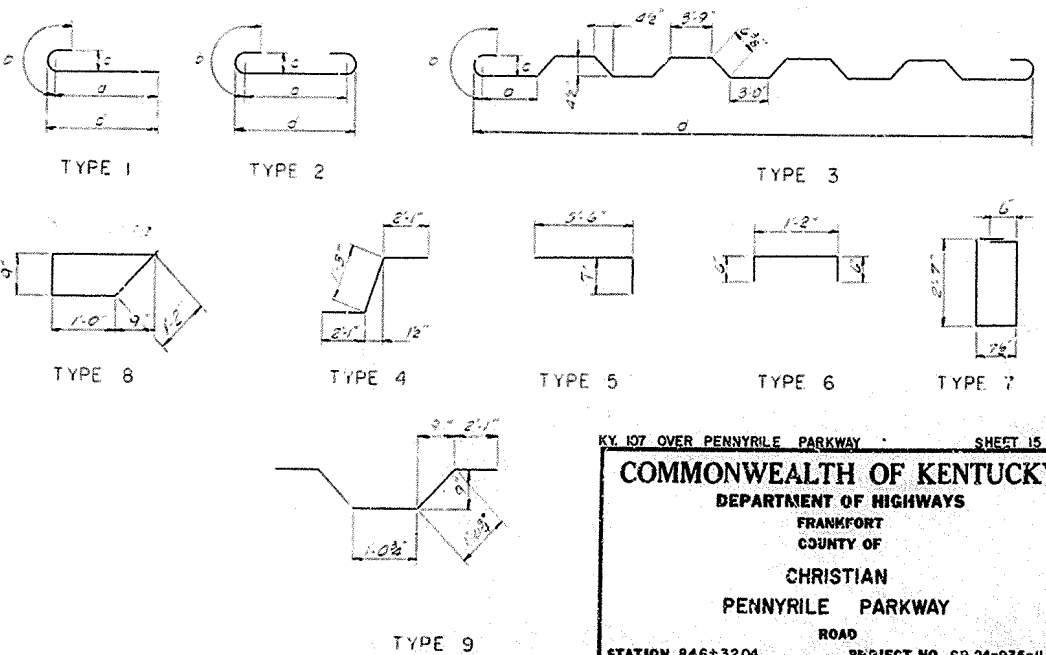


SECTION B-B

SECTION C-C

ESTIMATE OF QUANTITIES		
LOCATION	CLASS AA CONG. REINFORCEMENT	
Superstructure	325.3 Cu Yds	77,363 lbs.

BILL OF REINFORCEMENT												
MARK	TYPE	NO	SIZE	LENGTH		LOCATION	a		b		c	
				Ft.	In.		Ft.	In.	Ft.	In.	Ft.	In.
31	31r	5	3	12	5	Deck	5	5	0	0	0	0
32	1	5	3	4	0		5	5	0	0	0	0
33	1	5	3	4	0		5	5	0	0	0	0
34	1	5	3	4	0		5	5	0	0	0	0
35	1	5	3	4	0		5	5	0	0	0	0
36	1	5	3	4	0		5	5	0	0	0	0
37	1	5	3	4	0		5	5	0	0	0	0
38	1	5	3	4	0		5	5	0	0	0	0
39	1	5	3	4	0		5	5	0	0	0	0
40	1	5	3	4	0		5	5	0	0	0	0
41	1	5	3	4	0		5	5	0	0	0	0
42	1	5	3	4	0		5	5	0	0	0	0
43	1	5	3	4	0		5	5	0	0	0	0
44	1	5	3	4	0		5	5	0	0	0	0
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46	1	5	3	4	0		5	5	0	0	0	0
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51	1	5	3	4	0		5	5	0	0	0	0
52	1	5	3	4	0		5	5	0	0	0	0
53	1	5	3	4	0		5	5	0	0	0	0
54	1	5	3	4	0		5	5	0	0	0	0
55	1	5	3	4	0		5	5	0	0	0	0
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62	1	5	3	4	0		5	5	0	0	0	0
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64	1	5	3	4	0		5	5	0	0	0	0
65	1	5	3	4	0		5	5	0	0	0	0
66	1	5	3	4	0		5	5	0	0	0	0
67	1	5	3	4	0		5	5	0	0	0	0
68	1	5	3	4	0		5	5	0	0	0	0
69	1	5	3	4	0		5	5	0	0	0	0
70	1	5	3	4	0		5	5	0	0	0	0
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72	1	5	3	4	0		5	5	0	0	0	0
73	1	5	3	4	0		5	5	0	0	0	0
74	1	5	3	4	0		5	5	0	0	0	0
75	1	5	3	4	0		5	5	0	0	0	0
76	1	5	3	4	0		5	5	0	0	0	0
77	1	5	3	4	0		5	5	0	0	0	0
78	1	5	3	4	0		5	5	0	0	0	0
79	1	5	3	4	0		5	5	0	0	0	0
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81	1	5	3	4	0		5	5	0	0	0	0
82	1	5	3	4	0		5	5	0	0	0	0
83	1	5	3	4	0		5	5	0	0	0	0
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87	1	5	3	4	0		5	5	0	0	0	0
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89	1	5	3	4	0		5	5	0	0	0	0
90	1	5	3	4	0		5	5	0	0	0	0
91	1	5	3	4	0		5	5	0	0	0	0
92	1	5	3	4	0		5	5	0	0	0	0
93	1	5	3	4	0		5	5	0	0	0	0
94	1	5	3	4	0		5	5	0	0	0	0
95	1	5	3	4	0		5	5	0	0	0	0
96	1	5	3	4	0		5	5	0	0	0	0
97	1	5	3	4	0		5	5	0	0	0	0
98	1	5	3	4	0		5	5	0	0	0	0
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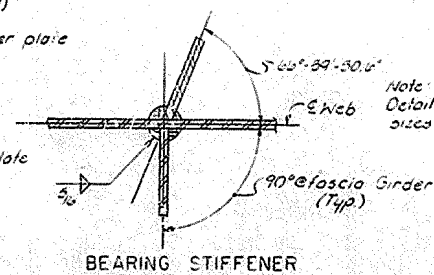
KY 107 OVER PENNYRILE PARKWAY SHEET 15

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 CHRISTIAN
 PENNYRILE PARKWAY
 ROAD

STATION 846+32.04 PROJECT NO. SP 24-935-1(L)

BRIDGE NUMBER 16755

SUPERSTRUCTURE

[illegible]

KY. 107 OVER PENNYRILE PARKWAY		SHEET 16	
COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS FRANKFORT COUNTY OF CHRISTIAN PENNYRILE PARKWAY ROAD			
STATION 846+32.04		PROJECT NO. SP 24-935-1L	
BRIDGE NUMBER	DRAWING NO. 16755		BOOK

INDEX

TABLE OF ELEVATION							
	NORTH GUTTER LINE	E 2	E 3	E ROADWAY	E 4	E 5	SOUTH GUTTER LINE
East Abut.	650.035	650.678	650.784	650.803	650.750	650.599	650.522
West Abut.	645.893	645.848	645.866	645.855	645.771	645.557	645.450

[illegible]

*This dimension to be maintained at a normal temperature of 68° F. For each 10° above or below 68° decrease or increase $\frac{3}{32}$ respectively. (West Abut.) For East Abut. increment is $\frac{1}{16}$.

[illegible]

1" 5/8" Jt Sealing Compound
 Destroy bond between Jt
 Sealing Compound &
 8" 4" x 1/2" L using film or
 paper backing

Free to Slide

2 1/2" x 3/4" Bar

2 1/2" x 3/4" x 1-2"
 Anchor Straps
 alternate spo.
 @ 1'0"

Const. Jt.
 See Abut. details

Note: Use 6 R.
 cylinders & Timber
 drill 1/4" holes
 to Bolt L to

2 1/2" x 3/4" Bar

2 1/2" x 3/4" x 1-2"
 Anchor Straps
 Alt. spaced @ 1'0" (See Plan)

Top of Girder Flange

1" x 1/2" x 1/2" Slots
 in Chip L's &
 6" 4" x 1/2" L &
 1/4" holes in Top
 Flange. All Bolts 3/4" &
 with 2 cut washers

Plt & Org

Elev. given along this line (See Table This Sp.)
 For Elev. See Const. Elev. Sheets 19 & 20

12" x 3/4" R.
 6" 4" x 1/2" L

2 1/2" x 3/4" x 1-2" Anchor Straps
 Alt. spaced @ 1'0" (See Plan)

11/16" holes @ 2 1/2"

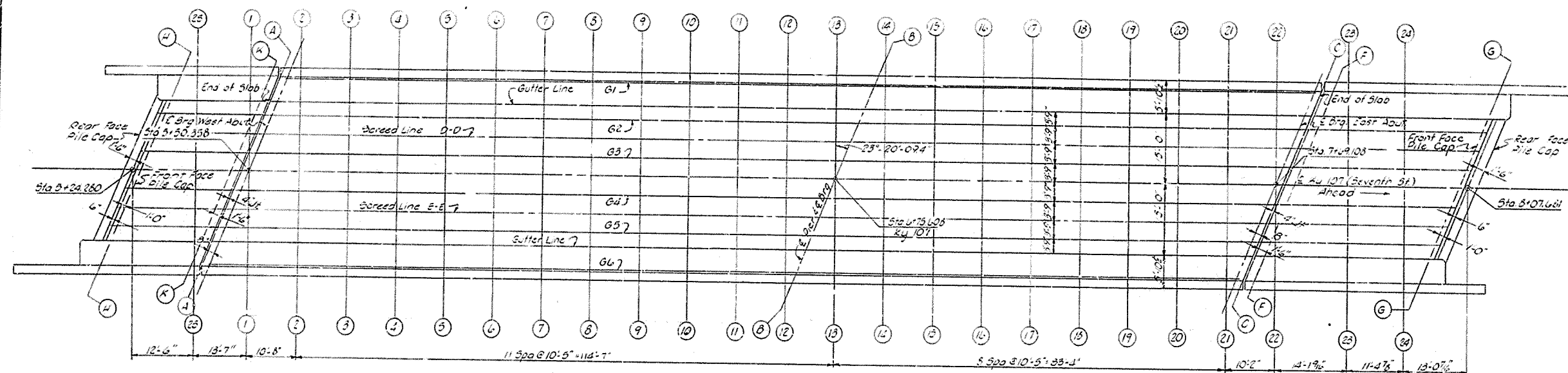
Note: See Ky. Std. Dwg. E. O. 3 for General Notes and additional details.

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
CHRISTIAN
PENNYRILE PARKWAY
ROAD

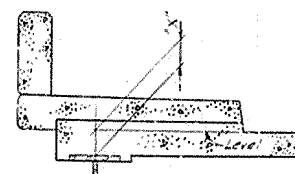
STATION 846+32.04		PROJECT NO. SP 24-935-IL	
BRIDGE NUMBER		DRAWING NO. 4755	INDEX

EXPANSION DAMS

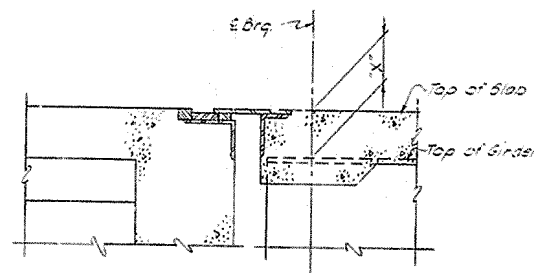
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



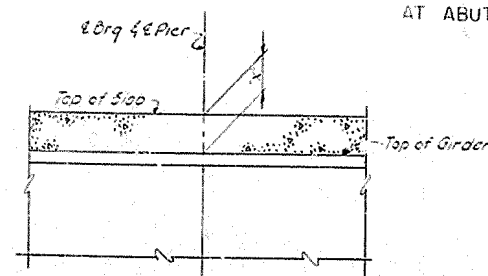
PLAN



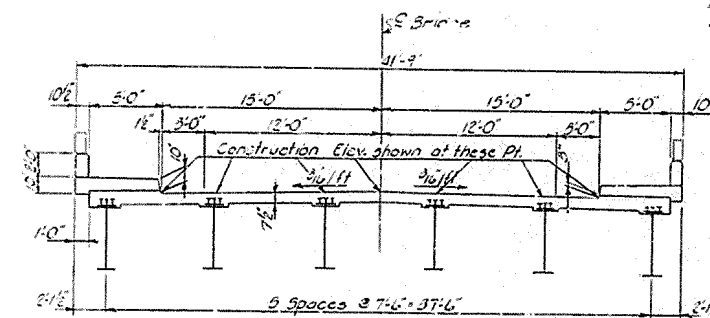
AT FASCIA



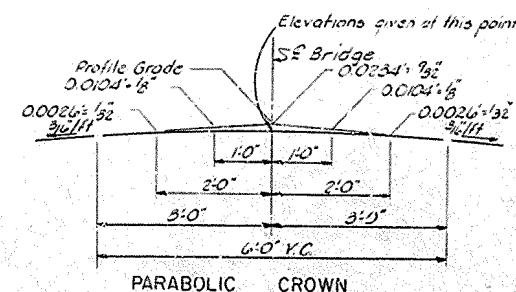
AT ABUTMENT



AT PIER & INTERIOR GIRDERS



TYPICAL SECTION



ELEVATIONS

Note: Dead Load Deflections are not included in the construction Elevations for Abutments (Lines 13-24 & 25). Maximum deflections at E Spans are as follows:
West Abutment: 1/4"
East Abutment: 1/4"

KY 107 OVER PENNYRILE PARKWAY SHEET 19

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

CHRISTIAN

PENNYRILE PARKWAY

ROAD

STATION 846+32.0

PROJECT NO. SP 24-935-111

BRIDGE NUMBER

DATE 1/6/55

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

TABLE OF ELEVATIONS																					
LINE	LEFT GUTTER LINE			E G2			E G3			E ROADWAY			E G4			E G5			RIGHT GUTTER LINE		
	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X
A-1	645.849			645.879			645.879						645.782			645.868			645.460		
B-2	649.237			649.263			649.312						649.334			649.056			645.962		
C-3	650.652			650.695			650.750						650.727			650.595			650.519		
D-4	645.675			645.735			645.852						645.863			645.863			645.718		
E-5	646.023			646.090			646.131						646.251			646.133			646.104		
F-6	646.402			646.470			646.507						646.523			646.519			646.515		
G-7	646.770			646.835			646.905						646.977			646.970			646.853		
H-8	647.121			647.184			647.210						647.317			647.325			647.147		
I-9	647.455			647.517			647.537						647.638			647.521			647.461		
J-10	647.765			647.822			647.835						647.933			647.809			647.747		
K-11	648.042			648.098			648.107						648.199			648.071			648.006		
L-12	648.292			648.346			648.351						648.439			648.309			648.244		
M-13	648.519			648.571			648.575						648.661			648.530			648.459		
N-14	648.728			648.778			648.783						648.869			648.736			648.674		
O-15	648.922			648.976			649.051						649.073			648.946			648.854		
P-16	649.118			649.173			649.251						649.272			649.154			649.093		
Q-17	649.311			649.368			649.453						649.462			649.345			649.306		
R-18	649.508			649.567			649.686						649.688			649.574			649.517		
S-19	649.704			649.765			649.887						649.892			649.779			649.722		
T-20	649.896			649.958			650.080						650.085			649.972			649.917		
U-21	650.077			650.139			650.259						650.262			650.147			650.090		
V-22	650.241			650.299			650.418						650.418			650.300			650.241		
W-23	650.562			650.628			650.555						650.552			650.429			650.369		
X-24	650.499			650.564			650.667						650.661			650.538			650.477		
Y-25	650.593			650.649			650.759						650.736			650.639			650.580		
Z-26	650.714			650.773			650.891						650.891			650.773			650.714		
AA-27	650.806			650.865			650.983						650.983			650.865			650.806		
BB-28	645.267			645.326			645.444						645.444			645.326			645.267		
CC-29	650.671			650.727			650.799						650.767			650.646			650.541		
DD-30	650.922			650.971			651.070						651.050			650.912			650.843		
EE-31	645.138			645.147			645.167						645.070			644.956			644.749		
FF-32	645.789			645.799			645.819						645.662			645.528			645.401		

TABLE OF ELEVATIONS FOR CONTROL OF SLAB THICKNESS									
SCREED LINE D				E. ROADWAY				SCREED LINE E	
SLAB CHECK POINT	TOP OF SLAB ELEVATION	BOY OF SLAB ELEVATION	COMPUTED SLAB THICKNESS	TOP OF SLAB ELEVATION	BOY OF SLAB ELEVATION	COMPUTED SLAB THICKNESS	TOP OF SLAB ELEVATION	BOY OF SLAB ELEVATION	COMPUTED SLAB THICKNESS
1-1	645.794			645.888			645.815		
2-2	646.162			646.277			646.202		
3-3	646.539			646.650			646.571		
4-4	646.908			647.007			646.921		
5-5	647.248			647.348			647.260		
6-6	647.576			647.673			647.579		
7-7	647.880			647.970			647.871		
8-8	648.151			648.239			648.134		
9-9	648.398			648.480			648.374		
10-10	648.623			648.704			648.596		
11-11	648.851			648.931			648.805		
12-12	649.089			649.172			649.009		
13-13	649.226			649.314			649.204		
14-14	649.425			649.518			649.422		
15-15	649.627			649.723			649.632		
16-16	649.826			649.924			649.834		
17-17	650.018			650.117			650.029		
18-18	650.199			650.297			650.205		
19-19	650.359			650.454			650.360		
20-20	650.497			650.588			650.491		
21-21	650.611			650.700			650.602		
22-22	650.704			650.792			650.697		
23-23	650.832			650.927			650.832		
24-24	650.924			651.019			650.924		
25-25	645.385			645.480			645.385		

CONSTRUCTION NOTE

1. These elevations on top of steel or points indicated after diaphragms are in place but before forms for concrete slab have been put in place. Read elevations to three decimals, using a target rod and enter readings in table under steel elevations.

2. Compute dimension 'X' as follows: Construction elevation minus steel elevation equals dimension 'X'. Construction elevations include camber due to weight of concrete slab, plinth, handrail, & future surfacing.

3. For setting templates measure dimension 'X' above top of steel for top of template. Do not set templates by elevations.

4. Construct handrail plinth to sidewalk grade. Do not see camber to handrail plinth.

After the slab forms are erected and before the slab reinforcement is placed, the Resident Engineer shall take field elevations at the slab thickness check points and enter them in the table in the space provided. The slab thickness shall then be computed. If the computed slab thickness varies more than 1/4" from the plan thickness, allowing 1/8" of the slab span for deflection of the form work, the form shall be adjusted until the computed slab thickness is within the tolerance allowed.

DESIGNED BY: GAC
 CHECKED BY: JCS
 DATE: 2/6/64
 DRAWN BY: JAL
 DATE: 2/6/64
 REVISIONS:
 1. JAL 2/6/64
 2. JCS 2/6/64

ELEVATIONS

KY. 107 OVER PENNYRILE PARKWAY SHEET 20

COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 CHRISTIAN
 PENNYRILE PARKWAY
 ROAD
 STATION 846+32.04 PROJECT NO. SP 24-935-ILI

BRIDGE NUMBER 161-5

BRIDGE

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

TABLE OF ELEVATIONS																					
LINE	LEFT GUTTER LINE			G 2			G 3			G ROADWAY			G 4			G 5			RIGHT GUTTER LINE		
	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X	CONST. ELEV.	TOP OF STEEL	DIM. X
A-1	645.847			645.857			645.879						645.782			645.782			645.800		
B-2	649.458			649.479			649.519						649.441			649.443			649.147		
C-3	651.063			651.065			651.107						651.112			650.995			650.881		
D-4	645.676			645.725			645.852						645.863			645.766			645.715		
E-5	646.023			646.090			646.231						646.231			646.153			646.104		
F-6	646.170			646.170			646.167						646.253			646.317			646.267		
G-7	646.710			646.836			646.965						646.977			646.810			646.835		
H-8	647.121			647.184			647.310						647.317			647.203			647.147		
I-9	647.357			647.357			647.357						647.358			647.321			647.262		
J-10	647.715			647.732			647.745						647.742			647.619			647.537		
K-11	648.075			648.130			648.239						648.231			648.103			648.039		
L-12	648.359			648.412			648.517						648.505			648.375			648.311		
M-13	648.624			648.675			648.779						648.765			648.634			648.564		
N-14	648.868			648.918			649.022						649.008			648.876			648.814		
O-15	649.095			649.147			649.253						649.245			649.119			649.057		
P-16	649.322			649.376			649.484						649.478			649.357			649.298		
Q-17	649.542			649.595			649.713						649.712			649.593			649.537		
R-18	649.715			649.823			649.942						649.944			649.830			649.744		
S-19	649.944			650.044			650.166						650.171			650.058			650.002		
T-20	650.197			650.255			650.380						650.385			650.214			650.218		
U-21	650.395			650.457			650.577						650.580			650.463			650.408		
V-22	650.575			650.633			650.752						650.752			650.634			650.575		
W-23	650.730			650.786			650.902						650.899			650.777			650.717		
X-24	650.897			650.912			651.025						651.019			650.896			650.835		
Y-25	650.960			651.015			651.125						651.122			651.005			650.947		
Z-26	651.070			651.148			651.263						651.265			651.148			651.090		
AA-27	651.185			651.243			651.360						651.360			651.243			651.185		
BB-28	645.267			645.326			645.441						645.444			645.326			645.267		
CC-29	651.043			651.085			651.169						651.134			650.981			650.904		
DD-30	651.297			651.347			651.446						651.427			651.289			651.220		
EE-31	645.158			645.167			645.167						645.072			644.856			644.749		
FF-32	645.789			645.799			645.819						645.662			645.508			645.401		

TABLE OF ELEVATIONS FOR CONTR' OF SLAB THICKNESS											
SCREENED LINE D				G. ROADWAY				SCREENED LINE E			
SLAB CHECK POINT	TOP OF SLAB ELEVATION	BOY OF SLAB ELEVATION	COMPUTED SLAB THICKNESS	TOP OF SLAB ELEVATION	BOY OF SLAB ELEVATION	COMPUTED SLAB THICKNESS	TOP OF SLAB ELEVATION	BOY OF SLAB ELEVATION	COMPUTED SLAB THICKNESS	TOP OF SLAB ELEVATION	BOY OF SLAB ELEVATION
1-1	645.792			645.858			645.815			646.202	
2-2	646.162			646.277			646.202				
3-3	646.539			646.650			646.571				
4-4	646.902			647.007			646.924				
5-5	647.248			647.348			647.260				
6-6	647.577			647.674			647.580				
7-7	647.890			647.980			647.881				
8-8	648.184			648.271			648.167				
9-9	648.463			648.547			648.441				
10-10	648.728			648.808			648.701				
11-11	648.971			649.051			648.945				
12-12	649.202			649.285			649.182				
13-13	649.430			649.517			649.418				
14-14	649.656			649.743			649.643				
15-15	649.892			649.979			649.888				
16-16	650.106			650.204			650.114				
17-17	650.319			650.419			650.330				
18-18	650.517			650.615			650.523				
19-19	650.693			650.788			650.694				
20-20	650.845			650.936			650.839				
21-21	650.969			651.058			650.960				
22-22	651.071			651.158			651.064				
23-23	651.207			651.301			651.207				
24-24	651.302			651.396			651.302				
25-25	645.385			645.480			645.385				

CONSTRUCTION NOTE

Take elevations on top of steel at points indicated after diaphragms are in place but before forms for concrete slab have been put in place. Read elevations to three decimals, using a target rod and enter readings in table under steel elevations.

2. Compute dimension "X" as follows: Construction elevation minus steel elevation equals dimension "X". Construction elevations include camber due to weight of concrete slab, plinth, handrail if future surfacing.

3. For setting templates measure dimension "X" above top of steel for top of template. Do not set templates by elevations.

4. Construct handrail plinth to sidewalk grade. Do not add camber to handrail plinth.

After the slab forms are erected and before the slab reinforcement is placed, the Resident Engineer shall take field elevations at the slab thickness check points and enter them in the table in the space provided. The slab thickness shall then be computed. If the computed slab thickness varies more than 1/4" from the plan thickness, allowing 1/8" of the slab span for deflection of the form work, the form shall be adjusted until the computed slab thickness is within the tolerance allowed.

PEN 2-2
Const Rev. No 4
Sheet Tot 7

KY. 107 OVER PENNYRILE PARKWAY		SHEET 20A	
COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
CHRISTIAN			
PENNYRILE PARKWAY			
ROAD			
STATION 846+32.04		PROJECT NO. SP 24-935-ILJ	
BRIDGE NUMBER	16755	DATE	10/75

ELEVATIONS

BRIDGE