

GENERAL NOTES

SPECIFICATIONS

KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS. CURRENT EDITION WITH REVISIONS, SHALL APPLY TO THIS PROJECT.

DESIGN LOAD:

BRIDGE DESIGNED FOR H20-44 LOADING AS SPECIFIED IN 1961 AASHTO SPECIFICATIONS.

WIND LOADS:

THIS STRUCTURE IS DESIGNED USING WIND LOADS BASED ON A WIND VELOCITY OF 80 M.P.H.

DESIGN STRESSES:

FOR CLASS "AA" REINFORCED CONCRETE:
 15 - 20,000 PSI
 15 - 1,600 PSI
 200 PSI FOR EMBEDMENT

300 PSI FOR SUMMATION OF PERIMETERS
 4,000 PSI

FOR CLASS "A" REINFORCED CONCRETE:
 15 - 20,000 PSI
 15 - 1,200 PSI
 200 PSI FOR EMBEDMENT

300 PSI FOR SUMMATION OF PERIMETERS
 3,000 PSI

FOUNDATION PRESSURE:

COMPUTED AXIAL LOAD PER PILE IS 140.0 TONS IN ABUTMENTS AND FOUNDATION PRESSURES ARE DESIGNED FOR 18,000 P.S.F. MAXIMUM FOR GROUP 1 LOADING WITH INCREASES ALLOWED FOR OTHER LOADING CONDITIONS.

CONCRETE:

CLASS "A" CONCRETE IS TO BE USED THROUGHOUT EXCEPT IN SUPERSTRUCTURE. ABOVE CONSTRUCTION JOINT AT BRIDGE SEAT ELEVATION IN ABUTMENTS, PILES, AND HANDRAILS. CLASS "AA" CONCRETE IS TO BE USED IN SUPERSTRUCTURE AND ABOVE CONSTRUCTION JOINT AT BRIDGE SEAT ELEVATION IN ABUTMENTS. CLASS "D" CONCRETE IS TO BE USED IN HIGH STRENGTH HANDRAIL.

CONSTRUCTION JOINTS:

ALL CONSTRUCTION JOINTS SHALL BE CAREFULLY FORMED. THE CONTRACTOR SHALL FURNISH SUFFICIENT MIXER CAPACITY TO PLACE THE CONCRETE BETWEEN CONSTRUCTION JOINTS AS NOTED ON THE PLANS IN A PERIOD NOT EXCEEDING TEN HOURS. CONTINUOUS RUN. AFTER ONE SECTION OF THE CONCRETE HAS BEEN PLACED, THE CONSTRUCTION JOINT SHALL BE THOROUGHLY CLEANED OF ALL LAITANCE, LOOSE AND FOREIGN MATERIAL JUST BEFORE THE CONCRETE TAKES ITS FINAL SET, WHICH IS ABOUT SIX HOURS. THE JOINTS SHALL THEN BE COVERED WITH BURLAP AND LEFT COMPLETELY SATURATED WITH WATER. FLUSH JOINTS WITH 1:2 PORTLAND CEMENT MORTAR JUST BEFORE PLACING THE ADJOINING SECTION.

FALSEWORK:

THE FALSEWORK SUPPORTING THE BOX GIRDER IN ANY SPAN OF A CONTINUOUS REINFORCED CONCRETE UNIT SHALL NOT BE REMOVED UNTIL ALL GIRDERS AND SLABS IN ALL SPANS OF THE CONTINUOUS UNIT HAVE BEEN POURED FOR AT LEAST TWENTY-ONE DAYS. THE BOTTOM SLAB OF BOX GIRDERS SHOULD BE SUPPORTED WITHOUT DEFLECTION DURING PLACEMENT AND CURING OF THE CURBS AND TOP SLAB.

REINFORCEMENT:

DIMENSIONS SHOWN FROM FACE OF CONCRETE TO BARS ARE CLEAR DISTANCES. SPACING OF BARS IS CENTER TO CENTER OF BARS.

BEVELED EDGES:

ALL EXPOSED EDGES SHALL BE BEVELED 7/8" UNLESS OTHERWISE SHOWN.

PREMOULDED CORK EXPANSION JOINT MATERIAL:

THE COST OF THIS ITEM IS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLASS "AA" CONCRETE.

STRUCTURAL STEEL:

"LUMP SUM BID" FOR STRUCTURAL STEEL SHALL BE FULL PAYMENT FOR ALL STRUCTURAL STEEL, RIVETS, BOLTS, WISHERS, STEEL PINS, CAST IRON, LEAD PLATES, MOLDED LEAD, BRONZE PLATES, WELDING AND WELDING MATERIALS, PAINT AND ALL LABOR NECESSARY TO ERECT THE STEEL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. GALVANIZED ACCESS DOOR ASSEMBLY SHALL BE INCLUDED IN THIS ITEM.

PAINT:

ALL STRUCTURAL STEEL EXCEPT MACHINE FINISHED SURFACES SHALL BE GIVEN ONE SHOP COAT OF TYPE 1 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. MACHINE FINISHED SURFACES SHALL BE COATED IN THE SHOP WITH A HOT MIXTURE OF WHITE LEAD AND TALLOW IN ACCORDANCE WITH THE SPECIFICATIONS. SHOP PAINT SHALL NOT BE APPLIED WITHIN 3" OF OPEN HOLES WHERE HIGH STRENGTH BOLTS ARE TO BE USED FOR FIELD CONNECTIONS AND SHALL NOT BE APPLIED TO STEEL SURFACES IN CONTACT WITH CONCRETE.

PLACING FILLS:

SEE STANDARD DRAWING SFS.

PILING:

PILING SHALL BE DRIVEN TO REFUSAL OR TO SUSTAIN A MINIMUM LOAD OF 90 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.

PILING TYPE:

THE CONTRACTOR SHALL USE 12" BP THROUGHOUT.

FORM WORK:

IT IS PERMISSIBLE TO LEAVE A TEMPORARY 2'-0" SQUARE OPENING THROUGH THE ABUTMENT PARAPET ENDWALL AND THE GIRDER ENDWALL TO PERMIT THE REMOVAL OF FORM LUMBER. ANY SUCH OPENING SHALL BE CLOSED AFTER THE FORMS ARE REMOVED. LUMP SUM BID FOR BOX GIRDER FORM REMOVAL SHALL BE FULL PAYMENT FOR ALL WORK WHEREIN VERTICAL STEM FORMS AND LOOSE FORM LUMBER SHALL BE COMPLETELY REMOVED FROM WITHIN THE BOX GIRDER CELLS AND WHEREIN FORM PANEL ASSEMBLIES FOR THE UNDERSIDE OF THE TOP SLAB SHALL BE DISENGAGED FROM CONTACT WITH THE TOP SLAB AND MAY BE LAID ASIDE AND REMAIN WITHIN THE BOX GIRDER CELLS AS DIRECTED BY THE ENGINEER.

PROTECTIVE COATING:

THE PROTECTIVE COATING SHALL BE ACCORDING TO "THE SPECIAL PROVISION NO. 8 FOR LINSEED OIL PROTECTIVE COATING".

CRUSHED AGGREGATE SLOPE PROTECTION:

CRUSHED AGGREGATE SLOPE PROTECTION SHALL CONSIST OF SIZE NO. 1 OR SIZE NO. 2 CRUSHED LIMESTONE OR 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 INCHES IN 4 FEET FROM A TRUE PLANE. HAND PLACING WILL NOT BE REQUIRED OTHER THAN 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 ACROSS THE BERM AND DOWN THE SLOPE TO 2' BELOW THE TOE OF THE SLOPE. SHALL EXTEND FROM ONE TOE OF MEDIAN BERM TO THE OTHER TOE. AND SHALL EXTEND LATERALLY TO 10' BEYOND THE OUTER EDGES OF THE SUPERSTRUCTURE.

CONSTRUCTION IDENTIFICATION:

THE NAMES OF THE PRIME CONTRACTOR AND THE SUB-CONTRACTOR 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 FOR WHICH NO DIRECT PAYMENT WILL BE MADE.

HIGH STRENGTH HANDRAIL:

THE CONTRACTOR SHALL PROVIDE THROUGHOUT THE PROJECT, ON CROSS ROADS OVER THE MAIN LINE, HIGH STRENGTH CONCRETE HANDRAIL IN ACCORDANCE WITH STANDARD DRAWING H1505.

BEARING PLATES:

BEARING PLATES MUST BE TRUE AND FREE OF WARP.

MILL TEST REPORTS:

NOTARIZED STATEMENTS IN TRIPLICATE SHALL BE FURNISHED THE DEPARTMENT OF HIGHWAYS SHOWING THAT ALL STRUCTURAL STEEL FURNISHED MEETS SPECIFICATIONS.

WELDING MATERIAL:

WELDING MATERIAL SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARD SPECIFICATIONS FOR WELDED HIGHWAY AND RAILWAY BRIDGES. CURRENT SPECIFICATIONS ARE SUBSEQUENT ADOPTED AMENDMENTS.

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 HEAT TO ASSURE FREE FLOW OF LEAD TO BOTTOM OF HOLE.

SHOP PLANS:

THE CONTRACTOR SHALL FURNISH THE DEPARTMENT OF HIGHWAYS WITH COMPLETE SHOP DETAIL PLANS FOR APPROVAL.

SELF-LUBRICATING BEARING PLATES:

SELF LUBRICATING PLATES SHALL BE LUBRITIC OR APPROVED EQUAL AND BE AN ARTICLE OF STANDARD PRODUCTION BY AN ESTABLISHED MANUFACTURER OF SUCH EQUIPMENT. THEY SHALL BE PROVIDED WITH TREPANED RECESSES (NOT GROOVES) WHICH SHALL BE FILLED WITH A LUBRICATING COMPOUND CAPABLE OF WITHSTANDING THE ATMOSPHERIC ELEMENTS AND CONSISTING OF GRAPHITE AND METALLIC SUBSTANCES WITH A LUBRICATING BINDER. THE COMPOUND SHALL BE PRESSED INTO THE RECESSES BY HYDRAULIC PRESSURE SO AS TO FORM DENSE, NON-PLASTIC LUBRICATING INSERTS. THE LUBRICATING AREA SHALL COMPRISE NOT LESS THAN 25% OF THE TOTAL AREA. THE BEARING METAL SHALL BE CAST BRONZE ALLOY ASTM B-22-61, ALLOY A OR ASTM B100-61 ALLOY 1.

CONST. PROCEDURE FOR ABUTS.

1. PLACE FILL AT ABUTMENTS TO APPROXIMATE LIMITS OF FINISHED GRADE AS SHOWN ON ROADWAY PLANS.
2. EXCAVATE FOR FOOTINGS AND DRIVE PILES.
3. DRESS SUBGRADE AT FOOTINGS AND PLACE STONE OR MORTAR BASE. POUR BOTH FOOTINGS. POUR ① SHEETS 4, 5 & 8, 9.
4. AFTER BACKFILLING AT THE FRONT FOOTING EXCAVATE FOR SIDEWALLS. PLACE STONE OR MORTAR BASE. PLACE CURBS FOR SIDEWALLS AND POUR FROTHWALL AND SIDEWALLS TO BRIDGE SEAT. POUR ② SHEETS 4, 5 & 8, 9.
5. BACKFILL SIDEWALLS AND MAKE FINAL GRADING INSIDE OF ABUTMENT BEFORE PLACING FORMS AND SHORING FOR DECK GIRDERS. SPECIAL CAR SHALL BE EXERCISED TO AVOID DAMAGE TO FROTHWALL, BACKWALL AND SIDEWALL.
6. COMPLETE POURING OF THE BACKWALL, FROTHWALL ABOVE BRIDGE SEAT, GIRDERS AND SLABS. POUR ③ & ④ SHEETS 4, 5 & 8, 9.
7. PLACE THE CURBS AND WINGS. POUR ⑤ SHEETS 4, 5, 6, 8 & 10.
8. PLACE PLINTH AND RAILING CONTINUOUSLY OVER ABUTMENTS AND SUPERSTRUCTURE. POUR ⑥ SHEETS 5 & 9.
9. THE CONTRACTOR MUST REMOVE ALL FORM WORK FROM INSIDE ABUTMENT.
10. POURING PROCEDURES STEPS ARE MARKED THUS ⑤.

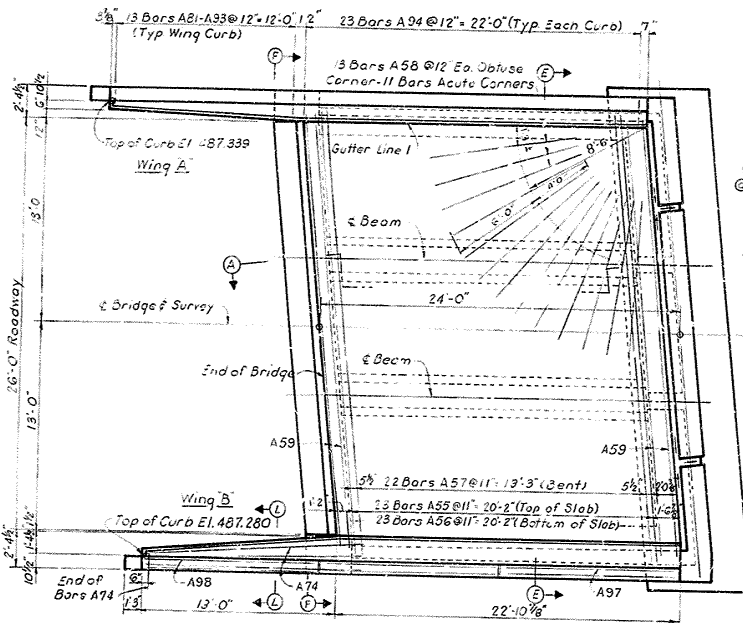
Ky 862 over Pennyrile Hwy.

Sheet 2

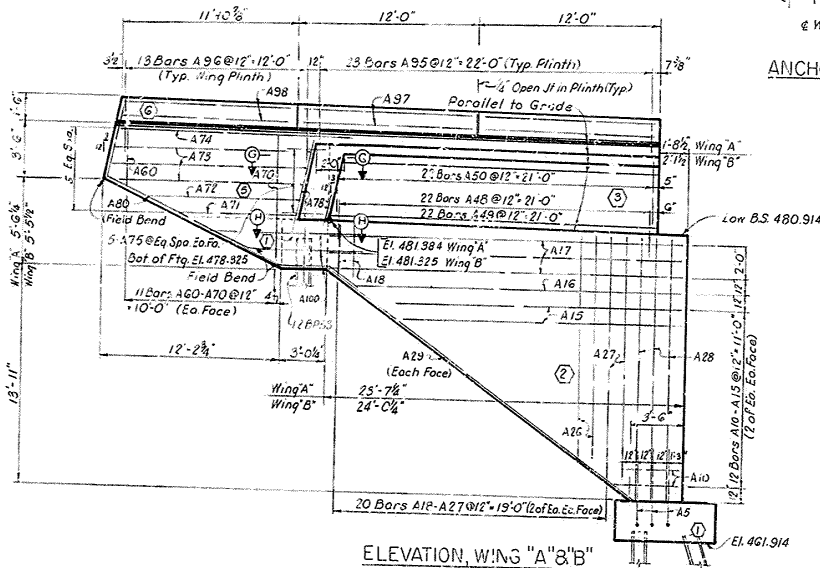
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DEPARTMENT OF HIGHWAYS			
FRANKFORT			
COUNTY OF			
HOPKINS			
PENNYRILE PARKWAY			
ROAD			
STATION	4170+56.00	PROJECT NO.	
BRIDGE NUMBER	18965	DRAWING NO.	

NOTES

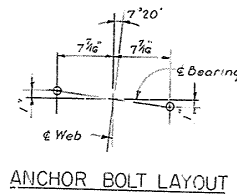
BRIDGE



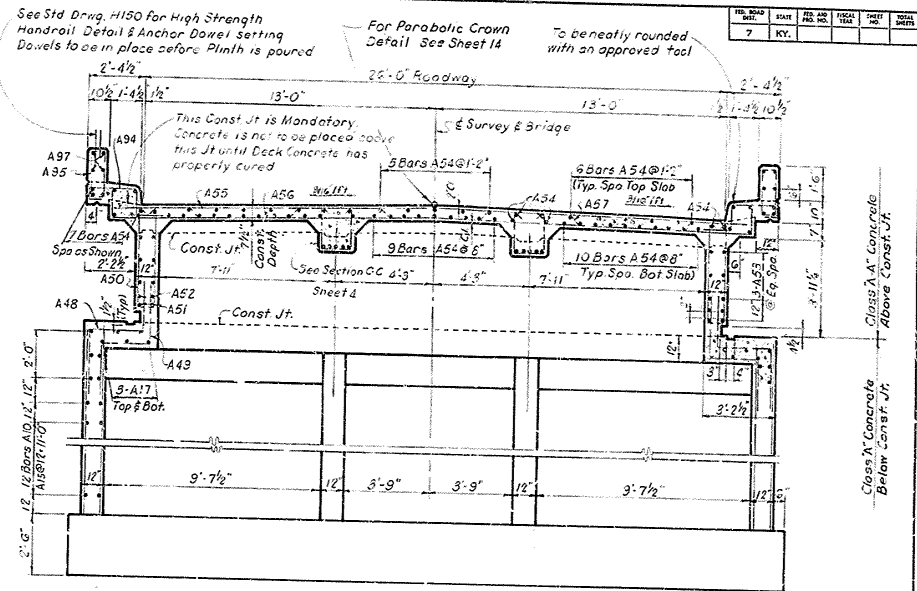
PLAN OF SLAB



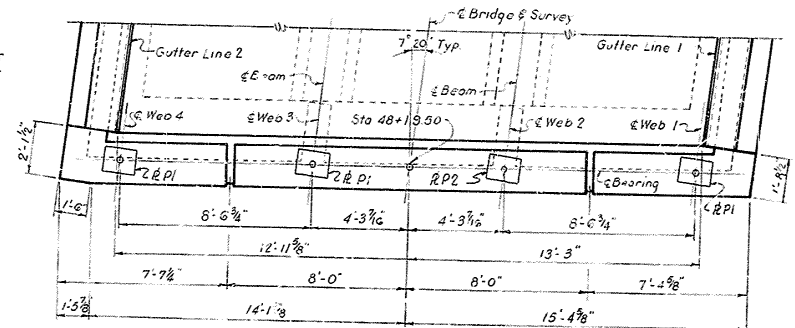
ELEVATION, WING "A" 8'B"



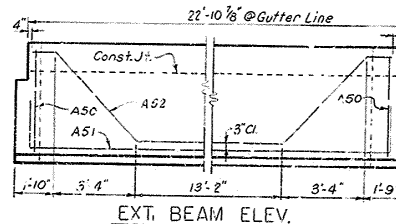
ANCHOR BOLT LAYOUT



SECTION E-E



PLAN OF CAP



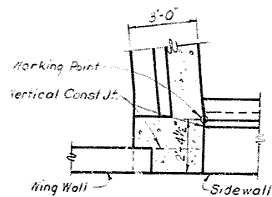
EXT. BEAM ELEV.

ABUTMENT I

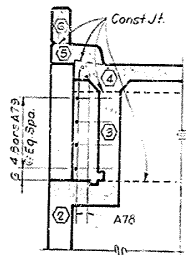
Pouring Procedure steps are indicated in (X)
Ky 862 over Pennyrile Parkway Sheet 5

COMMONWEALTH OF KENTUCKY	
DEPARTMENT OF HIGHWAYS	
FRANKFORT	
COUNTY OF	
HOPKINS	
PENNYRILE PARKWAY	
ROAD	
STATION 2120+46.00	PROJECT NO.
BRIDGE NUMBER	DESIGN NO.
	19865

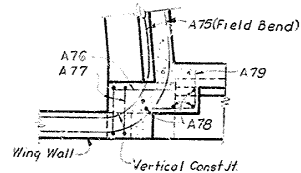
BRIDGE



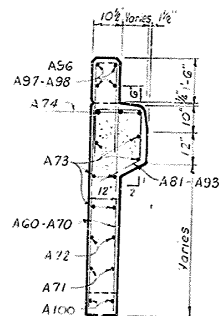
SECTION II-II



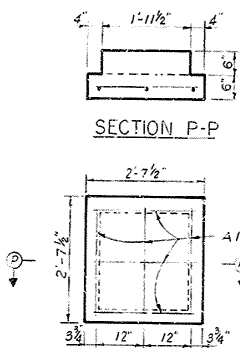
SECTION J-J



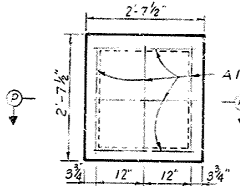
SECTION G-G



SECTION L-L



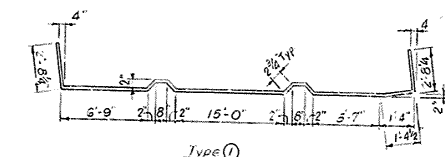
SECTION P-P



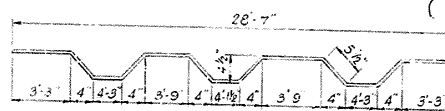
PRECAST CONCRETE
ACCESS COVER

BILL OF REINFORCEMENT

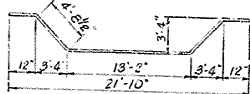
Bar	Type	Number	Length ft	Location	a	b	c	Bar	Type	Number	Length ft	Location	a	b	c
7					ft	in	ft	7					ft	in	ft
A1	Str	6	5	Feetings				A53	Str	2	5	Ext Beam			
A2	Str	16	31					A54	Str	2	5				
A3	Str	32	5					A55	Str	2	5	Sloot			
A4	Str	7	31					A56	Str	2	5				
A5	Str	43	10	Dowels	0	9	5	A57	Str	2	5				
A6	Str	27	11	Backwall Flg.	2	5	2	A58	Str	2	5				
A7	Str	24	9		0	9	6	A59	Str	2	5				
A8	Str	24	6		1	3	5	A60	Str	2	5				
A9	Str	9	30					A61	Str	2	5				
A10	Str	8	4	Sidewall				A62	Str	2	5	Wing			
A11	Str	2	4					A63	Str	2	5				
A12	Str	3	4					A64	Str	2	5				
A13	Str	6	4					A65	Str	2	5				
A14	Str	5	4					A66	Str	2	5				
A15	Str	8	4					A67	Str	2	5				
A16	Str	4	4					A68	Str	2	5				
A17	Str	20	5					A69	Str	2	5				
A18	Str	3	4					A70	Str	2	5				
A19	Str	5	4					A71	Str	2	5				
A20	Str	8	4					A72	Str	2	5				
A21	Str	5	4					A73	Str	2	5				
A22	Str	5	4					A74	Str	2	5				
A23	Str	5	4					A75	Str	2	5				
A24	Str	8	4					A76	Str	2	5				
A25	Str	8	4					A77	Str	2	5				
A26	Str	8	4					A78	Str	2	5				
A27	Str	8	4					A79	Str	2	5				
A28	Str	12	8					A80	Str	2	5				
A29	Str	4	5					A81	Str	2	5				
A30	Str	31	1					A82	Str	2	5				
A31	Str	2	6					A83	Str	2	5				
A32	Str	5	4					A84	Str	2	5				
A33	Str	16	5					A85	Str	2	5				
A34	Str	18	5					A86	Str	2	5				
A35	Str	12	8					A87	Str	2	5				
A36	Str	3	4					A88	Str	2	5				
A37	Str	3	4					A89	Str	2	5				
A38	Str	2	6					A90	Str	2	5				
A39	Str	2	6					A91	Str	2	5				
A40	Str	2	6					A92	Str	2	5				
A41	Str	8	5					A93	Str	2	5				
A42	Str	3	5					A94	Str	2	5				
A43	Str	10	5					A95	Str	2	5				
A44	Str	3	6					A96	Str	2	5				
A45	Str	3	6					A97	Str	2	5				
A46	Str	10	11					A98	Str	2	5				
A47	Str	4	6					A99	Str	2	5				
A48	Str	4	4					A100	Str	2	5				
A49	Str	4	4												
A50	Str	4	4												
A51	Str	4	4												



Type 1



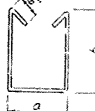
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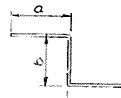
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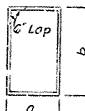
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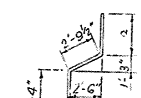
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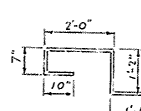
Type 6



Type 7



Type 8



Type 9



Type 10



Type 11

ESTIMATE OF QUANTITIES		
Class A Concrete	75.1	Cu Yds
Class AA Concrete	22.7	Cu Yds
Steel Reinforcement	22,533	Lbs

Ky 862 over Pennyrile Parkway Sheet G

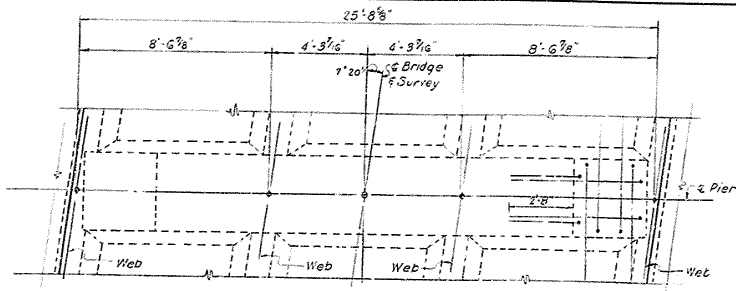
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
HOPKINS
PENNYRILE PARKWAY
ROAD

STATION 2120+46.00 PROJECT NO. 1885

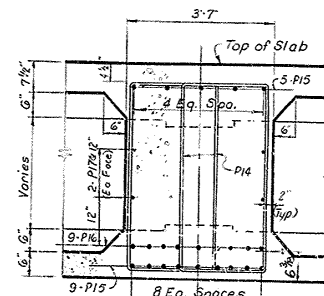
BRIDGE NUMBER INCHES

ABUTMENT I

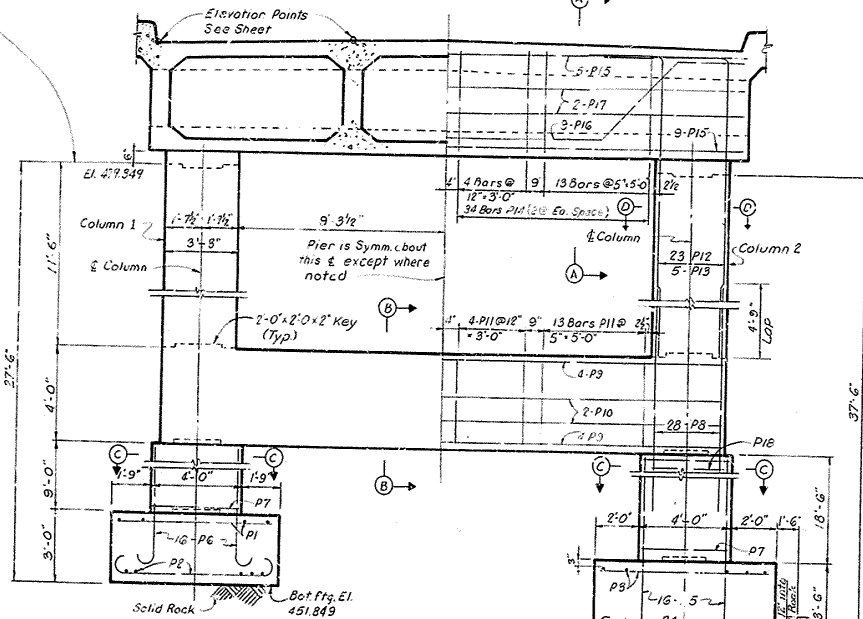
BRIDGE



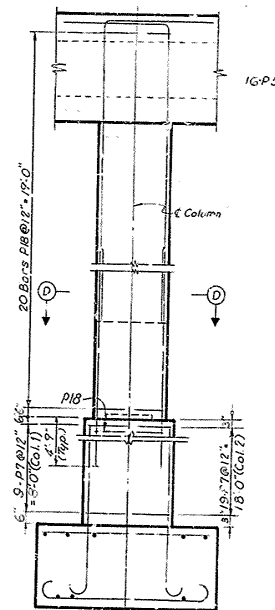
PLAN OF CAP



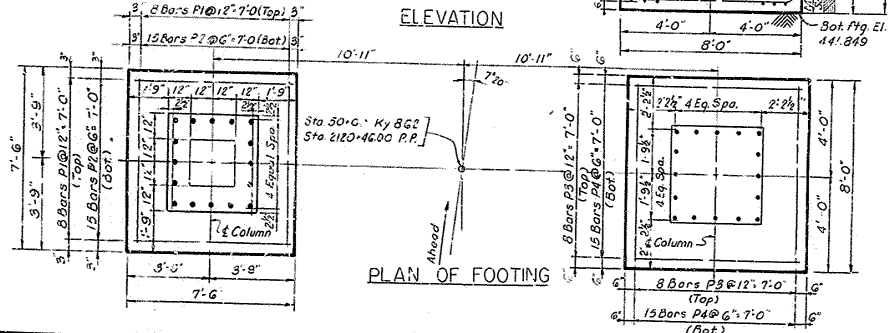
SECTION A-A



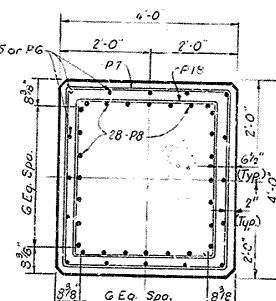
ELEVATION



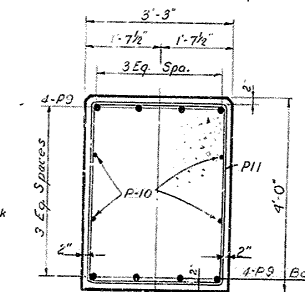
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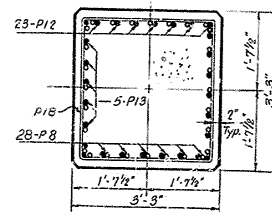
PLAN OF FOOTING



SECTION C-C



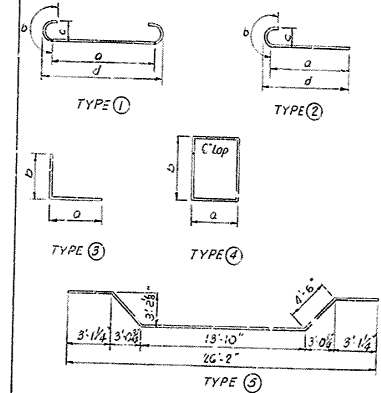
SECTION B-B



SECTION D-D

PIER

BILL OF REINFORCEMENT										NO. BARS	STATE	FEET	FEET	FEET	FEET	FEET	FEET	FEET	FEET
Bar	Type	Size	Length	Location	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft
P1	1	30	6	Footings	6	0	11	0	6	7	2								
P2	1	30	6	Footings	6	0	11	0	6	7	2								
P3	1	30	6	Footings	6	0	11	0	6	7	2								
P4	1	30	6	Footings	6	0	11	0	6	7	2								
P5	1	30	6	Footings	6	0	11	0	6	7	2								
P6	1	30	6	Footings	6	0	11	0	6	7	2								
P7	1	30	6	Footings	6	0	11	0	6	7	2								
P8	1	30	6	Footings	6	0	11	0	6	7	2								
P9	1	30	6	Footings	6	0	11	0	6	7	2								
P10	1	30	6	Footings	6	0	11	0	6	7	2								
P11	1	30	6	Footings	6	0	11	0	6	7	2								
P12	1	30	6	Footings	6	0	11	0	6	7	2								
P13	1	30	6	Footings	6	0	11	0	6	7	2								
P14	1	30	6	Footings	6	0	11	0	6	7	2								
P15	1	30	6	Footings	6	0	11	0	6	7	2								
P16	1	30	6	Footings	6	0	11	0	6	7	2								
P17	1	30	6	Footings	6	0	11	0	6	7	2								
P18	1	30	6	Footings	6	0	11	0	6	7	2								



ESTIMATE OF QUANTITIES		
Class 'A' Concrete	51.8	Cu Yds
Steel Reinforcement	18,949	Lbs.

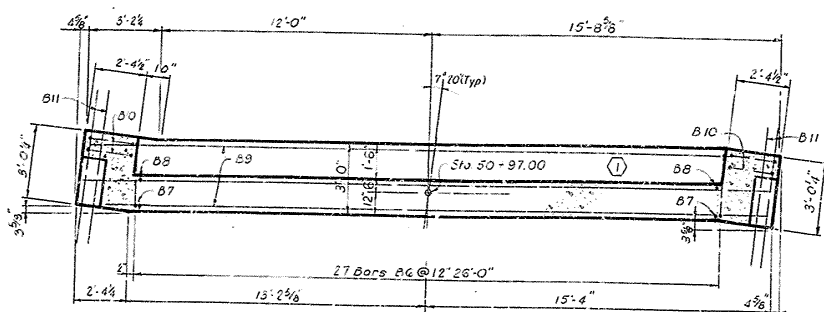
Ky 862 over Pennyrlle Parkway Sheet 7

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

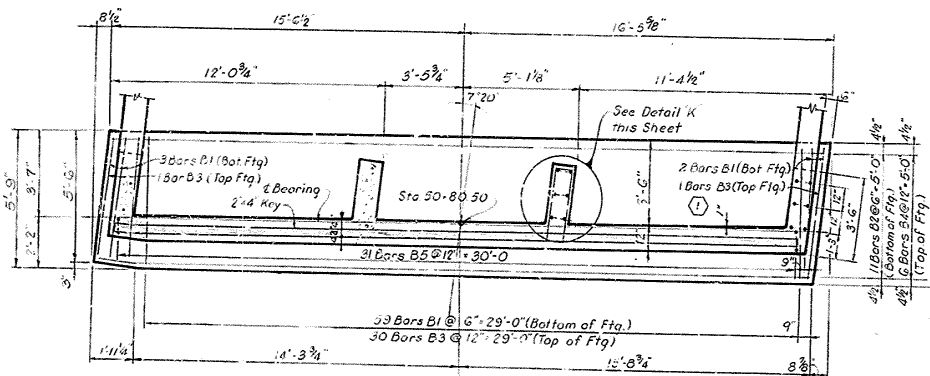
STATION 2120+0.00 PROJECT NO. 16865
 BRIDGE NUMBER 16865

BRIDGE

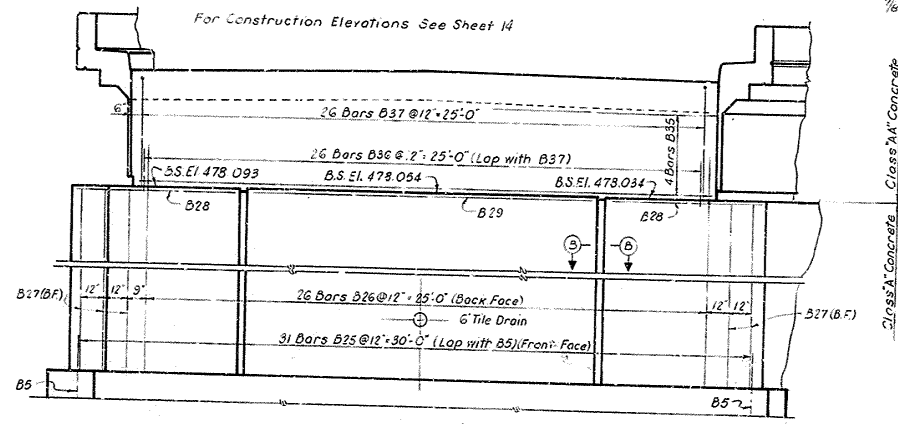
REV.	DATE	BY	CHKD.	APP.	NO.	TOTAL SHEETS
7						



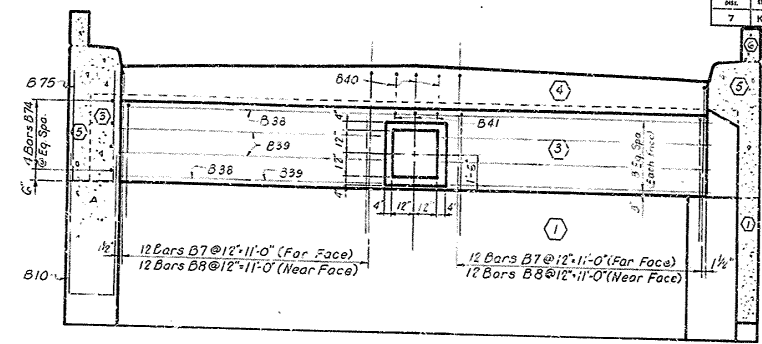
PLAN OF BACKWALL FOOTING



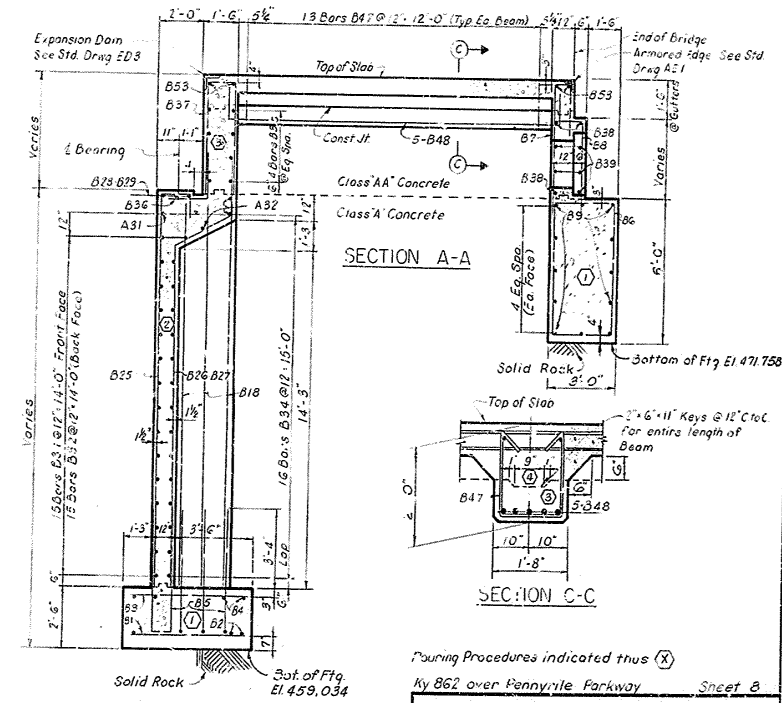
PLAN OF FOOTING



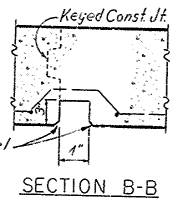
ELEVATION



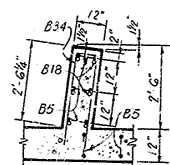
SECTION F-F
ELEVATION OF BACKWALL



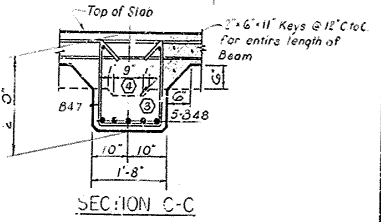
SECTION A-A



SECTION B-B



DETAIL "K"



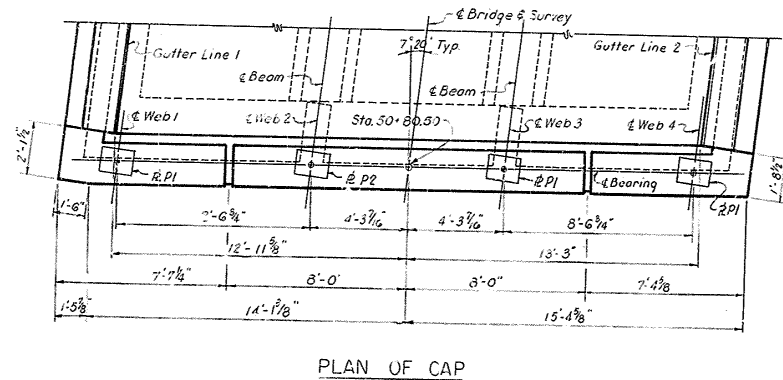
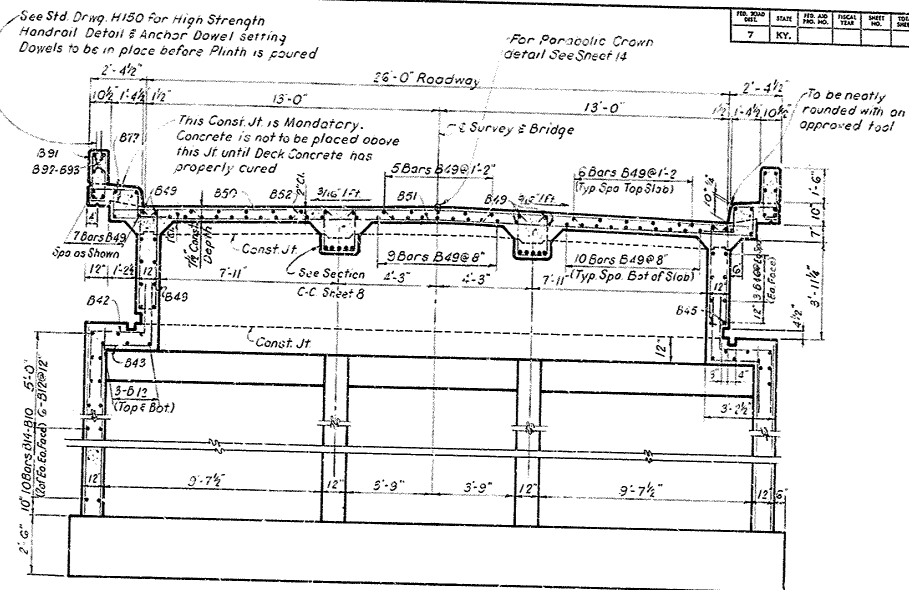
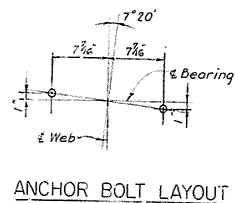
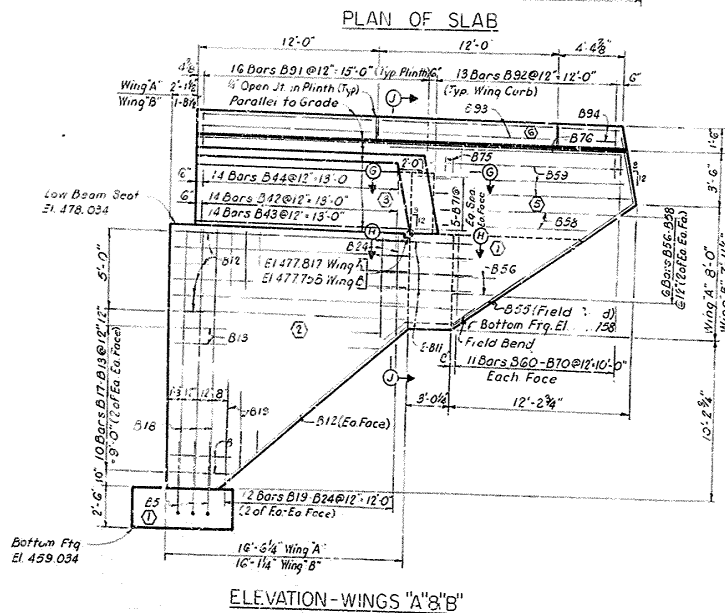
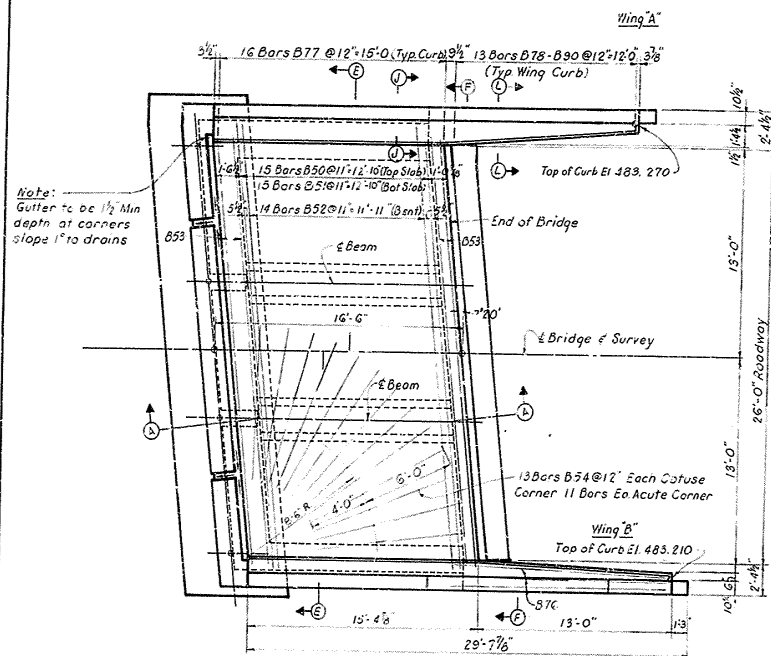
SECTION C-C

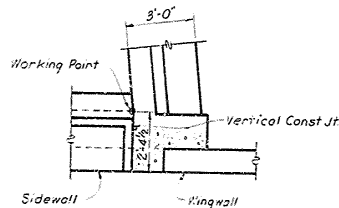
Pouring Procedures indicated thus (X)
Ky 862 over Pennyville Parkway

COMMONWEALTH OF KENTUCKY			
DEPARTMENT OF HIGHWAYS			
FRANKFORT COUNTY OF			
HOPKINS			
PENNYVILLE PARKWAY			
ROAD			
STATION	2120+46.00	PROJECT NO.	
BRIDGE NUMBER		DESIGN NO.	16865
		BOOK	

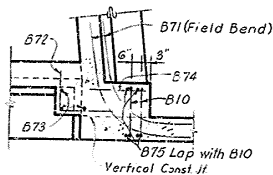
ABUTMENT 2

BRIDGE

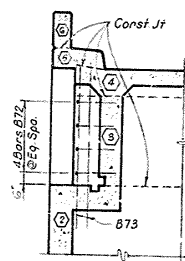




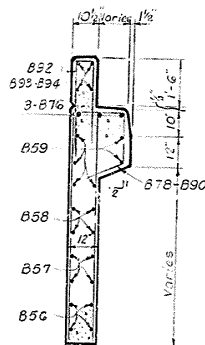
SECTION H-H



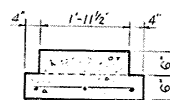
SECTION G-G



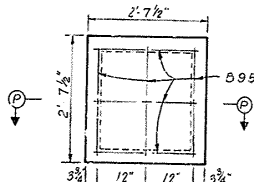
SECTION J-J



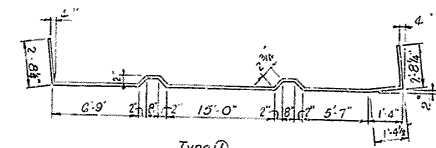
SECTION L-L



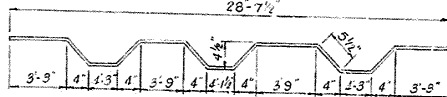
SECTION P-P



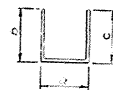
PRECAST CONCRETE ACCESS COVER



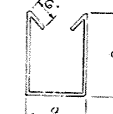
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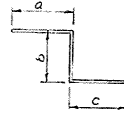
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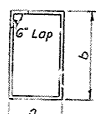
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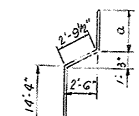
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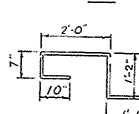
Type 5



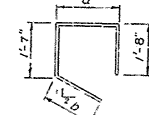
Type 6



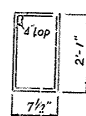
Type 7



Type 8



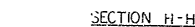
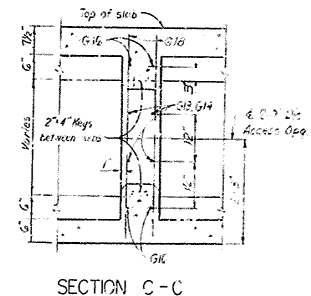
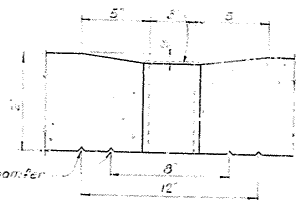
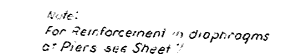
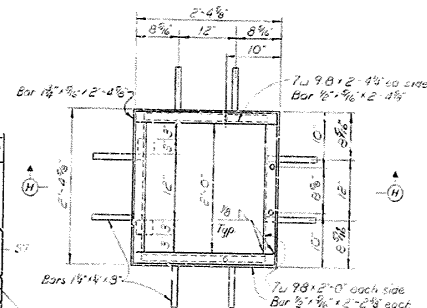
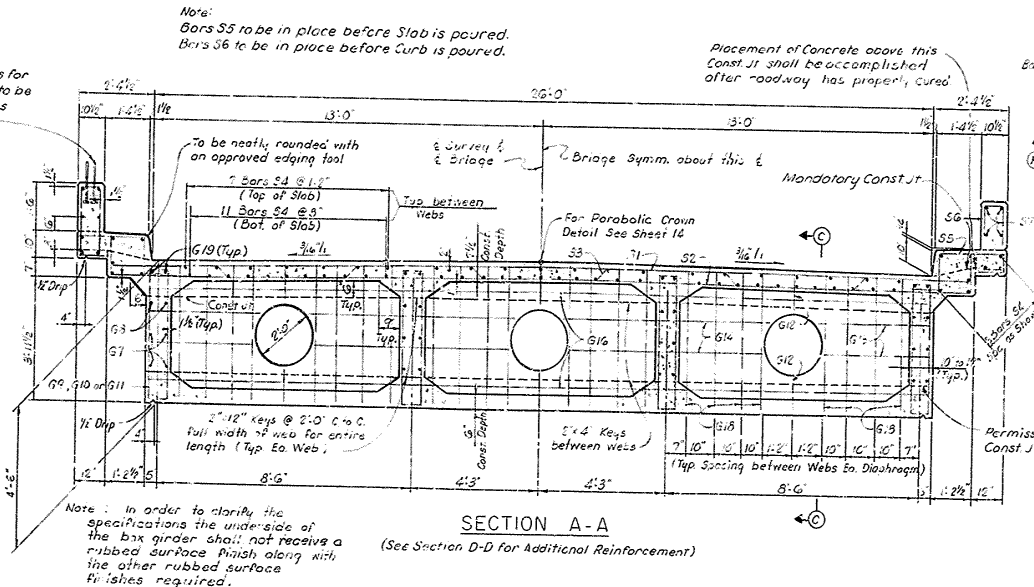
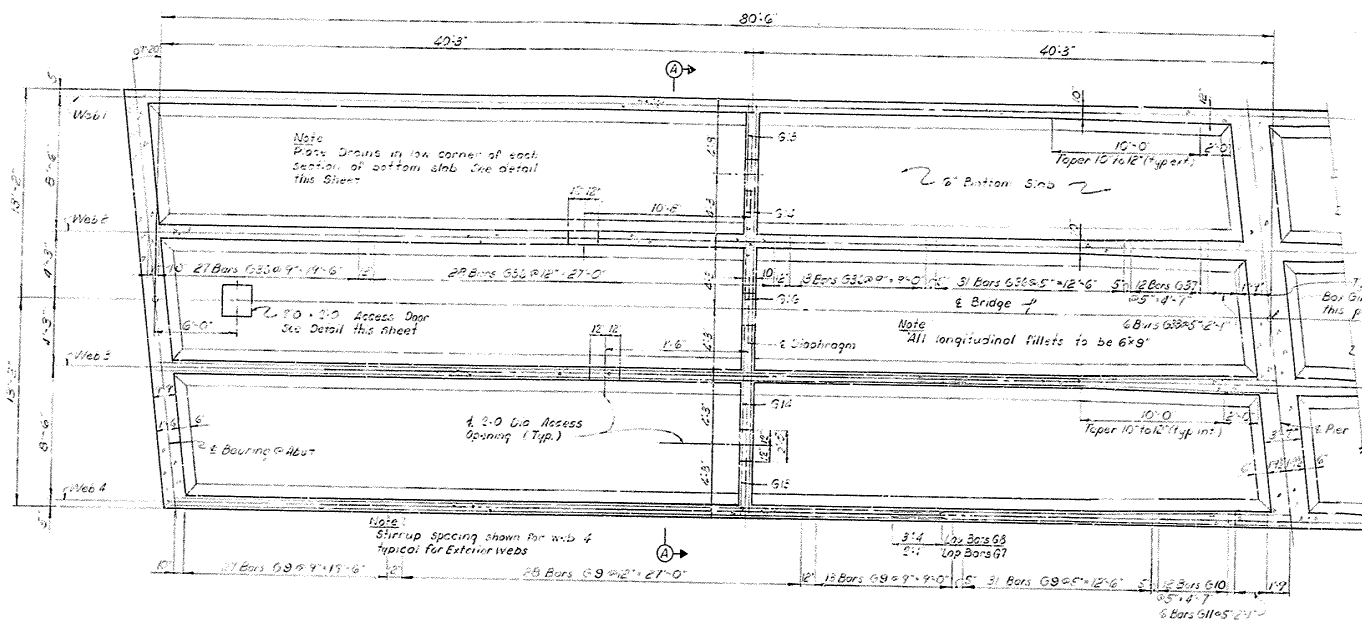
Type 9



Type 10

BILL OF REINFORCEMENT

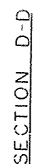
BILL OF REINFORCEMENT														FIN. BOND DATE	PRINT KY.	NO. OF REIN. BARS	LOCAL TEST	NO. OF REIN. BARS	NO. OF REIN. BARS							
Qty.	Type	Bar Size	Length ft.	Location	a	b	c	d	e	f	g	h	i	Bar Type	Bar Size	Length ft.	Location	a	b	c	d	e	f	g	h	i
51	Str	GA	6	5										852(G)	14	25	29	4								
52	-	11	6	3										853	Str	4	25	28	0							
53	-	32	5	5										854	-	18	6	10	0							
54	4	6	5	31	8									855	-	4	24	13	0							
55	(2)	4.5	8	10	7									856	-	8	24	3	2							
56	Str	16	5	17	0									857	-	8	24	6	1							
57	(2)	24	6	9	4									858	-	8	24	9	11							
58	-	24	6	2										859	-	12	24	12	6							
59	Str	12	16	90	2									860	-	4	24	10	9							
60	(2)	4	6	14	6									861	-	4	24	10	1							
61	-	24	6	6	3									862	-	4	24	9	6							
62	-	5	5	15	10									863	-	4	24	8	10							
63	-	8	24	13	9									864	-	4	24	8	2							
64	-	8	24	11	4									865	-	4	24	7	6							
65	-	8	24	8	11									866	-	4	24	6	10							
66	-	8	24	6	6									867	-	4	24	6	2							
67	-	3	24	4	0									868	-	4	24	5	6							
68	-	24	8	16	3									869	-	4	24	4	11							
69	-	8	24	14	0									870	-	4	24	4	1							
70	-	8	24	12	4									871	-	20	24	8	1							
71	-	8	24	10	8									872	(2)	8	24	4	1							
72	-	8	24	9	4									873	Str	6	24	5	0							
73	-	8	24	7	4									874	-	8	24	2	6							
74	-	8	24	5	8									875	(2)	4	25	11	10							
75	(2)	31	8	19	7									876	Str	6	28	17	0							
76	(2)	26	8	20	8									877	(5)	32	25	5	4							
77	-	5	8	17	7									878	(5)	2	25	5	3							
78	Str	6	5	6	10									879	-	2	25	5	7							
79	-	3	5	15	5									880	-	2	25	5	4							
80	-	-	-	-	-									881	-	2	25	5	9							
81	(1)	16	5	36	2									882	-	2	25	5	11							
82	Str	18	5	30	6									883	-	2	25	6	1							
83	-	-	-	-	-									884	-	2	25	6	3							
84	(2)	32	4	6	7									885	-	2	25	6	5							
85	Str	8	5	26	0									886	-	2	25	6	7							
86	(2)	26	2	4	5									887	-	2	25	6	8							
87	(2)	26	6	10	0									888	-	2	25	6	10							
88	Str	3	5	28	6									889	-	2	25	7	0							
89	-	10	5	12	6									890	-	2	25	7	2							
90	(2)	3	8	4	7									891	(16)	32	25	5	10							
91	-	5	6	1	6									892	(2)	20	25	6	0							
92	(3)	28	4	7	4									893	Str	16	24	1	8							
93	-	28	6	10										894	-	8	24	3	1							
94	(2)	28	4	10	0									895	-	6	25	2	5							
95	(2)	4	20	16	4																					
96	Str	12	14	14	2																					
97	(7)	26	5	5	8																					
98	(2)	10	9	16	10																					
99	Str	72	5	14	6																					
100	-	5	5	23	7																					
101	(2)	5	5	30	9																					
102	(2)	18	7	1	2	1	2	1	2																	



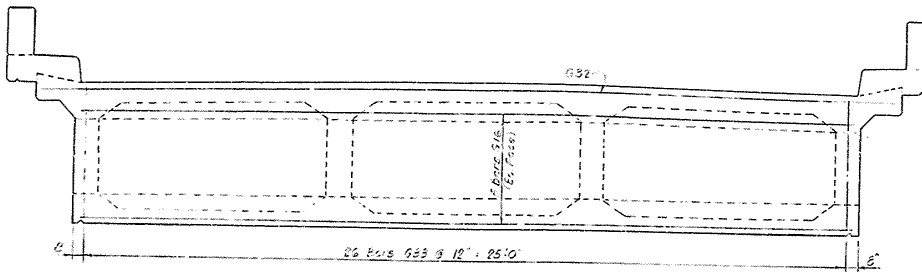
SUPERSTRUCTURE

No. B56 over Pennyrile Parkway
 2001 11
COMMONWEALTH OF KENTUCKY
 DEPARTMENT OF HIGHWAYS
 FRANKFORT
 COUNTY OF
 HOPKINS
 PENNYRILE PARKWAY
 ROAD
 STATION 2001-4670 PROJECT NO.
 BRIDGE NO. 04190
 NUMBER 10025 DEC.

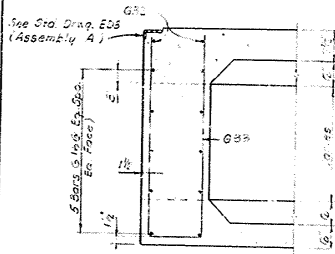
REPORTED BY <u>DGM</u>	CHECKED BY <u>1/P</u>	DATE <u>12/6</u>	BY <u>1/P</u>	DATE <u>12/6</u>
REMARKS BY <u>MPS</u>	CHECKED BY <u>1/P</u>	DATE <u>12/6</u>	BY <u>1/P</u>	DATE <u>12/6</u>
REMARKS BY _____	CHECKED BY _____	DATE _____	BY _____	DATE _____



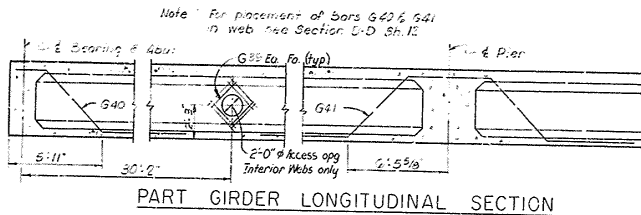
BRIDGE



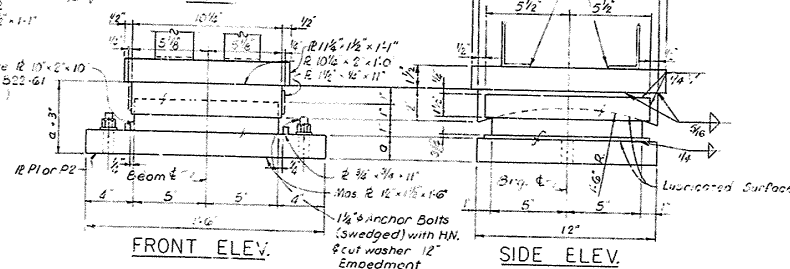
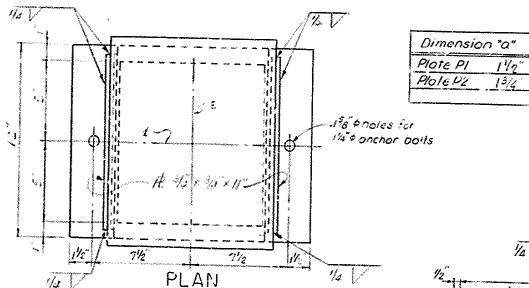
ELEVATION E-E



SECTION F-F



PART GIRDER LONGITUDINAL SECTION

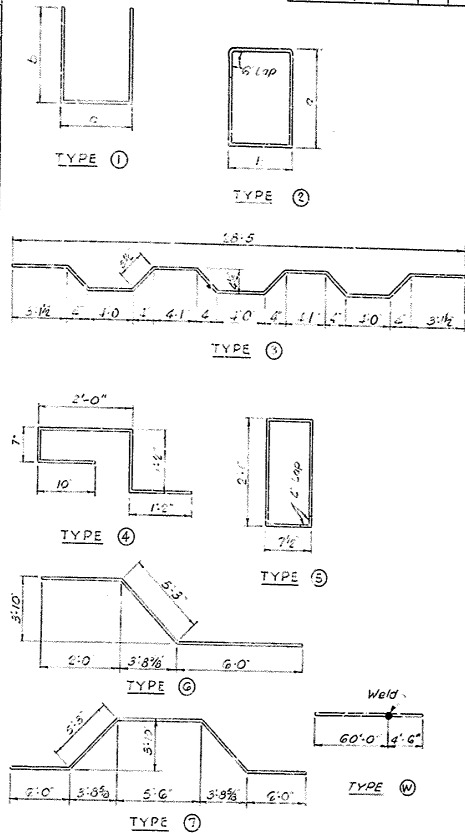


FRONT ELEV.

SIDE ELEV.

BILL OF REINFORCEMENT

Bar	Type	Size	Length	Location	a	b	c	d
Bar	Type	Size	Length	Location	a	b	c	d
G1	(W)	20	11	6	1	1	1	1
G2	Str	24	11	6	1	1	1	1
G3	Str	24	11	6	1	1	1	1
G4	Str	24	11	6	1	1	1	1
G5	(1)	18	11	6	1	1	1	1
G6	Str	24	11	6	1	1	1	1
G7	Str	24	11	6	1	1	1	1
G8	Str	24	11	6	1	1	1	1
G9	Str	24	11	6	1	1	1	1
G10	Str	24	11	6	1	1	1	1
G11	Str	24	11	6	1	1	1	1
G12	Str	24	11	6	1	1	1	1
G13	Str	24	11	6	1	1	1	1
G14	Str	24	11	6	1	1	1	1
G15	Str	24	11	6	1	1	1	1
G16	Str	24	11	6	1	1	1	1
G17	Str	24	11	6	1	1	1	1
G18	Str	24	11	6	1	1	1	1
G19	Str	24	11	6	1	1	1	1
G20	Str	24	11	6	1	1	1	1
G21	Str	24	11	6	1	1	1	1
G22	Str	24	11	6	1	1	1	1
G23	Str	24	11	6	1	1	1	1
G24	Str	24	11	6	1	1	1	1
G25	Str	24	11	6	1	1	1	1
G26	Str	24	11	6	1	1	1	1
G27	Str	24	11	6	1	1	1	1
G28	Str	24	11	6	1	1	1	1
G29	Str	24	11	6	1	1	1	1
G30	Str	24	11	6	1	1	1	1
G31	Str	24	11	6	1	1	1	1
G32	Str	24	11	6	1	1	1	1
G33	Str	24	11	6	1	1	1	1
G34	Str	24	11	6	1	1	1	1
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G36	Str	24	11	6	1	1	1	1
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G38	Str	24	11	6	1	1	1	1
G39	Str	24	11	6	1	1	1	1
G40	Str	24	11	6	1	1	1	1
G41	Str	24	11	6	1	1	1	1
G42	Str	24	11	6	1	1	1	1
G43	Str	24	11	6	1	1	1	1
G44	Str	24	11	6	1	1	1	1
G45	Str	24	11	6	1	1	1	1
G46	Str	24	11	6	1	1	1	1
G47	Str	24	11	6	1	1	1	1
G48	Str	24	11	6	1	1	1	1
G49	Str	24	11	6	1	1	1	1
G50	Str	24	11	6	1	1	1	1
G51	Str	24	11	6	1	1	1	1
G52	Str	24	11	6	1	1	1	1
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G56	Str	24	11	6	1	1	1	1
G57	Str	24	11	6	1	1	1	1
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G86	Str	24	11	6	1	1	1	1
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G90	Str	24	11	6	1	1	1	1
G91	Str	24	11	6	1	1	1	1
G92	Str	24	11	6	1	1	1	1
G93	Str	24	11	6	1	1	1	1
G94	Str	24	11	6	1	1	1	1
G95	Str	24	11	6	1	1	1	1
G96	Str	24	11	6	1	1	1	1
G97	Str	24	11	6	1	1	1	1
G98	Str	24	11	6	1	1	1	1
G99	Str	24	11	6	1	1	1	1
G100	Str	24	11	6	1	1	1	1



ESTIMATE OF QUANTITIES		
Concrete, Class AA	335.0	Cu Yds.
Steel Reinforcement	115.825	Lbs.

TYPICAL DOUBLE-VEE GROOVE WELD

Welding shall be made in compliance with Recommended Practices for Welding Reinforcing Steel, AWS D12.1-61. Welding material and labor to be included in unit price bid for reinforcing steel. No direct payment will be made for Welding Material.

SUPERSTRUCTURE

Ky. 862 over Pennyrcile Parkway Sheet 13

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

FRANKFORT

COUNTY OF

HOPKINS

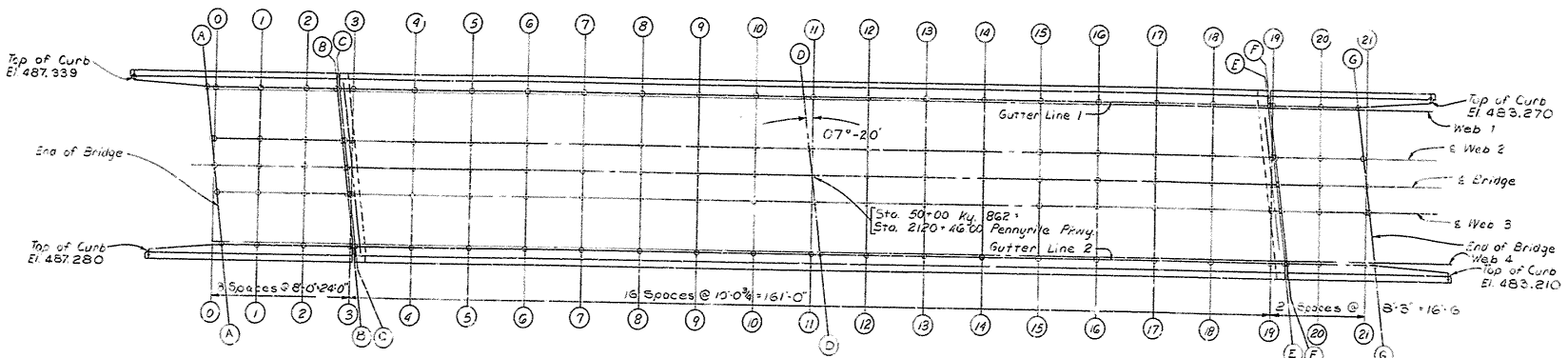
PENNYRCILE PARKWAY

ROAD

STATION 2120+46.00 PROJECT NO.

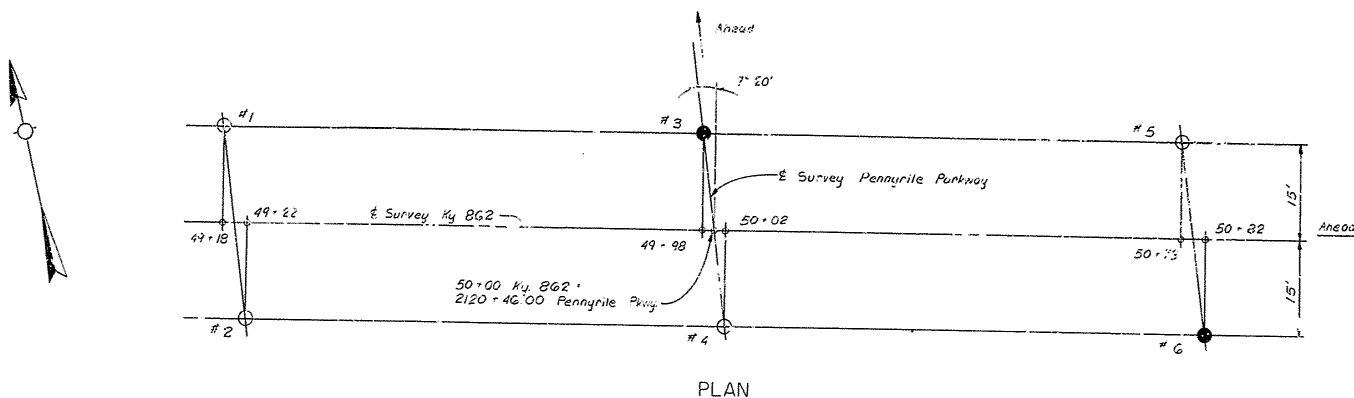
BRIDGE NUMBER 16865

BRIDGE

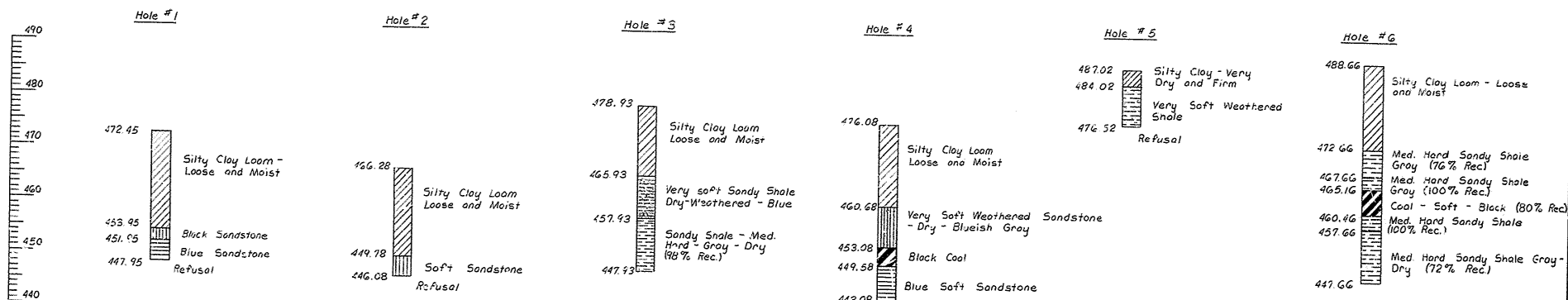


PLAN

Location	A-A	B-B	C-C	D-D	E-E	F-F	G-G	H-H	I-I	J-J	K-K	L-L	M-M	N-N	O-O	P-P	Q-Q	R-R	S-S	T-T	U-U	V-V	W-W	X-X	Y-Y	Z-Z	AA-AA	BB-BB	CC-CC	DD-DD	EE-EE	FF-FF	GG-GG	HH-HH	II-II	JJ-JJ	KK-KK	LL-LL	MM-MM	NN-NN	OO-OO	PP-PP	QQ-QQ	RR-RR	SS-SS	TT-TT	UU-UU	VV-VV	WW-WW	XX-XX	YY-YY	ZZ-ZZ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Gutter Line 1	486.274	486.864	487.858	488.104	488.751	489.945	492.669	496.245	496.111	489.964	485.821	485.678	485.530	485.365	485.181	484.980	484.771	484.562	484.376	484.213	484.065	483.916	483.754	483.574	483.375	483.161	482.935	482.794																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</



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



SOUNDINGS

PILE RECORD				
ABUTMENT 1				
Pile Number	Top Elev.	Bottom Elev.	Pile Type	Notes
1	480.325			
2	480.325			
3	480.325			
4	480.325			
5	462.414			
6	462.414			
7	462.414			
8	462.414			
9	462.414			
10	462.414			
11	462.414			

PILE RECORD SOUNDINGS

Ky 862 over Pennyrile Parkway Sheet 15

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

STATION 2170+46.00 PROJECT NO. 16865
BRIDGE NUMBER 16865

BRIDGE