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

KENTUCKY DEPARTMENT OF HIGHWAYS
JEFFERSON COUNTY
JEFFERSON FREEWAY
JEFFERSON FREEWAY OVER SOUTHERN RAILWAY

REFERENCE AND ESTIMATE OF QUANTITIES N.B.

LOCATION \ ITEM	SHEET NO.	CONCRETE CU. YD. CLASS "A"	CONCRETE CU. YD. CLASS "AA"	REINF. STEEL LB.	STR. EXC. CU. YD. COM	STR. EXC. CU. YD. S.R.	HIGH STRENGTH HANDRAIL LIN. FT.	STRUCTURAL STEEL LUMP SUM BID ①	LINSEED OIL PROT COATING SQ.YD.	SHEAR CONNECT. LUMP SUM BID ②
QUANTITIES	1									
NOTES	2									
LAYOUT	3									
SOUNDINGS	5									
ABUTMENT 1	6, 7 & 12	77.6	25.0	15,510	425	25				
ABUTMENT 2	6, 7 & 12	64.6	24.9	13,376	295	20				
PIER 1	13 & 21	52.5		8260	110	10				
PIER 2	13 & 21	52.5		8260	130	10				
SUPERSTRUCTURE	16, 18, 19, 20 & 21		256.5	58,372			357.6	①	1070	②
ELEVATIONS	22									
SUPERSTRUCTURE TOTALS			256.5	58266 (58,372)			357.6	①		②
SUBSTRUCTURE TOTALS		247.2	49.9	45,406	960	65			1070	
TOTALS		247.2	306.4	103,778 (103,672)	960	65	357.6	①	1070	②

① Approximate weight of Structural Steel is 234,500 lbs
② Approx. wt. of Shear Connectors: Option 1 = 1898 Lbs, Option 2 = 2777 Lbs, Option 3 = 2850 Lbs.

REFERENCE AND ESTIMATE OF QUANTITIES S.B.

LOCATION \ ITEM	SHEET NO.	CONCRETE CU. YD. CLASS "A"	CONCRETE CU. YD. CLASS "AA"	REINF. STEEL LB.	STR. EXC. CU. YD. COM	STR. EXC. CU. YD. S.R.	HIGH STRENGTH HANDRAIL LIN. FT.	STRUCTURAL STEEL LUMP SUM BID ③	LINSEED OIL PROT. COATING SQ.YD.	SHEAR CONNECT. LUMP SUM BID ④
QUANTITIES	1									
NOTES	2									
LAYOUT	4									
SOUNDINGS	5									
ABUTMENT 1	7, 8, 9, 11 & 12	101.7	33.6	19,995	550	20				
ABUTMENT 2	7, 9, 10, 11 & 12	66.6	28.1	14,404	280	10				
PIER 1	14 & 21	71.0		10,807	120	10				
PIER 2	15 & 21	67.7		10,101	140	10				
SUPERSTRUCTURE	17, 18, 19, 20 & 21		300.5	77,206			361.4	③	1230	④
ELEVATIONS	23									
SUPERSTRUCTURE TOTALS			300.5	77,206			361.4	③	1230	④
SUBSTRUCTURE TOTALS		307.0	61.7	55,307	1090	50				
TOTALS		307.0	362.2	132,513	1090	50	361.4	③	1230	④

③ Approximate weight of Structural Steel 270,000 Lbs.
④ Approx. wt. of Shear Connectors: Option 1 = 2170 Lbs, Option 2 = 3175 Lbs, Option 3 = 3260 Lbs

BILL OF INCIDENTAL MATERIAL

ITEM	NO.	SIZE & LOCATION
Joint Sealing Compound	2	1 x 3½" x 57'-6" @ Exp. Dam (N.B.L.)
Joint Sealing Compound	1	1' x 3½" x 73'-3" @ Exp. Dam (S.B.L.)
Joint Sealing Compound	1	1' x 3½" x 68'-6" @ Exp. Dam (S.B.L.)
Hook Bolt Assembly	8	⅝" x 7½" Abutment Wing Ends

NOTE

Quantities shown in the Bill of Incidental Material are approximate only and the contractor is responsible for furnishing enough material to complete the work according to plans and specifications.

STANDARD DRAWINGS

17.336, H117A, H150B, AE1A

SPECIAL PROVISIONS

No. 6A - For Linseed Oil Protective Coating.
No. 12 - For Joint Sealing Compound.
No. 35 - For Class "AA" Concrete.
No. 9 - For High Strength Cast Aluminum Bridge Railing Post.

M. P. 23.15-W

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 1 OF 23

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY

STATION 940+97.29 JEFF. FR. **ROAD** 50+00.00 BASE LINE **PROJECT NO.** F-552 (2) SP 56-468-5L

BRIDGE NUMBER F 552 (15) | DRAWING NO. 17301 | INDEX

PLANS BY ODELL, WRIGHT, MORGAN & BROWN, INC.

DESIGNED BY BEC DETAILED BY PLW TRACED BY
CHECKED BY CHECKED BY CHECKED BY
DATE DATE DATE
REVISED N.B. Revd. WH REVISED REVISED

DESIGNED BY	CHECKED BY	DATE	REVISED DATE
DETAILED BY JB	CHECKED BY RLW	DATE 5-68	REVISED DATE
TRACED BY	CHECKED BY	DATE	REVISED DATE

GENERAL NOTES

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

DESIGN LOAD: BRIDGE DESIGNED FOR H5.20-44 LOADING AS SPECIFIED IN 1965 A.A.S.H.O. SPECIFICATIONS. SLAB DESIGNED FOR 16 KIP WHEEL LOAD.

DESIGN STRESSES:

FOR CLASS "AA" REINFORCED CONCRETE	FOR CLASS "A" REINFORCED CONCRETE	FOR STRUCTURAL STEEL
f_s = 20,000 psi	f_s = 20,000 psi	f_s = 20,000 psi for A36 Steel
f_c = 1,200 psi for slab design	f_c = 1,200 psi	
f_c = 1,600 psi for other than slab design		
u = 200 psi for embedment	u = 200 psi for embedment	
u = 300 psi for sum of perimeters	u = 300 psi for sum of perimeters	
f'_c = 4,000 psi	f'_c = 3,000 psi	
n = 8	n = 10	

FOUNDATION PRESSURE: FOOTINGS ARE DESIGNED FOR A MAXIMUM PRESSURE OF 10,000 PSF. THIS MAXIMUM IS FOR GROUP I LOADING WITH INCREASES ALLOWED FOR OTHER LOADING GROUPS.

CONCRETE: CLASS "A" CONCRETE TO BE USED IN PIERS AND IN PORTIONS OF ABUTMENTS BELOW BRIDGE SEAT ELEVATIONS.
CLASS "AA" CONCRETE TO BE USED IN ROADWAY SLAB, CURBS, PLINTHS AND IN ABUTMENTS ABOVE THE CONSTRUCTION JOINT AT BRIDGE SEAT ELEVATIONS.
CLASS "D" CONCRETE TO BE USED IN CONCRETE HANDRAIL.

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

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

JOINT SEALING COMPOUND & HOOK BOLT ASSEMBLY: THE COST OF THESE ITEMS 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, BOLTS, WASHERS, STEEL PINS, LEAD PLATES, MOLTEN LEAD, WELDING AND WELDING MATERIALS, PAINTS, LINEN TRACINGS OF SHOP DETAILS AND ERECTION DRAWINGS, AND ALL LABOR AND MATERIALS NECESSARY TO ERECT THE STEEL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

SHOP ASSEMBLY AND REAMING: GENERAL REAMING OF HOLES FOR EACH FIELD SPLICE SHALL BE REQUIRED WITH ALL PARTS FOR EACH SPLICE COMPLETELY SHOP ASSEMBLED WITH PARTS ADJUSTED TO LINES AND CAMBER, FIT FOR DRILLING OR REAMING. THIS APPLIES TO FIELD SPLICES IN GIRDERS ONLY. GIRDERS SHALL REMAIN ASSEMBLED FOR INSPECTION BY THE DEPARTMENT OF HIGHWAYS INSPECTOR AND ARE TO BE MATCH-MARKED WHILE ASSEMBLED. CONNECTIONS FOR DIAPHRAGMS, EXPANSION JOINTS AND OTHER MINOR MEMBERS MAY BE PUNCHED OR DRILLED FULL SIZE WITHOUT ASSEMBLY SUBJECT TO THE REQUIREMENTS IN THE SPECIFICATIONS FOR GENERAL DRAWING.

PAINT: ALL STRUCTURAL STEEL EXCEPT PINS AND PIN BEARING SURFACES 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. PINS AND PIN BEARING 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.

SHEAR CONNECTORS: "LUMP SUM BID" FOR SHEAR CONNECTORS SHALL BE FULL PAYMENT FOR ALL SHEAR CONNECTORS, WELDING AND WELDING MATERIALS, PATENT ROYALTIES AND MATERIALS NECESSARY TO FIELD WELD OR SHOP WELD THE SHEAR CONNECTORS IN PLACE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

TEMPORARY SUPPORTS: TEMPORARY SUPPORTS OR SHORING WILL NOT BE PERMITTED UNDER THE STEEL GIRDERS WHEN POURING THE CONCRETE FLOOR SLAB OR WHEN TAKING "TOP OF STEEL" ELEVATIONS.

WELDED STUDS: STUDS USED FOR COMPOSITE SHEAR DEVELOPERS SHALL BE WELDED WITH APPROVED WELDING EQUIPMENT.

MATERIALS: A.S.T.M. SPECIFICATIONS HEREINAFTER DESIGNATED SHALL GOVERN THE MATERIALS FURNISHED:

MATERIAL	A.S.T.M. DESIGNATION
STRUCTURAL STEEL	A36-67
HIGH STRENGTH BOLTS, NUTS & HARDENED WASHERS	A325-66b
LOW CARBON STEEL MACHINE BOLTS & NUTS	A307-67
MILD STEEL ARC WELDING ELECTRODES	A233-64T
STUD SHEAR CONNECTORS	A108-61T GRADE 1015

CONNECTIONS: UNLESS OTHERWISE NOTED SHOP AND FIELD CONNECTIONS SHALL BE 7/8" DIAMETER HIGH STRENGTH BOLTS. OPEN HOLES SHALL BE 15/16" DIAMETER FOR 7/8" DIAMETER BOLTS.

MILL TEST REPORTS: NOTARIZED 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 CURRENT SPECIFICATIONS.

DIMENSIONS: DIMENSIONS ARE FOR A NORMAL TEMPERATURE OF 60 DEGREES FAHRENHEIT.

SHOP PLANS: THE CONTRACTOR SHALL SUBMIT SHOP DETAIL PLANS IN ACCORDANCE WITH THE SPECIFICATIONS.

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.

OPTIONAL TYPE SHEAR CONNECTORS: THE CONTRACTOR SHALL USE ONE OF THE FOLLOWING OPTIONAL TYPES THROUGHOUT:
OPTION "1" - 3/4" ϕ X 4" STUDS
OPTION "2" - 5/8" ϕ X 4" DIAMETER SPIRALS
OPTION "3" - 4" CHANNELS @ 5.4 LBS.

CHANGES IN STRUCTURAL STEEL QUANTITIES: IN THE EVENT THAT CHANGES IN STEEL QUANTITIES ARE REQUIRED DUE TO CHANGES BY THE ENGINEER IN PLANS, ADDITIONAL PAYMENTS THEREFOR SHALL BE MADE AT A UNIT PRICE WHICH WILL BE EQUAL TO THE CONTRACT LUMP SUM PRICE DIVIDED BY THE ESTIMATED TOTAL WEIGHT.

HIGH STRENGTH BOLTS: CONNECTIONS USING HIGH STRENGTH STEEL BOLTS SHALL BE IN ACCORDANCE WITH 408.3.1F OF THE SPECIFICATIONS. ASSEMBLY AND DIMENSIONS OF HIGH STRENGTH STEEL BOLTS, NUTS AND WASHERS SHALL CONFORM TO "SPECIFICATIONS FOR STRUCTURAL JOINTS USING A.S.T.M. A325 BOLTS," MARCH, 1966, APPROVED BY THE "RESEARCH COUNCIL ON RIVETED AND BOLTED STRUCTURAL JOINTS" OF THE ENGINEERING FOUNDATION. ALL JOINTS ARE DESIGNED AS FRICTION-TYPE CONNECTIONS. INSTALLATION SHALL BE PERFORMED BY TURN-OF-NUT METHOD. WHEN THE WIDTH OF HIGH STRENGTH BOLT HEADS CORRESPONDS TO THAT OF THE HEAVY SEMI-FINISHED HEXAGON BOLT, ONLY ONE WASHER PER BOLT IS REQUIRED.

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

OPTIONAL TYPES OF HANDRAIL: THE CONTRACTOR SHALL PROVIDE THROUGHOUT THE PROJECT AT HIS OPTION, EITHER HIGH STRENGTH ALUMINUM HANDRAIL OR HIGH STRENGTH CONCRETE HANDRAIL. SEE STANDARD HIGH STRENGTH ALUMINUM OR CONCRETE HANDRAIL, CURRENT EDITION.

LINSEED OIL PROTECTIVE COATING, JOINT SEALING COMPOUND: THESE ITEMS ARE TO BE FURNISHED AND APPLIED IN ACCORDANCE WITH THEIR RESPECTIVE SPECIAL PROVISIONS.

CONSTRUCTION IDENTIFICATION: THE NAMES OF PRIME CONTRACTOR AND 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.

CLEARANCE: ALL FALSEWORK, BRACING OR FORM SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 22.0' ABOVE THE TOP OF THE HIGHEST RAIL, AND A MINIMUM HORIZONTAL CLEARANCE OF 9.0' MEASURED AT RIGHT ANGLES TO CENTER LINE OF TRACKS.

CONSTRUCTION NOTE: THE CONTRACTOR SHALL ARRANGE TO NOT INTERFERE WITH THE OPERATION OF THE SOUTHERN RAILROAD CO. TRACKS AT ANY TIME UNLESS THE CONTRACTOR HAS MADE ARRANGEMENTS WITH THE SOUTHERN RAILROAD CO. THE CONTRACTOR SHALL ARRANGE WITH THE SOUTHERN RAILROAD CO. TO PROVIDE FLAG PROTECTION AT THE CONTRACTOR'S EXPENSE.

CAMBER: THE BEAMS OF SPANS COMPOSED OF WIDEFLANGE MEMBERS SHALL BE CAMBERED TO ORD-ORDINATES SPECIFIED ON THE PLANS. IF THESE BEAMS DO NOT CONFORM TO PLAN CAMBER FOR THE ERECTED POSITION, EITHER AN ADJUSTMENT IN DEPTH OF CONCRETE HAUNCH OVER THE SUPPORTING MEMBERS, OR A REWORKING OF THE BEAM CAMBER TO MEET PLAN CAMBER AND SLAB THICKNESS WILL BE REQUIRED. IF EITHER TYPE OF ADJUSTMENT IS REQUIRED, THERE WILL BE NO ADDITIONAL COST TO THE STATE.

M.P. 23.15-W

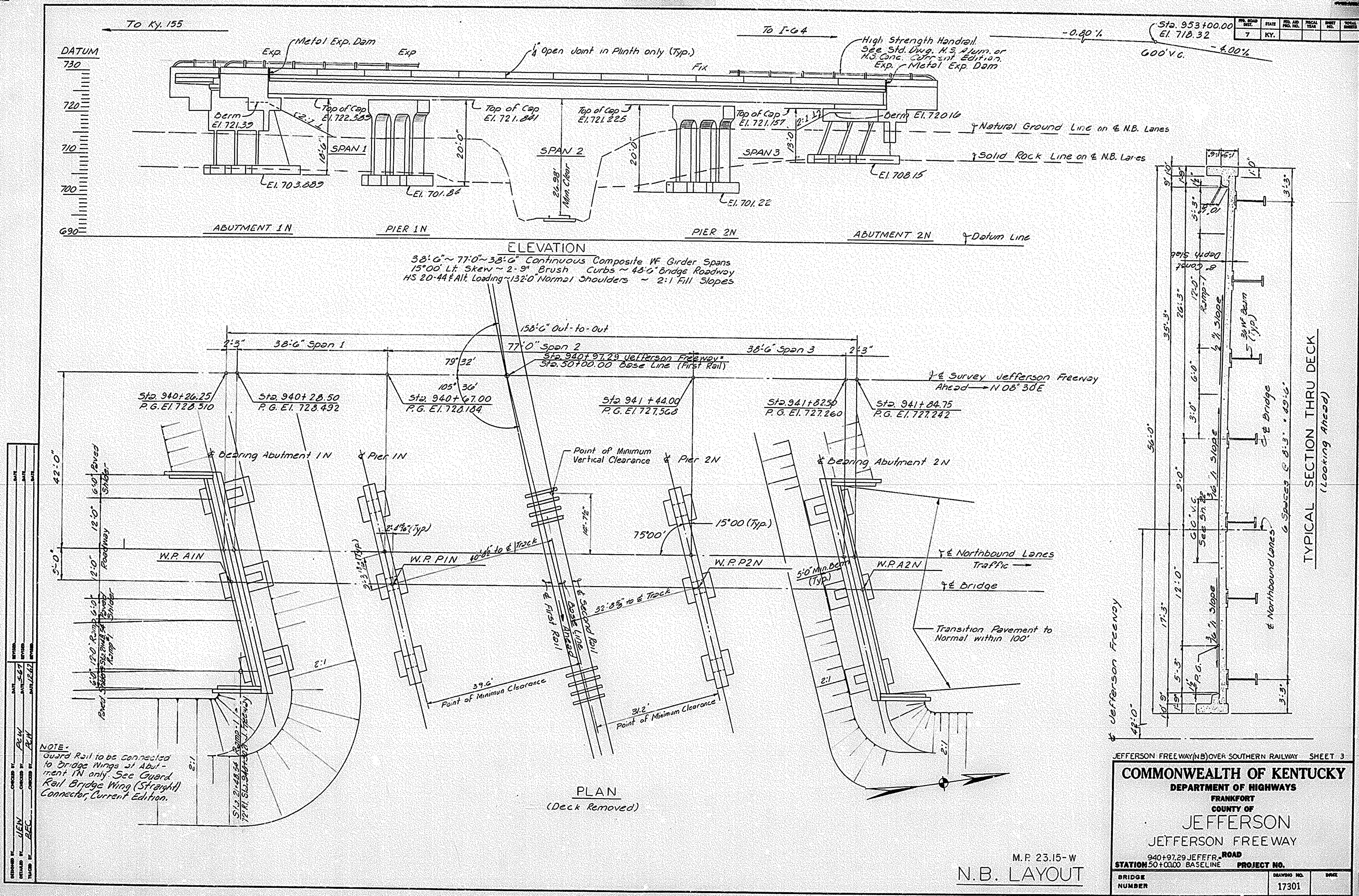
JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 2

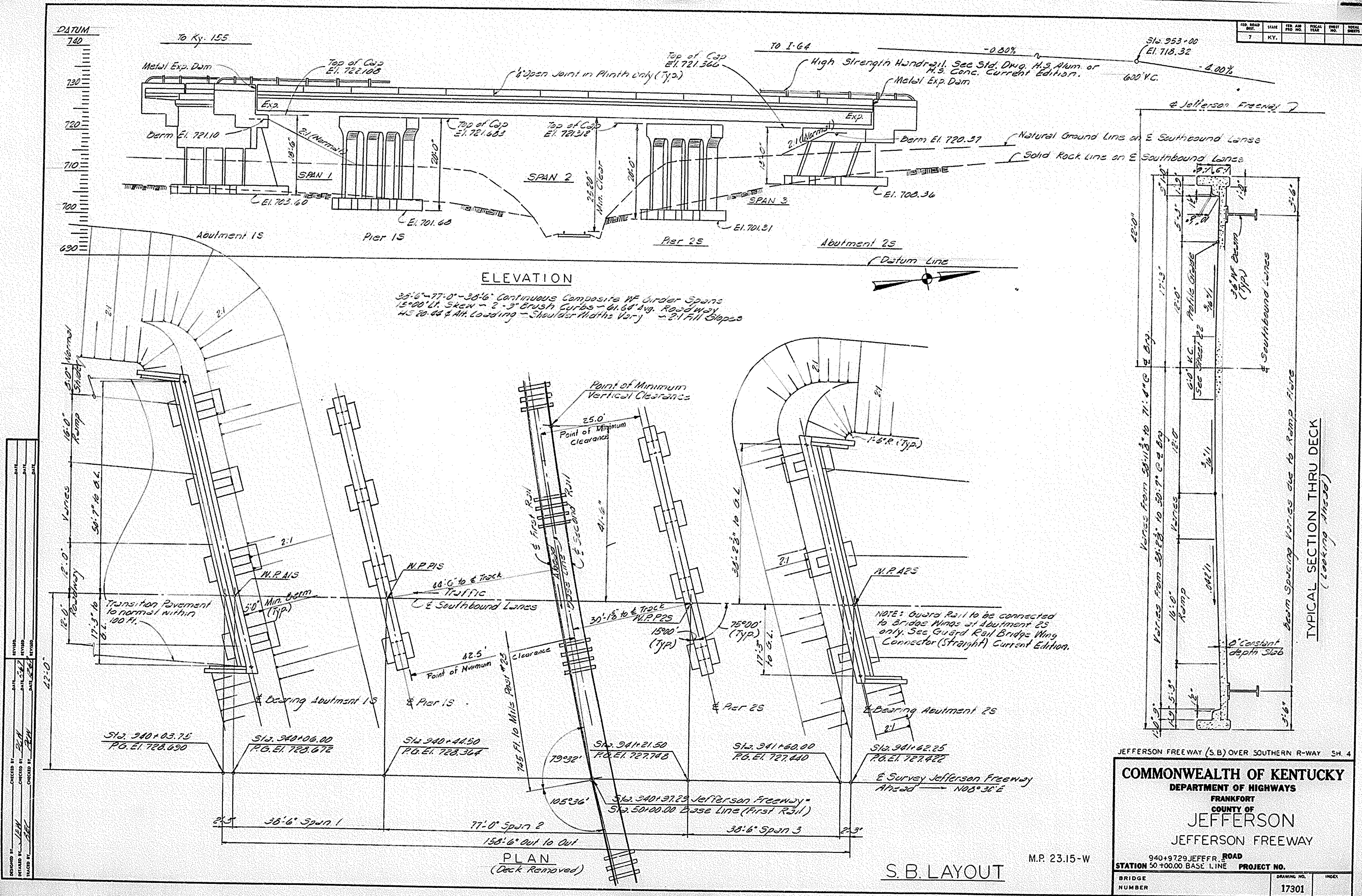
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON FREEWAY

940197 29 JEFF FR-ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	SHEET
	17301	

NO.	REVISION	BY	DATE
2		KY	

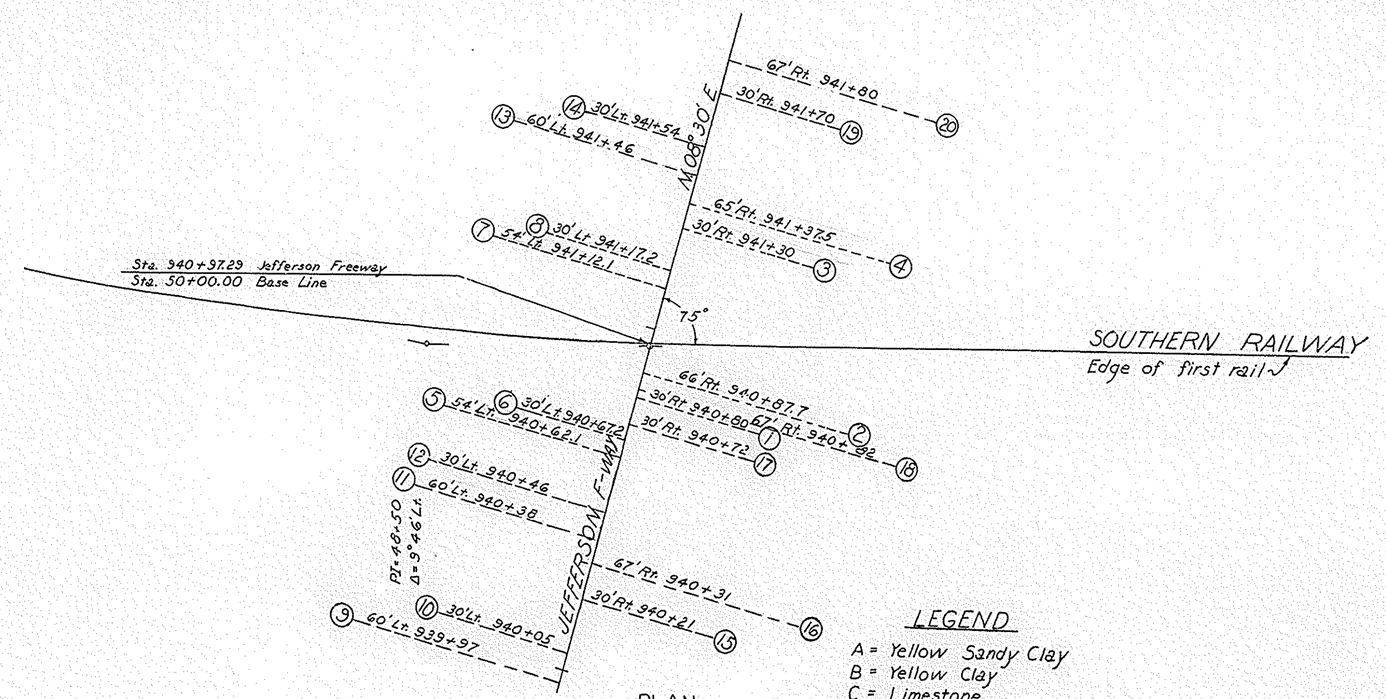

To Ky. 155
To I-64
DATUM
730
720
710
700
690
Metal Exp. Dam
Exp.
Exp
1/4" Open Joint in Plinth only (Typ.)
Fix
High Strength Handrail. See Std. Dwg. H.S. Alum. or H.S. Conc. Current Edition.
Exp. Metal Exp. Dam
-0.80 %
Sta. 953+00.00
El. 718.32
600' V.C.
-4.00%
Berm El. 721.39
Top of Cap El. 722.389
2:1
10'-6"
SPAN 1
El. 703.889
20'-0"
Top of Cap El. 721.841
El. 701.84
SPAN 2
26.98' Min. Clear
Top of Cap El. 721.225
20'-0"
El. 701.22
Top of Cap El. 721.157
2:1
13'-0"
SPAN 3
Berm El. 720.16
El. 708.15
Natural Ground Line on ℄ N.B. Lanes
Solid Rock Line on ℄ N.B. Lanes
ABUTMENT 1N
PIER 1N
PIER 2N
ABUTMENT 2N
Datum Line
ELEVATION
38'-6" ~ 77'-0" ~ 38'-6" Continuous Composite WF Girder Spans
15°00' Lt. Skew ~ 2-9" Brush Curbs ~ 48'-0" Bridge Roadway
HS 20-44 & Alt. Loading ~ 132'-0" Normal Shoulders ~ 2:1 Fill Slopes
158'-6" Out-to-Out
2'-3"
38'-6" Span 1
77'-0" Span 2
38'-6" Span 3
2'-3"
79° 32'
105° 36'
Sta. 940+97.29 Jefferson Freeway = Sta. 50+00.00 Base Line (First Rail)
℄ Survey Jefferson Freeway Ahead → N 08° 30' E
Sta. 940+26.25 P.G. El. 728.510
Sta. 940+28.50 P.G. El. 728.492
Sta. 940+67.00 P.G. El. 728.184
Sta. 941+44.00 P.G. El. 727.568
Sta. 941+82.50 P.G. El. 727.260
Sta. 941+84.75 P.G. El. 727.242
℄ Bearing Abutment 1N
℄ Pier 1N
Point of Minimum Vertical Clearance
℄ Pier 2N
℄ Bearing Abutment 2N
42'-0"
6'-0" Paved Shlder
12'-0"
Roadway
5'-0"
12'-0"
6'-0" Paved Shlder
12'-0" Ramp #1
6'-0" Paved Shlder
2'-4 1/16" (Typ.)
14'-7 1/2"
15°00 (Typ.)
75°00'
W.P. A1N
W.P. P1N
40'-8" to ℄ Track
W.P. P2N
5'-0" Min. Berm (Typ.)
W.P. A2N
℄ Northbound Lanes
Traffic →
℄ Bridge
℄ First Rail
Base Line Ahead
℄ Second Rail
32'-8 5/8" to ℄ Track
Transition Pavement to Normal within 100'
2:1
39.6' Point of Minimum Clearance
31.2' Point of Minimum Clearance
Sta. 21+48.54 Ramp-1
NOTE - Guard Rail to be connected to Bridge Wings at Abutment 1N only. See Guard Rail Bridge Wing (Straight) Connector, Current Edition.
PLAN
(Deck Removed)
TYPICAL SECTION THRU DECK
(Looking Ahead)
56'-0"
35'-3"
26'-3"
12'-0"
Ramp-1
1/2 % Slope
36 WF Beam (Typ.)
8" Const. Depth Slab
6'-0"
3'-0"
℄ Bridge
6 Spaces @ 8'-3" = 49'-6"
9'-0"
6'-0" V.C. See Sh. 2
3/16 "/1 Slope
℄ Northbound Lanes
17'-3"
12'-0"
5'-3"
P.G.
10'-9"
42'-0"
3'-3"
℄ Jefferson Freeway
DESIGNED BY JEW
DETAILED BY BEC
CHECKED BY PCW
CHECKED BY PCW
DATE 5-67
DATE 12-62
FED. ROAD DIST. 7
STATE KY.
M.P. 23.15-W
N.B. LAYOUT
JEFFERSON FREEWAY (NB) OVER SOUTHERN RAILWAY SHEET 3
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
STATION 940+97.29 JEFFER. ROAD 50+00.00 BASELINE
PROJECT NO.
BRIDGE NUMBER
DRAWING NO. 17301



DATUM
740
730
720
710
700
690
To Ky. 155
To I-64
Metal Exp. Dam
Top of Cap El. 722.108
Top of Cap El. 721.366
½" Open Joint in Plinth only (Typ.)
High Strength Handrail. See Std. Dwg. H.S. Alum. or H.S. Conc. Current Edition.
Metal Exp. Dam
-0.80%
Sta. 953+00
El. 718.32
-4.00%
600' V.C.
Exp.
Berm El. 721.10
2:1 (Normal)
Top of Cap El. 721.683
Top of Cap El. 721.318
Berm El. 720.37
Natural Ground Line on ℄ Southbound Lanes
Solid Rock Line on ℄ Southbound Lanes
SPAN 1
SPAN 2
SPAN 3
22.80' Min. Clear
El. 703.60
El. 701.68
El. 701.31
El. 708.36
Abutment 1S
Pier 1S
Pier 2S
Abutment 2S
Datum Line
ELEVATION
38'-6" – 77'-0" – 38'-6" Continuous Composite WF Girder Spans
15°00' Lt. Skew – 2 – 3" Brush Curbs – 61.64' Avg. Roadway
HS 20-44 & Alt. Loading – Shoulder Widths Vary – 2:1 Fill Slopes
℄ Jefferson Freeway
Point of Minimum Vertical Clearance
25.0'
Point of Minimum Clearance
41'-6"
W.P. A1S
W.P. P1S
W.P. P2S
W.P. A2S
44'-6" to ℄ Track
Traffic
℄ Southbound Lanes
30'-1½" to ℄ Track
15°00' (Typ.)
75°00' (Typ.)
42.5'
Point of Minimum Clearance
Transition Pavement to normal within 100 Ft.
5'-0" Min. Berm (Typ.)
℄ First Rail
℄ Second Rail
NOTE: Guard Rail to be connected to Bridge Wings at Abutment 2S only. See Guard Rail Bridge Wing Connector (Straight) Current Edition.
℄ Bearing Abutment 1S
℄ Pier 1S
℄ Pier 2S
℄ Bearing Abutment 2S
745 Ft. to Mile Post #23
Sta. 940+03.75 P.G. El. 728.690
Sta. 940+06.00 P.G. El. 728.672
Sta. 940+44.50 P.G. El. 728.364
Sta. 941+21.50 P.G. El. 727.748
Sta. 941+60.00 P.G. El. 727.440
Sta. 941+62.25 P.G. El. 727.422
79°32'
105°36'
Sta. 940+97.29 Jefferson Freeway = Sta. 50+00.00 Base Line (First Rail)
℄ Survey Jefferson Freeway Ahead → N06°36'E
2'-3"
38'-6" Span 1
77'-0" Span 2
38'-6" Span 3
158'-6" Out to Out
PLAN
(Deck Removed)
M.P. 23.15-W
S.B. LAYOUT
TYPICAL SECTION THRU DECK
(Looking Ahead)
Varies from 58'-11⅝" to 71'-6" ℄ Brg.
Varies from 38'-2⅜" to 50'-9" ℄ Brg.
Profile Grade
36" WF Beam (Typ.)
℄ Southbound Lanes
Beam Spacing Varies due to Ramp Flare
8" Constant depth Slab
Ramp
Roadway
Normal Shldr.
2:1
FED. ROAD DIST. 7
STATE KY.
JEFFERSON FREEWAY (S.B.) OVER SOUTHERN R-WAY SH. 4
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF JEFFERSON
JEFFERSON FREEWAY
STATION 940+97.29 JEFFER. ROAD 50+00.00 BASE LINE
PROJECT NO.
BRIDGE NUMBER
DRAWING NO. 17301
DESIGNED BY JEW
DETAILED BY
TRACED BY
CHECKED BY

[redacted]

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

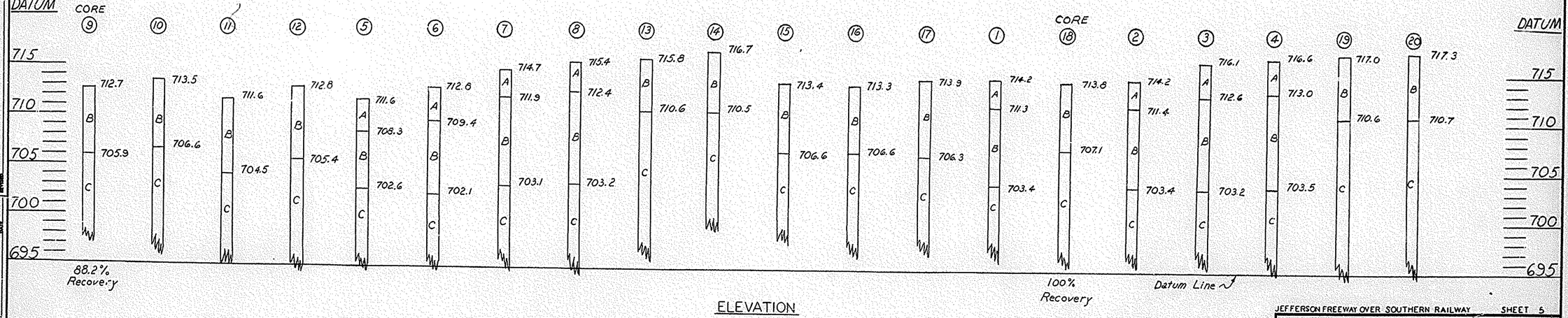


PLAN

LEGEND

A = Yellow Sandy Clay
B = Yellow Clay
C = Limestone

SCALE 1"=20'



ELEVATION

SOUNDINGS

M.P. 23.15-W

DESIGNED BY
DETAILED BY
TRACED BY
CHECKED BY
CHECKED BY
CHECKED BY
DATE 5-67

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 5

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940+97.29 JEFF. FR. ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

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

PLAN OF CAP ~ NBL
(Showing Dimensions)

SECTION C-C ~ NBL

ELEVATION ~ NBL
(Showing Dimensions)

ELEVATION ~ NBL
(Showing Reinforcement)

For column reinforcement see End Elevations Sh. 7

For Dimensions & Elevations indicated by letter, see Sh. 12.

M.P. 23.15-W

NBL — ABUTMENTS 1&2

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 6

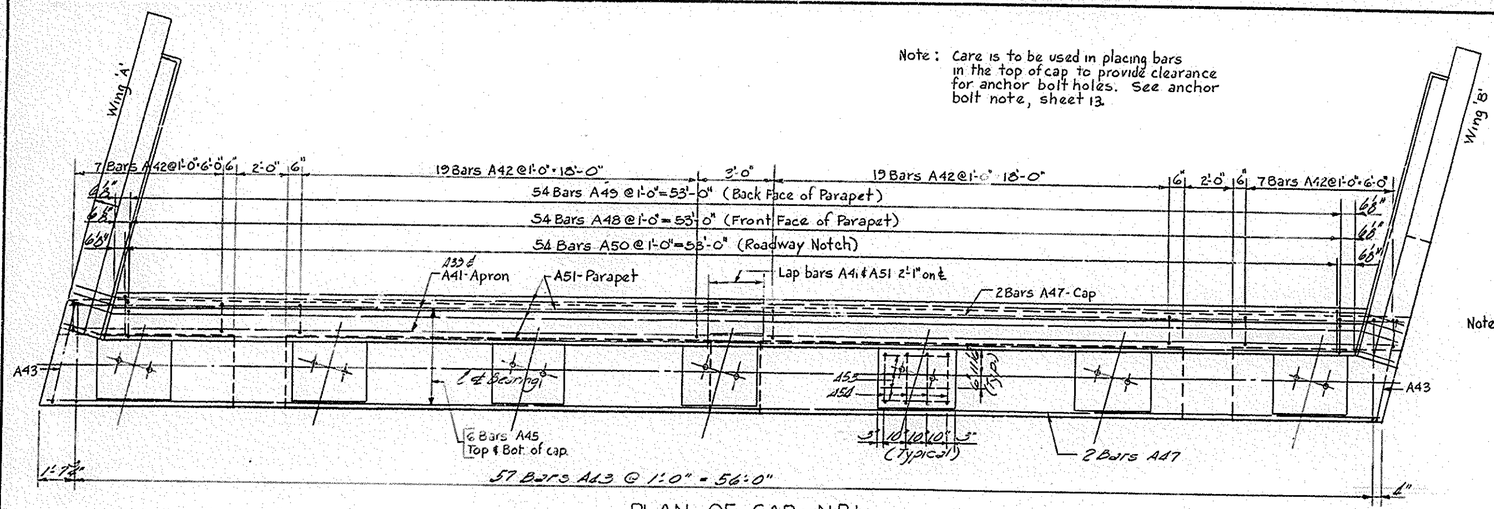
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940+97.29 JEFF.FR.= ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

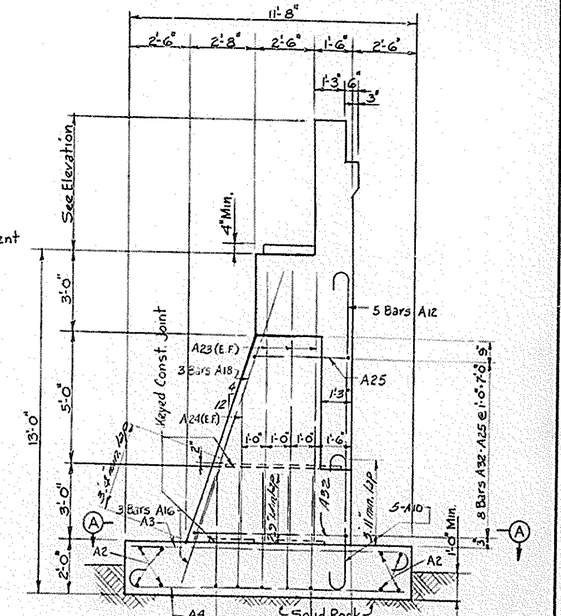
DESIGNED BY JRO CHECKED BY
DETAILED BY PPH CHECKED BY
TRACED BY CHECKED BY

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

Note: Care is to be used in placing bars in the top of cap to provide clearance for anchor bolt holes. See anchor bolt note, sheet 13.

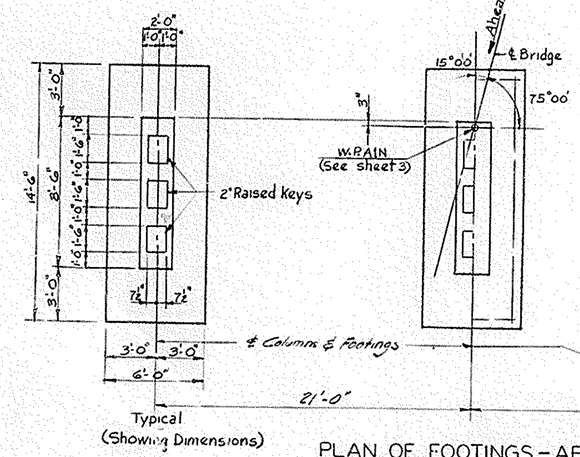


PLAN OF CAP ~ NBL
(Showing Reinforcement)

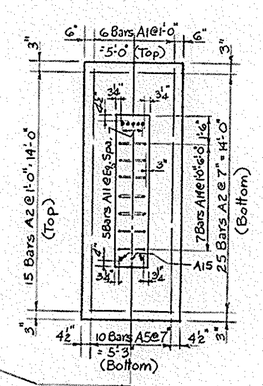


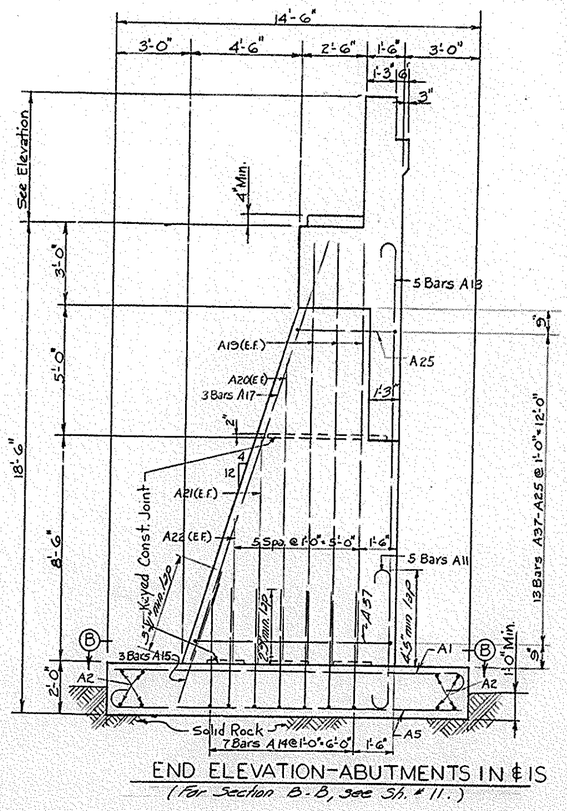
Note: For wing reinforcement see sheet 12.

END ELEVATION-ABUTMENTS 2N & 2S
(For Section A-A see Sh. #11)

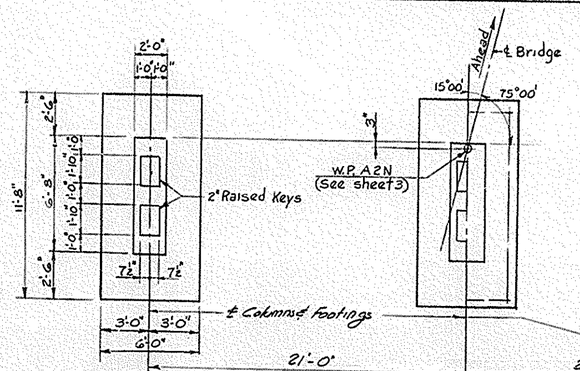


PLAN OF FOOTINGS - ABUTMENT 1N

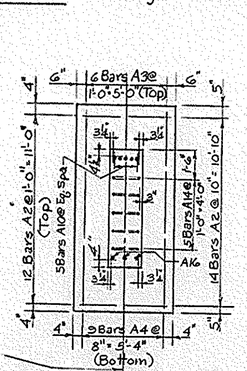




END ELEVATION-ABUTMENTS 1N & 1S
(For Section B-B, see Sh. # 11.)



PLAN OF FOOTINGS - ABUTMENT 2N



ESTIMATE OF QUANTITIES

	Abut. 1N	Abut. 2N	
Concrete, class 'AA'	25.0	24.9	cu. yd.
Concrete, class 'A'	77.6	64.6	cu. yds.
Reinforcement	15,510	13,376	lbs.

M.P. 23.15-W

SBL & NBL - ABUTMENTS 1 & 2

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 7

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY

STATION 940+97.29 JEFF. FR. = 50+00.00 BASE LINE ROAD PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

DESIGNED BY	DATE	REVISED
JRG	6-8	
DETAILED BY	DATE	REVISED
DPH	6-8	
TRACED BY	CHECKED BY	DATE

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

PLAN OF CAP ~ ABUTMENT IS
(Showing Dimensions)

ELEVATION ~ ABUTMENT IS

(Typical Dimensions)

(Typical Reinforcement)

SBL - ABUTMENT 1

M.P. 23.15-W

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 8

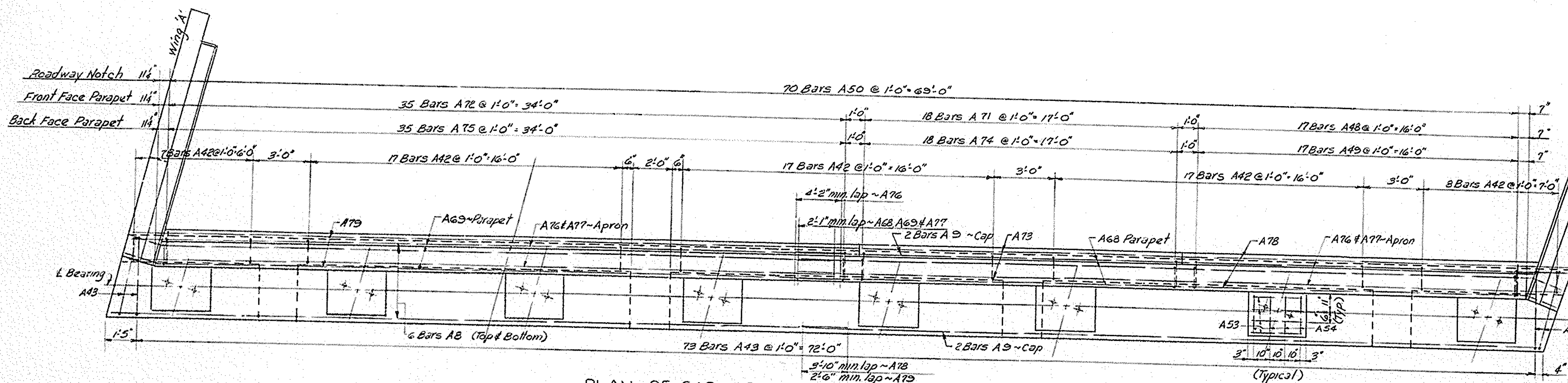
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
9401929 JEFF FR ROAD
STATION 50+00.00 BASE LINE **PROJECT NO.**

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

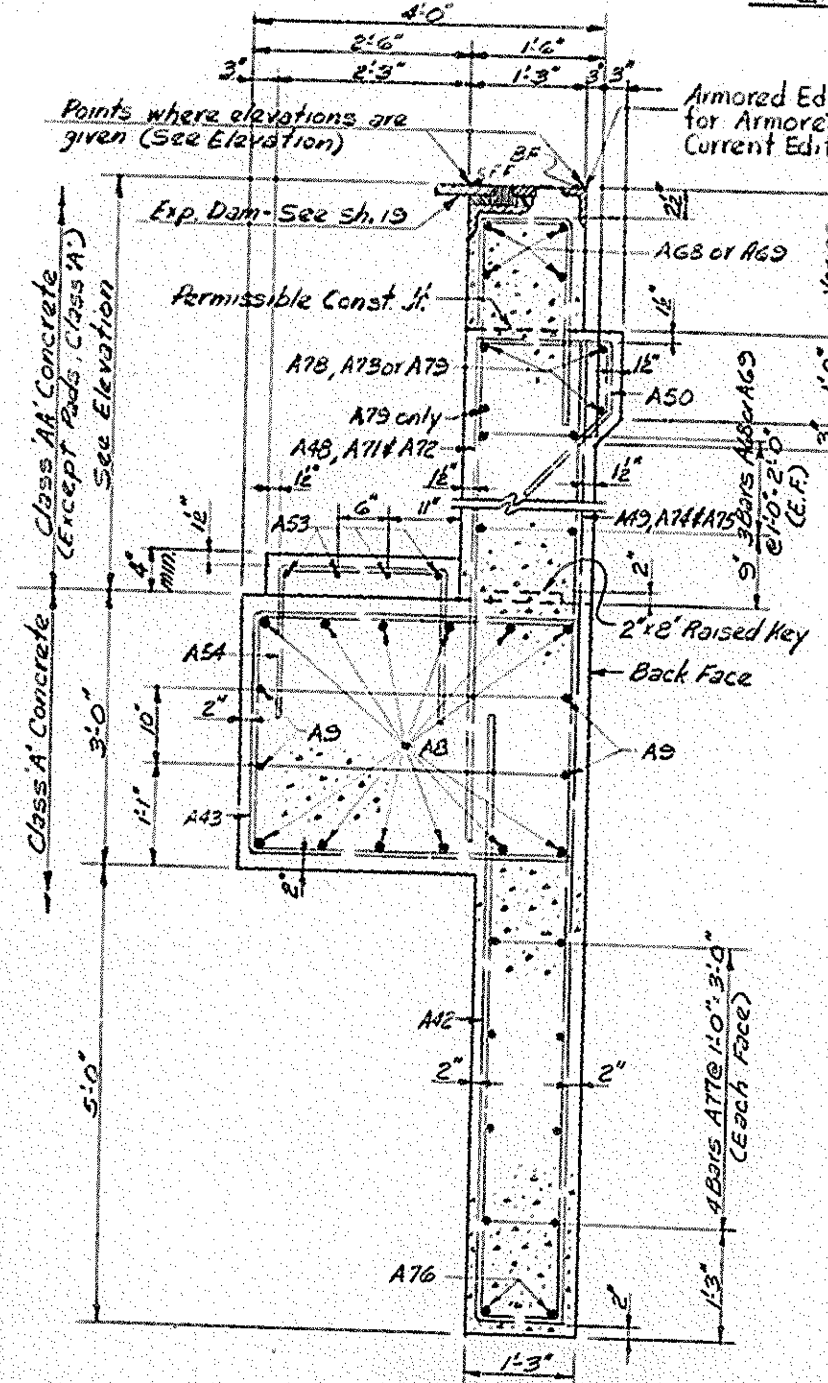
DESIGNED BY: PCW DATE: 1-20
DETAILED BY: PCW DATE:
TRACED BY: PEH DATE:
CHECKED BY: DATE:
CHECKED BY: DATE:
REVISED DATE:
REVISED DATE:

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

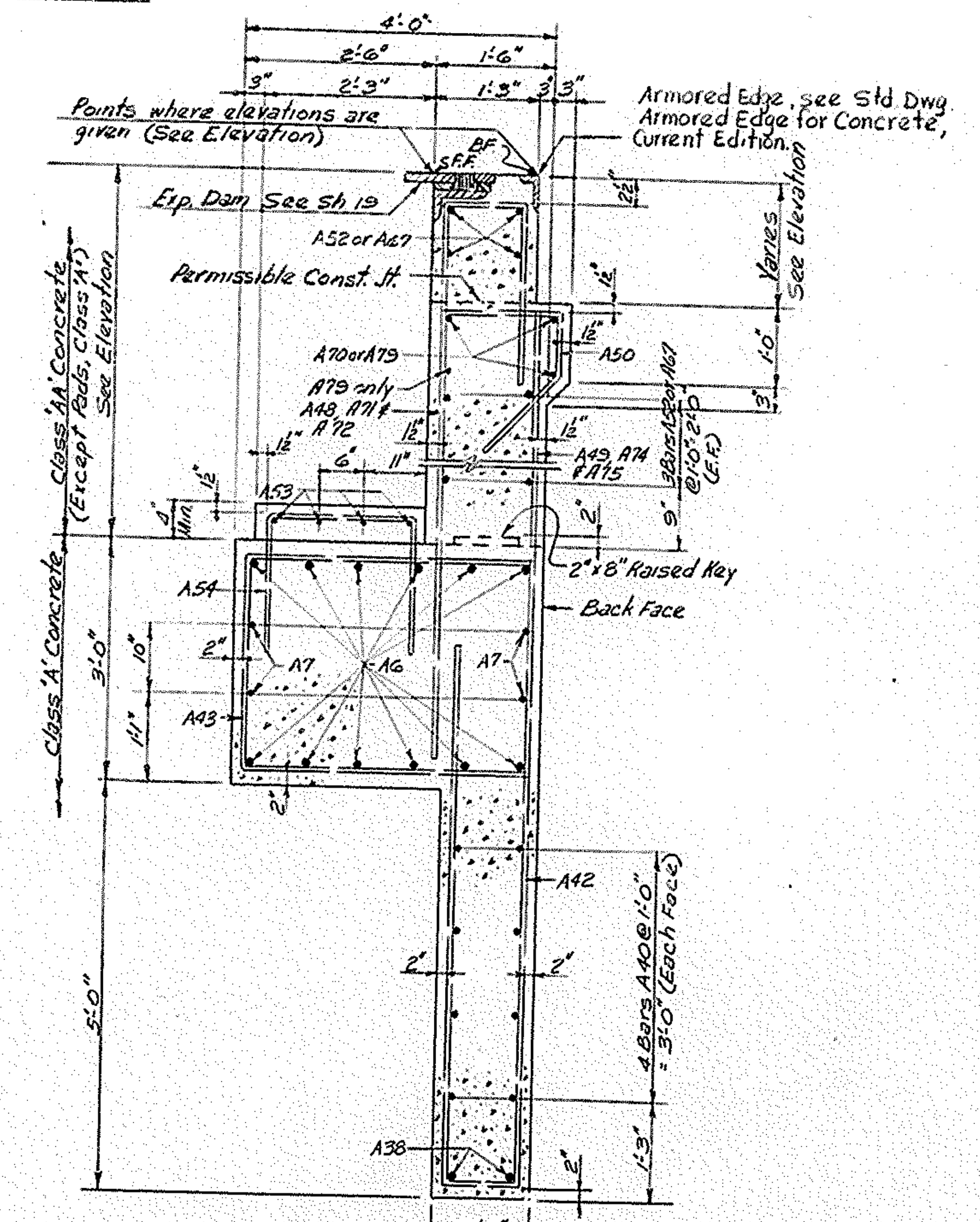
Note: Care is to be used in placing bars in the top of cap to provide clearance for anchor bolt holes. See anchor bolt note, sheet 12



PLAN OF CAP ~ ABUTMENT 1S
(Showing Dimensions)



SECTION D-D
ABUTMENT 1S



SECTION F-F
ABUTMENT 2S

SBL ABUTMENTS 1 & 2

M.P. 23.15-W

ESTIMATE OF QUANTITIES (SBL)

	ABUT. 1	ABUT. 2	
CONCRETE, CLASS 'A'	101.7	66.6	CU.YDS.
CONCRETE, CLASS 'AA'	33.6	28.1	CU.YDS.
REINFORCEMENT	19,995	14,404	LBS.

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEETS

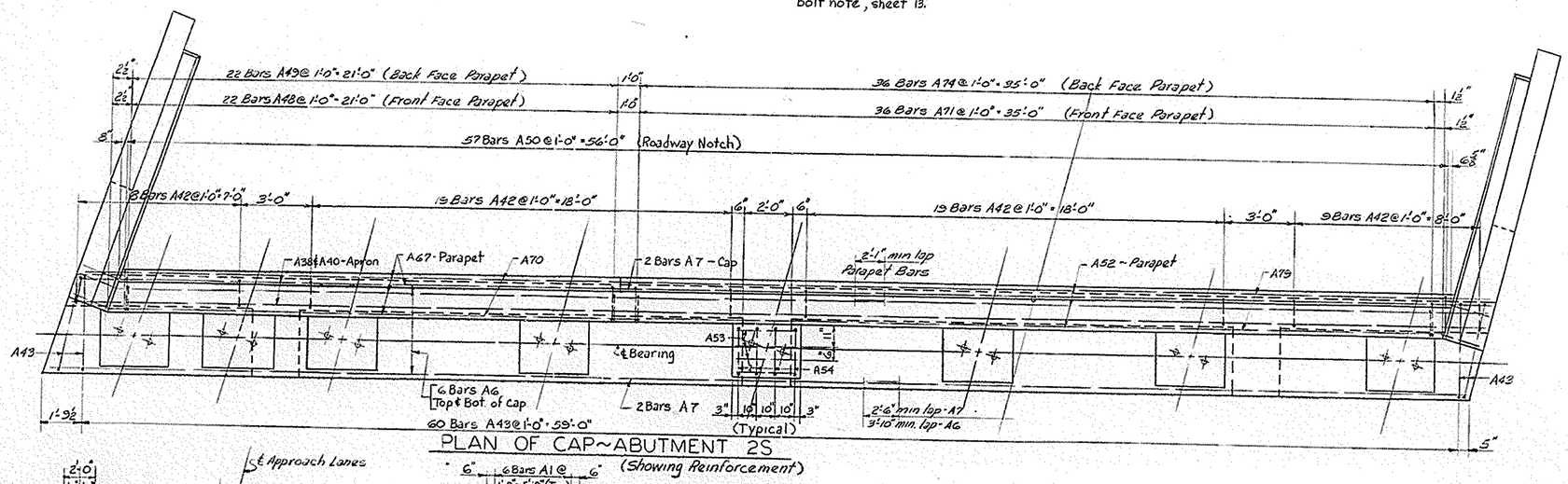
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940+97.29 JEFF. FR. ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

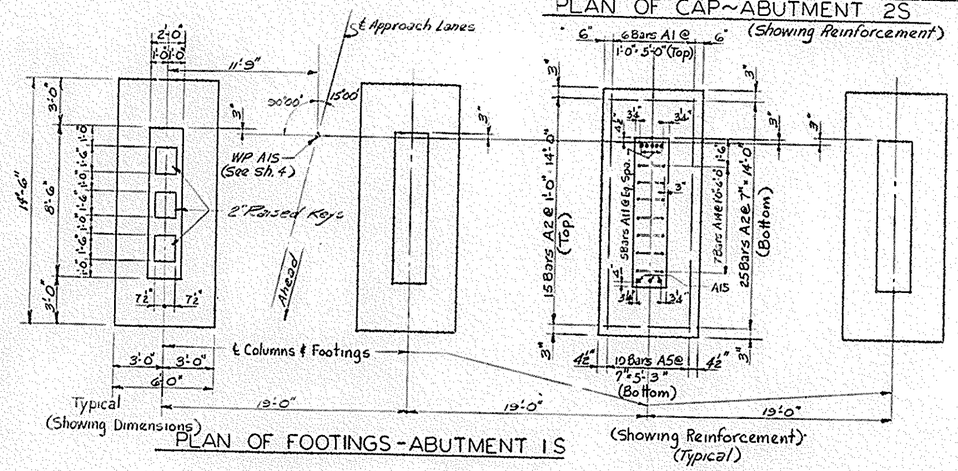
[redacted]

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

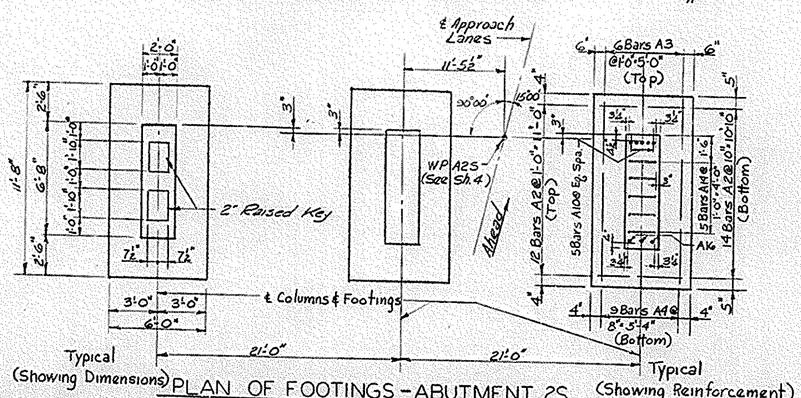
Note: Care is to be used in placing bars in the top of cap to provide clearance for anchor bolt holes. See anchor bolt note, sheet 13.



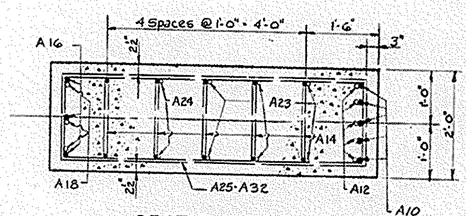
PLAN OF CAP ~ ABUTMENT 2S (Showing Reinforcement)



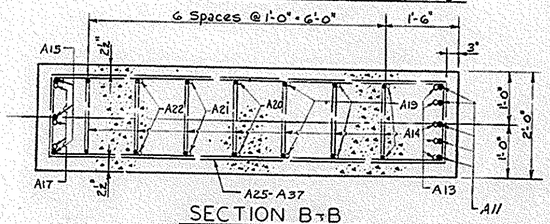
PLAN OF FOOTINGS - ABUTMENT 1S



PLAN OF FOOTINGS - ABUTMENT 2S



SECTION A-A ABUTMENTS 2N & 2S



SECTION B-B ABUTMENTS 1N & 1S

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 11

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940+97.29 JEFF. FR. ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

M.P. 23.15-W

NBL - SBL - ABUTMENTS 1 & 2

DRAWN BY: JRQ	CHECKED BY:	DATE:	REVISED
DETAILED BY: PFH	CHECKED BY:	DATE:	REVISED
TRACED BY:	CHECKED BY:	DATE:	REVISED

BILL OF REINFORCEMENT

MARK	TYPE	NBL Abut 1	NBL Abut 2	SBL Abut 1	SBL Abut 2	SIZE	LENGTH FT.	LENGTH IN.	LOCATION	a FT.	a IN.	b FT.	b IN.	c FT.	c IN.	d FT.	d IN.
A1	②	18	—	24	—	5	14	10	Footings	14	0	0	10	0	5	14	2½
A2	①	120	78	160	78	5	7	0	"	5	4	0	10	0	5	5	9
A3	②	—	18	—	18	5	12	0	"	11	2	0	10	0	5	11	4½
A4	"	—	27	—	27	6	12	2	"	11	2	1	0	0	6	11	5
A5	"	30	—	40	—	8	13	4	"	13	10	1	6	0	10	14	3
A6	Str.	—	—	—	24	9	32	4	Cap								
A7	"	—	—	—	8	6	31	9	"								
A8	"	—	—	24	—	9	38	10	"								
A9	"	—	—	8	—	6	33	2	"								
A10	①	—	15	—	15	7	7	7	Footing & Columns	5	3	1	2	0	7	5	10
A11	"	15	—	20	—	8	8	8	" " "	5	8	1	6	0	10	6	6
A12	②	—	15	—	15	6	11	3	Columns	10	3	1	0	0	6	10	6
A13	"	15	—	20	—	7	16	11	"	15	9	1	2	0	7	16	0½
A14	⑤	21	15	28	15	5	10	2	Footings & Columns	1	6	4	5				
A15	Str.	9	—	12	—	7	5	8	" " "								
A16	"	—	9	—	9	6	5	1	" " "								
A17	"	9	—	12	—	7	16	11	Columns								
A18	"	—	9	—	9	6	11	1	"								
A19	"	18	—	24	—	5	16	0	"								
A20	"	6	—	8	—	5	11	3	"								
A21	"	6	—	8	—	5	5	3	"								
A22	"	6	—	8	—	5	5	3	"								
A23	"	—	18	—	18	5	10	6	"								
A24	"	—	6	—	6	5	5	9	"								
A25	③	3	3	4	3	4	11	5	"	3	9	1	7				
A26	"	3	3	4	3	4	12	1	"	4	1	1	7				
A27	"	3	3	4	3	4	12	9	"	4	5	1	7				
A28	"	3	3	4	3	4	13	5	"	4	9	1	7				
A29	"	3	3	4	3	4	14	1	"	5	1	1	7				
A30	"	3	3	4	3	4	14	9	"	5	5	1	7				
A31	"	3	3	4	3	4	15	5	"	5	9	1	7				
A32	"	3	3	4	3	4	16	1	"	6	1	1	7				
A33	"	3	—	4	—	4	16	9	"	6	5	1	7				
A34	"	3	—	4	—	4	17	5	"	6	9	1	7				
A35	"	3	—	4	—	4	18	1	"	7	1	1	7				
A36	"	3	—	4	—	4	18	9	"	7	5	1	7				
A37	"	3	—	4	—	4	19	5	"	7	9	1	7				
A38	Str.	—	—	—	1	10	32	5	Apron								
A39	"	2	2	—	—	10	57	6	"								
A40	"	—	—	—	16	5	31	6	"								
A41	"	16	16	—	—	5	22	11	"								
A42	⑤	52	52	66	55	5	13	2	"	0	11	6	2½				
A43	③	59	59	75	62	5	13	5	Cap	3	8	2	8				
A44	⑤	—	—	3	3	9	19	9	Wings	1	3½	9	5				
A45	Str	12	12	—	—	9	57	6	Cap								
A46	⑤	—	—	3	3	7	19	6	Wings	1	4	9	3				
A47	Str.	4	4	—	—	6	57	6	Cap								
A48	⑦	54	54	17	22	6	11	2	Parapet	7	1						
A49	④	54	54	17	22	7	7	4	"	1	0	9	5				
A50	⑧	54	54	70	57	5	4	2	"								
A51	⑥	20	20	—	—	5	29	11	"	26	2½						
A52	"	—	—	—	10	5	31	4	"	29	5½						
A53	Str.	28	28	32	32	4	2	9	Pads								
A54	⑤	28	28	32	32	4	7	4	"	2	0	2	9				
A55	"	6	6	3	3	9	18	0	Wings	1	3½	8	6				
A56	"	6	6	3	3	7	17	3	"	1	4	3	4				
A57	"	8	8	8	8	6	17	5	"	0	8	8	6				
A58	Str.	16	16	16	16	6	6	9	"								
A59	⑤	14	14	14	14	6	11	7	"	0	8	5	7				
A60	Str.	16	16	16	16	6	12	2	"								
A61	①	6	6	6	6	9	12	6	"	1	4	10	10				
A62	"	4	4	4	4	9	14	5	"	2	5	12	2				
A63	"	6	6	6	6	9	14	5	"	2	5	12	2				
A64	⑩	20	20	20	20	5	6	9	"								
A65	⑤	26	26	26	26	6	7	8	"	0	8	3	7				
A66	Str.	8	8	8	8	5	12	2	"								
A67	⑩	—	—	—	10	5	31	4	Parapet	29	8½						
A68	"	—	—	10	—	5	37	11	"	36	3½						
A69	⑨	—	—	10	—	5	37	11	"	36	3½						
A70	Str.	—	—	—	3	5	24	6	"								
A71	⑦	—	—	18	36	6	11	7	"	8	0						
A72	"	—	—	35	—	6	11	9	"	8	2						
A73	Str.	—	—	3	—	5	18	6	"								
A74	④	—	—	18	36	7	8	2	"	1	0	7	4				
A75	"	—	—	35	—	7	8	9	"	1	0	7	11				
A76	Str.	—	—	4	—	10	39	0	Apron								
A77	"	—	—	16	—	5	37	11	"								
A78	"	—	—	3	—	5	20	5	Parapet								
A79	"	—	—	4	4	5	37	2	"								

DESIGNED BY JRG CHECKED BY
DRAWN BY PFH CHECKED BY
TRACED BY JAM CHECKED BY
CHECKED BY TCW DATE
REVISED DATE
REVISED DATE
REVISED DATE

TYPE ①

TYPE ②

TYPE ③

TYPE ④

TYPE ⑤

TYPE ⑥

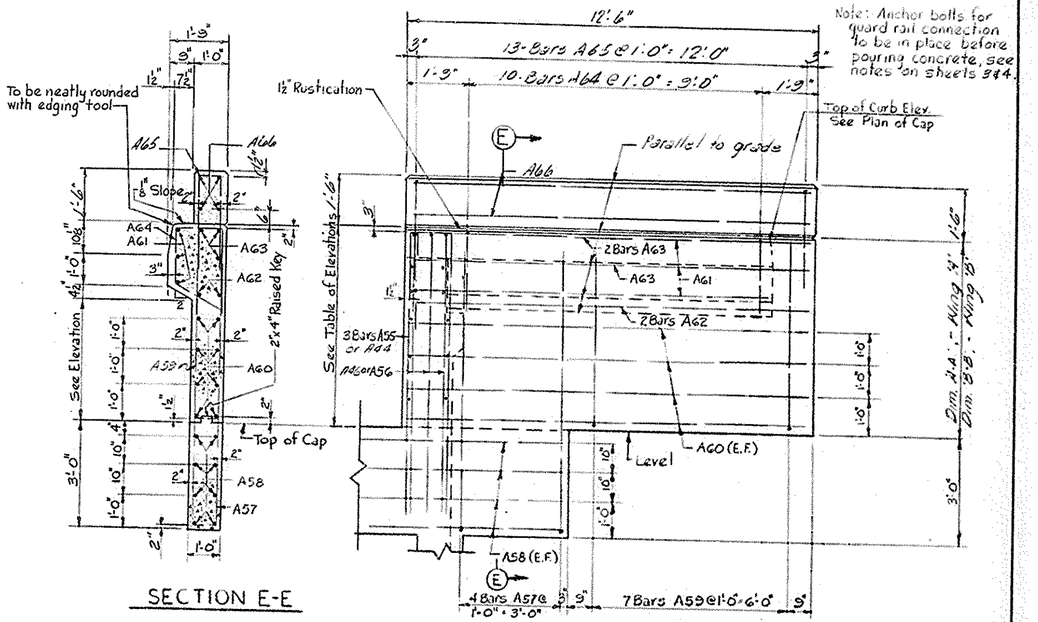
TYPE ⑦

TYPE ⑧

TYPE ⑨

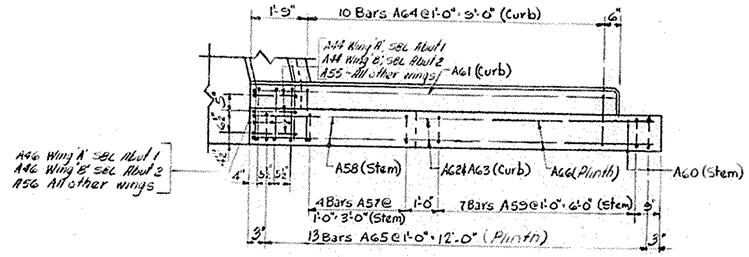
TYPE ⑩

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



SECTION E-E

TYPICAL WING ELEVATION



TYPICAL WING PLAN

TABLE OF DIMENSIONS AND ELEVATIONS

Point	Dim. 'A'	Dim. 'B'	Dim 'C'	Elev. 'D'	Elev. 'E'	Elev. 'F'	Elev. 'G'	Elev. 'H'	Elev. 'J'	Elev. 'K'	Elev 'L'
NBL - Abut. 1	5'-10⅝"	6'-10⅝"	8'-6"	703.89	722.283	722.752	723.083	723.414	723.748	723.862	723.757
NBL - Abut. 2	6'-10½"	5'-10¾"	3'-0"	708.16	721.157	722.443	722.554	722.630	722.496	722.212	721.851

Point	Elev. 'M'	Elev. 'N'	Elev. 'P'	Elev. 'Q'	Elev. 'R'	Elev. 'S'	Elev. 'T'	Elev. 'U'	Elev. 'V'	Elev. 'W'	Elev. 'X'
NBL - Abut. 1	725.675	727.455	727.466	728.663	728.674	728.674	728.684	728.455	728.465	728.338	728.348
NBL - Abut. 2	721.430	727.207	727.197	727.416	727.406	727.227	727.216	726.208	726.198	727.960	726.960

Point	Dim 'AA'	Dim '88'
NBL - Abut. 1	6'-0"	6'-11⅞"
NBL - Abut. 2	6'-0⅝"	5'-9⅝"
SBL - Abut. 1	7'-4⅜"	5'-11⅞"
SBL - Abut. 2	5'-10⅜"	6'-8⅞"

M.P. 23.15-W

NBL & SBL — ABUTMENTS 1 & 2

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 12

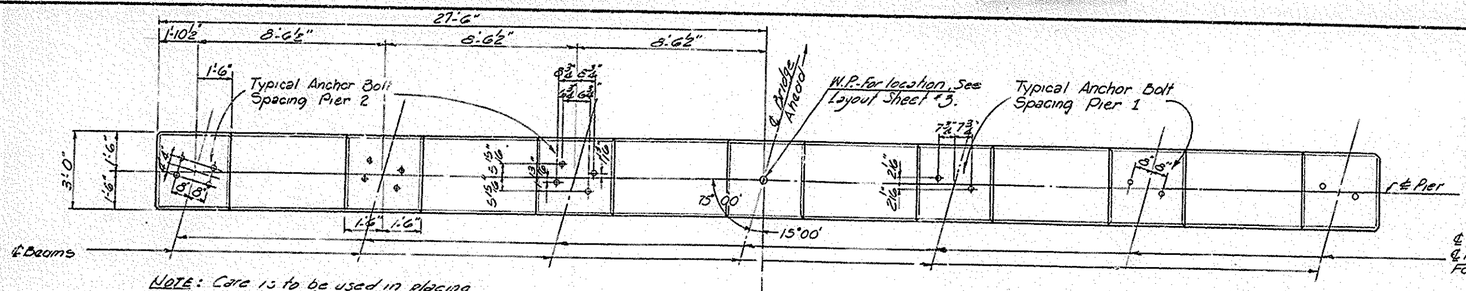
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940+97.29 JEFF FR. ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

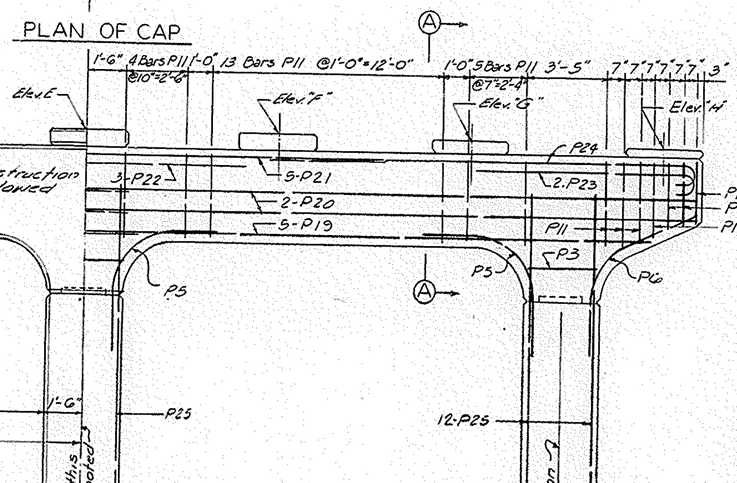
FED. ROAD DIST.	STATE	PROJ. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

ANCHOR BOLT NOTE

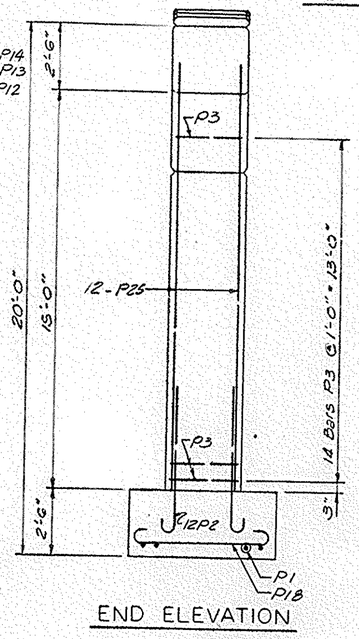
Holes of depth and dimensions noted shall be drilled for anchor bolts by the superstructure contractor who shall be responsible for keeping holes dry in freezing weather. After base plates are properly set and anchor bolts are placed in drilled holes, molten lead shall be poured in holes and packed until holes are completely filled flush to top of base plates. The cost of drilling anchor bolt holes, furnishing lead, and filling holes with molten lead shall be incidental to and included in the lump sum bid for structural steel.



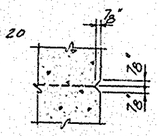
NOTE: Care is to be used in placing bars in top of cap to provide clearance for drilling anchor bolt holes.



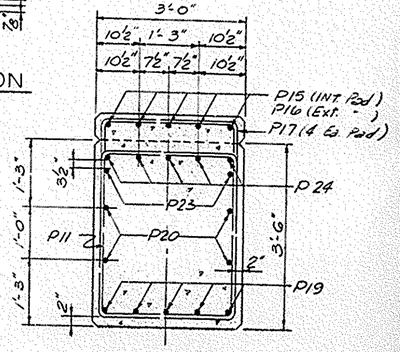
ELEVATION



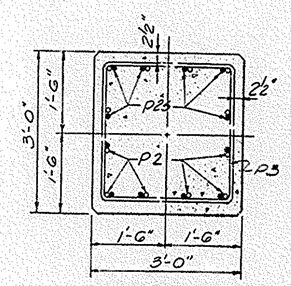
END ELEVATION



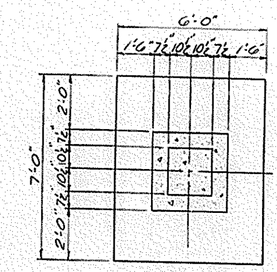
RUSTICATION DETAIL

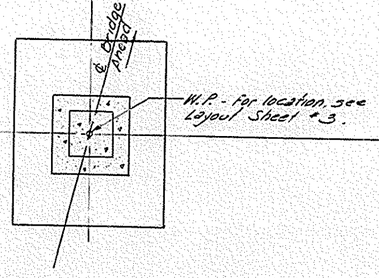


SECTION A-A



SECTION B-B





PLAN OF FOOTING

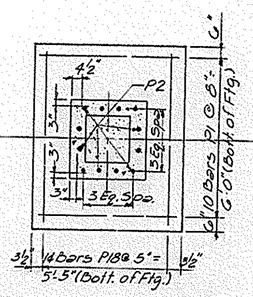


TABLE OF ELEVATIONS

	Elev. "A"	Elev. "B"	Elev. "C"	Elev. "D"	Elev. "E"	Elev. "F"	Elev. "G"	Elev. "H"
Pier 1	721.841	723.128	723.239	723.314	723.180	722.897	722.535	722.176
Pier 2	721.225	722.512	722.623	722.698	722.565	722.281	721.920	721.558

ESTIMATE OF QUANTITIES

	Pier 1	Pier 2	
Conc. Class "A"	52.5	52.5	Cu. Yds.
Reinforcement	8260	8260	Lbs.

M.P. 23.15-W

NBL-PIERS

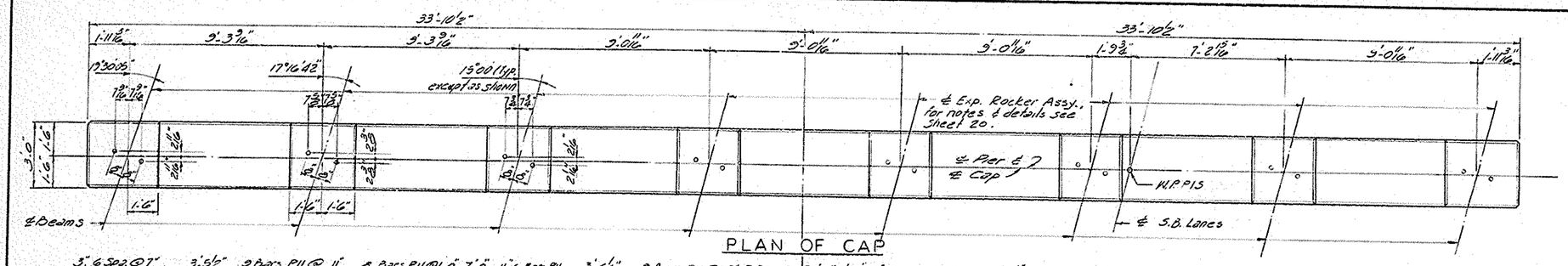
JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 13

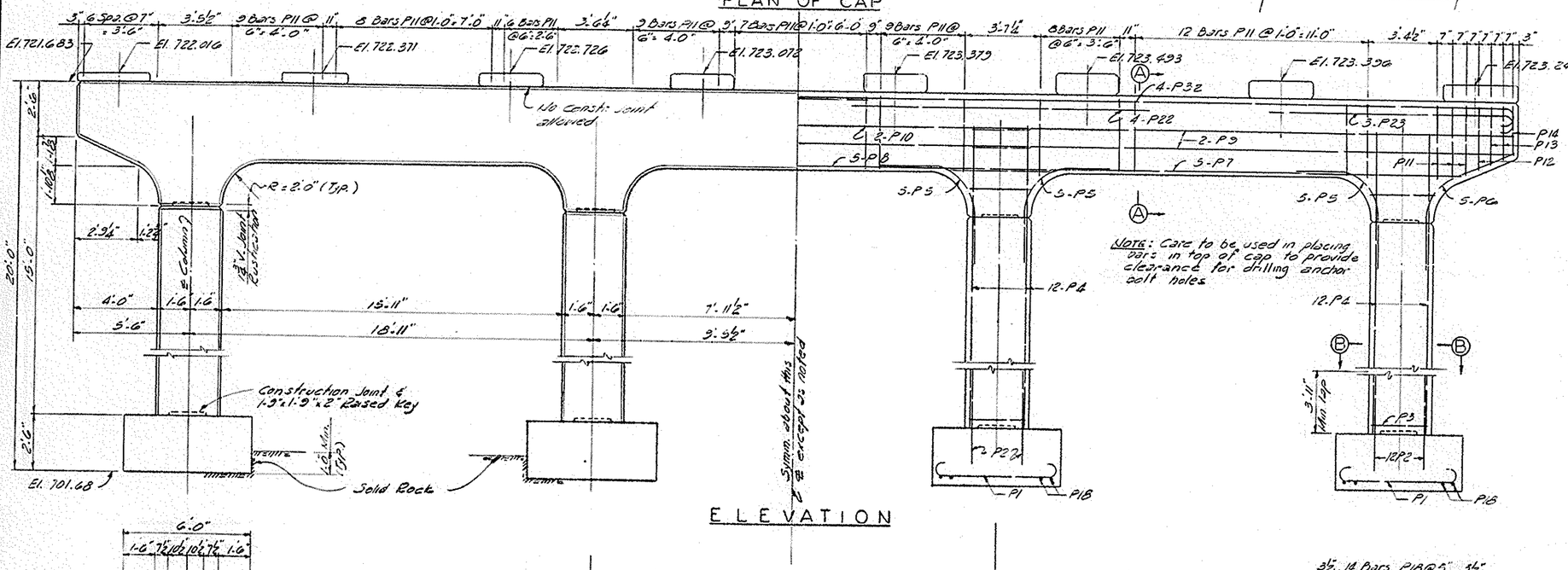
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
94.0+97.29 JEFF FR. **ROAD**
STATION 50+00.00 BASE LINE **PROJECT NO.**

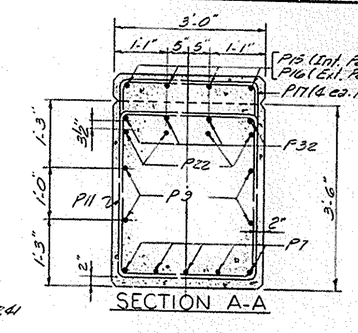
BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

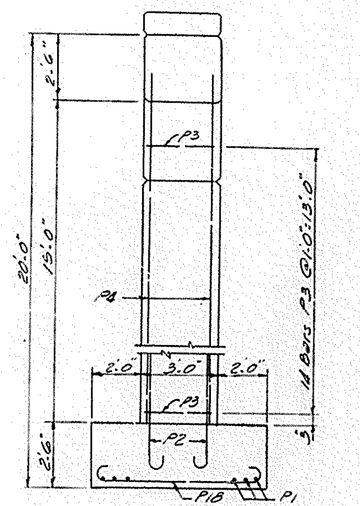
DESIGNED BY JRD DATE 62 REVISED DATE
DETAILED BY PLW DATE 62 REVISED DATE
CHECKED BY JDW DATE 62 REVISED DATE
TRACED BY CHECKED BY DATE

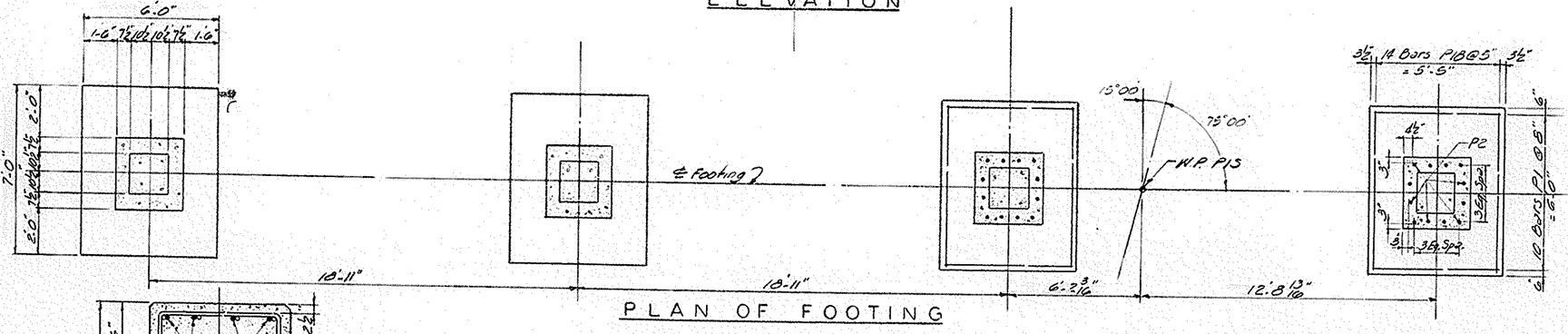
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

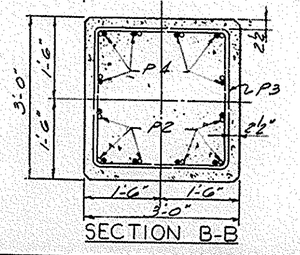












For Anchor Bolt Note, See Sh. #13

M.P. 23.15-W

PIER 1 S.B.

ESTIMATE OF QUANTITIES

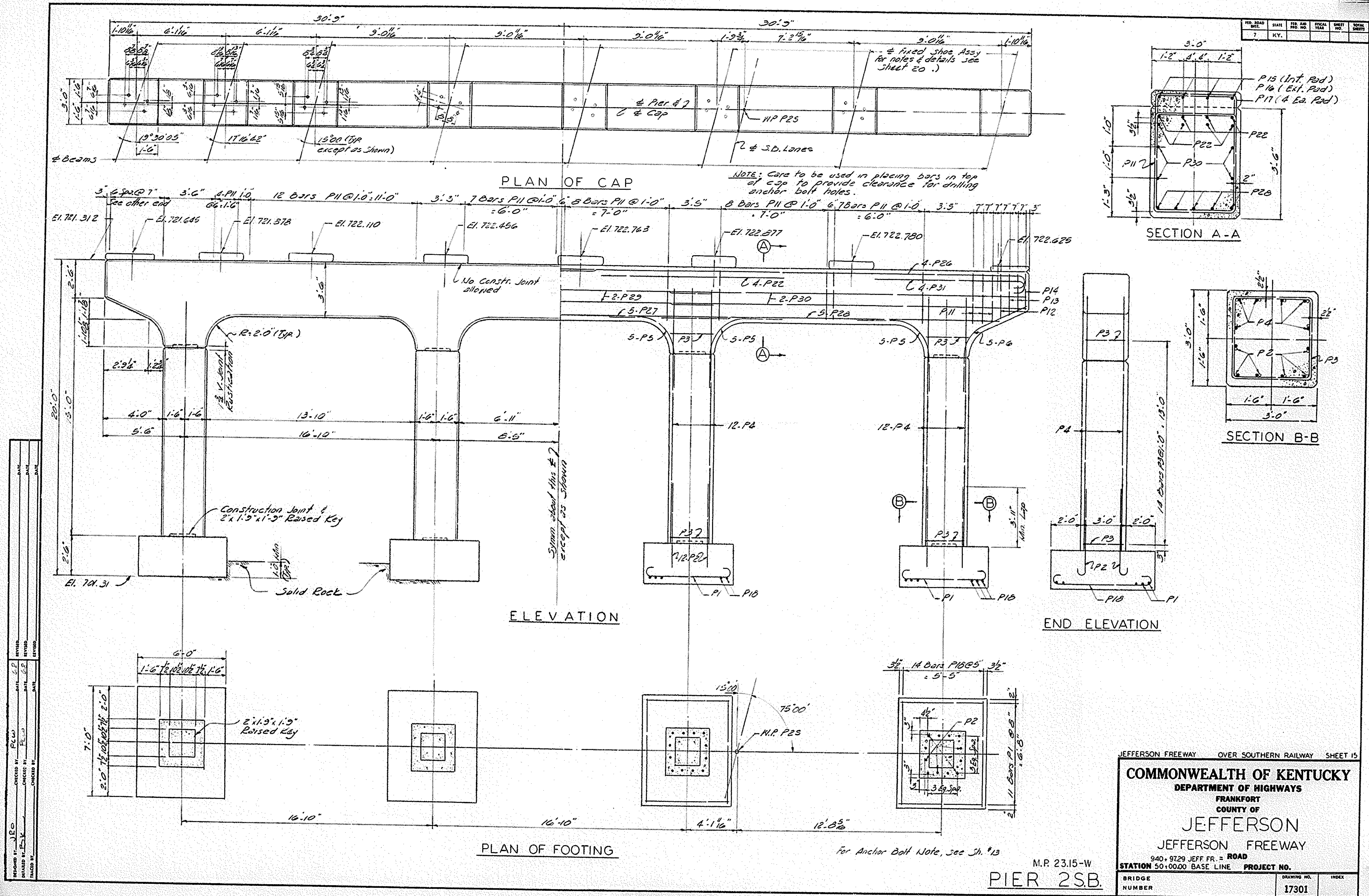
	Pier 1	Pier 2	
Concrete, Class "A"	71.0	67.7	cu yds.
Reinforcement	10,801	10,101	Lbs

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 14

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940 + 97.29 JEFF FR. ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

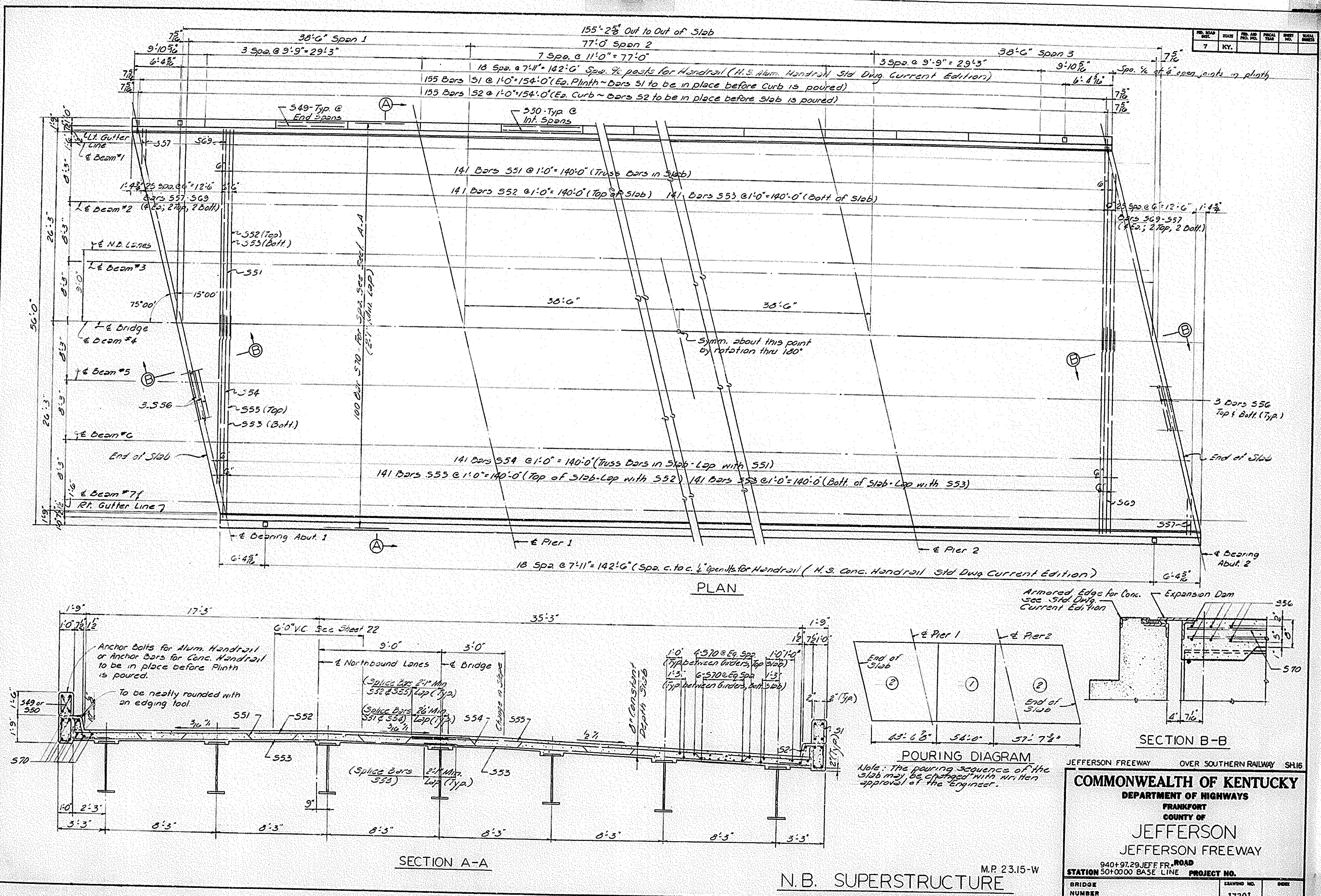
BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

DESIGNED BY JRD DATE 6-8 REVISED
DETAILED BY PCW DATE 6-12 REVISED
CHECKED BY DATE REVISED
TRACED BY CHECKED BY



PLAN OF CAP
Note: Care to be used in placing bars in top of cap to provide clearance for drilling anchor bolt holes.
℄ Fixed Shoe Assy for notes & details see Sheet 20.
℄ Pier & ℄ Cap
W.P. P25
℄ S.B. Lanes
℄ Beams
19°30'05"
17°16'42"
15°00' (Typ. except as shown)
30'-9"
30'-9"
ELEVATION
El. 721.312
El. 721.645
El. 721.878
El. 722.110
El. 722.496
El. 722.763
El. 722.877
El. 722.780
El. 722.625
No Constr. Joint allowed
R=2'-0" (Typ.)
Construction Joint & 2"x1'-3"x1'-3" Raised Key
Symm. about this ℄ except as shown
Solid Rock
El. 701.31
12-P4
END ELEVATION
SECTION A-A
P15 (Int. Pad)
P16 (Ext. Pad)
P17 (4 Ea. Pad)
SECTION B-B
PLAN OF FOOTING
2"x1'-3"x1'-3" Raised Key
W.P. P25
14 Bars P18 @ 5"
11 Bars P1 @ 8"
For Anchor Bolt Note, see Sh. #13
M.P. 23.15-W
PIER 2 S.B.
JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 15
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940+97.29 JEFF FR. = ROAD
STATION 50+00.00 BASE LINE PROJECT NO.
BRIDGE NUMBER
DRAWING NO. 17301
INDEX
FED. ROAD DIST. 7 STATE KY.
DESIGNED BY JRO
DETAILED BY HSK
CHECKED BY PCW
CHECKED BY PCW

[redacted]



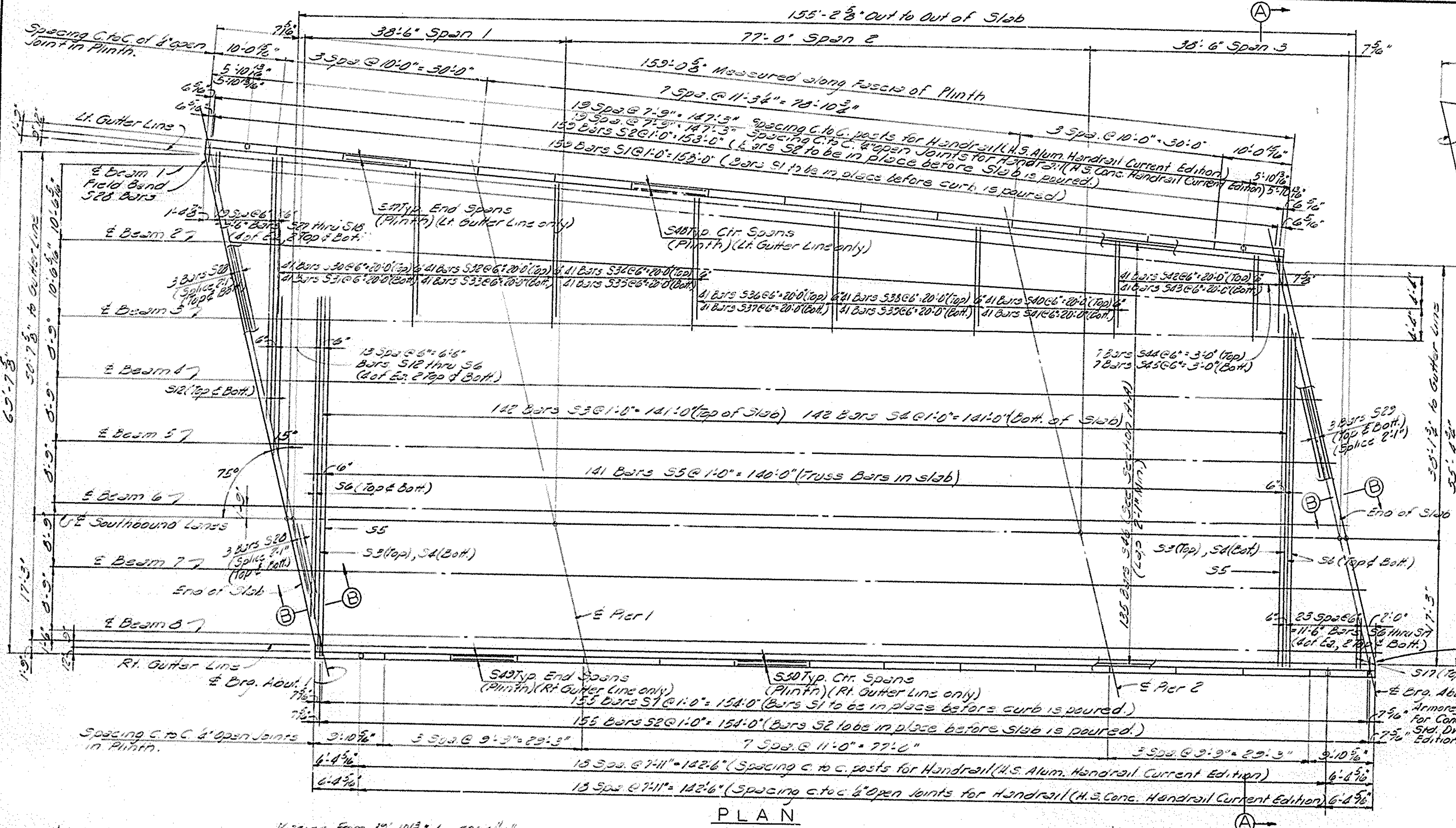
155'-2 5/8" Out to Out of Slab
38'-6" Span 1
77'-0" Span 2
38'-6" Span 3
3 Spa. @ 9'-9" = 29'-3"
7 Spa. @ 11'-0" = 77'-0"
18 Spa. @ 7'-11" = 142'-6" Spa. ½ posts for Handrail (H.S. Alum. Handrail Std Dwg Current Edition)
155 Bars S1 @ 1'-0" = 154'-0" (Eq. Plinth ~ Bars S1 to be in place before Curb is poured)
155 Bars S2 @ 1'-0" = 154'-0" (Eq. Curb ~ Bars S2 to be in place before Slab is poured)
Spa. ½ of 4" open joints in plinth
S49-Typ. @ End Spans
S50-Typ. @ Int. Spans
Lt. Gutter Line
℄ Beam #1
℄ Beam #2
℄ N.B. Lanes
℄ Beam #3
℄ Bridge
℄ Beam #4
℄ Beam #5
℄ Beam #6
℄ Beam #7
Rt. Gutter Line
End of Slab
25 Spa. @ 6" = 12'-6"
Bars S57-S69 (4 Eq., 2 Top, 2 Bott.)
141 Bars S51 @ 1'-0" = 140'-0" (Truss Bars in Slab)
141 Bars S52 @ 1'-0" = 140'-0" (Top of Slab)
141 Bars S53 @ 1'-0" = 140'-0" (Bott. of Slab)
141 Bars S54 @ 1'-0" = 140'-0" (Truss Bars in Slab - Lap with S51)
141 Bars S55 @ 1'-0" = 140'-0" (Top of Slab - Lap with S52)
141 Bars S53 @ 1'-0" = 140'-0" (Bott. of Slab - Lap with S53)
100 Bars S70. For Spa. See Sect. A-A (21" Min. Lap)
Symm. about this point by rotation thru 180°
3 Bars S56 Top & Bott. (Typ.)
75°00'
15°00'
56'-0"
℄ Bearing Abut. 1
℄ Pier 1
℄ Pier 2
℄ Bearing Abut. 2
18 Spa. @ 7'-11" = 142'-6" (Spa. c. to c. ½" open jts for Handrail (H.S. Conc. Handrail Std Dwg Current Edition)
PLAN
Anchor Bolts for Alum. Handrail or Anchor Bars for Conc. Handrail to be in place before Plinth is poured.
To be neatly rounded with an edging tool.
6'-0" VC See Sheet 22
℄ Northbound Lanes
℄ Bridge
(Splice Bars 21" Min. S52 & S55) Lap (Typ.)
(Splice Bars 26" Min. S51 & S54) Lap (Typ.)
(Splice Bars S53) 21" Min. Lap (Typ.)
Change in Slope
8" Constant Depth Slab
4-S70 @ Eq. Spa. (Typ. between Girders, Top Slab)
6-S70 @ Eq. Spa. (Typ. between Girders, Bott. Slab)
SECTION A-A
POURING DIAGRAM
End of Slab
54'-0"
Note: The pouring sequence of the slab may be changed with written approval of the Engineer.
Armored Edge for Conc. See Std. Dwg. Current Edition
Expansion Dam
SECTION B-B

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SH.16

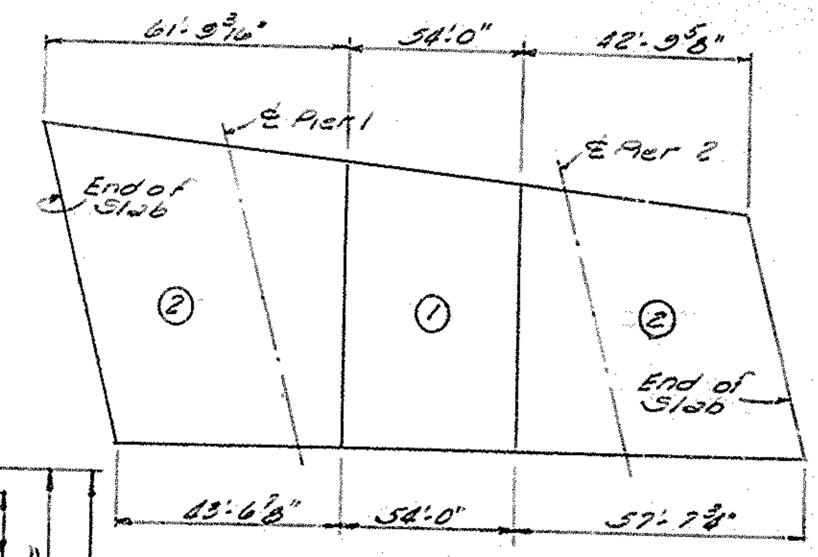
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
STATION 940+97.29 JEFF FR. ROAD 50+00.00 BASE LINE — PROJECT NO.
BRIDGE NUMBER — DRAWING NO. 17301

M.P. 23.15-W

N.B. SUPERSTRUCTURE

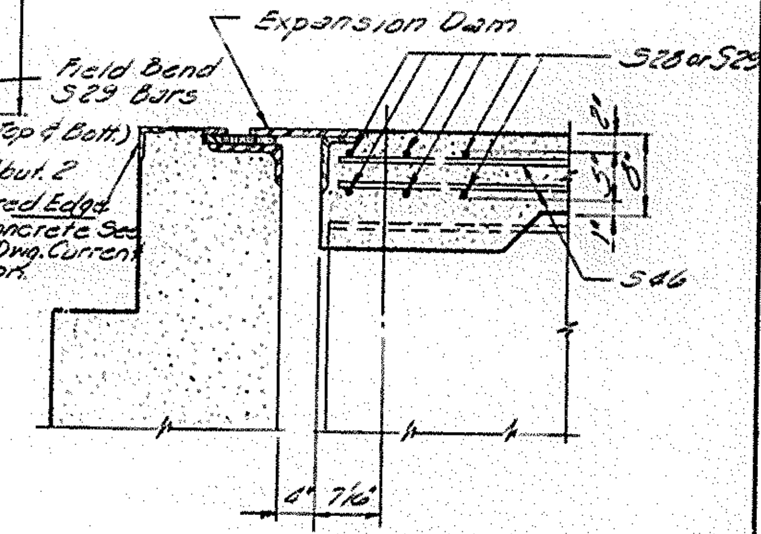


PLAN

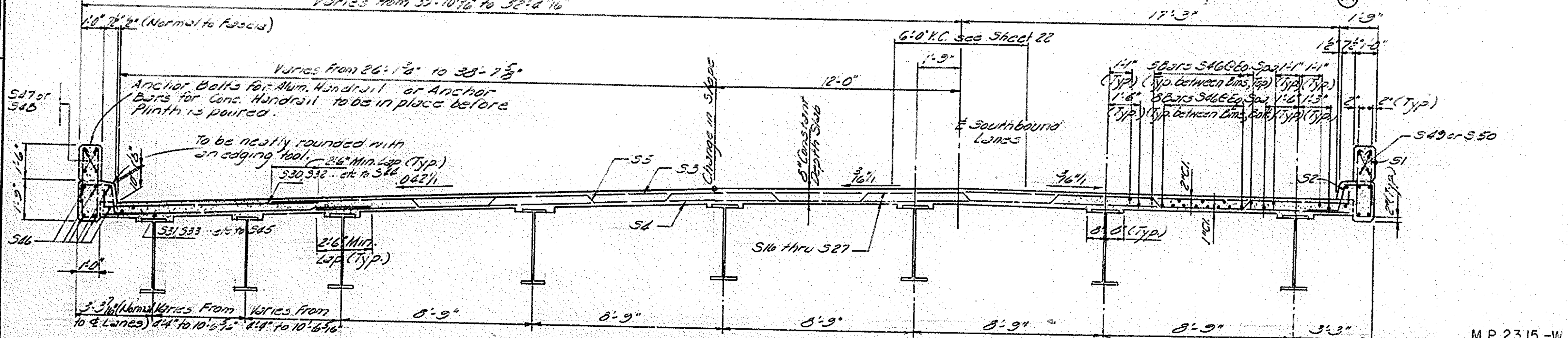


POURING DIAGRAM

Note: The pouring sequence of the slab may be changed with written approval of the Engineer.



SECTION B-B



SECTION A-A

M.P. 23.15 -W

S.B. SUPERSTRUCTURE

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

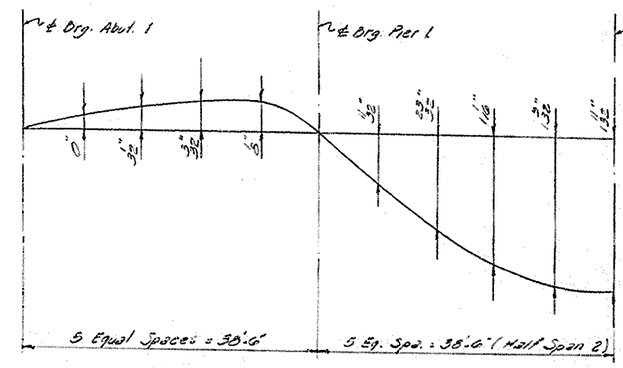
JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SH. 17

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY ROAD
STATION 940+97.29 JEFF FR. 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

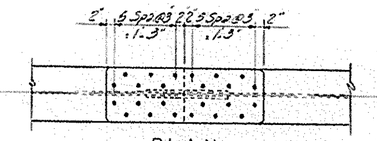
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

FRAMING PLAN

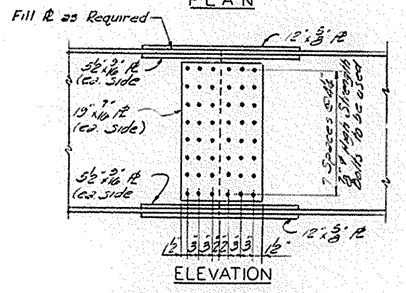


TOTAL D.L. DEFLECTION

TABLE OF DIMENSIONS				
Beam No.	Dim. "A"	Dim. "B"	Dim. "C"	Dim. "D"
Bm. 1 & 8	33'-5 7/16"	60'-10 1/4"	18'-1 5/8"	20'-11 7/16"
Bm. 2 & 8	38'-11 3/8"	55'-10 1/4"	17'-1 5/8"	20'-5 3/8"
All others	38'-6"	55'-0"	16'-3"	20'-0"

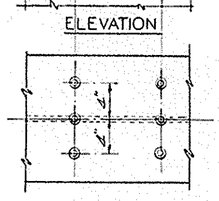


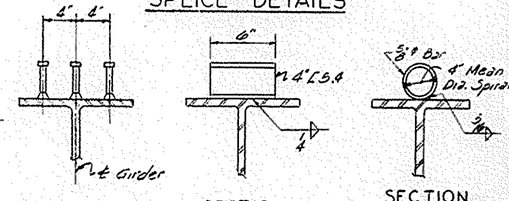
PLAN



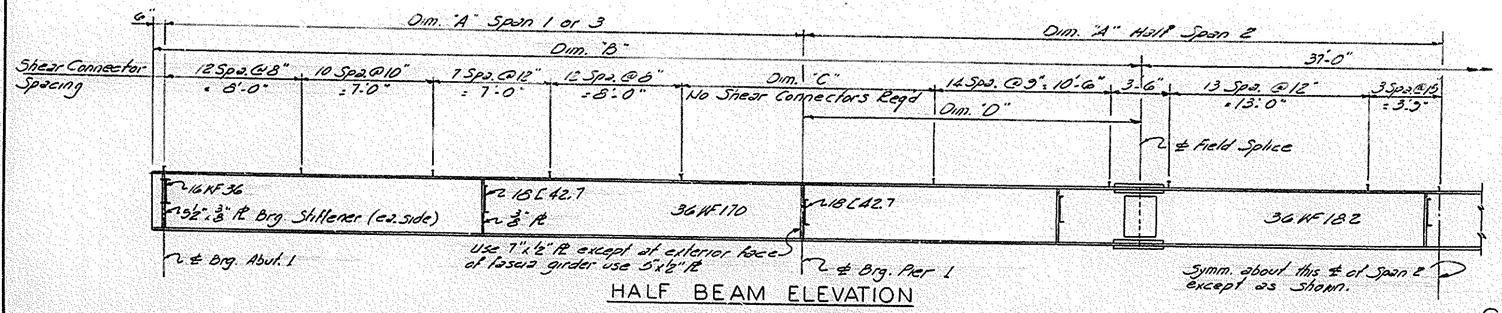
ELEVATION

SPLICE DETAILS





SHEAR CONNECTORS DETAILS



HALF BEAM ELEVATION

Note: Natural camber of rolled flange beams to be up. All dimensions shown hereon are horizontal.

M.P. 23.15-W

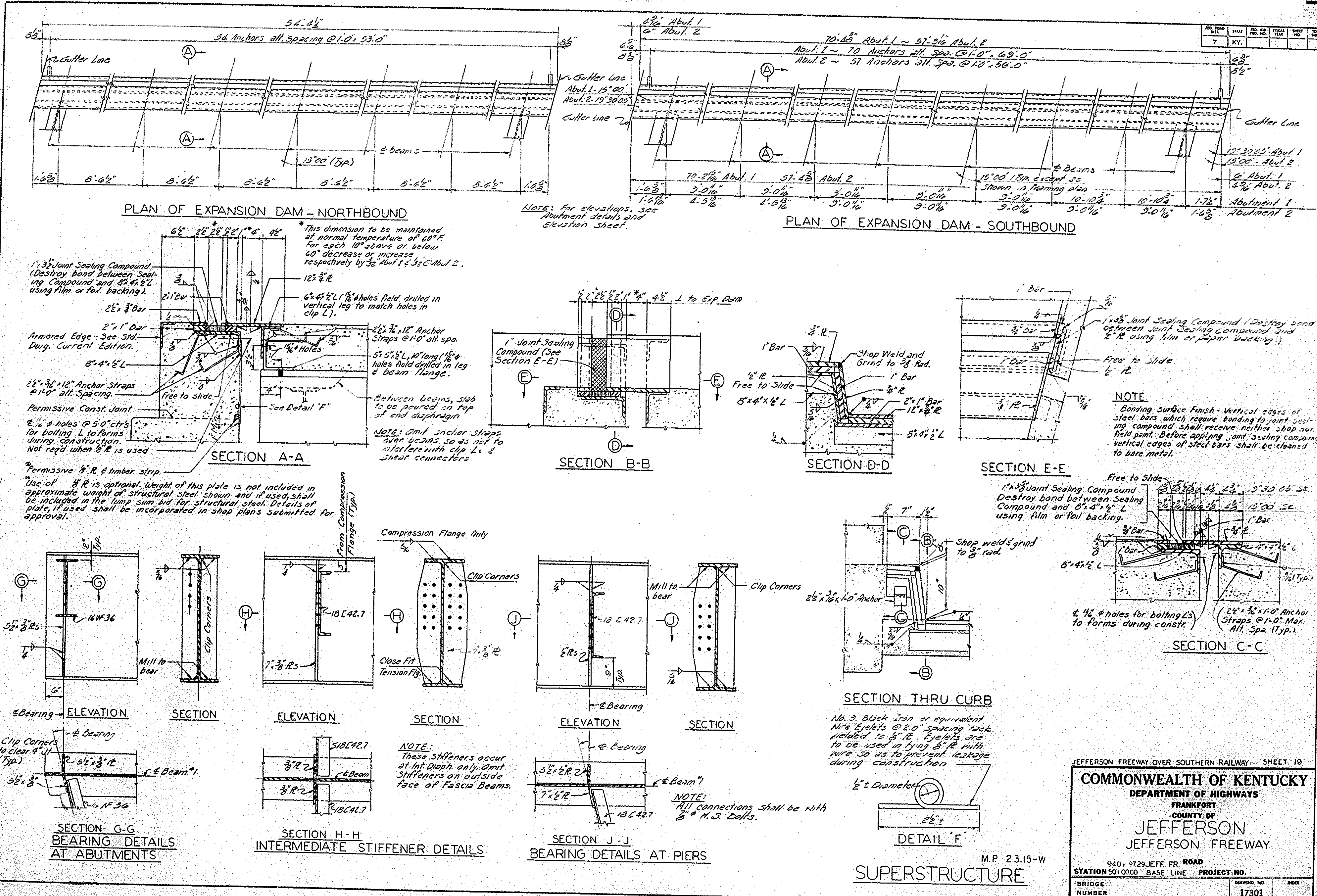
SUPERSTRUCTURE

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 18

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
STATION 940+97.29 JEFF FR. ROAD
50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

DESIGNED BY RLW DATE 6-8
DETAILED BY PCW DATE 6-8
TRACED BY DATE
CHECKED BY DATE
CHECKED BY DATE
REVISED DATE
REVISED DATE
REVISED DATE



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

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 19

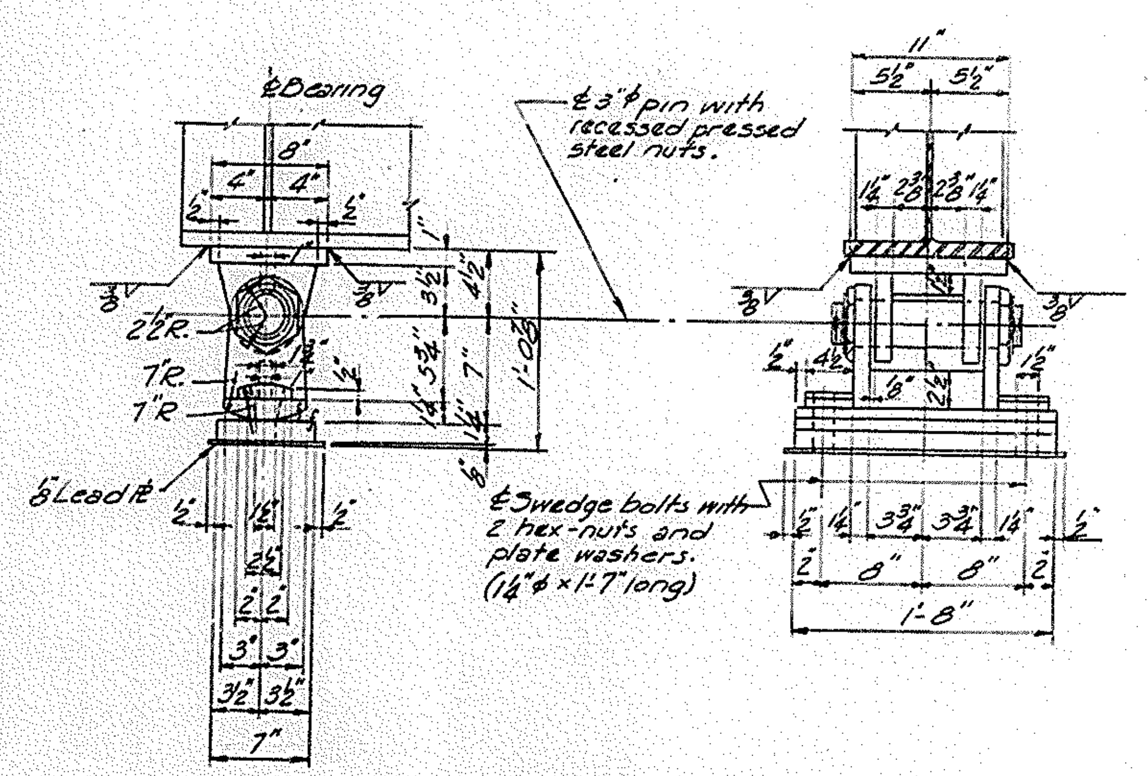
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY

940+97.29 JEFF. FR. ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER — DRAWING NO. 17301

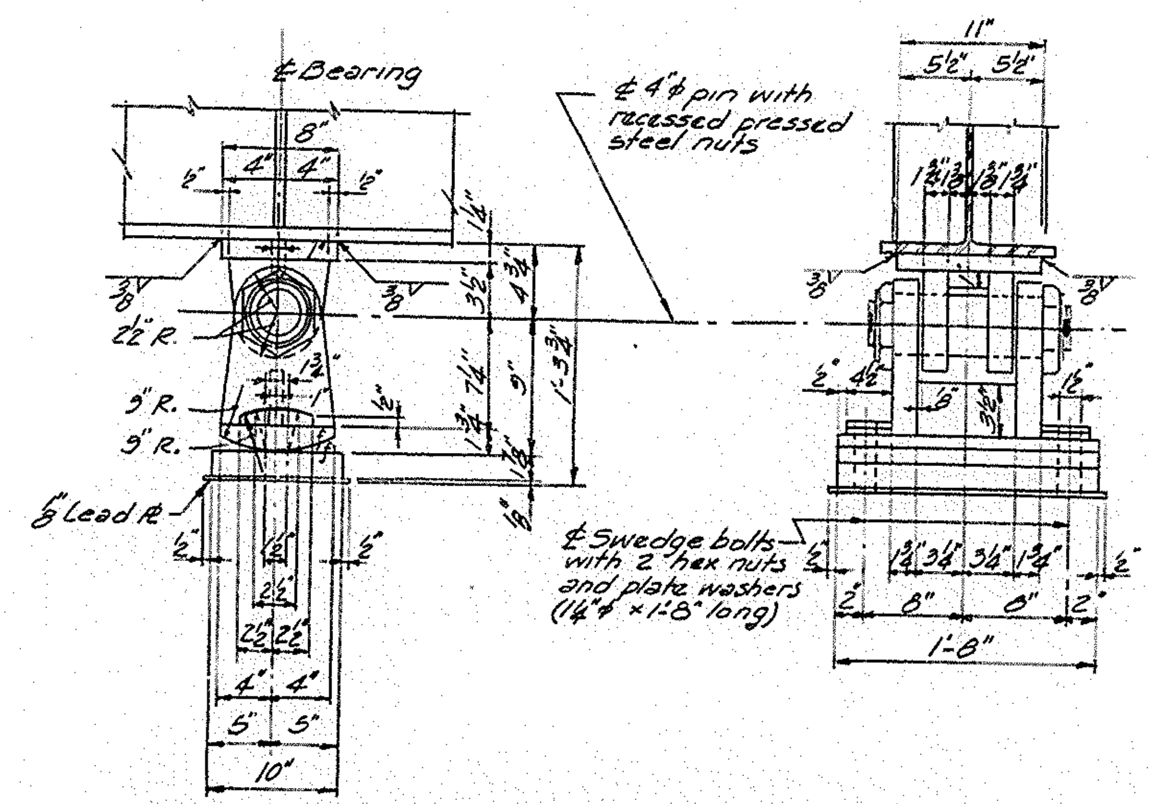
[redacted]

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



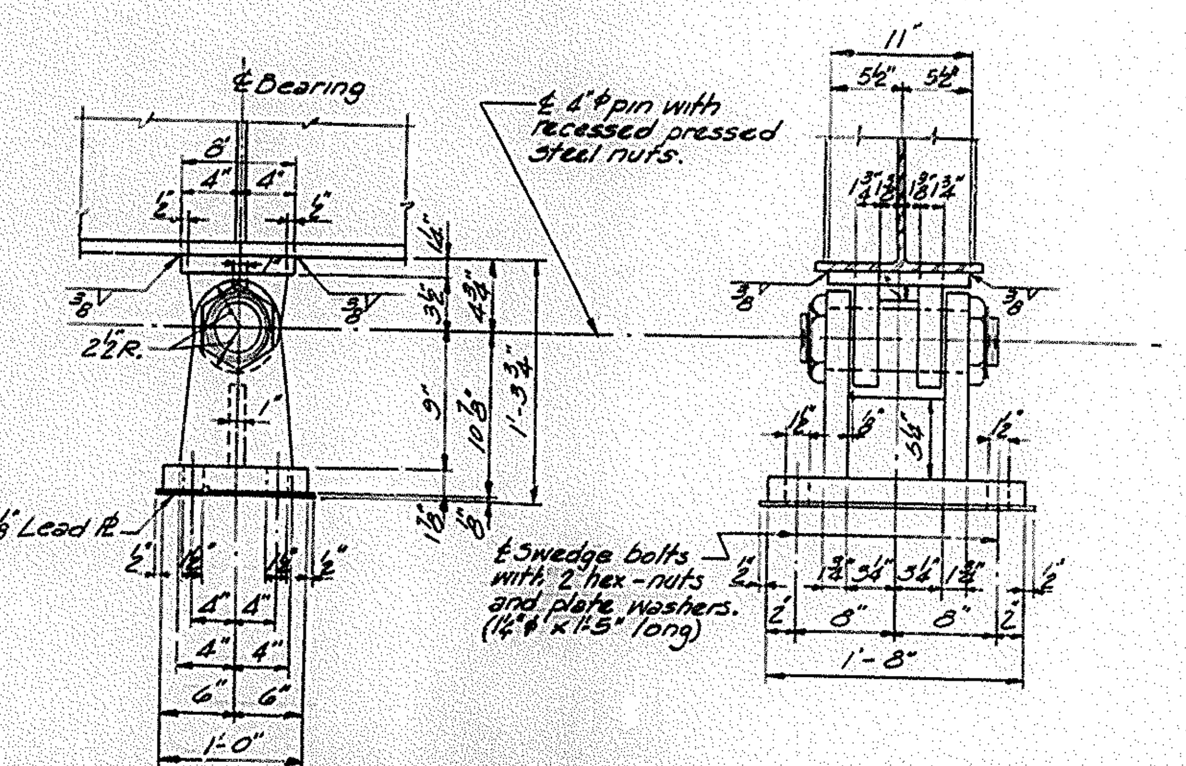
DETAIL OF EXPANSION ROCKER AT ABUTMENTS

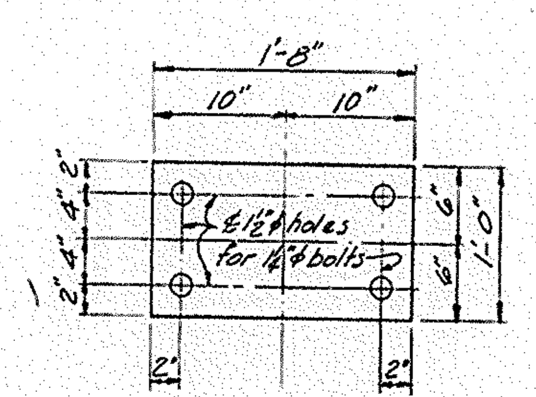
Capacity 100 kips
Weight, each shoe assembly 242 lb.



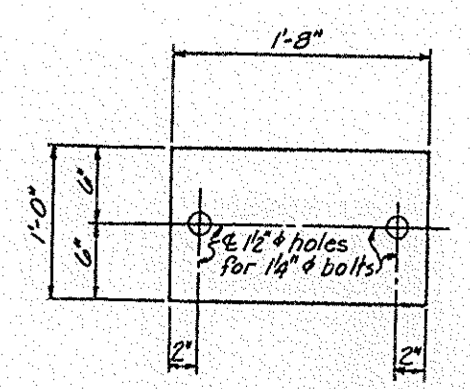
DETAIL OF EXPANSION ROCKER AT PIER 1

Capacity 175 kips
Weight, each shoe assembly 395 lb.





PLAN OF BOTTOM PLATE
(Fixed Shoes)



PLAN OF BOTTOM PLATE
(Expansion Shoes)

NOTE-
WELDS - Use ⅜" Fillet Welds for fabricating bearing devices.
PLATES - Plates must be true and free from warp.
ANCHOR BOLTS - See Anchor Bolt Note, sheet 13.
Holes for Anchor Bolts are to be 1¾"φ × 1'-0" deep in concrete.

DETAIL OF FIXED SHOE AT PIER 2

Vertical Capacity	175	kips
Horizontal Force	10	kips
Weight, each shoe assembly	352	lb.

DESIGNED BY PCW — CHECKED BY JRO
DETAILED BY CGB — CHECKED BY SMK
TRACED BY — CHECKED BY

M.P. 23.-15-W

SUPERSTRUCTURE

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 20

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
ROAD
STATION 940+97.29 JEFF. FR. / 50+00.00 BASE LINE PROJECT NO.
BRIDGE NUMBER
DRAWING NO. 17301
INDEX

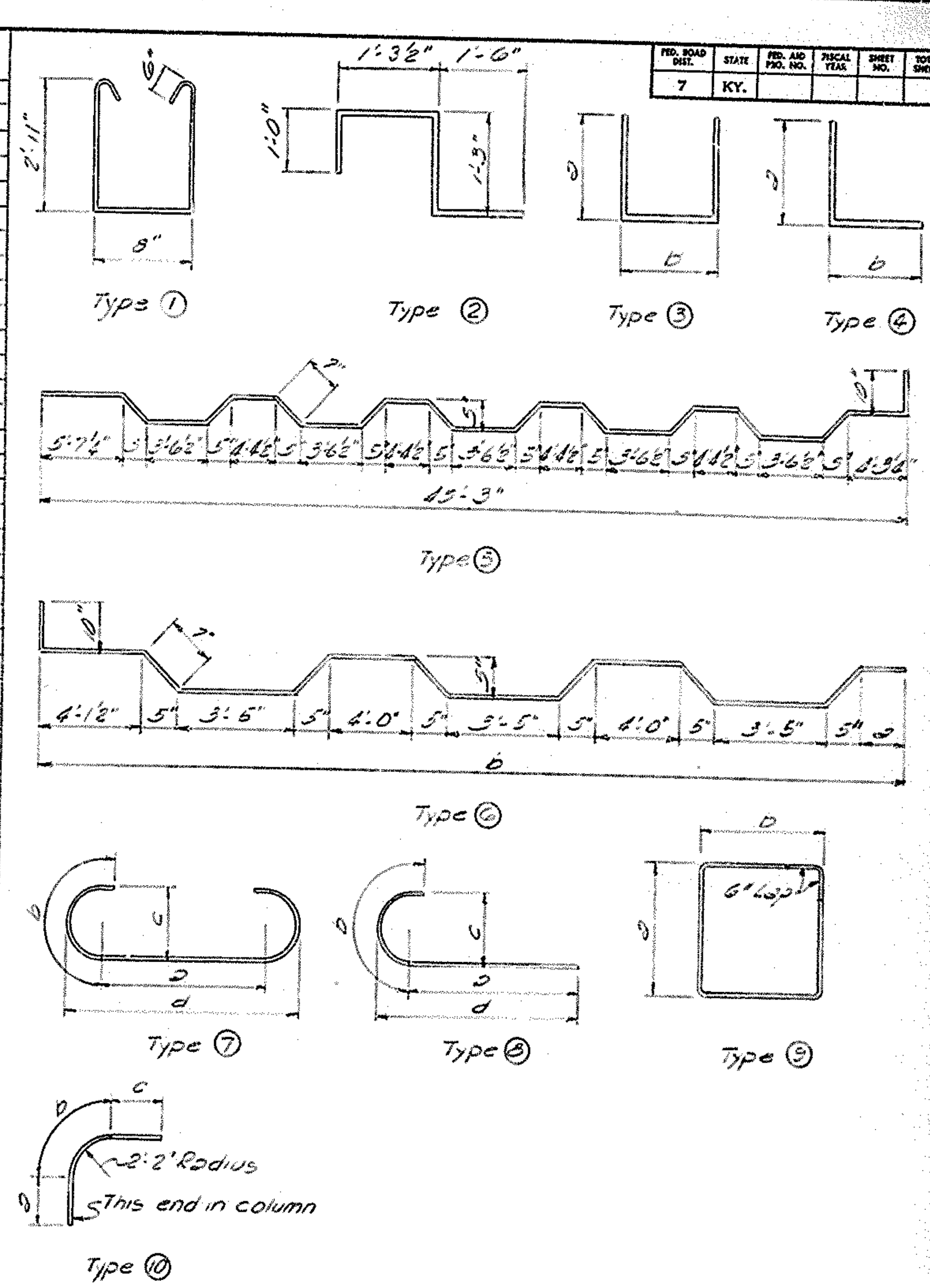
FED. ROAD DIST.	STATE	FED. AID PRO. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

SUPERSTRUCTURE-REINFORCEMENT

Mark	Type	Number S.B.	Number N.B.	Bar Size	Length Ft.	Length In.	Location	a Ft.	a In.	b Ft.	b In.	c Ft.	c In.	d Ft.	d In.
S1	(1)	314	310	5	7	3	Plinth								
S2	(2)	314	310	7	4	10	Curb								
S3	(4)	142	-	5	50	0	Top of Slab	0	10	49	3				
S4	Str.	142	-	5	47	1	Bott. of Slab								
S5	(5)	141	-	6	51	8	Bent Bars in Slab								
S6	(4)	8	-	6	49	1	Slab Corners	0	10	48	4				
S7	(4)	8	-	6	45	5	" "	0	10	44	8				
S8	(4)	8	-	6	41	8	" "	0	10	40	11				
S9	(4)	8	-	6	38	0	" "	0	10	37	3				
S10	(4)	8	-	6	34	3	" "	0	10	33	6				
S11	(4)	8	-	6	30	6	" "	0	10	29	9				
S12	(4)	8	-	6	26	9	" "	0	10	26	0				
S13	(4)	4	-	6	23	0	" "	0	10	22	3				
S14	(4)	4	-	6	19	4	" "	0	10	18	7				
S15	(4)	4	-	6	15	7	" "	0	10	14	10				
S16	(4)	4	-	6	11	10	" "	0	10	11	1				
S17	(4)	4	-	6	8	2	" "	0	10	7	5				
S18	(4)	4	-	6	39	6	" "	0	10	38	9				
S19	(4)	4	-	6	35	9	" "	0	10	35	0				
S20	(4)	4	-	6	32	0	" "	0	10	31	3				
S21	(4)	4	-	6	28	4	" "	0	10	27	7				
S22	(4)	4	-	6	24	7	" "	0	10	23	10				
S23	(4)	4	-	6	20	10	" "	0	10	20	1				
S24	(4)	4	-	6	17	1	" "	0	10	16	4				
S25	(4)	4	-	6	13	4	" "	0	10	12	7				
S26	(4)	4	-	6	9	8	" "	0	10	8	11				
S27	(4)	4	-	6	5	11	Slab Corners	0	10	5	2				
S28	Str.	12	-	6	36	10	Slab @ End								
S29	Str.	12	-	6	30	4	Slab @ End								
S30	(4)	41	-	6	22	4	Top of Slab	0	10	21	6				
S31	Str.	41	-	6	23	8	Bott. of Slab								
S32	(4)	41	-	6	20	7	Top of Slab	0	10	19	10				
S33	Str.	41	-	6	22	0	Bott. of Slab								
S34	(4)	41	-	6	19	0	Top of Slab	0	10	18	3				
S35	Str.	41	-	6	20	5	Bott. of Slab								
S36	(4)	41	-	6	17	5	Top of Slab	0	10	16	8				
S37	Str.	41	-	6	18	10	Bott. of Slab								
S38	(4)	41	-	6	15	9	Top of Slab	0	10	15	0				
S39	Str.	41	-	6	17	2	Bott. of Slab								
S40	(4)	41	-	6	14	1	Top of Slab	0	10	13	4				
S41	Str.	41	-	6	15	6	Bott. of Slab								
S42	(4)	41	-	6	12	6	Top of Slab	0	10	11	9				
S43	Str.	41	-	6	13	11	Bott. of Slab								
S44	(4)	7	-	6	10	11	Top of Slab	0	10	10	2				
S45	Str.	7	-	6	12	4	Bott. of Slab								
S46	Str.	675	-	5	33	5	Slab Longitudinal								
S47	Str.	32	-	4	9	8	Plinth								
S48	Str.	28	-	4	10	11	Plinth								
S49	Str.	32	64	4	9	6	Plinth								
S50	Str.	28	56	4	10	8	Plinth								
S51	(6)	-	141	6	~~28~~ 29	8½	Bent Bars in Slab	2	0½	25	10½				
S52	(3)	-	141	5	30	3	Top of Slab	0	10	30	0				
S53	Str.	-	282	5	20	0	Bott. of Slab								
S54	(6)	-	141	6	~~31~~ 30	8	Bent Bars in Slab	4	0	28	10½				
S55	(3)	-	141	5	27	8	Top of Slab	0	10	26	8				
S56	Str.	-	28	6	30	6	Slab @ Ends								
S57	(4)	-	8	6	6	0	Slab Corners	0	10	5	3				
S58	(4)	-	8	6	9	9	" "	0	10	9	0				
S59	(4)	-	8	6	13	5	" "	0	10	12	8				
S60	(4)	-	8	6	17	2	" "	0	10	16	5				
S61	(4)	-	8	6	20	11	" "	0	10	20	2				
S62	(4)	-	8	6	24	8	" "	0	10	23	11				
S63	(4)	-	8	6	28	5	" "	0	10	27	8				
S64	(4)	-	8	6	32	1	" "	0	10	31	4				
S65	(4)	-	8	6	35	10	" "	0	10	35	1				
S66	(4)	-	8	6	39	7	" "	0	10	38	10				
S67	(4)	-	8	6	42	4	" "	0	10	42	7				
S68	(4)	-	8	6	47	0	" "	0	10	46	3				
S69	(4)	-	8	6	50	9	Slab Corners	0	10	50	0				
S70	Str.	-	500	5	32	8	Slab Longitudinal								

PIER REINFORCEMENT

Mark	Type	Number Pier 1S	Number Pier 2S	Number Pier 1N	Number Pier 2N	Bar Size	Length Ft.	Length In.	Location	a Ft.	a In.	b Ft.	b In.	c Ft.	c In.	d Ft.	d In.
P1	(7)	40	40	30	30	5	6	11	Pier Footing	5	3	0	10	0	5	5	8
P2	(8)	48	48	36	36	7	7	0	Column Dowels	5	10	1	2	0	7	6	1½
P3	(9)	56	56	42	42	4	11	1	Column Hoops	2	7	2	7				
P4	Str.	48	48	—	—	7	17	0	Columns								
P5	(10)	30	30	20	20	6	7	5	Cap Haunch	2	0	3	5	2	0		
P6	(10)	10	10	10	10	6	6	11	" "	2	0	2	5	2	6		
P7	Str.	10	—	—	—	11	24	8	Pier Cap								
P8	Str.	5	—	—	—	11	23	8	" "								
P9	"	8	—	—	—	6	25	6	" "								
P10	"	4	—	—	—	6	21	5	" "								
P11	(9)	74	52	50	50	6	12	5	" "	3	2	2	8				
P12	(9)	2	2	2	2	6	11	9	" "	2	10	2	8				
P13	(9)	4	4	4	4	6	11	1	" "	2	6	2	8				
P14	(9)	2	2	2	2	6	10	5	Pier Cap	2	2	2	8				
P15	Str.	24	24	25	25	5	2	8	Pads (Interior)								
P16	Str.	8	8	10	10	5	3	0	" (Exterior)								
P17	(3)	32	32	28	28	5	6	6	"	2	0	2	8				
P18	(7)	56	56	42	42	5	7	11	Pier Footing	6	3	0	10	0	5	6	8
P19	Str.	—	—	10	10	11	27	0	Pier Cap								
P20	Str.	—	—	8	8	6	28	7	" "								
P21	Str.	—	—	5	5	11	22	6	" "								
P22	Str.	8	8	3	3	11	14	0	" "								
P23	(8)	6	—	4	4	11	14	5	Pier Cap	12	5	2	0	1	2	13	0
P24	"	—	—	10	10	11	19	5	" "	17	5	2	0	1	2	18	0
P25	Str.	—	—	36	36	7	17	0	Columns								
P26	(8)	—	8	—	—	11	34	5	Pier Cap	32	5	2	0	1	2	32	11
P27	Str.	—	5	—	—	11	21	7	" "								
P28	"	—	10	—	—	11	22	9	" "								
P29	"	—	4	—	—	6	19	4	" "								
P30	"	—	8	—	—	6	23	5	" "								
P31	(8)	—	8	—	—	10	14	4	" "	12	6	1	10	1	0½	13	0½
P32	(8)	8	—	—	—	11	37	7	" "	35	7	2	0	1	2	36	1



ESTIMATE OF QUANTITIES

	S.B.	N.B.	
Concrete Class "AA"	300.5	256.3	Cu. Yds.
Reinforcement	77,206	~~58,372~~ 58,266	Lbs.

PIERS & SUPERSTRUCTURE

M.P. 23.15-W

JEFFERSON FREEWAY OVER SOUTHERN RAILWAY SHEET 21

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY

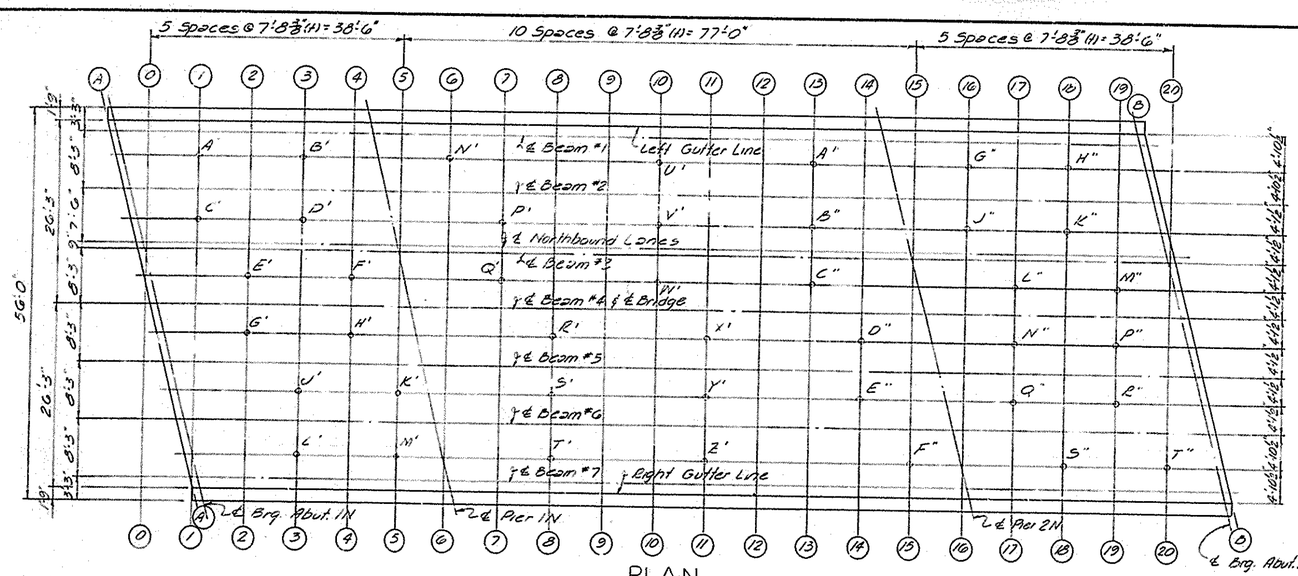
STATION 940+97.29 JEFF. FR. 50+00.00 BASE LINE ROAD PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

DESIGNED BY BEC DATE CHECKED BY PLH DATE REVISED Bars S51, S54, S55 N.B.W.L. DATE
DETAILED BY DATE GP CHECKED BY DATE REVISED DATE
TRACED BY DATE CHECKED BY DATE REVISED DATE

[redacted]

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



PLAN

TABLE OF ELEVATIONS

Section	Left Gutter Line			Beam #2			℄ Approach Lanes			Beam #4 & ℄ Bridge			Beam #5			Beam #6			Right Gutter Line		
	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"
A – A	728.852			—	—	—	728.661			—	—	—	—	—	—	—	—	—	727.453		
B – B	727.210			—	—	—	727.419			—	—	—	—	—	—	—	—	—	726.211		
0 – 0	728.410			728.562			728.656			—	—	—	—	—	—	—	—	—	—	—	—
1 – 1	.348			.500			.594			728.477			728.212			727.868			—	—	—
2 – 2	.284			.436			.530			.414			.149			.805			727.399		
3 – 3	.218			.371			.465			.349			.084			.741			.336		
4 – 4	.161			.311			.403			.286			.020			.676			.272		
5 – 5	.120			.259			.348			.229			727.960			.615			.209		
6 – 6	.087			.223			.313			.189			.916			.565			.153		
7 – 7	.049			.188			.276			.155			.879			.528			.112		
8 – 8	.005			.149			.239			.116			.844			.492			.080		
9 – 9	727.951			.101			.194			.073			.804			.455			.041		
10 – 10	.886			.041			.136			.018			.750			.406			726.996		
11 – 11	.811			.972			.071			727.953			.690			.346			.941		
12 – 12	.723			.890			727.993			.876			.616			.277			.875		
13 – 13	.636			.803			.906			.790			.532			.195			.797		
14 – 14	.552			.716			.820			.704			.444			.108			.712		
15 – 15	.480			.634			.732			.618			.359			.020			.624		
16 – 16	.419			.570			.664			.548			.282			726.941			.538		
17 – 17	.360			.509			.603			.486			.219			.875			.470		
18 – 18	.300			.453			.544			.427			.160			.815			.408		
19 – 19	.240			.392			.485			.368			.102			.757			.350		
20 – 20	—	—	—	—	—	—	.424			.307			.041			.697			.290		

TABLE OF ELEV. FOR CONTROL OF SLAB THICK.

Point	Plan Elev. Top of Slab	Field Elev. Top of Form	Plan Elev. Slab Thick.	Point	Plan Elev. Top of Slab	Field Elev. Top of Form	Plan Elev. Slab Thick.
A'	728.423			X'	727.821		
B'	.295			Y'	.517		
C'	.564			Z'	.143		
D'	.436			A"	.720		
E'	.479			B"	.873		
F'	.354			C"	.854		
G'	.282			D"	.574		
H'	.153			E"	.276		
J'	727.913			F"	726.822		
K'	.788			G"	727.494		
L'	.539			H"	.376		
M'	.412			J"	.634		
N'	728.155			K"	.521		
P'	.249			L"	.553		
Q'	.219			M"	.433		
R'	727.980			N"	.353		
S'	.668			P"	.235		
T'	.286			Q"	.047		
U'	.964			R"	726.930		
V'	728.106			S"	.612		
W'	.082			T"	.494		

NOTE

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 ¼" from the plan thickness, allowing ½ 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.

CONSTRUCTION NOTES

Lay out sections 0-0 to 20-20 as shown in plan. (Center punch marks on top of beams for elevation points.)

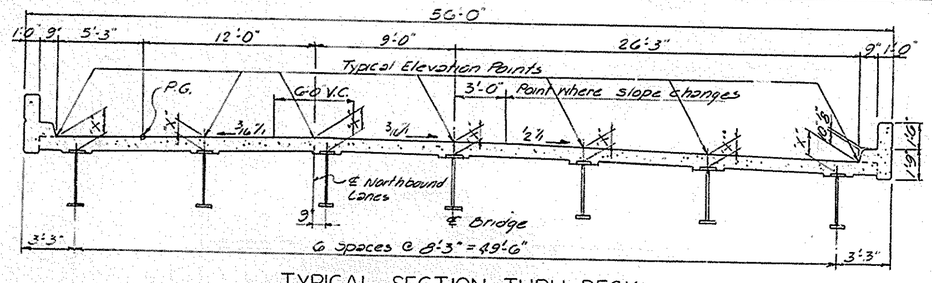
Take elevations on top of steel at points indicated after diaphragms are in place and after all falsework has been removed, but before forms for concrete slabs have been put in place. Read elevations to three decimals using a target rod and enter readings in table under "top of steel."

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

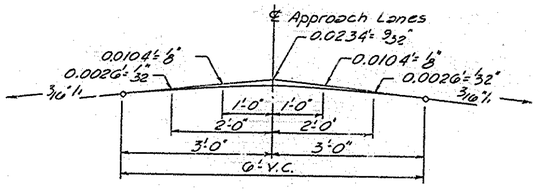
For setting templates measure Dimension "X" above top of steel for top of template. Do not set template by elevations.

Construct handrail to curb grade. Do not add camber to handrail plinth.

Slab elevation tolerances are based on delivery to the bridge site of fabricated steel having dimension and sweep tolerances meeting the requirements of A.S.T.M. designation A6 for rolled beams and are based on erection of steel undamaged



TYPICAL SECTION THRU DECK



PARABOLIC CROWN

M.P. 23.15-W

N.B. ELEVATIONS

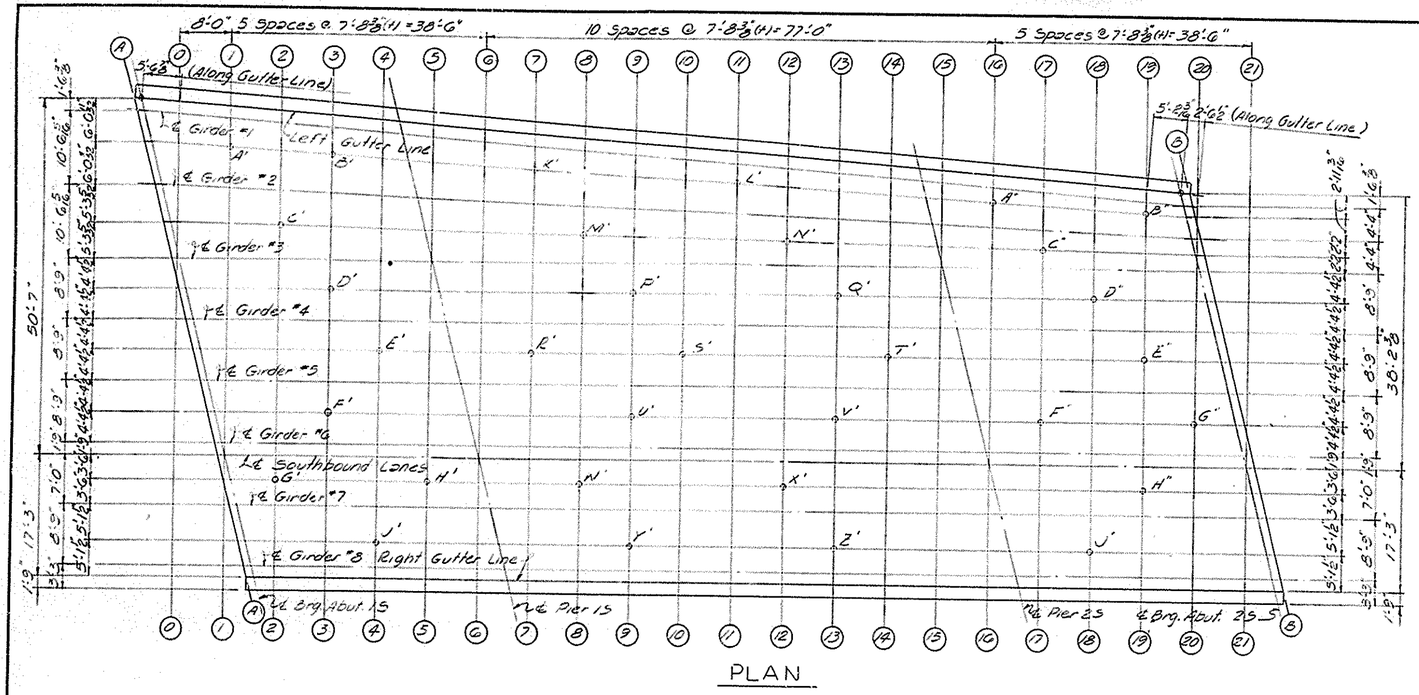
JEFFERSON FREEWAY (N.B) OVER SOUTHERN RAILWAY SHEET 22

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940+97.29 JEFF FR. ROAD
STATION 50+00.00 BASE LINE PROJECT NO.

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

DESIGNED BY ... DATE ... REVISED ...
DETAILED BY ... DATE ... REVISED ...
TRACED BY ... DATE ... REVISED ...
CHECKED BY ... DATE 1-68 ...
CHECKED BY ... DATE ...
CHECKED BY ... DATE ...

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



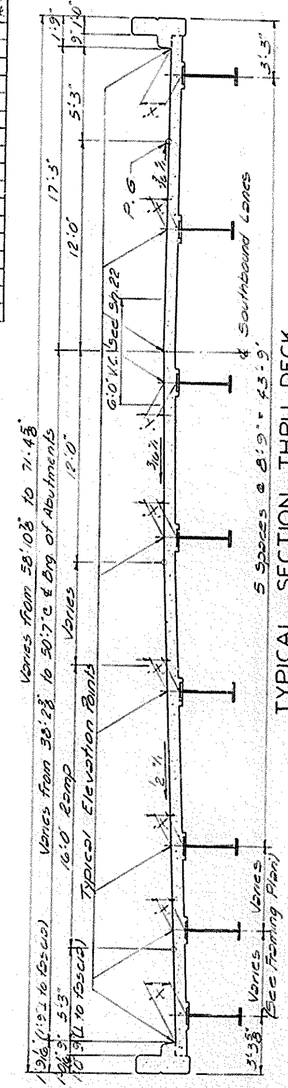
PLAN

Point	Plan Elev. Top of Slab	Field Elev. Top of Form	Plan Elev. Slab Thick.	Point	Plan Elev. Top of Slab	Field Elev. Top of Form	Plan Elev. Slab Thick.
A'	727.345			T'	727.789		
B'	.254			U'	728.350		
C'	.736			V'	.094		
D'	728.059			W'	.423		
E'	.360			X'	.218		
F'	.638			Y'	.243		
G'	.742			Z'	.011		
H'	.552			A"	726.701		
J'	728.481			B"	.580		
K'	727.152			C"	.305		
L'	.006			D"	727.138		
M'	.486			E"	.441		
N'	.260			F"	.771		
P'	.785			G"	.593		
Q'	.502			H"	.633		
R'	728.219			J"	.616		
S'	.089						

TABLE OF ELEV. FOR CONTROL OF SLAB THICK.

NOTE

For Construction Notes, Slab Thickness Control Note, and Vertical Curve Detail see Sh. 22



TYPICAL SECTION THRU DECK
(Looking Ahead)

TABLE OF ELEVATIONS

Section	Left Gutter Line			Beam #2			Beam #3			Beam #4			Beam #5			Beam #6			℄ Lanes	Beam #7			Right Gutter Line		
	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Constr. Elev.	Top of Steel	Dim. "X"	Constr. Elev.	Top of Steel	Dim. "X"
A — A	727.176			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	728.841	—	—	—	728.558		
B — B	726.427			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	727.599	—	—	—	727.316		
0 — 0	727.146			727.634			728.063			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1 — 1	.107			.583			.004			728.370			728.695			728.888			728.836	—	—	—	—	—	—
2 — 2	.068			.532			727.940			.306			.638			.765			.773	728.688			728.528		
3 — 3	.029			.479			.876			.242			.569			.702			.710	.625			.466		
4 — 4	726.937			.432			.814			.178			.503			.637			.646	.560			.401		
5 — 5	.373			.397			.759			.121			.444			.576			.583	.497			.337		
6 — 6	.907			.370			.722			.080			.396			.520			.528	.440			.277		
7 — 7	.956			.397			.686			.040			.360			.484			.492	.400			.230		
8 — 8	.940			.322			.650			.007			.325			.448			.456	.367			.195		
9 — 9	.913			.285			.604			727.965			.284			.411			.419	.328			.158		
10 — 10	.876			.240			.547			.910			.234			.366			.374	.284			.118		
11 — 11	.828			.184			.481			.847			.173			.308			.316	.229			.067		
12 — 12	.770			.117			.403			.770			.100			.242			.250	.163			.005		
13 — 13	.710			.044			.317			.686			.018			.165			.173	.088			727.934		
14 — 14	.648			726.968			.230			.609			727.930			.078			.086	.001			.852		
15 — 15	.596			.898			.143			.515			.845			727.992			728.000	727.914			.766		
16 — 16	.557			.845			.075			.440			.767			.904			727.912	.829			.678		
17 — 17	.523			.797			.013			.377			.702			.836			.843	.757			.600		
18 — 18	.489			.752			726.955			.320			.643			.775			.783	.696			.536		
19 — 19	.455			.704			.895			.260			.584			.716			.724	.638			.477		
20 — 20	—	—	—	—	—	—	—	—	—	.200			.525			.657			.665	.579			.418		
21 — 21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	.596			.604	.518			.358		

M.P. 23.15-W

S. B. ELEVATIONS

JEFFERSON FREEWAY (S.B) OVER SOUTHERN RAILWAY SHEET 23

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
JEFFERSON
JEFFERSON FREEWAY
940+97.29 JEFF FR. ROAD
STATION 50+00.00 BASE LINE **PROJECT NO.**

BRIDGE NUMBER	DRAWING NO.	INDEX
	17301	

DESIGNED BY GS DATE
DETAILED BY PEH DATE 1968
CHECKED BY PEH DATE
TRACED BY PEH CHECKED BY JEW
REVISED DATE
REVISED DATE
REVISED DATE