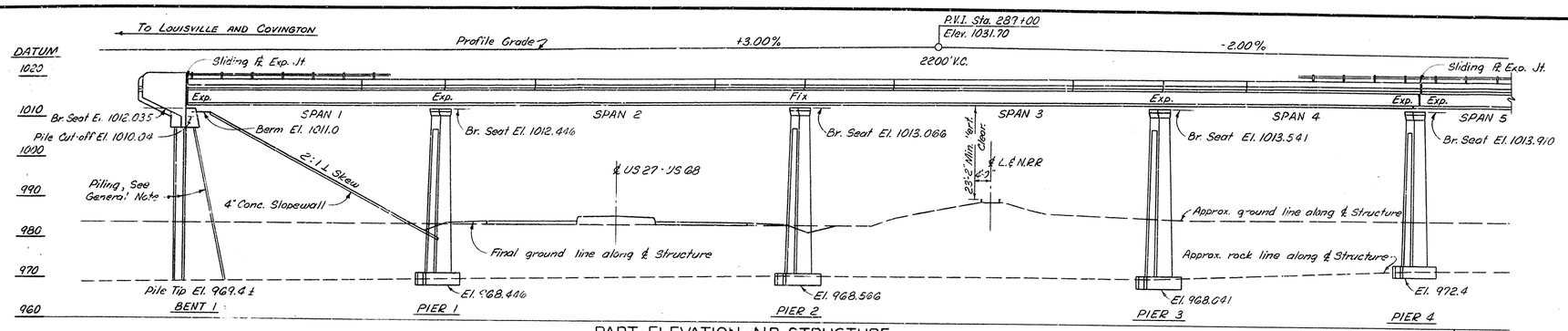
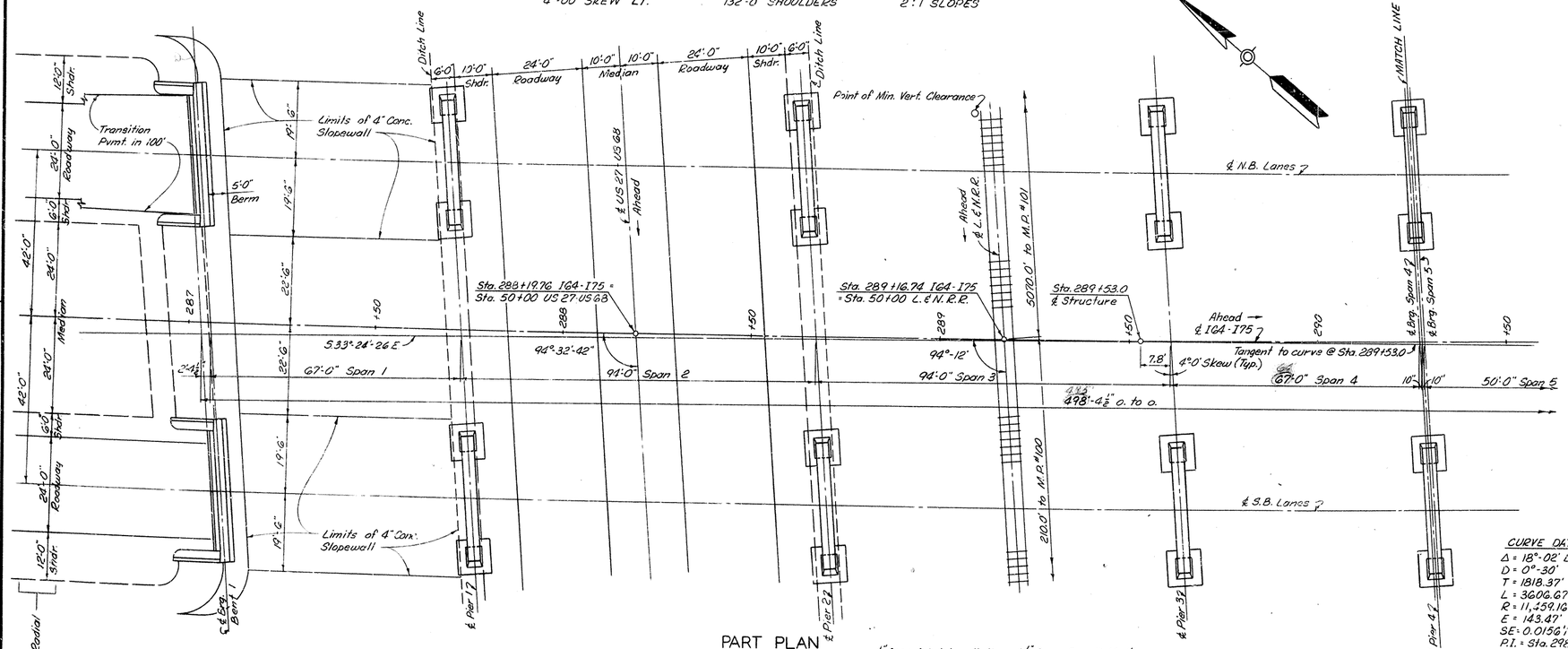
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

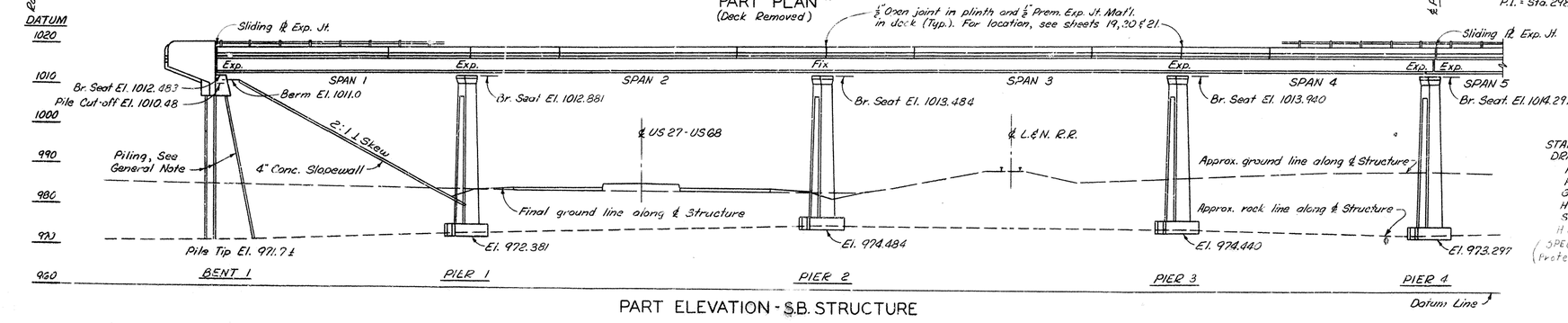


PART ELEVATION - N.B. STRUCTURE

67'-0", 94'-0", 94'-0", 67'-0" CONTINUOUS COMPOSITE STEEL BEAM SPANS
H20-S16-44 LOADING — 30'-0" ROADWAY — 2'-0" SIDEWALKS
4°-00' SKEW LT. — 132'-0" SHOULDERS — 2:1 SLOPES



PART PLAN
(Deck Removed)



¼" Open joint in plinth and ½" Prem. Exp. Jt. Mat'l. in deck (Typ.). For location, see sheets 19, 20 & 21.

PART ELEVATION - S.B. STRUCTURE

GENERAL NOTES

SPECIFICATIONS: Kentucky Department of Highways, 1956 Standard with Amendments.

DESIGN LOAD: Bridge designed for H20-S16-44 loading as specified in 1957 A.A.S.H.O. Specifications or alternate loading of two 24 kip axles spaced 4 feet apart, whichever produces the greater stress. Slabs are designed for 16 kip wheel load.

DESIGN STRESSES: For reinforced concrete; $f_s = 20{,}000$ p.s.i.; $f_c = 1200$ p.s.i.; $f'_c = 3000$ p.s.i.; $u = 200$ p.s.i. for embedment and 300 p.s.i. for computations of E_o. For structural steel, $f_s = 20{,}000$ p.s.i. for ASTM A-36 steel.

FOUNDATION PRESSURE: Footings are designed for a maximum pressure of 24,000 p.s.f.

CONCRETE: Class "A" Concrete is to be used throughout except in piles. Class "D" Concrete is to be used in piles.

REINFORCEMENT: Intermediate or Hard grade reinforcement shall be used in accordance with ASTM A15-58T for billet steel or A16-59T for rail steel. 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 ⅞" unless otherwise shown.

PLACING FILLS: Embankment shall be placed in compacted layers to bottom of bent cap elevation before driving piles in any pile bent. Embankment shall be placed simultaneously in front and back of end bents and abutments in compacted layers and the 5 ft. minimum berm provided as shown on the plans before placing shoring and forms for the end spans.

PILING: Piling shall be driven to refusal. 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.

ALTERNATE TYPES OF PILING: The contractor shall use one of the following types throughout:
Alternate "A" - 12.5P53 Steel Piles, Std. Dwg. P17
Alternate "B" - 14" P.C. Precast Piles, Std. Dwg. P2

DRIVING CONCRETE PILES: For P.C. precast or prestressed piles cored holes through the embankment will be required for starting piles. The cost of this work is to be included in the unit price bid per linear foot for driving piles.

EXPANSION JOINT MATERIAL AND COPPER STRIP: The cost of these items is to be included in the unit price bid for Class "A" Concrete.

STRUCTURAL STEEL: "Lump Sum Bid" for structural steel shall be full payment for all structural steel, bolts, washers, steel pins, cast iron, lead plates, molten lead, welding and welding materials, paint and all labor and materials necessary to erect the steel in accordance with the plans and specifications.

SHEAR CONNECTORS: "Lump Sum Bid" for shear connectors shall be full payment for all shear connectors, welding and welding materials and all labor and materials necessary to shop weld or field weld the shear connectors in place in accordance with the plans and specifications.

OPTIONAL TYPES OF SHEAR CONNECTORS: The contractor shall use one of the following optional types throughout:
Option 1 ⅞" × 4" ℄ spirals
Option 2 ⅞" × 4" studs
Option 3 4" channel @ 5.4#

WELDED STUDS: Studs used for composite shear developers on steel bridges shall be welded with approved welding equipment.

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

SLOPE PROTECTION: Slope protection shall be 4" Concrete Slope Wall in accordance with Standard Drawing S.P.1.

WIND LOAD: This structure designed using wind loads based on a wind velocity of 65 M.P.H.

SHOP INSPECTION: Shop inspection shall be furnished by the Kentucky Department of Highways.

CLEARANCE: All falsework, bracing or forms shall have a minimum vertical clearance of 20 feet above top of highest rail and a minimum horizontal clearance of 9 feet measured at right angles to the ℄ of the nearest track.

CONSTRUCTION NOTE: The contractor shall arrange the work so as not to interfere with the operation of the L&N RR Co tracks at any time unless the contractor has made arrangements with the L&N RR Co. The contractor shall arrange with the L&N RR Co to provide flag protection at the contractors expense as specified in the special provisions. Plans for the erection of the structure shall be submitted for approval to the Dept of Highways and the L&N RR Co.

PROTECTIVE COATING: Protective coating shall be furnished and applied in accordance with the Special Provisions.

Note: Work Sheets 18 & 2 together.

CURVE DATA

$\Delta = 18°-02'$ Lt.
$D = 0°-30'$
$T = 1818.37'$
$L = 3604.67'$
$R = 11{,}459.16'$
$E = 143.47'$
$SE = 0.0156'/'$
P.I. = Sta. 298+18.80

STANDARD DRAWINGS

P2
P17
G351
H112 (Alum.)
SP1
H113 (Galv. Steel)
(SPEC. PROVISIONS (Protective Coating))

US 27, L&N RR & LIMESTONE ST. — SHEET 1 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

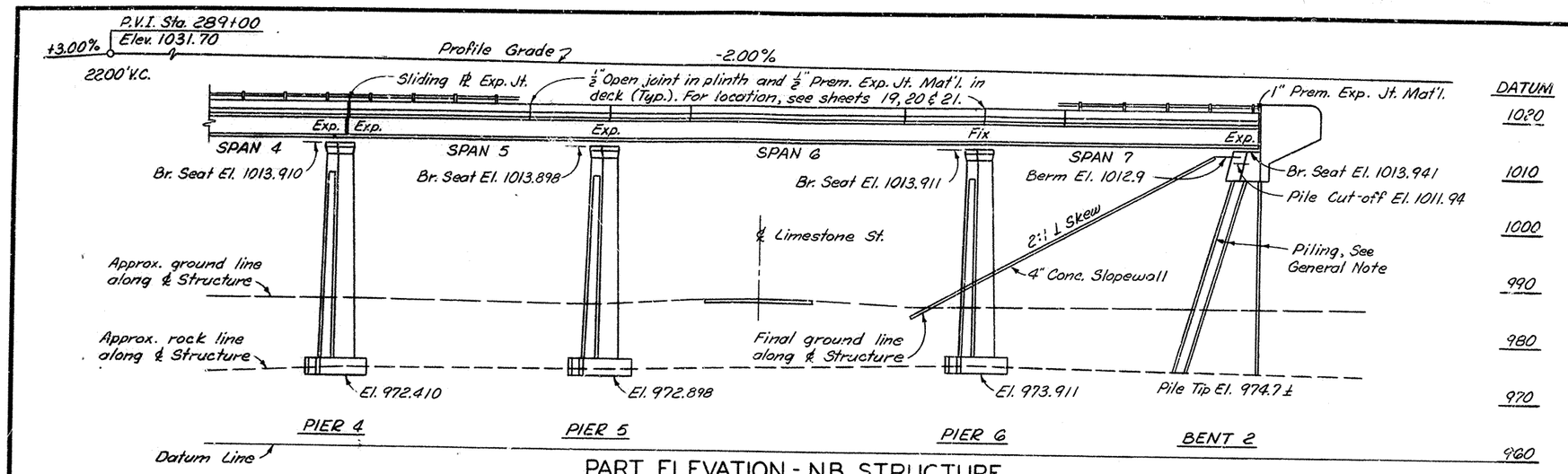
STATION 289+53.0 — PROJECT NO. I64-4(2)71

BRIDGE NUMBER	DRAWING NO.	INDEX
	15046	

DESIGNED BY — DATE — CHECKED BY — DATE — REVISED
DETAILED BY RAD — CHECKED BY — DATE — REVISED
TRACED BY — CHECKED BY — DATE — REVISED

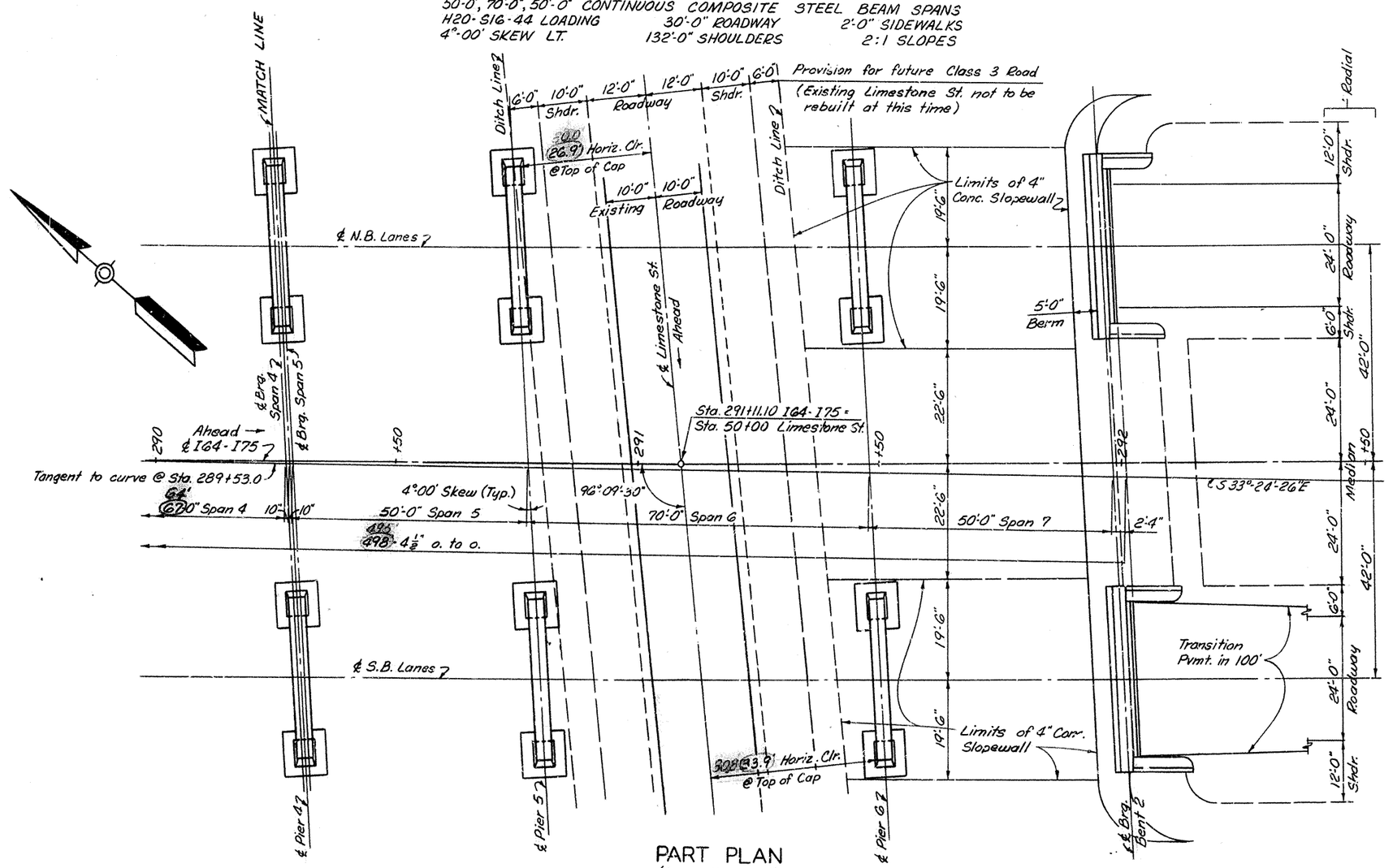
BRIDGE

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

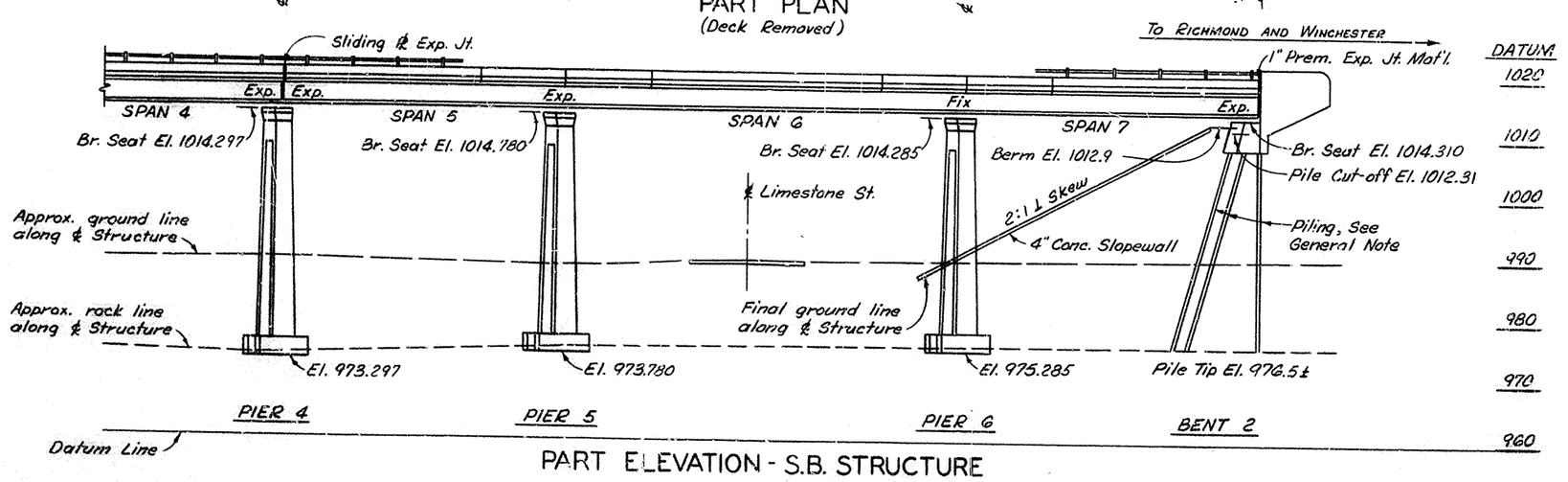


PART ELEVATION - N.B. STRUCTURE

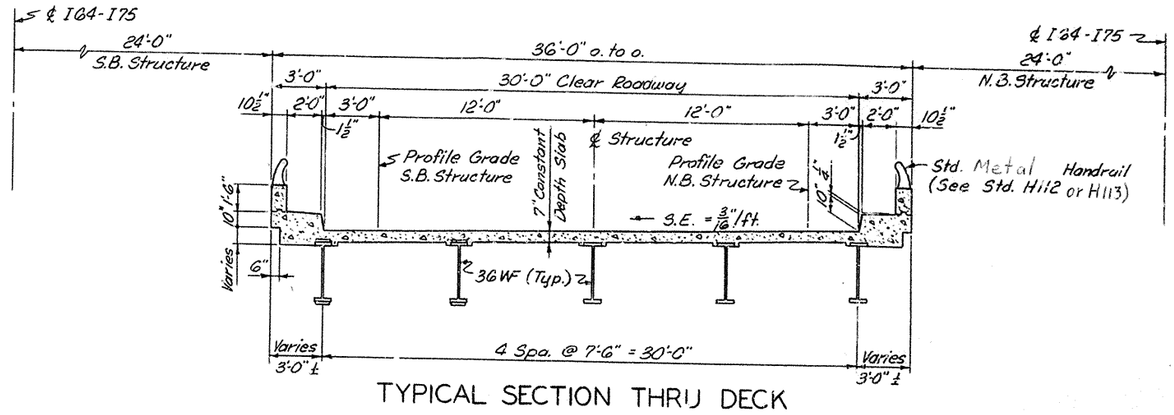
50'-0", 70'-0", 50'-0" CONTINUOUS COMPOSITE STEEL BEAM SPANS
H20-SIG-44 LOADING — 30'-0" ROADWAY — 2'-0" SIDEWALKS
4°-00' SKEW LT. — 132'-0" SHOULDERS — 2:1 SLOPES



PART PLAN
(Deck Removed)



PART ELEVATION - S.B. STRUCTURE



TYPICAL SECTION THRU DECK

REFERENCE AND ESTIMATE OF QUANTITIES

	LOCATION \ ITEM	SHEET NUMBER	CLASS "A" CONCRETE CU. YDS.	REINFORCEMENT LBS.	STRUCTURE EXCAV. CU. YDS. COMMON	STRUCTURE EXCAV. CU. YDS. SOLID ROCK	METAL HANDRAIL LIN. FEET Alt. "C"	METAL HANDRAIL LIN. FEET Alt. "D"	STRUCTURAL STEEL LUMP SUM	ALTERNATE "A" 12 BP 53 STEEL PILES LIN. FT. FURNISH	ALTERNATE "A" 12 BP 53 STEEL PILES LIN. FT. DRIVE	ALTERNATE "B" 14" R.C. PRECAST PILES LIN. FT. FURNISH	ALTERNATE "B" 14" R.C. PRECAST PILES LIN. FT. DRIVE	SLOPE PROTECTION 4" CONCRETE SLOPEWALL SQ. YDS.	SHEAR CONNECTORS LUMP SUM	LINSEED OIL Protective Coating SQ. YDS.
	GENERAL PLAN	1 & 2														
	SOUNDINGS	3														
	STAKE OUT	4														
	PILE RECORD	8														
N.B. STRUCTURE	END BENT #1	5 & 7	48.3	5,480						370	370	370	370	300		
	PIER #1	9 & 14	83.4	17,260	160	20										
	PIER #2	9 & 14	84.2	17,315	145	35										
	PIER #3	9 & 14	85.9	17,440	165	40										
	PIER #4	11 & 14	73.6	12,010	120	20										
	PIER #5	12 & 14	72.8	11,885	115	15										
	PIER #6	12 & 14	71.3	11,755	105	15										
	END BENT #2	6 & 7	48.3	5,480												
	STEEL	15-18							1	340	340	340	340	280		
	SUPERSTRUCTURE	19-21	528.3 (531.5)	102,610			989.9 (989.9)	989.9 (989.9)							1	2239 (2249)
	OFFSETS	22														
	CONTROL ELEV.	24 & 25														
	TOTALS		1,096.1 (1,099.3)	201,235	810	145	2239 (989.9)	2239 (989.9)	1	710	710	710	710	580	1	2239 (2249)
S.B. STRUCTURE	END BENT #1	5 & 7	49.4	5,655						355	355	355	355	300		
	PIER #1	10 & 14	77.9	15,260	130	15										
	PIER #2	10 & 14	75.7	15,135	95	20										
	PIER #3	10 & 14	76.4	15,080	150	20										
	PIER #4	11 & 14	72.8	11,940	155	10										
	PIER #5	13 & 14	72.0	11,780	130	20										
	PIER #6	13 & 14	69.7	11,580	135	15										
	END BENT #2	6 & 7	49.4	5,655						325	325	325	325	240		
	STEEL	15-18							1							
	SUPERSTRUCTURE	19-21	528.2 (531.5)	102,610			989.9 (989.9)	989.9 (989.9)							1	2239 (2249)
	OFFSETS	23														
	CONTROL ELEV.	26 & 27														
	TOTALS		1,071.6 (1,074.8)	194,695	795	100	2239 (1979.8)	2239 (1979.8)								2239 (2249)
TOTALS BOTH STR.			2,167.7 (2,174.1)	395,930	1,605	245	4478 (1967.8)	4478 (1967.8)	① 1	1,390	1,390	1,390	1,390	1,120	② 1	4478 (4498)

① For estimating purpose, total weight Structural Steel = 947,380 Lbs. — 1967.8
② " " " " " Shear Connectors = Option 1, 6,690 Lbs.
" 2, 5,930 Lbs.
" 3, 8,780 Lbs.

*NOTE: Quantities shown are total for both structures.

*BILL OF INCIDENTAL MATERIAL

ITEM	NO. PCS.	DESCRIPTION	LOCATION
½" Prem. Exp. Jt. Mat'l.	30	8" x 30'-1"	Deck Joints
½" " " " "	60	1'-6" x 3'-0"	Curb Joints
1" " " " "	2	1'-2" x 30'-1"	Bent 2
1" " " " "	4	1'-6" x 3'-0"	Bent 2
Copper Strip	30	½" x 34'-9"	Deck Joints
Copper Strip	2	1" x 2" 45'-53" 30'-0 3/16"	Bent 2

NOTE: The quantities shown in the Bill of Incidental Material are approximate only and the Contractor is responsible for furnishing enough material to complete the work in accordance with the plans and specifications.

NOTE: Work Sheets 1 & 2 together

US 27, L&N RR & LIMESTONE ST. — SHEET 2 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD
STATION 289 + 53.0 — **PROJECT NO.** I64-4(2)71

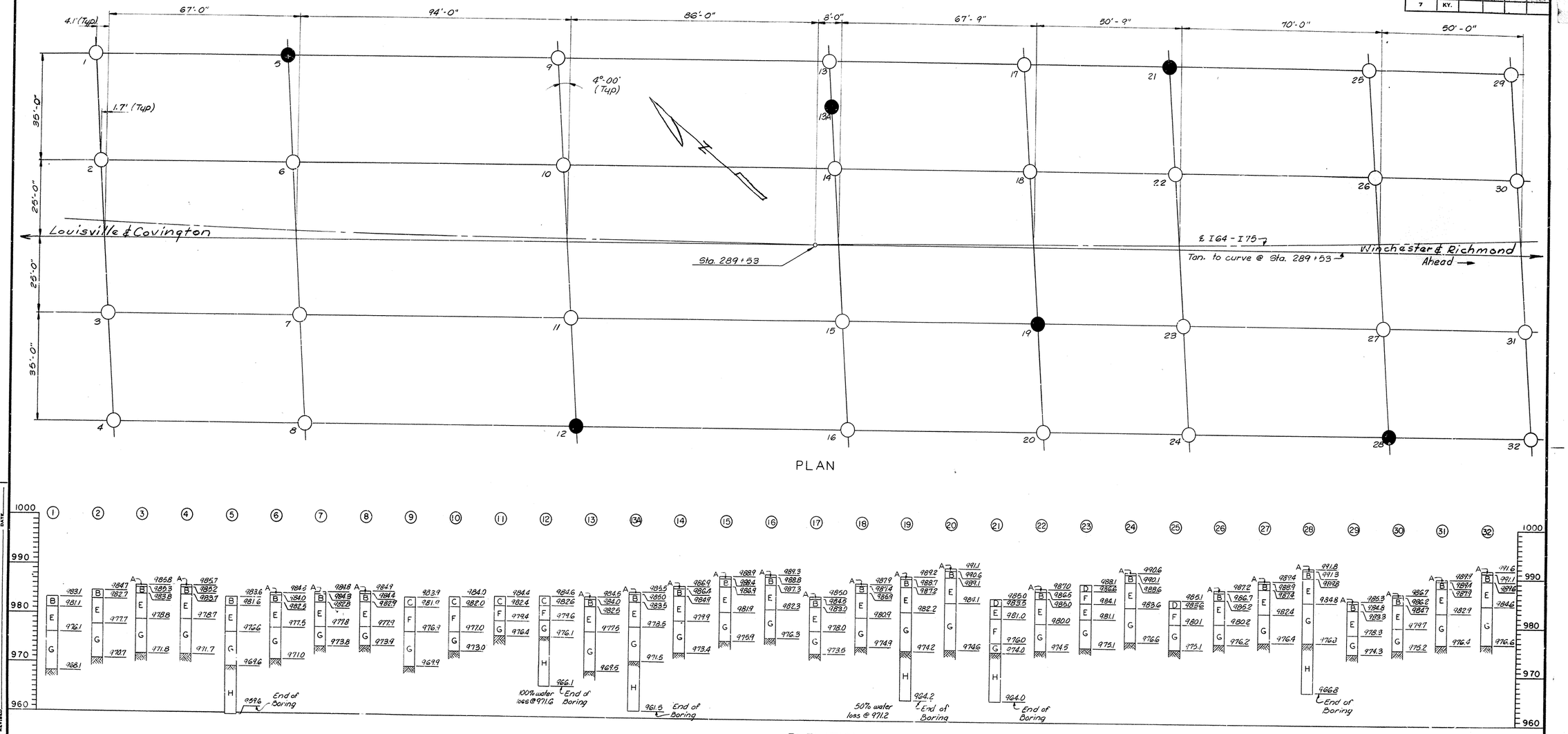
BRIDGE NUMBER	DRAWING NO.	INDEX
	15046	

PLANS PREPARED BY TECON ENGINEERS INC.

DESIGNED BY — CHECKED BY — DATE
DETAILED BY RAD — CHECKED BY — DATE 9-28-61
TRACED BY — CHECKED BY — DATE
REVISED — DATE
REVISED — DATE
REVISED — DATE

BRIDGE

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



LEGEND

A Black root material
B Black brown medium clay
C Edge of road - Clay and gravel
D Black top drive
E Dark brown medium clay
F Dark brown medium clay with gravel
G Brown medium clay
H Gray medium limestone

○ Indicates soundings to solid rock
● Indicates core 10' into solid rock

US 27, L&N RR & LIMESTONE ST. SHEET 3 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

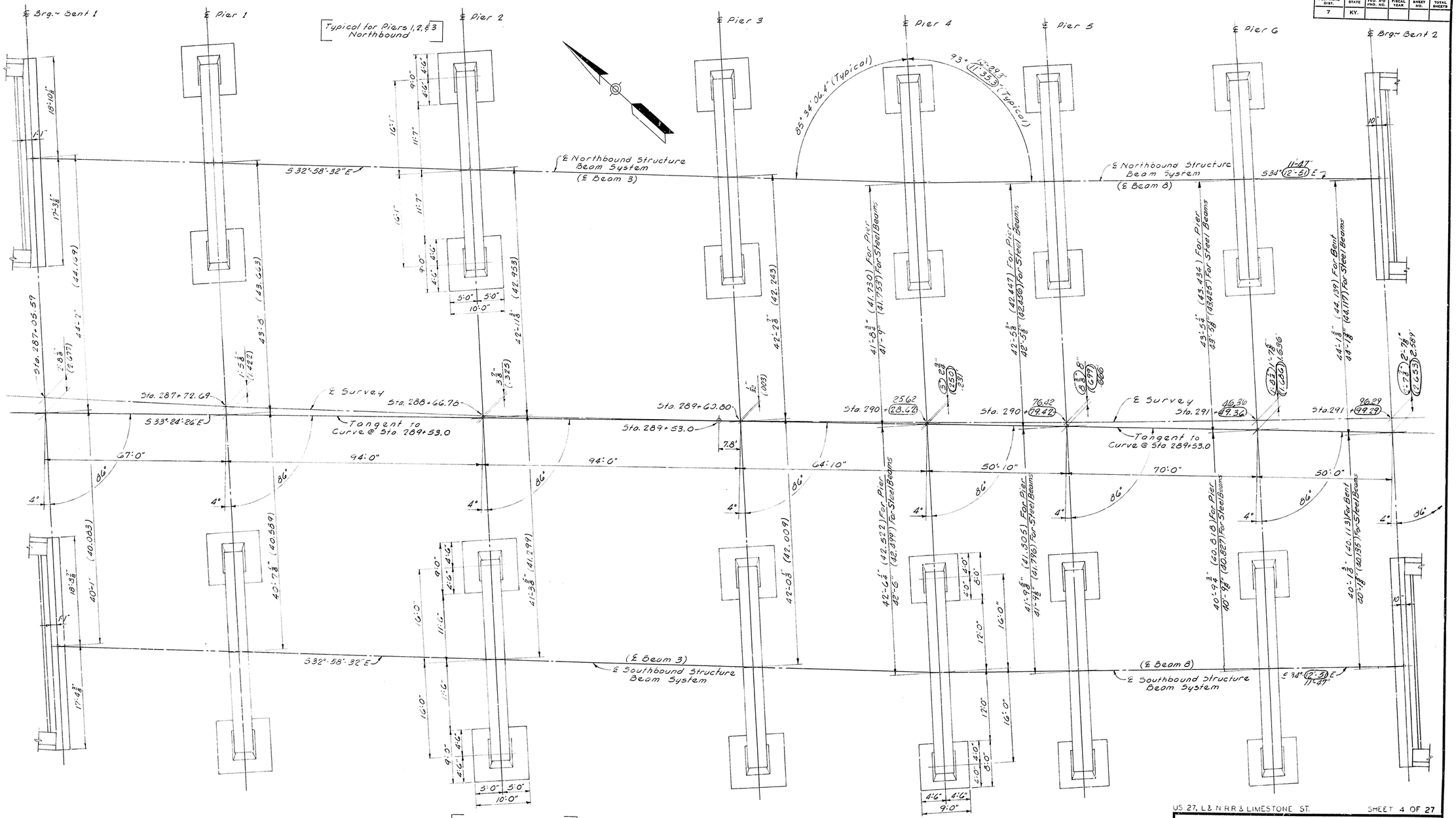
STATION 289 + 53.0 **PROJECT NO.** I64-4(2)71

BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

SOUNDINGS

DESIGNED BY ____ CHECKED BY ____ DATE ____
DETAILED BY PEL CHECKED BY RBD DATE 4-6-61
TRACED BY ____ 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.				



NOTE:
For Pile Layout and Record, see sheet 8.

US 27, L & N RR & LIMESTONE ST.

SHEET 4 OF 27

STAKE OUT PLAN

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

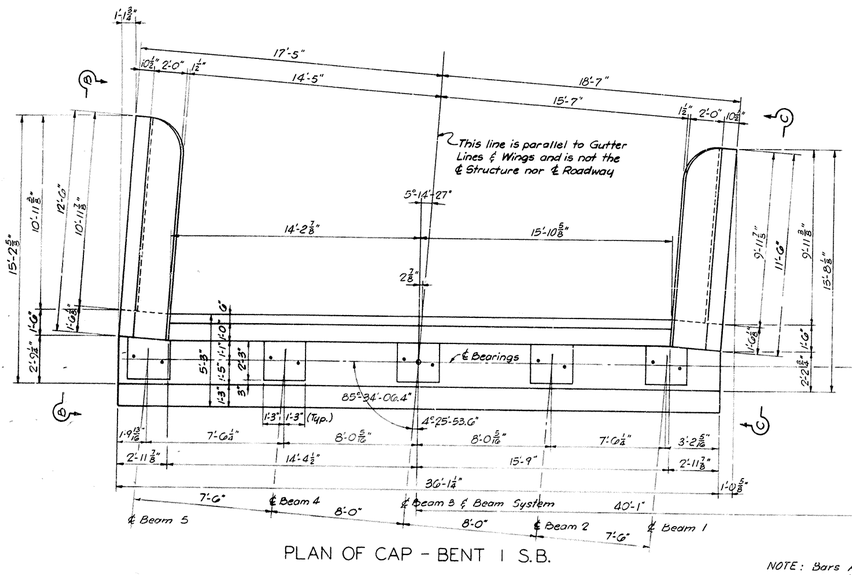
STATION 289 + 53.0 **PROJECT NO.** 164-4(2)71

BRIDGE NUMBER	DRAWING NO.	INDEX
	15046	

REVISED Stations, angles and offsets & MAP DATE 12-20-62
REVISED DATE
REVISED DATE

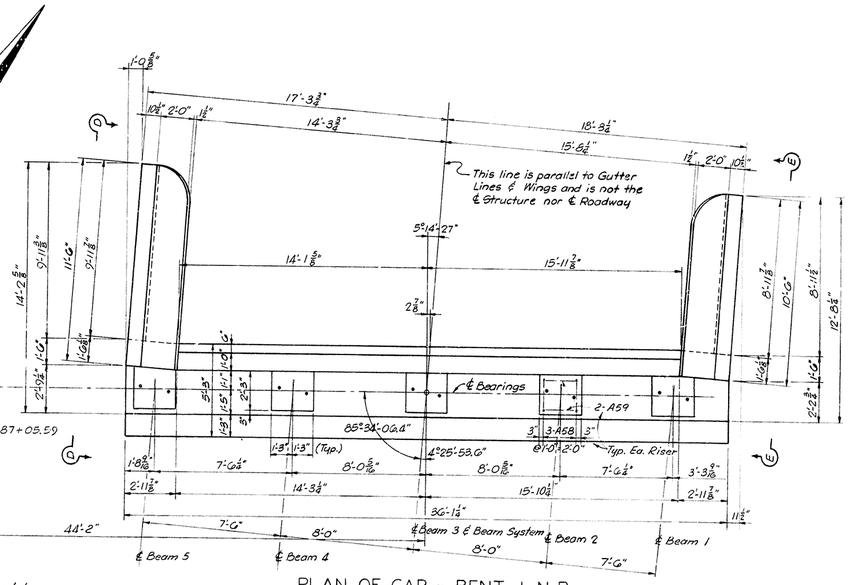
DESIGNED BY RLN CHECKED BY DATE 8-18-61
DETAILED BY RAD CHECKED BY DATE
TRACED BY CHECKED BY DATE

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



PLAN OF CAP - BENT 1 S.B.

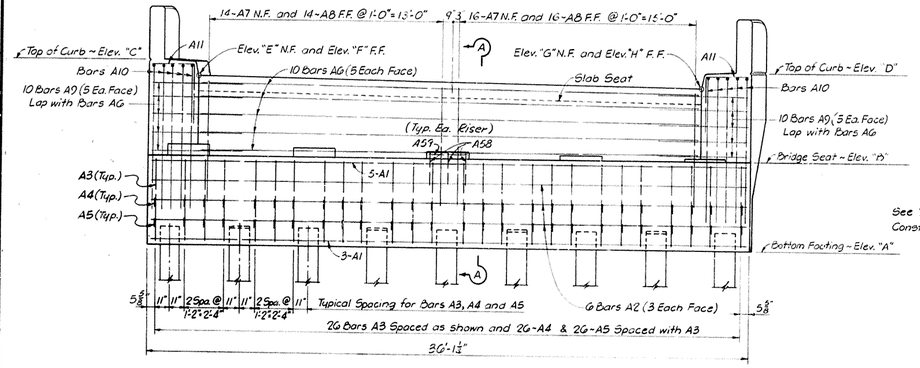
NOTE: Bars A1 & A3 should be accurately placed as shown so as not to interfere with the drilling of anchor bolt holes.



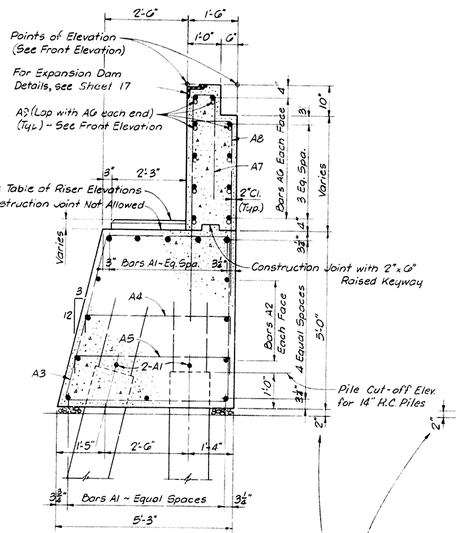
PLAN OF CAP - BENT 1 N.B.

RISER ELEVATIONS		
Beam No.	Bent 1 S.B.	Bent 1 N.B.
1	1012.608	1012.160
2	1012.725	1012.279
3	1012.856	1012.411
4	1012.988	1012.543
5	1013.101	1012.655

BENT ELEVATIONS		
Elev.	Bent 1 S.B.	Bent 1 N.B.
"A"	1007.483	1007.035
"B"	1012.483	1012.035
"C"	1017.862	1017.416
"D"	1017.369	1016.922
"E"	1017.008	1016.562
"F"	1016.994	1016.548
"G"	1016.515	1016.068
"H"	1016.501	1016.054



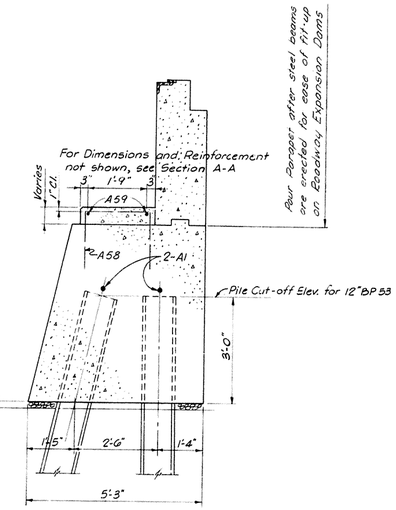
FRONT ELEVATION



SECTION A-A

Showing 14" R.C. Piles

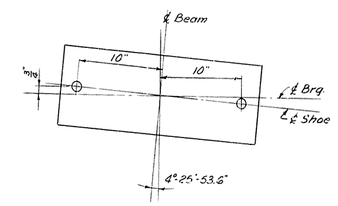
For Notes and Details, see Std. Dwg. P2



ALTERNATE SECTION A-A

Showing 12" BP 53

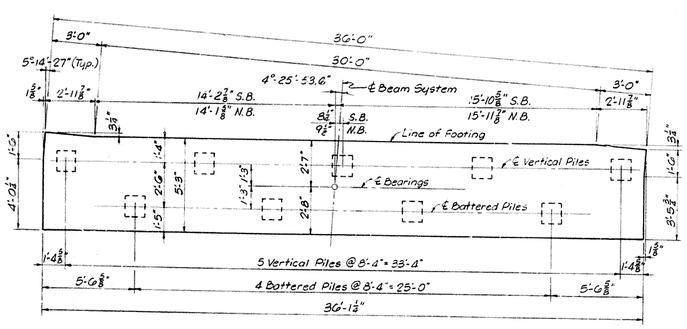
For Notes and Details, see Std. Dwg. P17



ANCHOR BOLT PLAN

(See sheet 9 for Anchor Bolt Note)

NOTE:
For pile layout, cut-off elevations and record, see sheet 8.



FOOTING & PILE SPACING PLAN

Note:
Dress subgrade to 2" below plan elevation for bottom of cap. Add a 2" layer of No. 6 crushed stone or gravel and tamp this layer into the subgrade. Place 1:2 cement mortar up to the bottom of cap elevation. Side forms for cap may be placed as soon as mortar has set a sufficient time to support men and forms without being disturbed. This method is to be used instead of bottom of cap forms, and the cost of this work shall be incidental to and included in the unit price bid for Class "A" Concrete.

BENT 1 DETAILS

US 27, L&N RR AND LIMESTONE ST. SHEET 5 OF 27

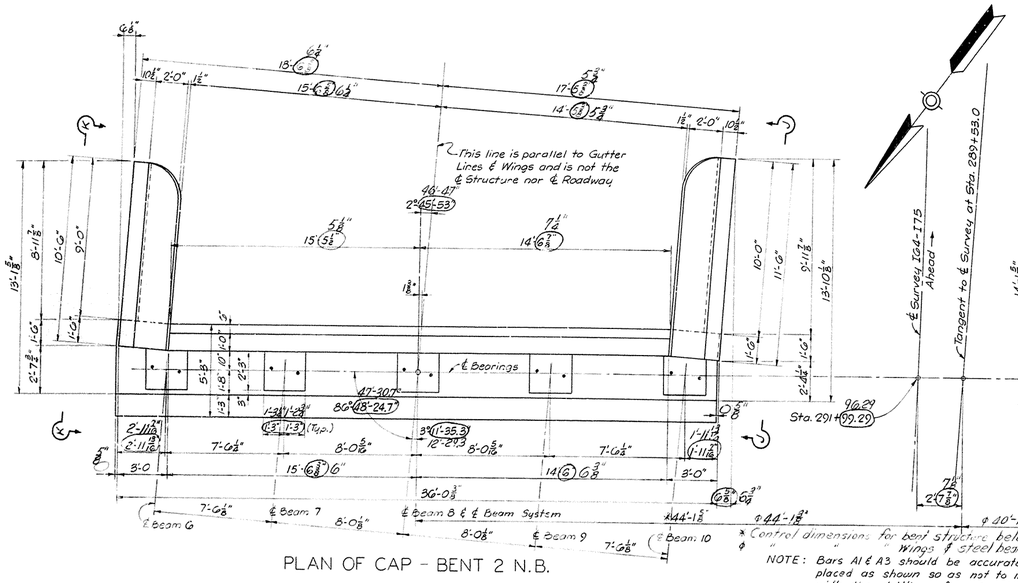
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289 + 53.0 **PROJECT NO.** I64-4(2)71

BRIDGE NUMBER | DRAWING NO 15046 | INDEX

DESIGNED BY J.D.L. DATE 7-61 REVISED DATE
DETAILED BY Joseph Bayles DATE 8-61 REVISED DATE
TRACED BY CHECKED BY RAD DATE
CHECKED BY RAD DATE

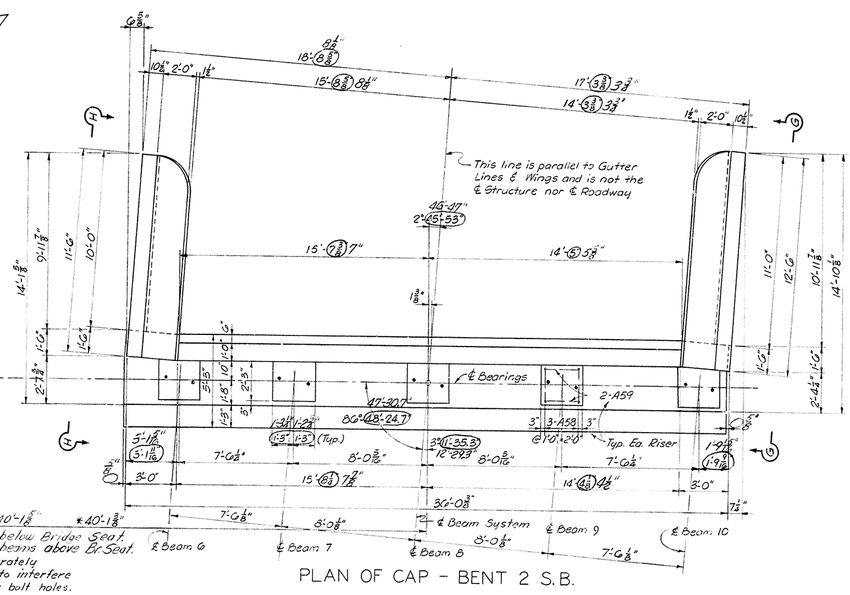
FED ROAD DIST	STATE	FED AID PRO. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



PLAN OF CAP - BENT 2 N.B.

* Control dimensions for bent structure below Bridge Seat. ϕ Wings & steel beams above Br. Seat.

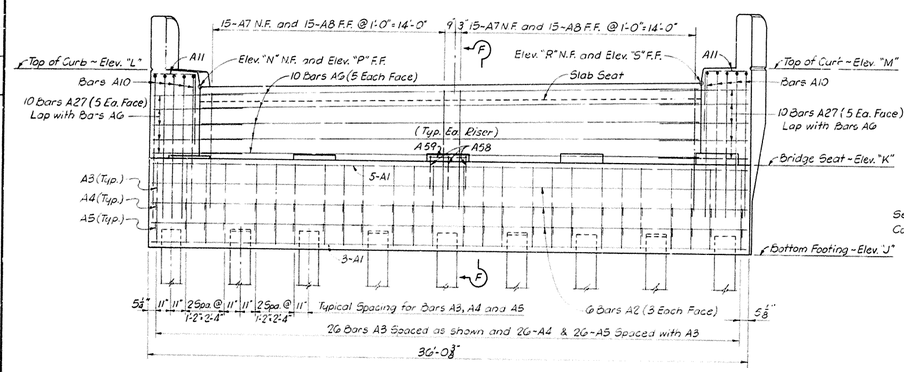
NOTE: Bars A1 & A3 should be accurately placed as shown so as not to interfere with the drilling of anchor bolt holes.



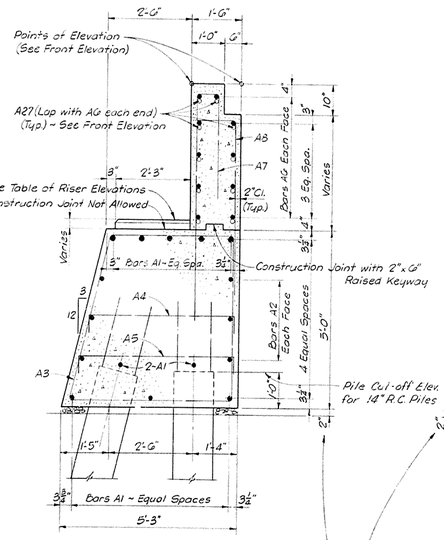
PLAN OF CAP - BENT 2 S.B.

RISER ELEVATIONS		
Beam No.	Bent 2 N.B.	Bent 2 S.B.
6	1014.066	1014.435
7	1014.185	1014.552
8	1014.317	1014.683
9	1014.449	1014.815
10	1014.561	1014.928

BENT ELEVATIONS					
Elev.	Bent 2 N.B.		Bent 2 S.B.		
"J"	1008.941		1009.310		
"K"	1013.941		1014.310		
"L"	1018.869	880	1019.232		237
"M"	1019.331	336	1019.698		703
"N"	1018.011	016	1018.378		383
"P"	1018.009	014	1018.376		381
"R"	1018.477	482	1018.844		849
"S"	1018.475	480	1018.842		847



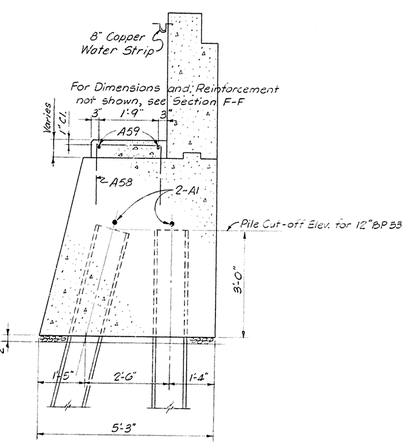
FRONT ELEVATION



SECTION F-F

Showing 14" R.C. Piles

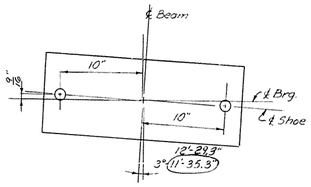
For Notes and Details, see Std. Dwg. P2



ALTERNATE SECTION F-F

Showing 12" BP 53

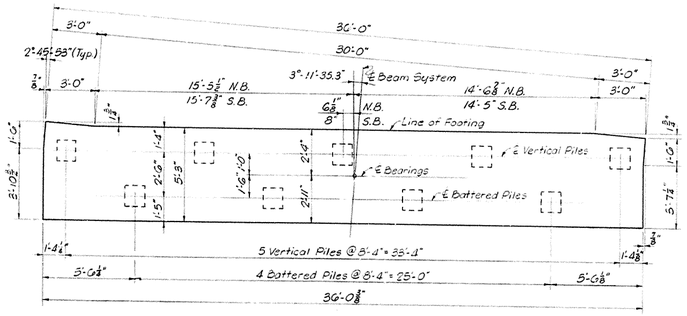
For Notes and Details, see Std. Dwg. P17



ANCHOR BOLT PLAN

(See sheet 9 for Anchor Bolt Note)

NOTE:
For pile layout, cut-off elevations and record, see sheet 8.



FOOTING & PILE SPACING PLAN

Note:
Dress subgrade to 2" below plan elevation for bottom of cap. Add a 2" layer of No. 6 crushed stone or gravel and tamp this layer into the subgrade. Place 1:2 cement mortar up to the bottom of cap elevation. Side forms for cap may be placed as soon as mortar has set a sufficient time to support men and forms without being disturbed. This method is to be used instead of bottom of cap forms, and the cost of this work shall be incidental to and included in the unit price bid for Class "A" Concrete.

BENT 2 DETAILS

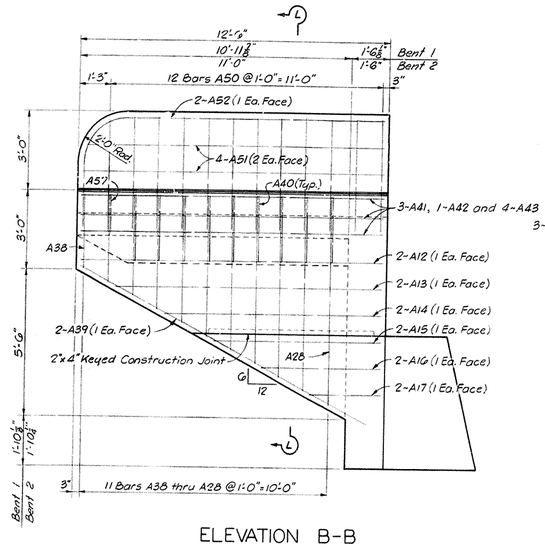
US 27, L&N RR AND LIMESTONE ST. SHEET 6 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

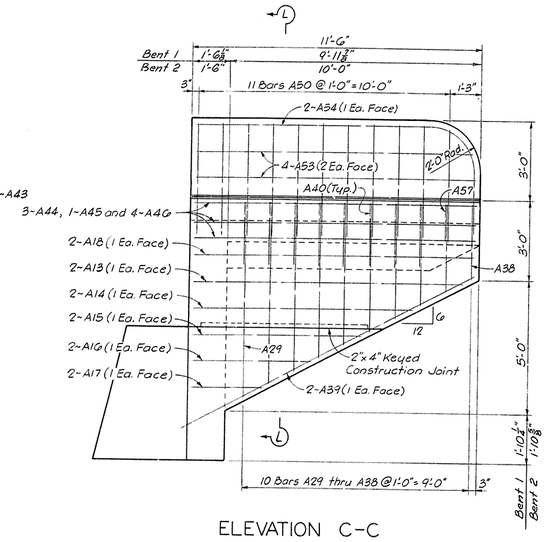
STATION 289 + 53.0 **PROJECT NO.** I64-4(2)71

BRIDGE NUMBER | DRAWING NO 15046 | INDEX

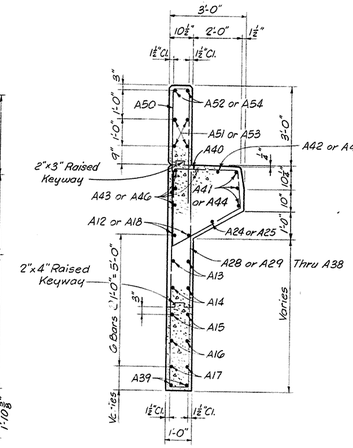
DESIGNED BY JPC	DATE 7-61	REVISED Station, Elev. & Dimensions above Seat	DATE 11-20-70
DETAILED BY	DATE 8-21-61	REVISED	DATE
TRACED BY	DATE	REVISED	DATE
CHECKED BY RAD			
CHECKED BY RAD			
CHECKED BY			



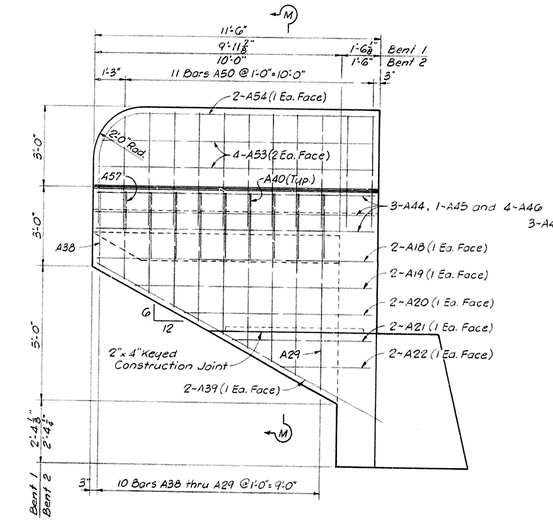
ELEVATION B-B
ELEVATION G-G OPPOSITE HAND



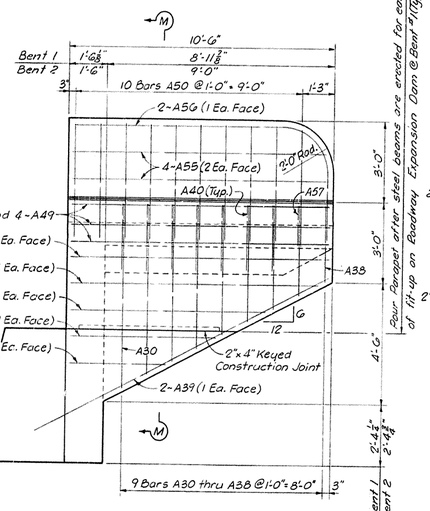
ELEVATION C-C
ELEVATION H-H OPPOSITE HAND



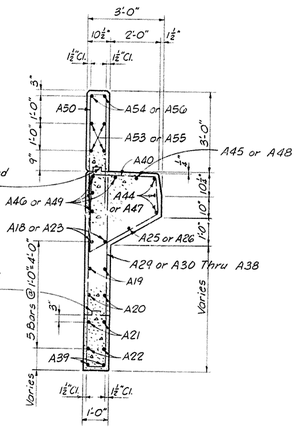
SECTION L-L



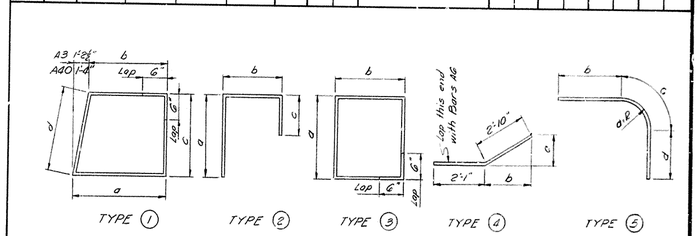
ELEVATION D-D
ELEVATION J-J OPPOSITE HAND



ELEVATION E-E
ELEVATION K-K OPPOSITE HAND



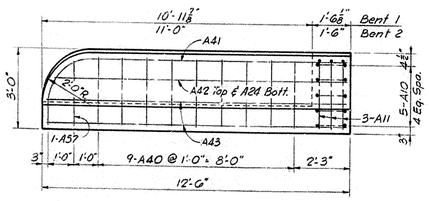
SECTION M-M



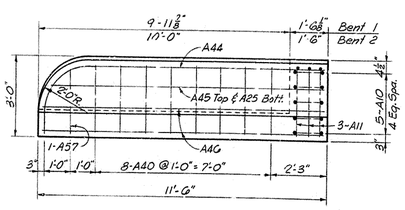
FED. ROAD DIST.	STATE	FED. AID PRO. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

BILL OF REINFORCEMENT

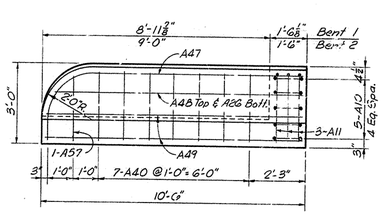
MARK	TYPE	NUMBER OF BARS REQUIRED NO.1 N.B.	NO.1 S.B.	NO.2 N.B.	NO.2 S.B.	BAR SIZE	LENGTH FT.	IN.	LOCATION	a FT.	a IN.	b FT.	b IN.	c FT.	c IN.	d FT.	d IN.
A1	Str.	10	10	10	10	9	35	9	Cap (Top & Bottom)								
A2	"	6	6	6	6	6	35	9	" (Sides)								
A3	(1)	26	26	26	26	5	18	9	" (Stirrups)	4	10 1/8	3	8	4	8	4	10
A4	(2)	26	26	26	26	5	5	1	" (Ties)	0	6	4	3 1/8	0	6		
A5	"	26	26	26	26	5	5	5	" "	0	6	4	7	0	6		
A6	Str.	10	10	10	10	5	30	1	Backwall (Horizontal)								
A7	(2)	30	30	30	30	6	9	5	" (Stirrups)	6	0	0	8	3	0		
A8	"	30	30	30	30	7	6	5	" "	5	5	1	2	0	0		
A9	(4)	20	—	20	—	5	4	11	Backwall into Wings	0	3 1/8	2	9 7/8				
A10	(2)	10	10	10	10	7	15	1	Cap into Wings	7	1	1	2	7	1		
A11	"	6	6	6	6	6	5	7	Curb	3	1	2	7	0	0		
A12	Str.	—	2	—	2	6	12	2	Wings (Horizontal)								
A13	"	—	4	—	4	6	10	9	" "								
A14	"	—	4	—	4	6	8	9	" "								
A15	"	—	4	—	4	6	6	9	" "								
A16	"	—	4	—	4	6	4	9	" "								
A17	"	—	4	—	4	6	2	9	" "								
A18	"	2	2	2	2	6	11	2	" "								
A19	"	4	—	4	—	6	9	9	" "								
A20	"	4	—	4	—	6	7	9	" "								
A21	"	4	—	4	—	6	5	9	" "								
A22	"	4	—	4	—	6	3	9	" "								
A23	"	2	—	2	—	6	10	2	" "								
A24	"	—	1	—	1	6	10	2	Curb (Bottom)								
A25	"	1	1	1	1	6	9	2	" "								
A26	"	1	—	1	—	6	8	2	" "								
A27	(4)	—	20	—	20	5	4	11	Backwall into Wings	0	1 7/8	2	10				
A28	(2)	—	1	—	1	6	16	4	Wings (Vertical)	7	11	0	9	7	11		
A29	"	1	2	1	2	6	15	4	" "	7	5	0	9	7	5		
A30	"	2	2	2	2	6	14	4	" "	6	11	0	9	6	11		
A31	"	2	2	2	2	6	13	4	" "	6	5	0	9	6	5		
A32	"	2	2	2	2	6	12	4	" "	5	11	0	9	5	11		
A33	"	2	2	2	2	6	11	4	" "	5	5	0	9	5	5		
A34	"	2	2	2	2	6	10	4	" "	4	11	0	9	4	11		
A35	"	2	2	2	2	6	9	4	" "	4	5	0	9	4	5		
A36	"	2	2	2	2	6	8	4	" "	3	11	0	9	3	11		
A37	"	2	2	2	2	6	7	4	" "	3	5	0	9	3	5		
A38	"	2	2	2	2	6	6	4	" "	2	11	0	9	2	11		
A39	Str.	4	4	4	4	6	13	0	Wings (Bottom)								
A40	(1)	15	17	15	17	5	10	6	Curb	2	9	1	5	2	7 1/8	2	11 1/8
A41	(5)	—	3	—	3	6	14	0	"	1	10	10	4	2	11	0	9
A42	Str.	—	1	—	1	6	11	11	" (Top)								
A43	"	—	4	—	4	6	12	2	"								
A44	(5)	3	3	3	3	6	13	0	"	1	10	9	4	2	11	0	9
A45	Str.	1	1	1	1	6	10	11	" (Top)								
A46	"	4	4	4	4	6	11	2	"								
A47	(5)	3	—	3	—	6	12	0	"	1	9	8	4	2	11	0	9
A48	Str.	1	—	1	—	6	9	11	" (Top)								
A49	"	4	—	4	—	6	10	2	"								
A50	(2)	21	23	21	23	5	9	5	Endpost	4	6	0	7 1/8	4	6		
A51	Str.	—	4	—	4	5	12	2	"								
A52	(5)	—	2	—	2	5	15	7	"	1	10	10	4	2	11	2	4
A53	Str.	4	4	4	4	5	11	2	"								
A54	(5)	2	2	2	2	5	14	7	"	1	10	9	4	2	11	2	4
A55	Str.	4	—	4	—	5	10	2	"								
A56	(5)	2	—	2	—	5	13	7	"	1	10	8	4	2	11	2	4
A57	(3)	2	2	2	2	5	8	10	"	2	7 1/8	1	5				
A58	(2)	15	15	15	15	5	5	9	"	2	0	1	11	2	0		
A59	Str.	10	10	10	10	5	2	3	"								



CURB PLAN - 12'-6" WINGWALL



CURB PLAN - 11'-6" WINGWALL



CURB PLAN - 10'-6" WINGWALL

ESTIMATE OF QUANTITIES

Bent	1 N.B.	1 S.B.	2 N.B.	2 S.B.
Concrete, Class "A", Cu. Yds.	48.3	49.4	48.3	49.4
Reinforcement, Lbs.	5,480	5,655	5,480	5,655

BENT DETAILS

US 27, L & N RR AND LIMESTONE ST. SHEET 7 OF 27

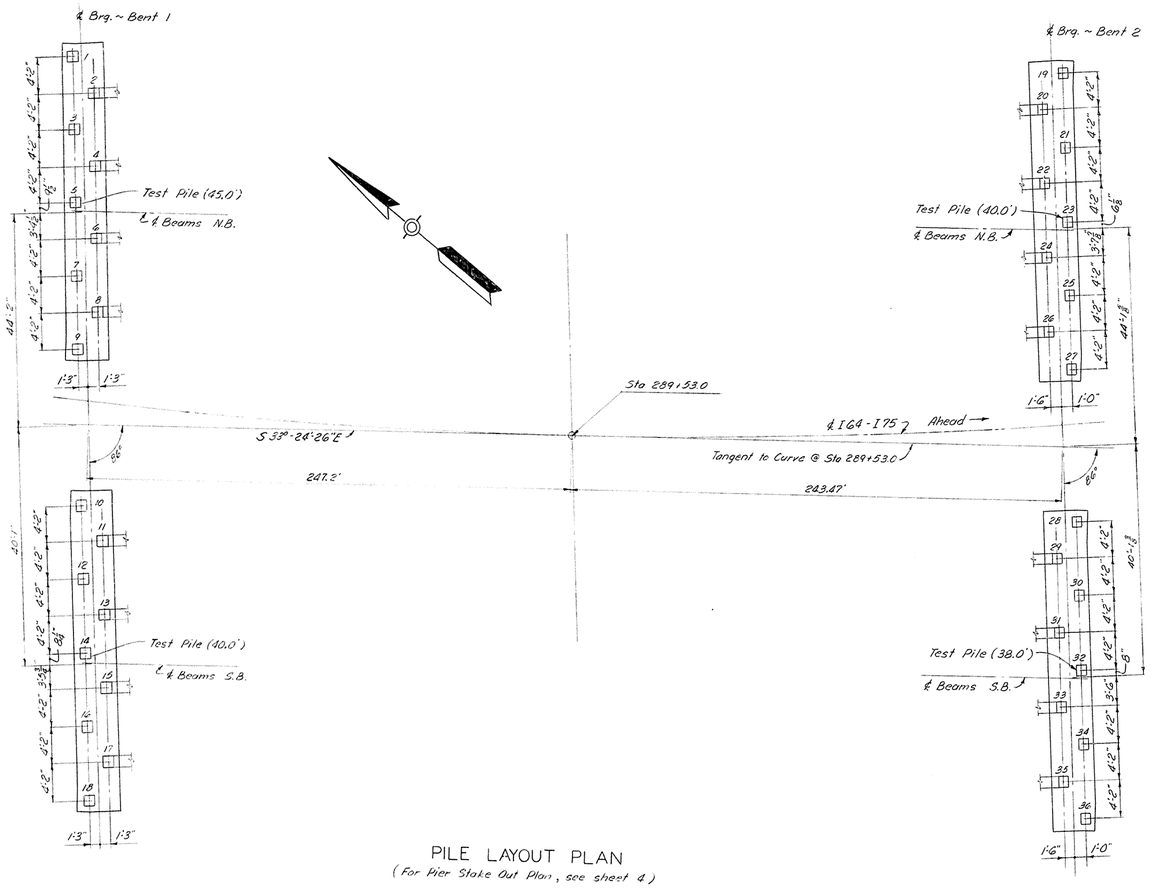
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289 + 53.0 **PROJECT NO.** I 64-4(2)71

BRIDGE NUMBER	DRAWING NO.	INDEX
	15046	

DESIGNED BY JPC	CHECKED BY RAD	DATE 7-61	REVISED
DETAILED BY JPB	CHECKED BY RAD	DATE 8-2-61	REVISED
TRACED BY	CHECKED BY	DATE	REVISED

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



PILE LAYOUT PLAN

(For Pier Stake Out Plan, see sheet 4)

PILE RECORD

Pile Number	Cut-Off Elevations 12 BP53	Cut-Off Elevations 14" Conc. Pile	Tip of Pile Elevation As Driven	Pile Length in Place Lin. Ft.	Calculated Bearing Capacity	Pile Number	Cut-Off Elevations 12 BP53	Cut-Off Elevations 14" Conc. Pile	Tip of Pile Elevation As Driven	Pile Length in Place Lin. Ft.	Calculated Bearing Capacity
1	1010.04	1008.04	969.42	40.62	150 Tons	19	1011.94	1009.94	973.34	36.60	150 Tons
2	"	"	969.57	41.71		20	"	"	974.80	38.28	
3	"	"	968.82	41.22		21	"	"	974.87	37.07	
4	"	"	969.04	41.64		22	"	"	973.00	40.13	
5	"	"	969.30	40.74		23	"	"	973.99	37.95	
6	"	"	969.72	41.56		24	"	"	975.70	37.35	
7	"	"	969.71	40.33		25	"	"	975.58	36.36	
8	"	"	969.84	41.43		26	"	"	975.73	37.32	
9	1010.04	1008.04	970.20	39.84		27	1011.94	1009.94	975.60	36.34	
10	1010.48	1008.48	970.65	39.83		28	1012.31	1010.31	977.26	35.05	
11	"	"	970.98	40.71		29	"	"	977.77	35.60	
12	"	"	970.72	39.76		30	"	"	977.28	35.03	
13	"	"	971.05	40.64		31	"	"	977.96	35.40	
14	"	"	970.95	39.53		32	"	"	977.77	34.54	
15	"	"	971.01	40.68		33	"	"	978.00	35.36	
16	"	"	971.10	39.38		34	"	"	977.96	34.35	
17	"	"	971.06	40.63		35	"	"	978.89	34.44	
18	1010.48	1008.48	971.20	39.28		36	1012.31	1010.31	978.12	34.19	

PILING NOTES

The Contractor shall use one of the following types of piles throughout: Alternate "A" 12 BP53 Steel Piles (see Std. Dwg. P17), or Alternate "B" 14" P.C. Precast Piles (see Std. Dwg. P2).

Piles shall be driven to refusal.

5 Vertical and 4 Battered Piles required each bent (Batter 3:12).

This pile record does not replace other records of piles required to be kept and submitted by the Resident Engineer. After all piles have been driven, the Resident Engineer shall record the tip of pile elevation as driven, the length of pile in place, and the calculated bearing capacity of each pile, and he shall return one blueprint copy of this sheet with this data to the Director of Bridges so that the data may be recorded on the original plans. Lengths of piles in place shown hereon are the actual lengths of piles in the finished structure below cut-off elevation and are not necessarily pay items.

PILE DRIVING RECORD

US 27, L & N RR AND LIMESTONE ST. SHEET 8 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

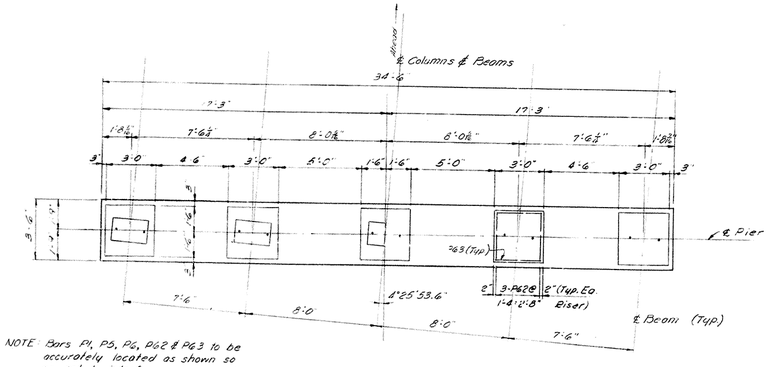
STATION 289+53.0 **PROJECT NO.** 164-4(2)71

BRIDGE NUMBER | DRAWING NO 15046 | INDEX

DESIGNED BY | DATE | CHECKED BY | DATE | REVISED | DATE
DETAILED BY D.R.S. | DATE 8-21-61 | CHECKED BY RAD | DATE | REVISED | DATE
TRACED BY | DATE | CHECKED BY | DATE | REVISED | DATE

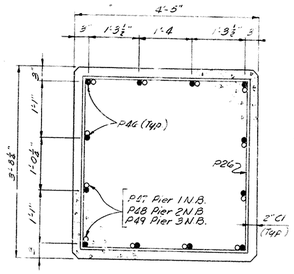
Piling Data Posted J.E.M. DATE 2-11-64

BRIDGE

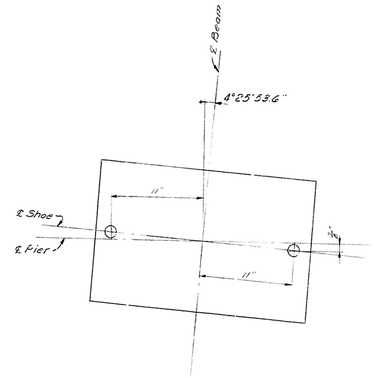


NOTE: Bars P1, P5, P6, P62 & P63 to be accurately located as shown so as not to interfere with the drilling of anchor bolt holes.

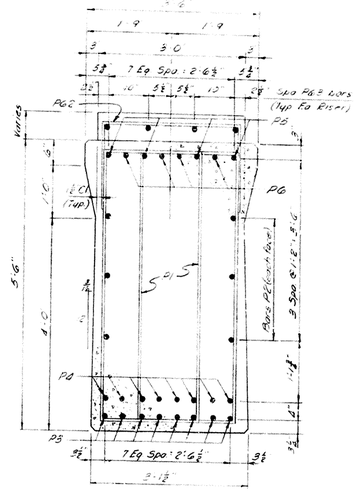
PLAN OF CAP



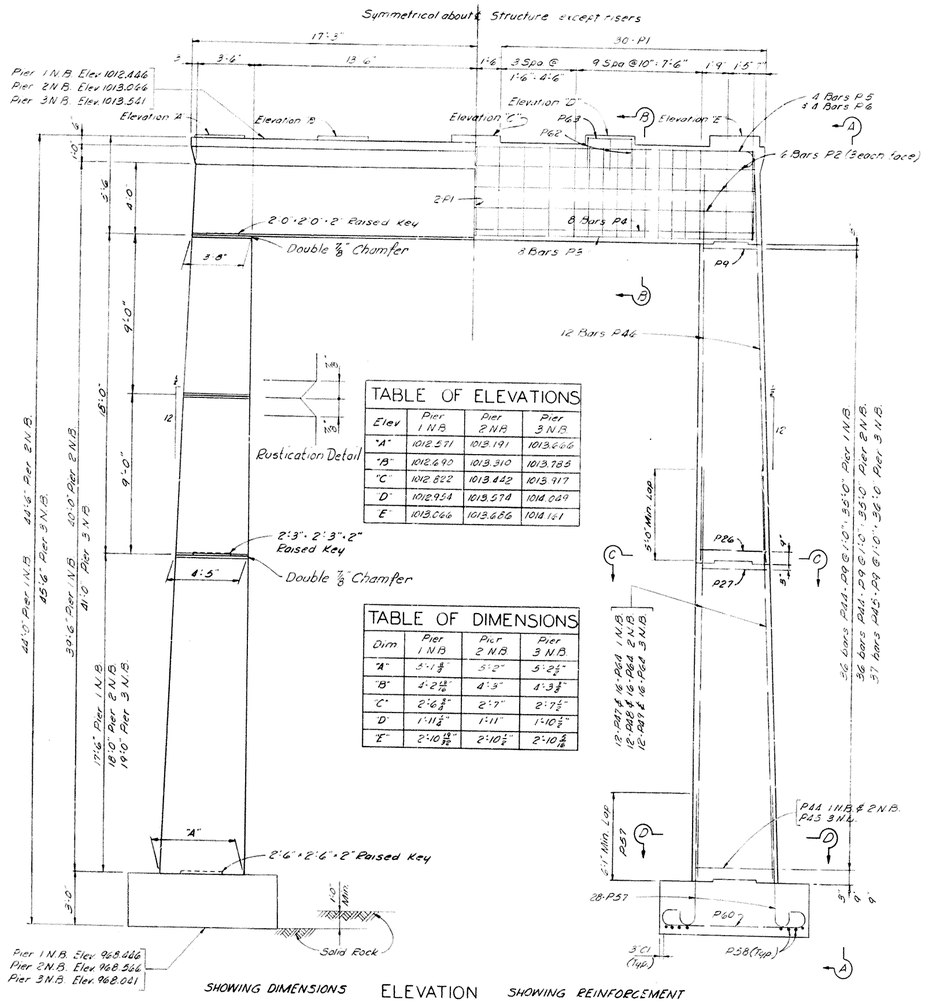
SECTION C-C
(Section taken at Const. Jt)



ANCHOR BOLT LOCATION PLAN



SECTION B-B



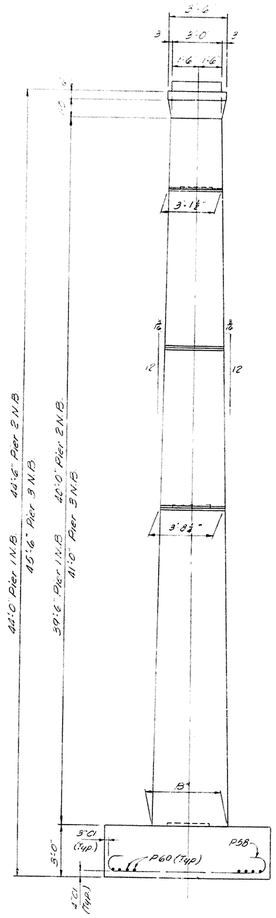
SHOWING DIMENSIONS ELEVATION SHOWING REINFORCEMENT

TABLE OF ELEVATIONS

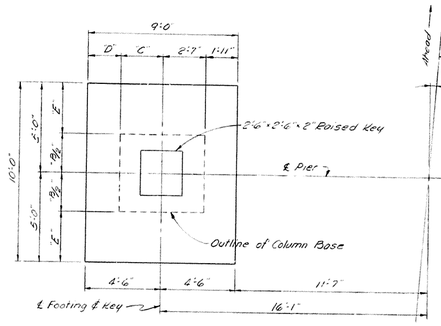
Elev	Pier 1 N.B.	Pier 2 N.B.	Pier 3 N.B.
"A"	1012.571	1013.191	1013.666
"B"	1012.690	1013.310	1013.788
"C"	1012.822	1013.442	1013.917
"D"	1012.954	1013.574	1014.049
"E"	1013.066	1013.686	1014.161

TABLE OF DIMENSIONS

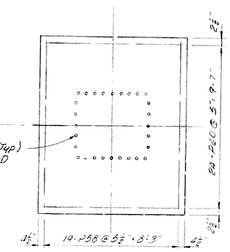
Dim	Pier 1 N.B.	Pier 2 N.B.	Pier 3 N.B.
"A"	5'-1 3/8"	5'-2"	5'-2 5/8"
"B"	4'-2 11/16"	4'-3"	4'-3 3/8"
"C"	2'-6 3/8"	2'-7"	2'-7 5/8"
"D"	1'-11 5/8"	1'-11"	1'-10 3/8"
"E"	2'-10 13/16"	2'-10 3/8"	2'-10 3/16"

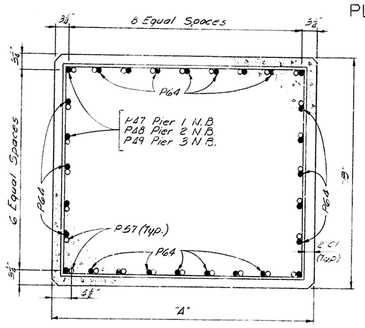


SECTION A-A



PLAN OF FOOTING





SECTION D-D
(Section taken at base of Column)

ESTIMATE OF QUANTITIES

	1 N.B.	2 N.B.	3 N.B.	
Concrete, Class A	83.4	84.2	85.9	C.Y.
Reinforcement	17,260	17,315	17,440	Lbs.
Structure Excavation, Common	160	145	165	C.Y.
" , Solid Rock	20	35	40	C.Y.

US 27, L & N RR & LIMESTONE ST. SHEET 9 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289+530 **PROJECT NO.** I 64-4(2)71

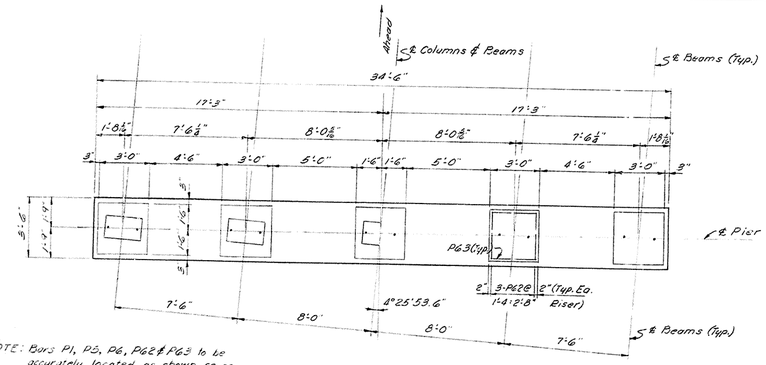
BRIDGE NUMBER — DRAWING NO. 15046 — INDEX

PIERS 1, 2 & 3 N.B.

DESIGNED BY JDC DATE
DETAILED BY D.R.S. DATE
TRACED BY DATE
CHECKED BY RMD DATE 7-61 REVISED
CHECKED BY RMD DATE 8-61 REVISED
CHECKED BY DATE REVISED

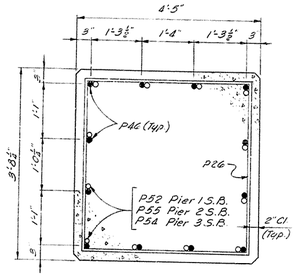
BRIDGE

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

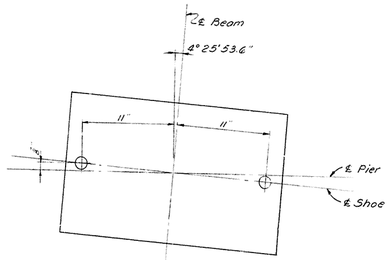


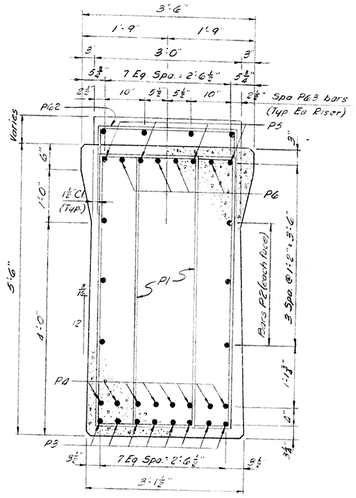
NOTE: Bars P1, P5, P6, P62 & P63 to be accurately located as shown so as not to intertere with the drilling of anchor bolt holes.

PLAN OF CAP



SECTION C-C
(Section taken at Const. Jt.)





SECTION B-B

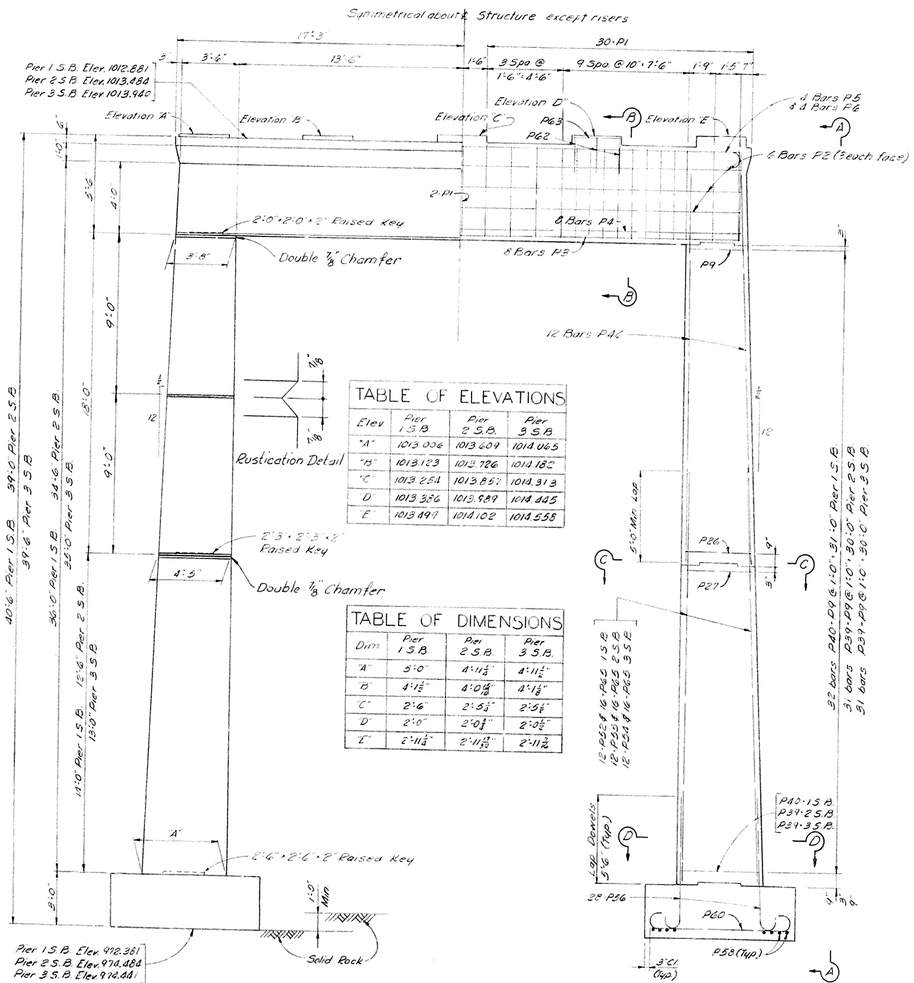
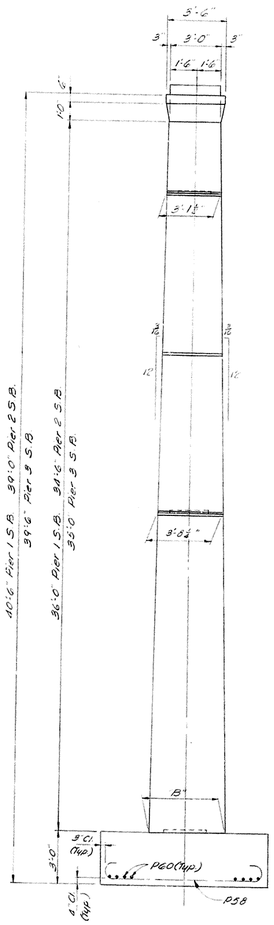


TABLE OF ELEVATIONS			
Elev	Pier 1 S.B.	Pier 2 S.B.	Pier 3 S.B.
"A"	1013.006	1013.609	1014.065
"B"	1013.123	1013.726	1014.182
"C"	1013.254	1013.857	1014.313
"D"	1013.386	1013.989	1014.445
"E"	1013.497	1014.102	1014.558

TABLE OF DIMENSIONS			
Dim	Pier 1 S.B.	Pier 2 S.B.	Pier 3 S.B.
"A"	5'-0"	4'-11 1/4"	4'-11 1/4"
"B"	4'-11 1/4"	4'-0 13/16"	4'-11 1/4"
"C"	2'-6"	2'-5 1/4"	2'-5 1/4"
"D"	2'-0"	2'-0 3/4"	2'-0 3/4"
"E"	2'-11 1/4"	2'-11 13/16"	2'-11 13/16"

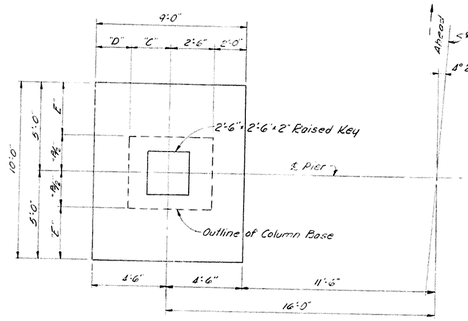
SHOWING DIMENSIONS ELEVATION SHOWING REINFORCEMENT

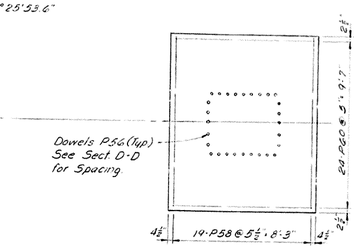


SECTION A-A

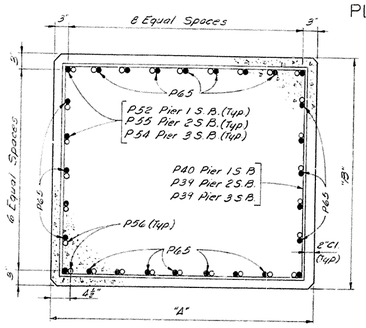
ANCHOR BOLT LOCATION PLAN

Note: Holes of depth and dimensions shown 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.





PLAN OF FOOTING



SECTION D-D
(Section taken at base of Column)

ESTIMATE OF QUANTITIES

	1 S.B.	2 S.B.	3 S.B.	
Concrete, Class A	77.9	75.7	76.4	C.Y.
Reinforcement	15,260	15,135	15,090	Lbs.
Structure Excavation, Common	130	95	150	C.Y.
" , Solid Rock	15	20	20	C.Y.

US 27, L & N R.R. & LIMESTONE ST. SHEET 10 OF 27

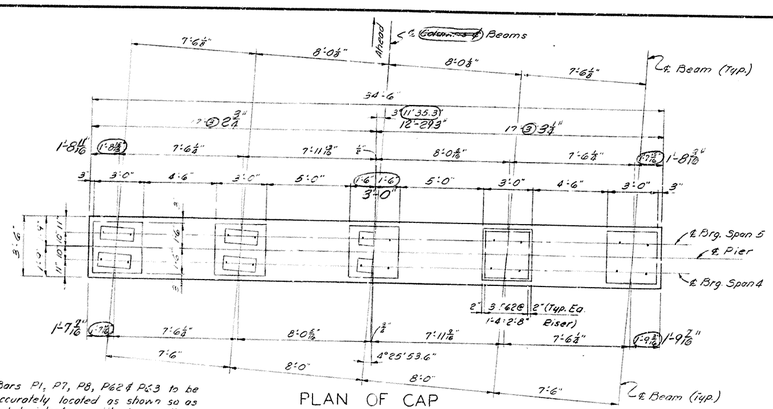
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289+53.0 PROJECT NO. I 64-4(2) 71

BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

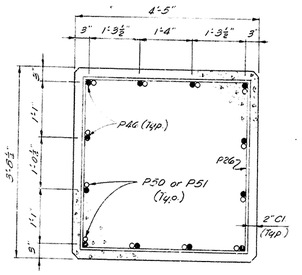
PIERS 1, 2 & 3 S.B.

DESIGNED BY: JDC CHECKED BY: RAD
DETAILED BY: D.R.S. CHECKED BY: RAD
TRACED BY: CHECKED BY:
DATE: REVISED: DATE: REVISED: DATE: REVISED: DATE: REVISED: DATE:

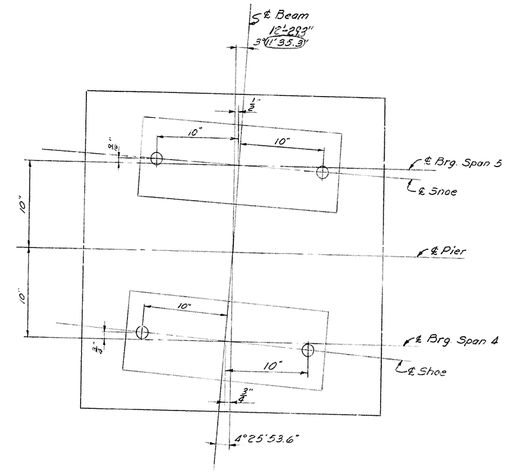


NOTE: Bars P1, P7, P8, P62 & P63 to be accurately located as shown so as not to interfere with the drilling of anchor bolt holes.

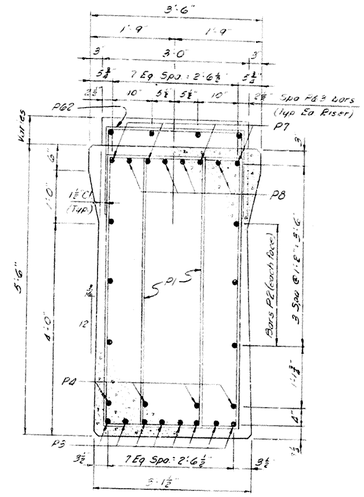
PLAN OF CAP



SECTION C-C
(Section taken at Const. Jt.)



ANCHOR BOLT LOCATION PLAN



SECTION B-B

Note Holes of depth and dimensions shown 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.

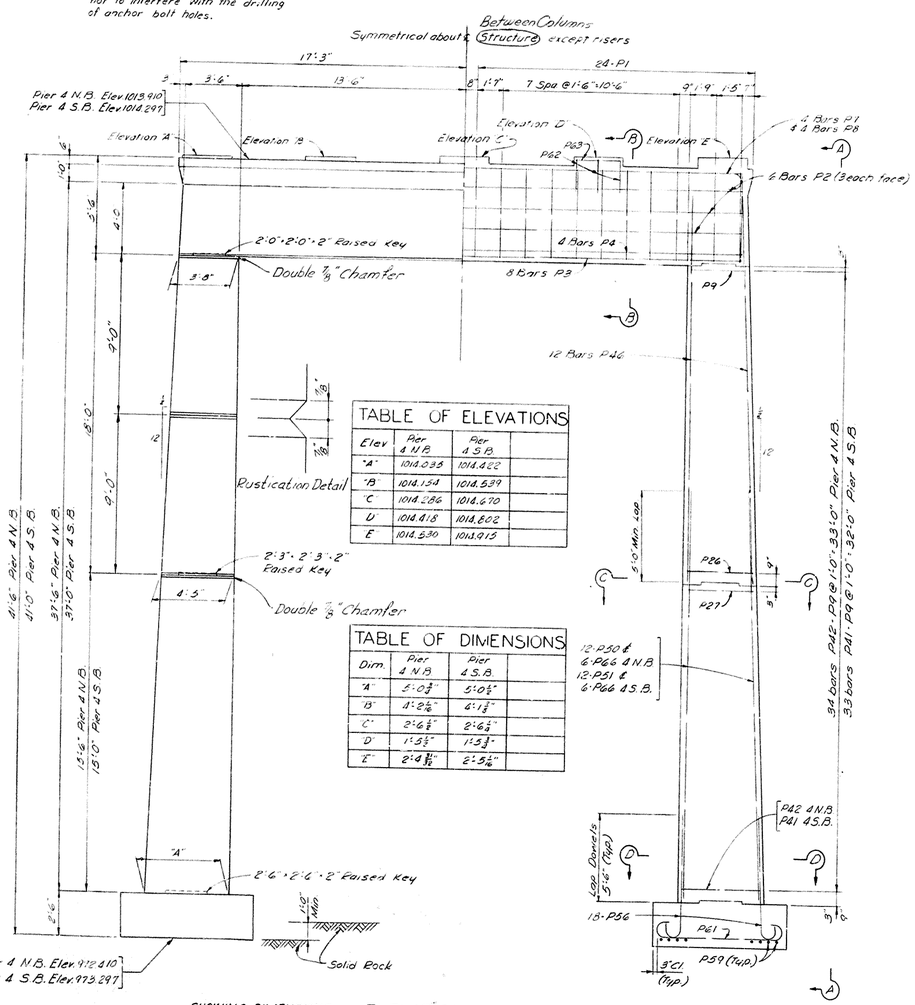


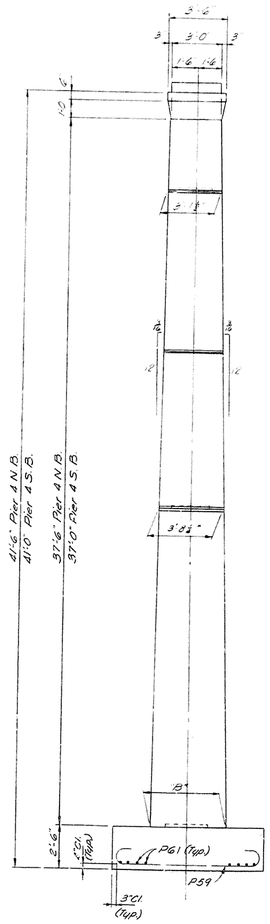
TABLE OF ELEVATIONS

Elev	Pier 4 N.B.	Pier 4 S.B.	
"A"	1014.038	1014.422	
"B"	1014.154	1014.539	
"C"	1014.286	1014.670	
"D"	1014.418	1014.802	
"E"	1014.530	1014.915	

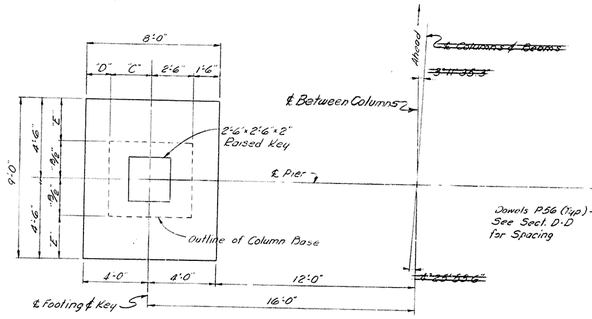
TABLE OF DIMENSIONS

Dim.	Pier 4 N.B.	Pier 4 S.B.	
"A"	5'-0 3/8"	5'-0 5/8"	
"B"	4'-2 1/16"	4'-1 3/8"	
"C"	2'-6 5/8"	2'-6 1/8"	
"D"	1'-5 5/8"	1'-5 3/8"	
"E"	2'-4 11/16"	2'-5 5/16"	

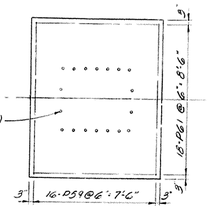
SHOWING DIMENSIONS ELEVATION SHOWING REINFORCEMENT

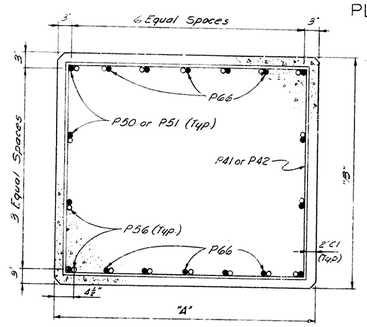


SECTION A-A



PLAN OF FOOTING





SECTION D-D
(Section taken at base of Column)

ESTIMATE OF QUANTITIES

	4 N.B.	4 S.B.	
Concrete, Class "A"	73.6	72.8	C.Y.
Reinforcement	13,010	11,940	Lbs.
Structure Excavation, Common	120	135	C.Y.
" , Solid Rock	20	10	C.Y.

US 27, L&N RR & LIMESTONE ST. SHEET 11 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289+53.0 PROJECT NO. I 64-4(2)71

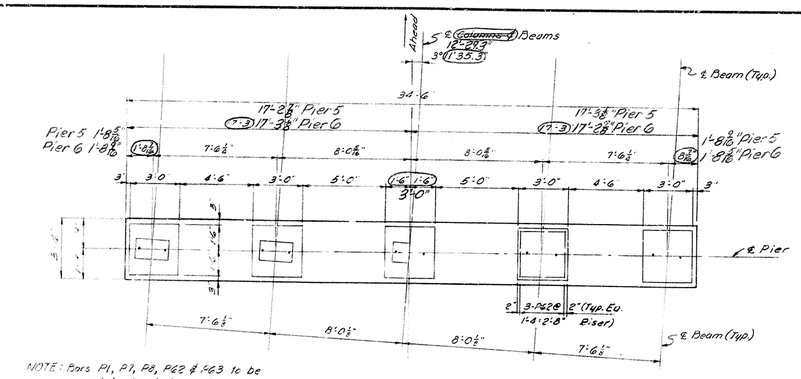
BRIDGE NUMBER DRAWING NO 15046 INDEX

PIERS 4 N.B. & S.B.

DESIGNED BY JDC CHECKED BY RHD DATE 11-3-69
DETAILED BY D.P.S. CHECKED BY DATE
TRACED BY DATE
REVISED Anchor Bolt & Beam Location DATE 11-3-69
REVISED DATE
REVISED DATE

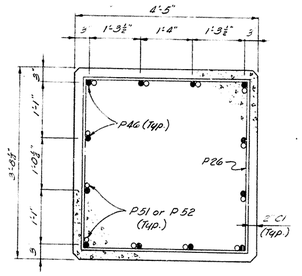
BRIDGE

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

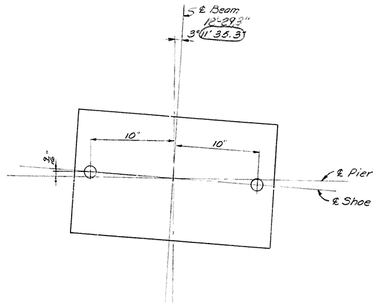


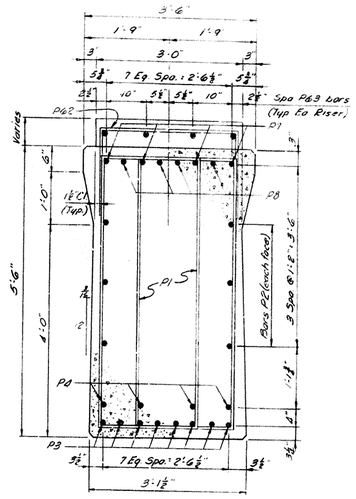
NOTE: Bars P1, P7, P8, P62 & P63 to be accurately located as shown so as not to interfere with the drilling of anchor bolt holes.

PLAN OF CAP



SECTION C-C
(Section taken at Const. Jt.)





SECTION B-B

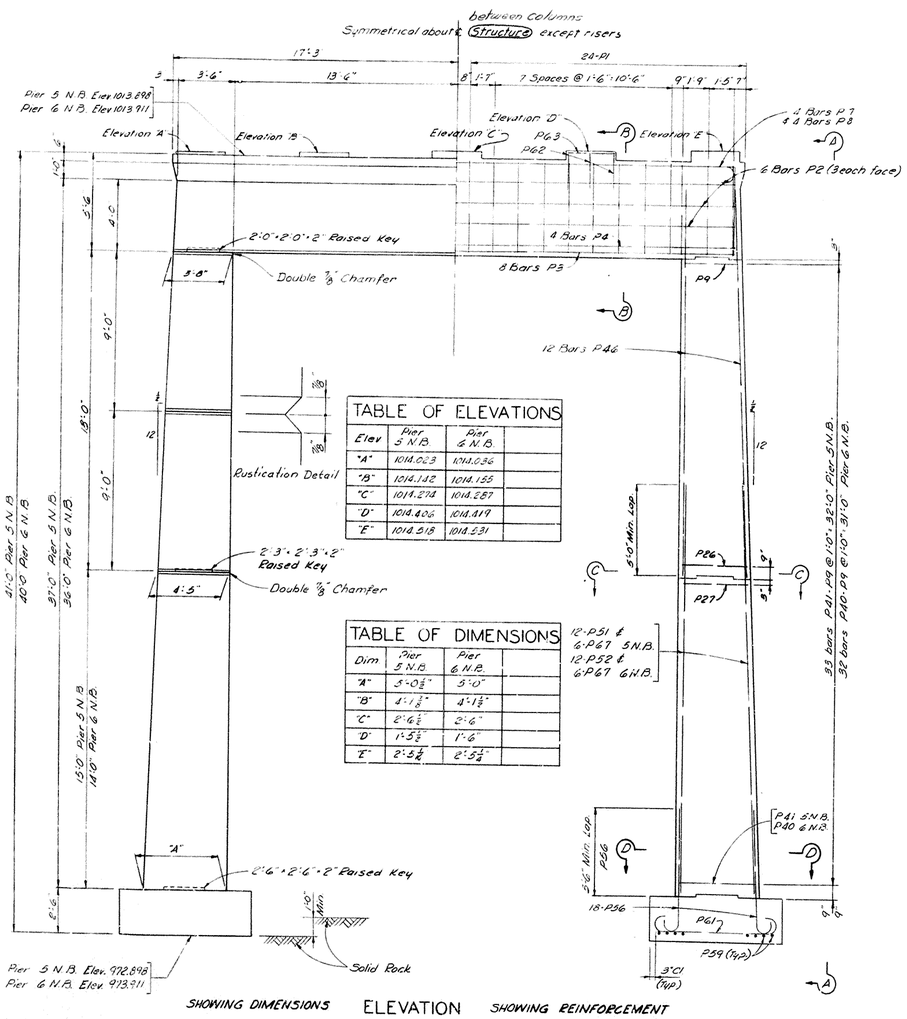


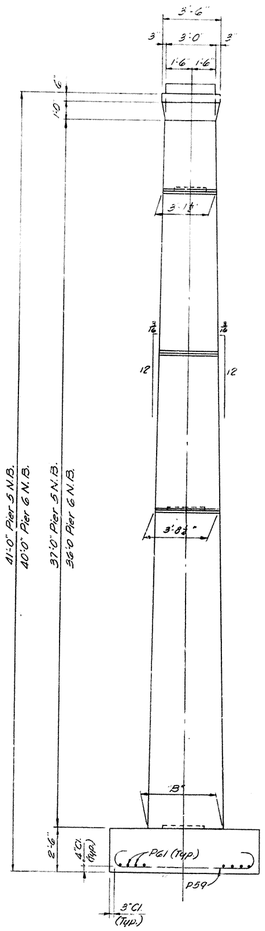
TABLE OF ELEVATIONS

Elev	Pier 5 N.B.	Pier 6 N.B.	
"A"	1014.023	1014.036	
"B"	1014.142	1014.155	
"C"	1014.274	1014.287	
"D"	1014.406	1014.419	
"E"	1014.518	1014.531	

TABLE OF DIMENSIONS

Dim.	Pier 5 N.B.	Pier 6 N.B.	
"A"	5'-0⅝"	5'-0"	
"B"	4'-1⅝"	4'-1½"	
"C"	2'-6⅛"	2'-6"	
"D"	1'-5⅝"	1'-6"	
"E"	2'-5⅝"	2'-5½"	

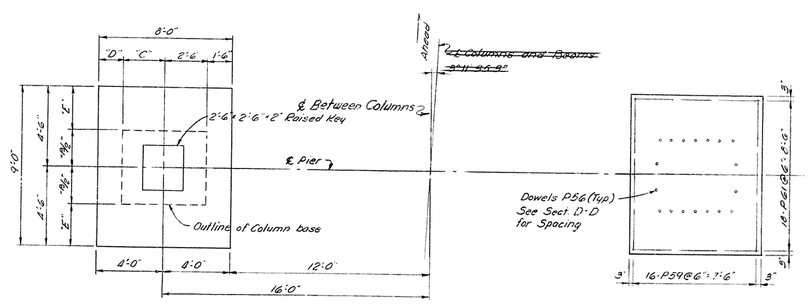
SHOWING DIMENSIONS ELEVATION SHOWING REINFORCEMENT



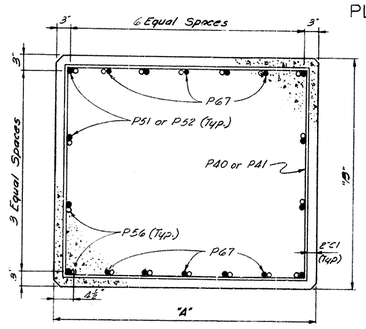
SECTION A-A

ANCHOR BOLT LOCATION PLAN

Note Holes of depth and dimensions shown 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.



PLAN OF FOOTING



SECTION D-D
(Section taken at base of Column)

ESTIMATE OF QUANTITIES

	5 N.B.	6 N.B.	
Concrete, Class "A"	72.8	71.3	C.Y.
Reinforcement	11,885	11,725	Lbs.
Structure Excavation, Common	115	105	C.Y.
" , Solid Rock	15	15	C.Y.

US 27, L & N RR & LIMESTONE ST. SHEET 12 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289+53.0 **PROJECT NO.** I 64-4(2) 71

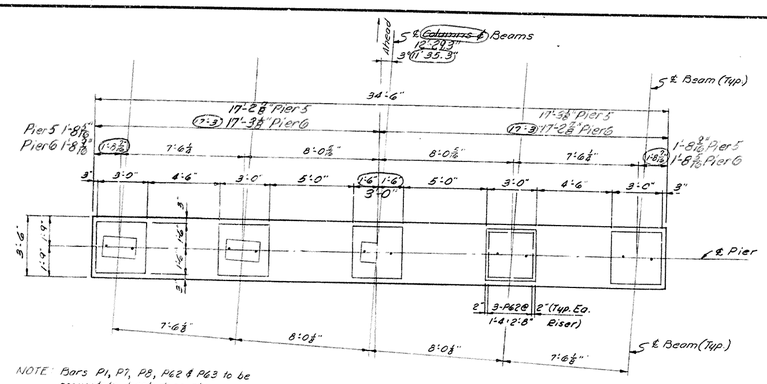
BRIDGE NUMBER | DRAWING NO. 150046 | INDEX

PIERS 5 & 6 N.B.

DESIGNED BY J.D.C.	CHECKED BY RAD	DATE 7-61	REVISED DATE
DETAILED BY D.R.S.	CHECKED BY RAD	DATE 8-61	REVISED DATE
TRACED BY V.J.D.C.	CHECKED BY	DATE 1-62	REVISED DATE

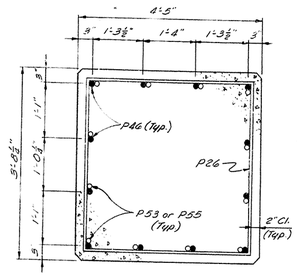
Rebar Bolt & Beam Location

BRIDGE

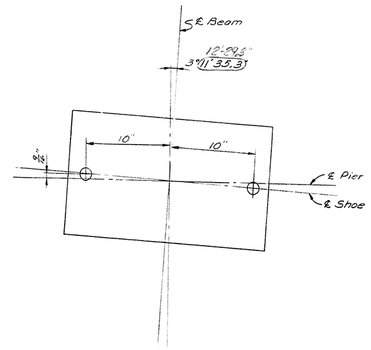


NOTE: Bars P1, P7, P8, P62 & P63 to be accurately located as shown so as not to interfere with the drilling of anchor bolt holes.

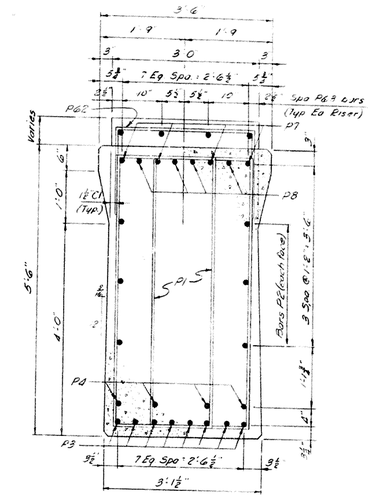
PLAN OF CAP



SECTION C-C
(Section taken at top Const. Jt.)



ANCHOR BOLT LOCATION PLAN



SECTION B-B

Note Holes of depth and dimensions shown 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.

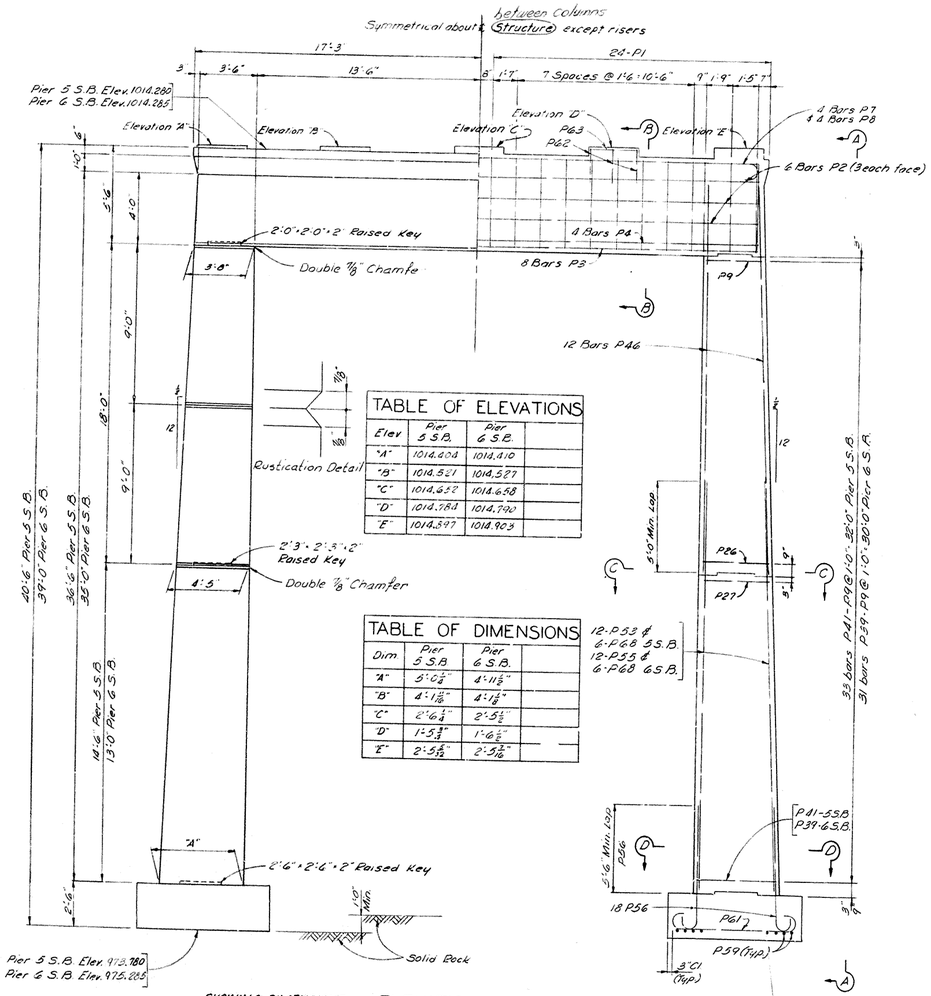


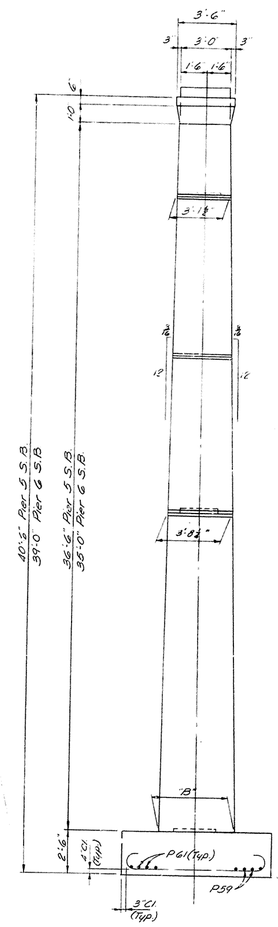
TABLE OF ELEVATIONS		
Elev	Pier 5 S.B.	Pier 6 S.B.
"A"	1014.408	1014.410
"B"	1014.521	1014.527
"C"	1014.652	1014.658
"D"	1014.784	1014.790
"E"	1014.897	1014.903

TABLE OF DIMENSIONS		
Dim	Pier 5 S.B.	Pier 6 S.B.
"A"	5'-0 5/8"	4'-11 5/8"
"B"	4'-1 11/16"	4'-1 1/16"
"C"	2'-6 1/4"	2'-5 3/4"
"D"	1'-5 3/8"	1'-6 5/8"
"E"	2'-5 5/16"	2'-5 11/16"

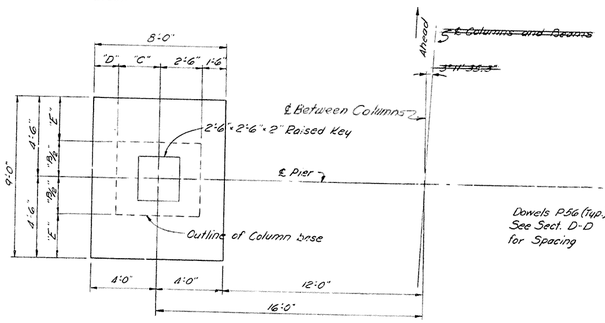
12-P53 & 6-P68 5 S.B.
12-P55 & 6-P68 6 S.B.

33 bars P41-P39 @ 1'-0", 32'-0" Pier 5 S.B.
31 bars P39-P9 @ 1'-0", 30'-0" Pier 6 S.B.

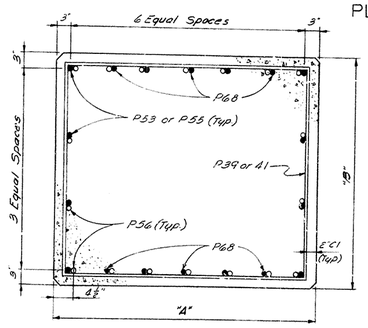
SHOWING DIMENSIONS ELEVATION SHOWING REINFORCEMENT



SECTION A-A



PLAN OF FOOTING



SECTION D-D
(Section taken at base of Column)

ESTIMATE OF QUANTITIES

	5 S.B.	6 S.B.	
Concrete, Class "A"	72.0	69.7	C.Y.
Reinforcement	11,780	11,580	Lbs.
Structure Excavation, Common	130	135	C.Y.
" , Solid Rock	20	15	C.Y.

US 27, L & N R.R. & LIMESTONE ST. SHEET 13 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289+53.0 PROJECT NO. I 64-4(2)71

BRIDGE NUMBER

DRAWING NO. 15046

INDEX

PIERS 5 & 6 S.B.

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

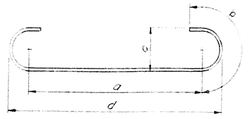
DESIGNED BY J.D.L. CHECKED BY RBD DATE 9-61
DETAILED BY D.R.S. CHECKED BY RBD DATE 8-1961
TRACED BY CHECKED BY DATE
REVISED Anchor Bolt & Beam Location DATE 1-22-63
REVISED DATE
REVISED DATE

BRIDGE

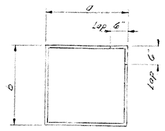
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY				

BILL OF REINFORCEMENT

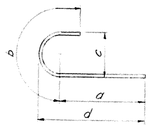
MARK	TYPE	NO. REQUIRED - NORTHBOUND PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	NO. REQUIRED - SOUTHBOUND PIER 1	PIER 2	PIER 3	PIER 4	PIER 5	PIER 6	TOTAL	SIZE	LENGTH FT.	LENGTH IN.	LOCATION	a FT.	a IN.	b FT.	b IN.	c FT.	c IN.	d FT.	d IN.
P1	2	22	22	22	22	22	22	22	22	22	22	22	22	440	4	13	2	Cap Stirrups	2	0½	5	2				
P2	Str	6	6	6	6	6	6	6	6	6	6	6	6	72	5	33	8	Sides of Cap								
P3	"	8	8	8	8	8	8	8	8	8	8	8	8	96	11	34	0	Bottom of Cap								
P4	"	8	8	8	8	8	8	8	8	8	8	8	8	96	10	34	0	" "								
P5	4	4	4	4	-	-	-	4	4	4	-	-	-	24	9	43	10	Top of Cap	33	8	5	3				
P6	1	4	4	4	-	-	-	4	4	4	-	-	-	24	"	36	1	" " "	32	9	1	8	0	11⅞	33	6½
P7	4	-	-	-	4	4	4	-	-	-	4	4	4	24	7	43	10	" " "	33	8	5	3				
P8	1	-	-	-	4	4	4	-	-	-	4	4	4	24	"	36	5	" " "	33	1	1	2	0	7	33	8
P9	2	2	2	2	2	2	2	2	2	2	2	2	2	24	4	13	0	Column Hoop	3	4	2	9½				
P10	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	13	2	" "	3	4½	2	10				
P11	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	13	3	" "	3	5	2	10½				
P12	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	13	5	" "	3	5½	2	10¾				
P13	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	13	7	" "	3	6	2	11				
P14	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	13	9	" "	3	6½	2	11¼				
P15	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	13	10	" "	3	7	2	11½				
P16	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	14	0	" "	3	7½	3	0¼				
P17	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	14	2	" "	3	8	3	0¾				
P18	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	14	4	" "	3	8½	3	1				
P19	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	14	5	" "	3	9	3	1¼				
P20	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	14	7	" "	3	9½	3	1½				
P21	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	14	9	" "	3	10	3	2				
P22	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	14	11	" "	3	10½	3	2½				
P23	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	15	0	" "	3	11	3	2¾				
P24	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	15	2	" "	3	11½	3	3¼				
P25	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	15	4	" "	4	0	3	3½				
P26	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	15	5	" "	4	0½	3	4				
P27	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	15	7	" "	4	1	3	4¼				
P28	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	15	9	" "	4	1½	3	4¾				
P29	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	15	11	" "	4	2	3	5				
P30	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	16	1	" "	4	2½	3	5½				
P31	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	16	2	" "	4	3	3	5¾				
P32	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	16	4	" "	4	3½	3	6¼				
P33	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	16	6	" "	4	4	3	6½				
P34	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	16	8	" "	4	4½	3	7				
P35	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	16	9	" "	4	5	3	7¼				
P36	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	16	11	" "	4	5½	3	7¾				
P37	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	17	1	" "	4	6	3	8				
P38	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	17	3	" "	4	6½	3	8½				
P39	"	2	2	2	2	2	2	2	2	2	2	2	2	24	"	17	4	" "	4	7	3	8¾				
P40	"	2	2	2	2	2	2	2	-	-	2	2	-	18	"	17	6	" "	4	7½	3	9¼				
P41	"	2	2	2	2	2	-	-	-	-	2	2	-	14	"	17	8	" "	4	8	3	9½				
P42	"	2	2	2	2	-	-	-	-	-	-	-	-	8	"	17	10	" "	4	8¾	3	10				
P43	"	2	2	2	-	-	-	-	-	-	-	-	-	6	"	17	11	" "	4	9	3	10¼				
P44	"	2	2	2	-	-	-	-	-	-	-	-	-	6	"	18	1	" "	4	9½	3	10¾				
P45	2	-	-	2	-	-	-	-	-	-	-	-	-	2	4	18	3	" "	4	10	3	11				
P46	Str.	24	24	24	24	24	24	24	24	24	24	24	24	288	9	22	6	Columns								
P47	"	24												24	10	22	6	"								
P48	"		24											24	"	23	0	"								
P49	"			24										24	"	24	0	"								
P50	"				24									24	"	20	6	"								
P51	"					24					24			48	"	20	0	"								
P52	"						24	24						48	"	19	0	"								
P53	"											24		24	"	19	6	"								
P54	"									24				24	"	17	6	"								
P55									24				24	48	"	18	0	"								
P56	3	-			-	36	36	36	36	36	36	36	36	384	10	9	0	Dowels	7	2	1	10	1	0½	7	8¾
P57	"	36	36	36	-	-	-	-	-	-	-	-	-	168	11	10	2	"	8	2	2	0	1	2	8	9
P58	1	38	38	38	-	-	-	38	38	38	-	-	-	228	9	11	11	Bottom of Footing	8	7	1	8	0	11½	9	6½
P59	"	-	-	-	32	32	32	-	-	-	32	32	32	192	"	10	11	" " "	7	7	1	8	0	11½	8	4½
P60	"	48	48	48	-	-	-	48	48	48	-	-	-	288	6	10	0	" " "	8	0	1	0	0	6	8	6
P61	"	-	-	-	36	36	36	-	-	-	36	36	36	216	"	9	0	" " "	7	0	1	0	0	6	7	6
P62	4	15	15	15	15	15	15	15	15	15	15	15	15	180	5	6	2	Risers	2	8	1	10				
P63	Str	20	20	20	20	20	20	20	20	20	20	20	20	240	"	2	8	"								
P64	"	32	32	32										96	10	17	3	Columns								
P65	"							32	32	32				96	"	12	3	"								
P66					12						12			24	"	14	9	"								
P67	"					12	12							24	"	15	9	"								
P68	"											12	12	24	"	12	9	"								



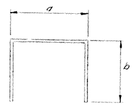
TYPE 1



TYPE 2



TYPE 3



TYPE 4

DESIGNED BY JDC CHECKED BY RAD DATE 7-61 REVISED DATE
DETAILED BY DRS CHECKED BY RAD DATE 7-5-61 REVISED DATE
TRACED BY CHECKED BY DATE REVISED DATE

PIER REINFORCEMENT

US 27, L & N RR & LIMESTONE ST — SHEET 14 OF 27

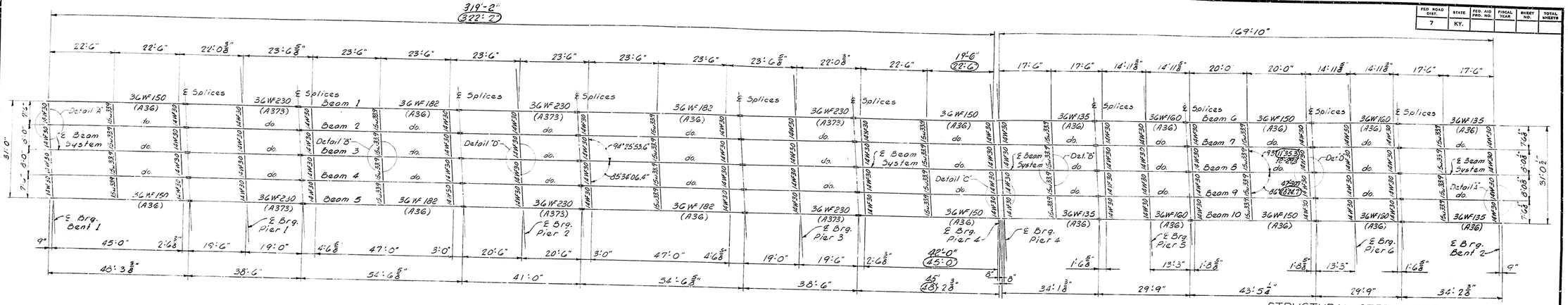
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289+53.0 **PROJECT NO.** I 64-4(2)71

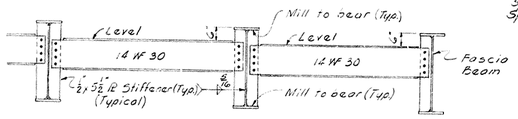
BRIDGE NUMBER — DRAWING NO 15046 — INDEX

BRIDGE

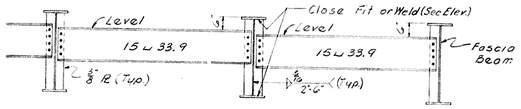
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



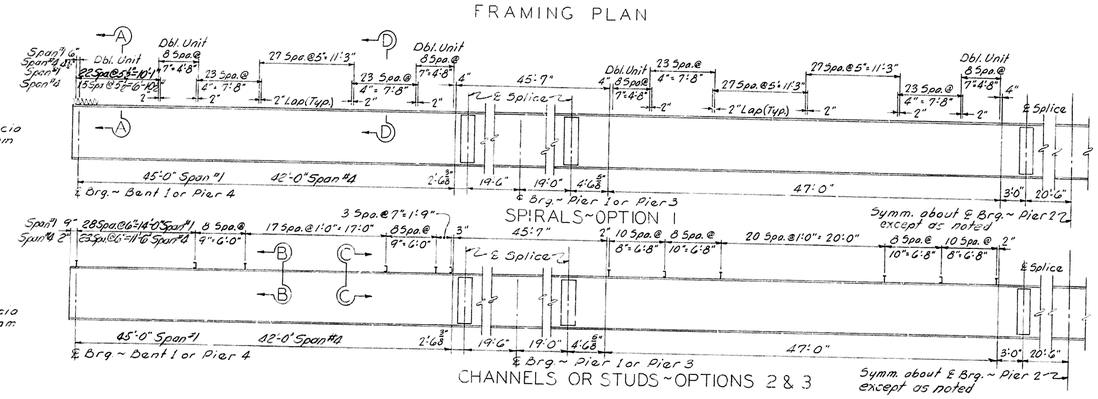
FRAMING PLAN



DIAPHRAGMS AT BENTS 1 & 2 AND AT PIER 4

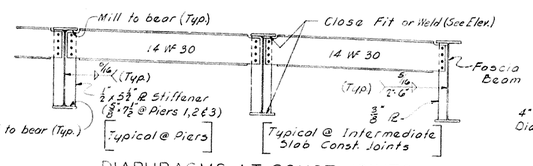


INTERMEDIATE DIAPHRAGMS



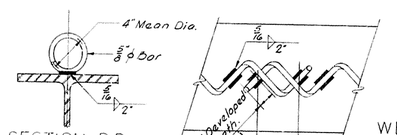
SPIRALS ~ OPTION 1

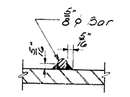
CHANNELS OR STUDS ~ OPTIONS 2 & 3

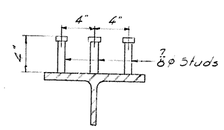


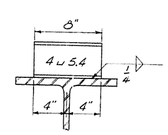
DIAPHRAGMS AT CONST. JOINTS

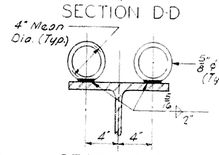
Note: All bolts for diaphragm erection to be ¾" ϕ.



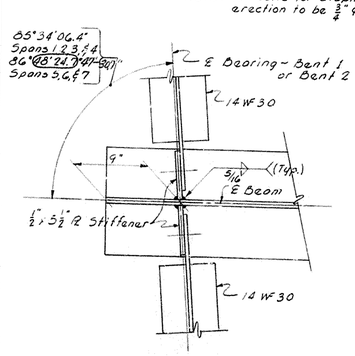




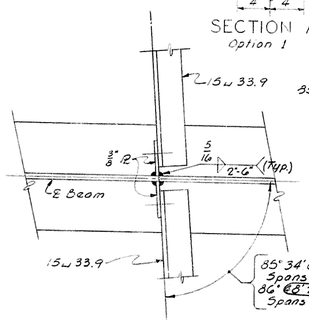




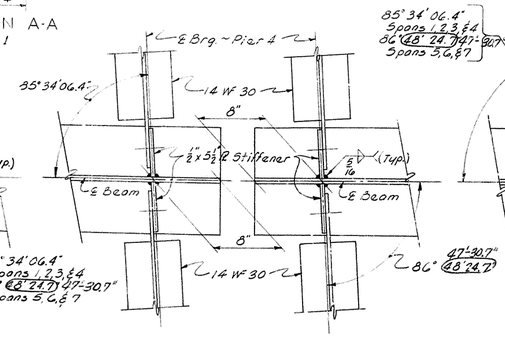
Note: Shear Connectors may be shop or field welded to top flange.



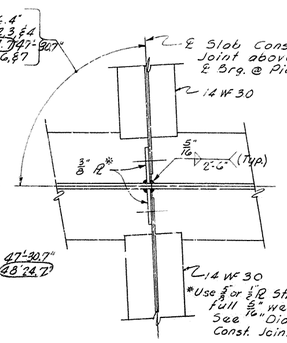
DETAIL A



DETAIL B



DETAIL C



DETAIL D

FRAMING PLAN AND DETAILS

STRUCTURAL STEEL NOTES

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

Structural Steel in Welded Cover plates, Splice Plates and Main Girders (Except Section over Piers 1, 2 & 3	A-36
Structural Steel in welded stiffners, Main Girder Section over Piers 1, 2 & 3 and shoes.	A-373-58T
Other Structural Steel including diaphrams and anchor bolts	A-7-58T
High strength bolts, nuts, and washers	A-325-58T
Lead plates and molten lead	B-29-58

WELDING: Welding and welding material shall conform to the American Welding Society's Specifications for Welded Highways and Railroad Bridges, 1956 edition. The cost of welding material and labor to be included in the "Lump Sum Bid" for structural steel. No direct payment will be made for welding or welding material.

PAINT: All structural steel shall be given one shop and one field coat of type 1 red lead paint and two field coats of aluminum paint in accordance with the Specifications except as noted. Shop paint shall not be applied within 3" of open holes where high strength steel bolts are to be used for field connections and surfaces in contact with concrete. Areas not painted in the shop shall be given one coat of type 1 red lead paint as touch up prior to the application of the field coat of red lead paint.

FIELD CONNECTIONS: High strength steel bolts to be used in accordance with 5.23-A-5(1) of the specifications. Open holes shall be 13/16" ϕ for ¾" ϕ high strength bolts, except in field splices on main girders 9/16" ϕ open holes for ⅞" ϕ high strength bolts shall be used.

ANCHOR BOLTS: The cost of lead required to set anchor bolts and the cost of drilling anchor bolt holes in the sub-structure shall be included in the "Lump Sum Bid" for structure steel. The contractor shall be responsible for keeping the 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.

MILL TEST REPORTS: Notarized test reports in triplicate shall be furnished the Kentucky Department of Highways showing that all material furnished conforms to the specification.

DIMENSIONS: Dimensions are for a normal tempeture of 68° Fahrenheit with dead load on the structure.

SHOP PLANS: The Contractor shall furnish the Kentucky Department of Highways with complete shop detail plans for approval and corrected final linen tracings in accordance with the specification. The cost of linen tracings shall be incidental to the Lump Sum bid for Structural Steel.

SHOP ASSEMBLY: General Reaming of holes for each field splice will be required, with all parts for each splice completely assembled and adjusted to line and camber shown on Sheet 19. This applies to field splices in beams only. Girders shall remain assembled for inspection by Kentucky Department of Highways inspector and shall be match marked while assembled.

SELF LUBRICATING BEARING PLATES: Self lubricating bearing plates shall be Lubrite or approved equal and be an article of standard production by an established manufacture of such equipment. They shall be provided with trepanned 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, and the compound shall be pressed into the recesses by hydraulic presses 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 Rolled Bronze Alloy - A.S.T.M. B100-58, Alloy 1.

For General Notes see Sheet 1 of 27

ESTIMATE OF QUANTITIES ①

Structural Steel:	A 7	60,100 Lbs.
	A 36	629,775 Lbs.
	A 373	303,345 Lbs.
Self Lubricating Bronze Plate:		9,040 Lbs.
Lead Plates		1,670 Lbs.
	Total	1,043,880 Lbs.
Shear Connectors, Option 1		6,630 Lbs.
Option 2		5,930 Lbs.
Option 3		8,780 Lbs.

① Totals shown are for both structures, N.B. & S.B.

US 27, L & N RR & LIMESTONE ST. SHEET 15 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

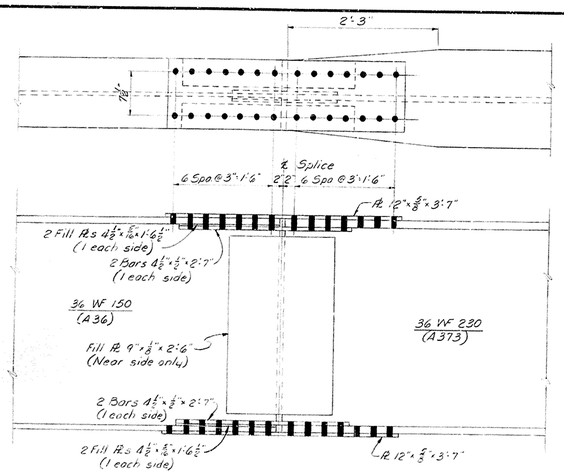
STATION 289+53.0 **PROJECT NO.** 164-4(2)71

BRIDGE NUMBER	DRAWING NO.	INDEX
	15046	

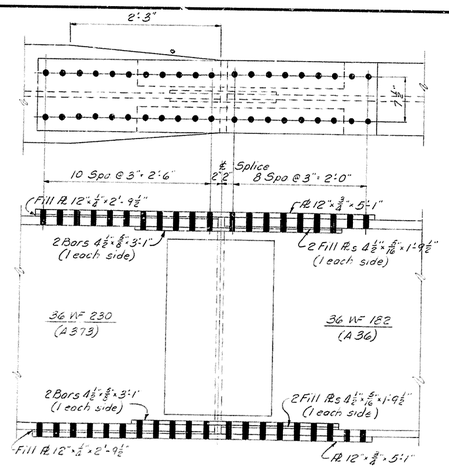
DESIGNED BY: RAD CHECKED BY: HWH DATE: 11-61
DETAILED BY: RLM CHECKED BY: RAD DATE: 11-30-61
TRACED BY: CHECKED BY: DATE:
REVISED: Span #4 Dimensions & Angles
REVISED: DATE:
REVISED: DATE:

BRIDGE

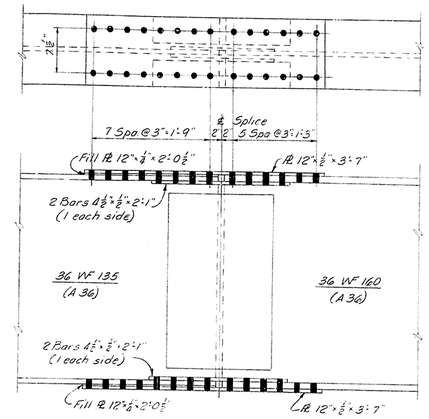
FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



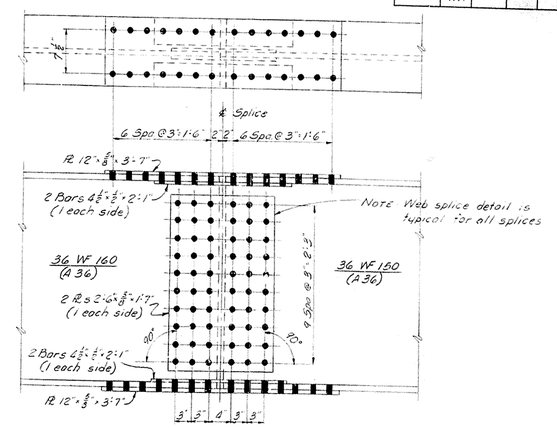
SPLICE DETAIL 1
(20 Required)



SPLICE DETAIL 2
(40 Required)

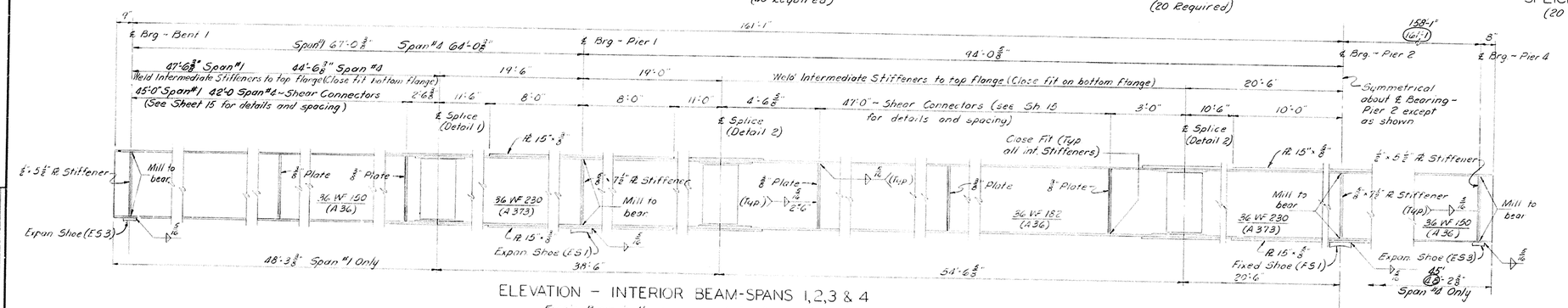


SPLICE DETAIL 3
(20 Required)



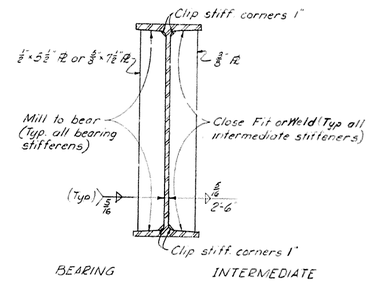
SPLICE DETAIL 4
(20 Required)

NOTE: All bolts for Field Splices, Details 1, 2, 3 & 4, to be 7/8" ϕ.

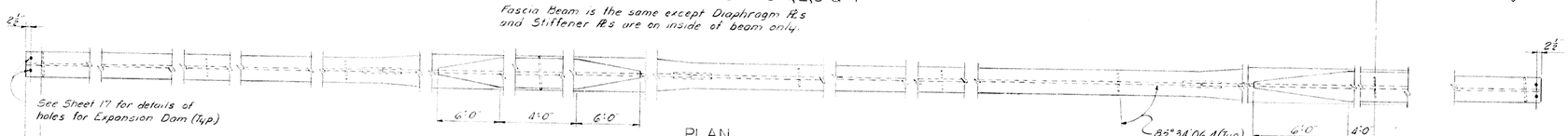


ELEVATION - INTERIOR BEAM-SPANS 1,2,3 & 4

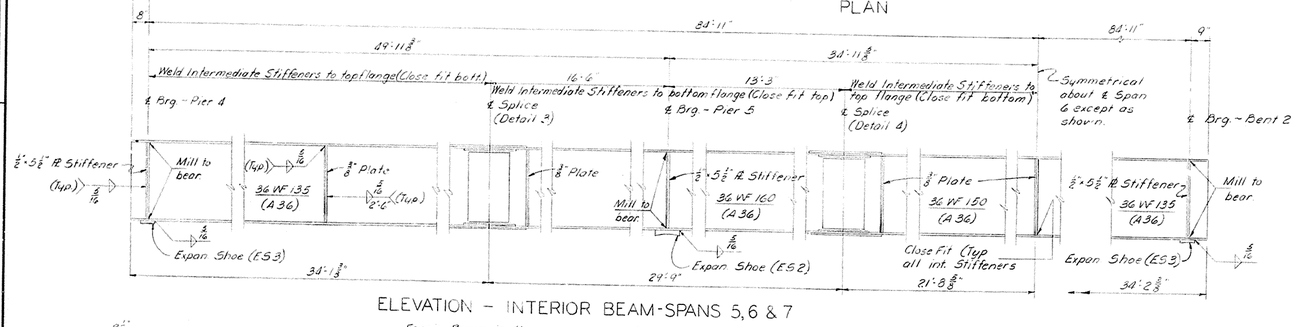
Fascia Beam is the same except Diaphragm Pls and Stiffener Pls are on inside of beam only.



STIFFENER Pl DETAIL

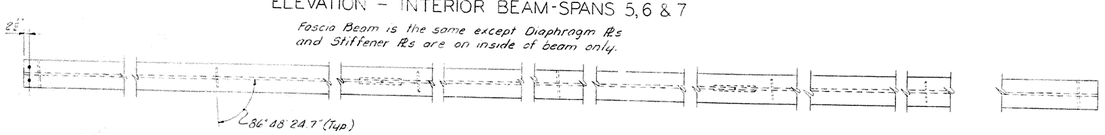


PLAN

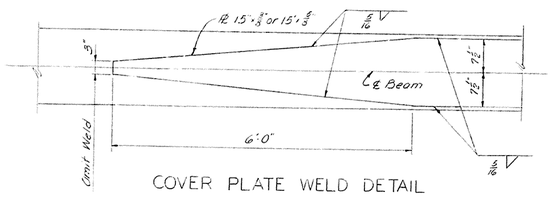


ELEVATION - INTERIOR BEAM-SPANS 5,6 & 7

Fascia Beam is the same except Diaphragm Pls and Stiffener Pls are on inside of beam only.



PLAN



COVER PLATE WELD DETAIL

NOTE: The Splices in spans 5 & 7 are optional.

See Sheet 18 for Camber and Beam Erection Diagrams.

BEAM DETAILS

US 27, L & N RR & LIMESTONE ST. SHEET 16 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE-LEXINGTON
ROAD

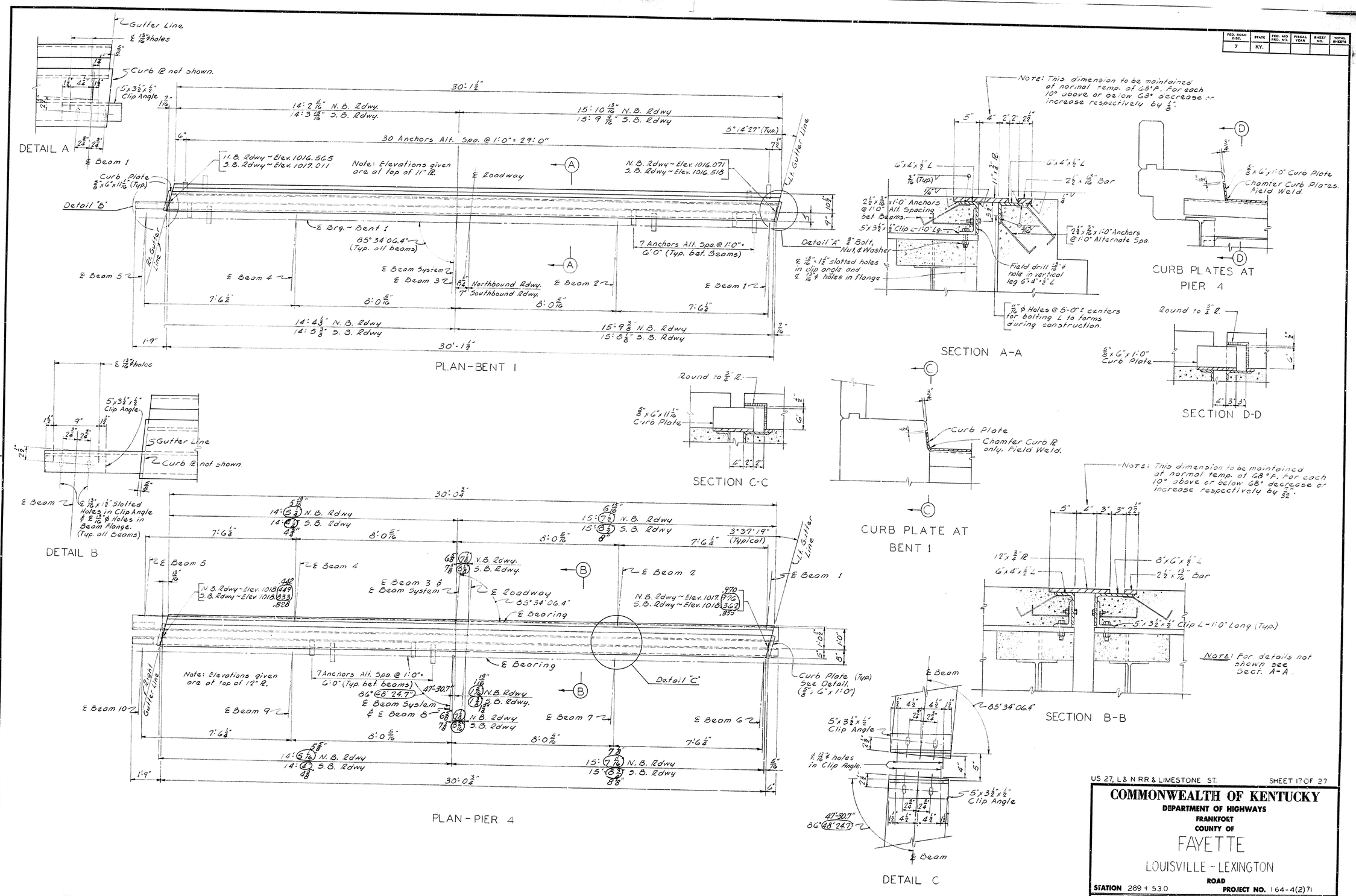
STATION 289 + 53.0 **PROJECT NO.** I 64-4(2)71

BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

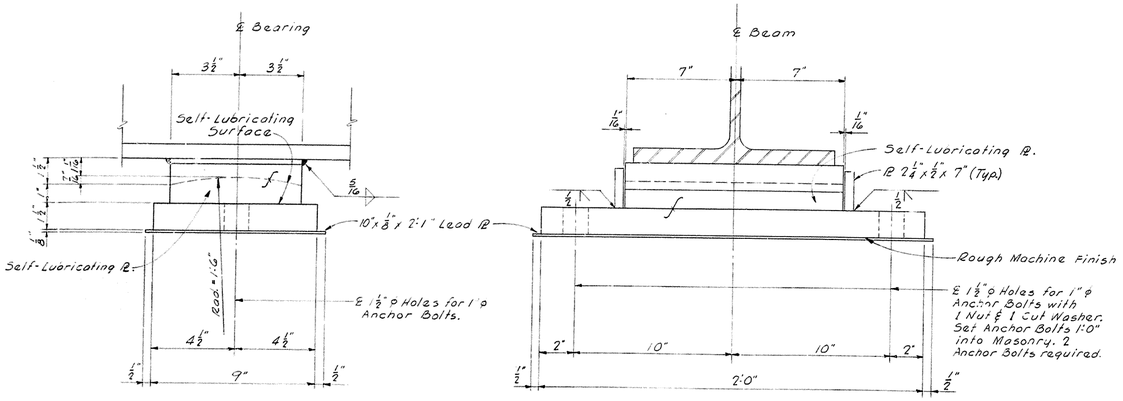
DESIGNED BY RAD CHECKED BY H.W.H. DATE 11/61
DETAILED BY D.E.S. CHECKED BY RAD PLAN 30d
TRACED BY CHECKED BY DATE

REVISED Changed welding of bearing stiffeners DATE 6/15/64
REVISED Span & dimensions DATE 8/5/64
REVISED DATE

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

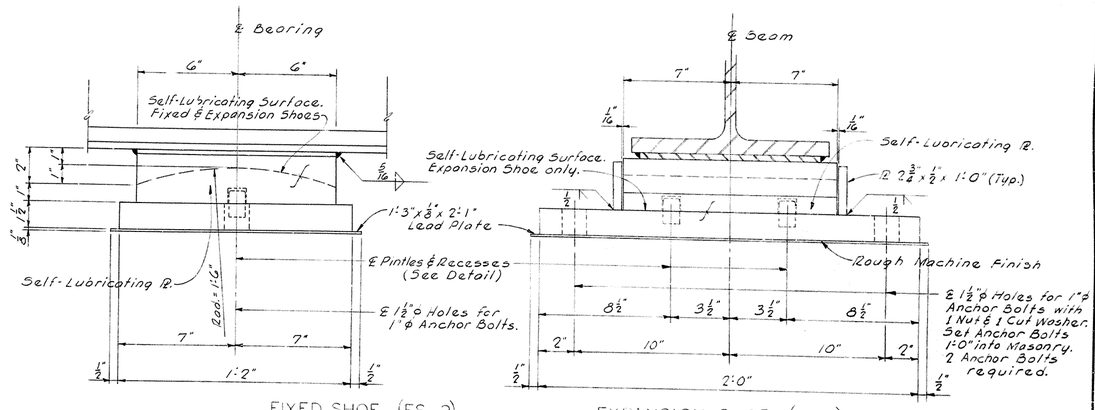


FED. ROAD DIST.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				



EXPANSION SHOE (ES-3)

40 Required
Weight of 1 Assembly
* Structural Steel = 146 lb.
Self-Lubricating ℞ = 44 lb.
Lead Plate = 13 lb.



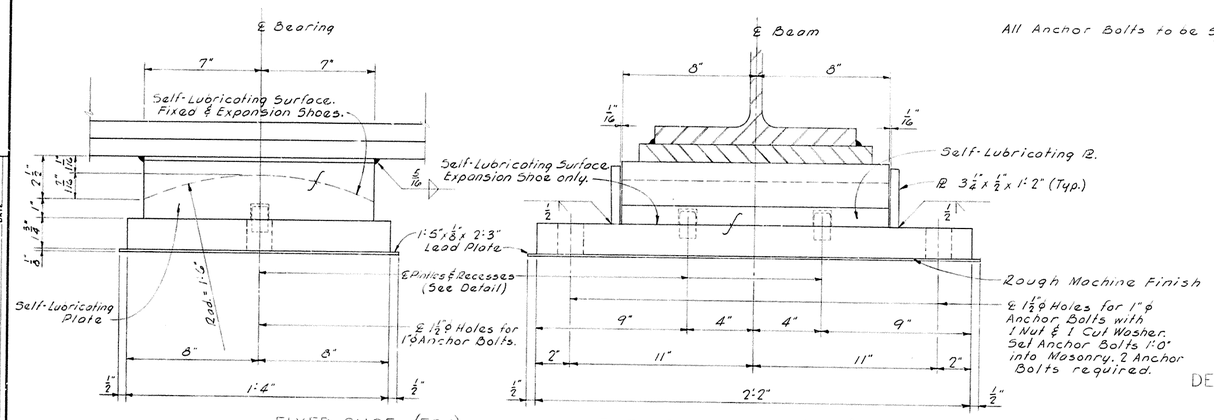
FIXED SHOE (FS-2)

10 Required with Pintles and Recesses 10 Required Omitting Pintles and Recesses for Pintles
Weight of 1 Assembly
* Structural Steel = 255 lb. (257 lb. for FS-2)
Self-Lubricating ℞ = 106 lb.
Lead Plate = 19 lb.

EXPANSION SHOE (ES-2)

* Structural Steel weight includes Anchor Bolts and Pintles but does not include Lead Plate or Weld Material.

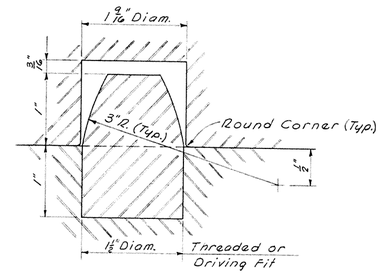
All Anchor Bolts to be Swedged Bolts.



FIXED SHOE (FS-1)

10 Required with Pintles and Recesses 20 Required Omitting Pintles and Recesses for Pintles
Weight of 1 Assembly
* Structural Steel = 386 lb. (388 lb. for FS-1)
Self-Lubricating ℞ = 172 lb.
Lead Plate = 24 lb.

EXPANSION SHOE (ES-1)

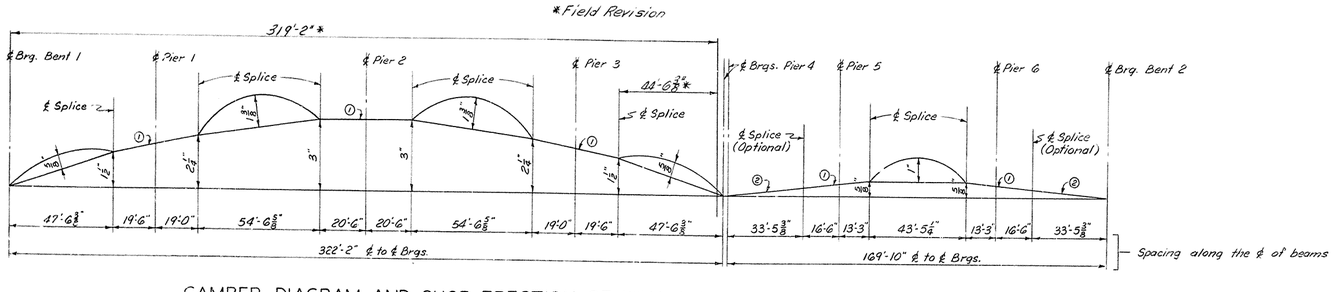


DETAIL OF PINTLE AND RECESS

A.S.T.M. SPECIFICATIONS	
Structural Steel	A373-58T
Sheet Lead and Lead for Anchor Bolt Holes	B29-55
Pintles may be A7-58T or A108-58T (Grade 1016 to 1030 inclusive.)	

SURFACE FINISH SPECIFICATIONS	
Steel Slabs	ASA 2000
Heavy Plates in contact in Shoes to be welded	ASA 1000
Surfaces in contact with Self-Lubricating Plates	ASA 125
Self-Lubricating Plates	ASA 125

* Field Revision



CAMBER DIAGRAM AND SHOP ERECTION OF BEAMS FOR REAMING OF HOLES

NOTE: Camber diagram based on the ℄ between flanges. Turn natural camber of beams down in sections marked Ⓒ and up in sections marked Ⓢ. Provide for use of natural camber on shop details with flanges marked.

CAMBER DIAGRAM AND SHOES

US 27, L & N RR & LIMESTONE ST. SHEET 18 OF 27

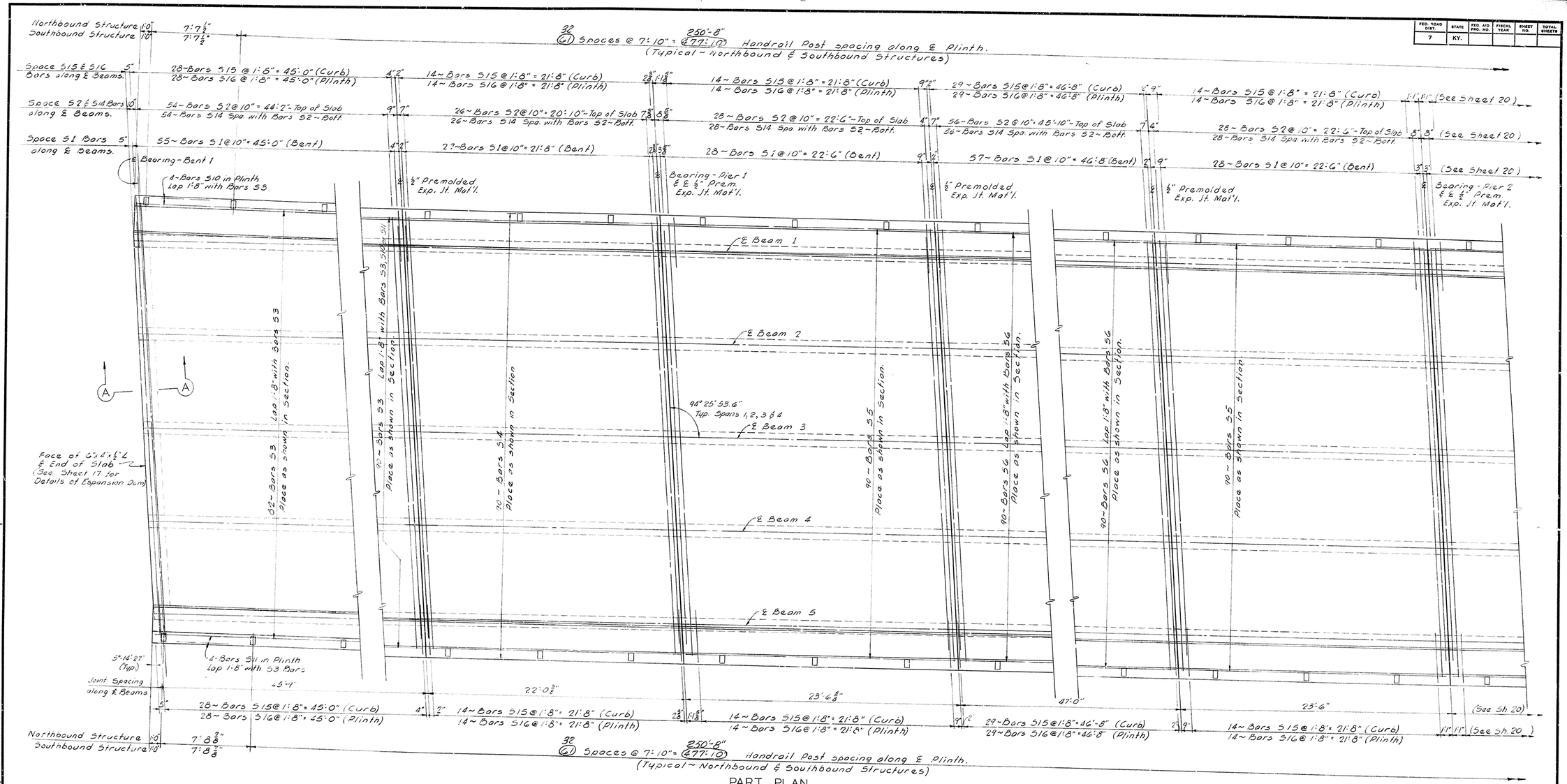
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE-LEXINGTON
ROAD

STATION 289 + 53.0 PROJECT NO. I64-4(2)71

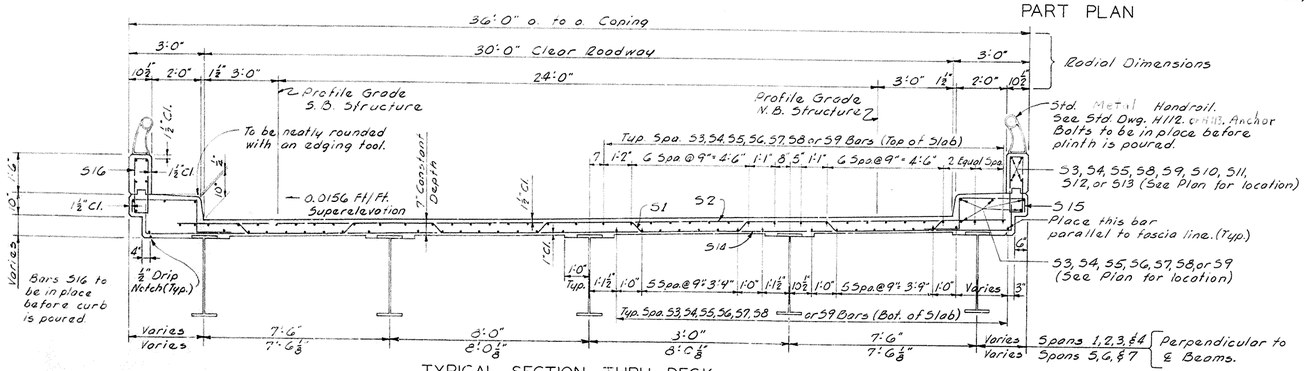
BRIDGE NUMBER	DRAWING NO. 15046	INDEX

DESIGNED BY RAD	CHECKED BY LAW	DATE 7-61	REVISED Camber Diagram for Field Revision DATE 11-28-63
DETAILED BY RLN	CHECKED BY RAD	DATE 8-26-61	REVISED DATE
TRACED BY	CHECKED BY	DATE	REVISED DATE

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



PART PLAN



TYPICAL SECTION THRU DECK

ESTIMATE OF QUANTITIES

	N.B.	S.B.	
Concrete, Class "A"	528.3 (531.0)	528.3 (531.0)	C.Y.
Reinforcement	102,610	102,610	Lbs.

US 27, L & N RR & LIMESTONE ST. SHEET 19 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289 + 53.0 **PROJECT NO.** I 64-4(2) 71

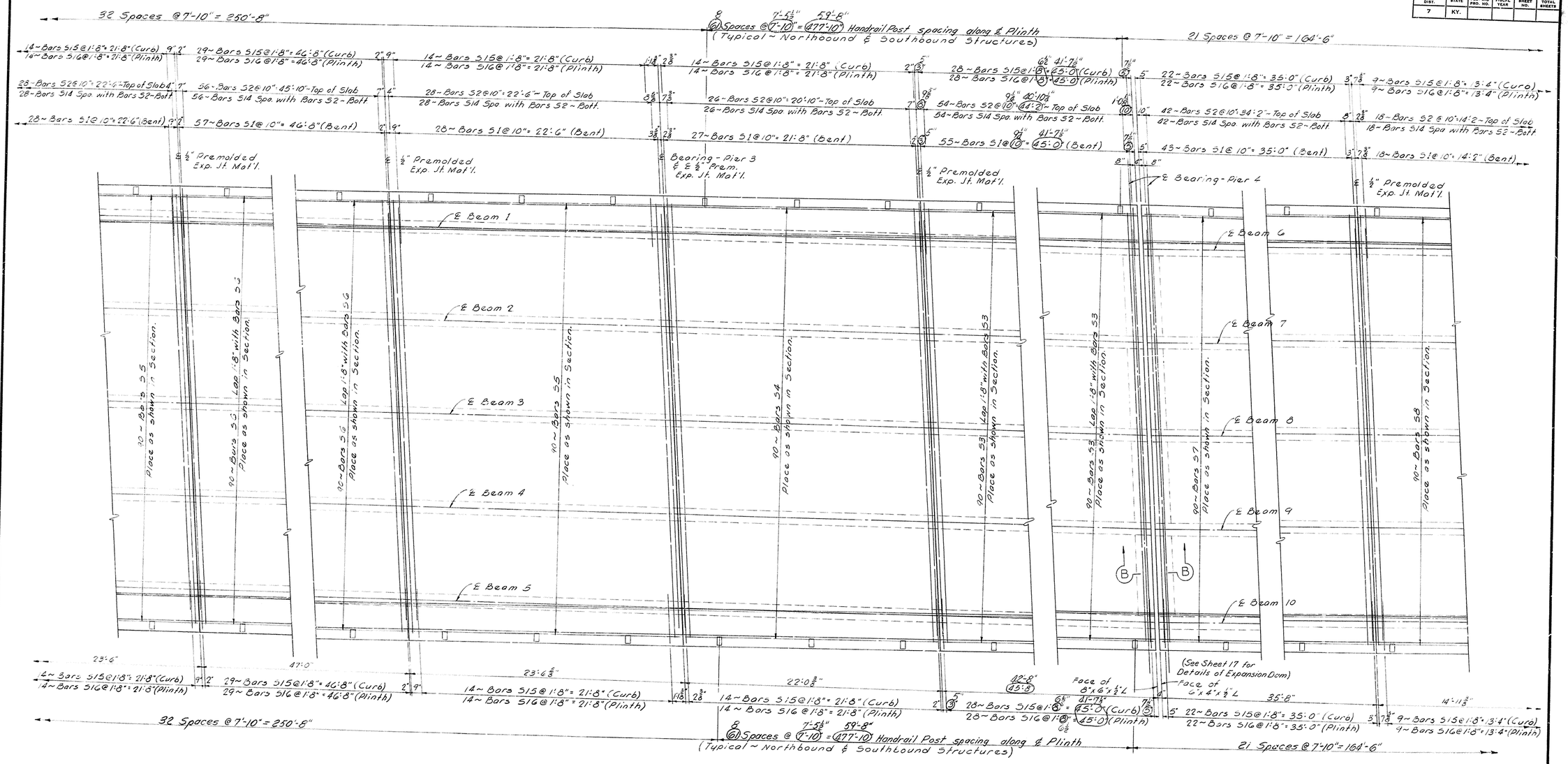
BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

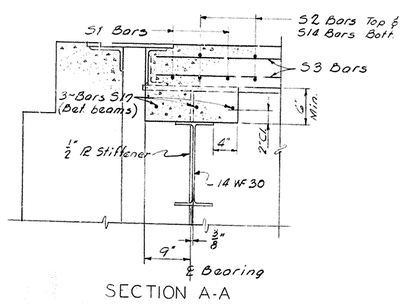
SUPERSTRUCTURE

DESIGNED BY R.A.D. CHECKED BY H.W.W. DATE 5-61
DETAILED BY R.L.N. CHECKED BY R.A.D. DATE 8-16-61
TRACED BY DATE
REVISED DATE
REVISED DATE
REVISED DATE
Revised Spacing Drawings DATE 11-21-65

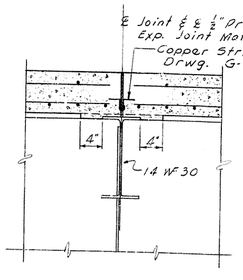
BRIDGE

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



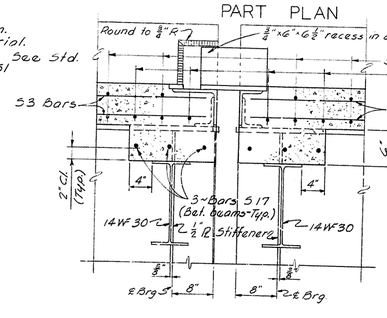


SECTION A-A

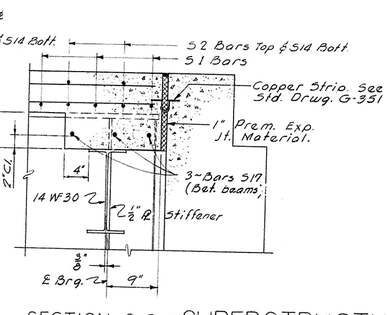


TYP. SECTION THRU SLAB CONST. JOINT

PART PLAN



SECTION B-B



SECTION C-C

SUPERSTRUCTURE

US 27, L & N RR & LIMESTONE ST. SHEET 20 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

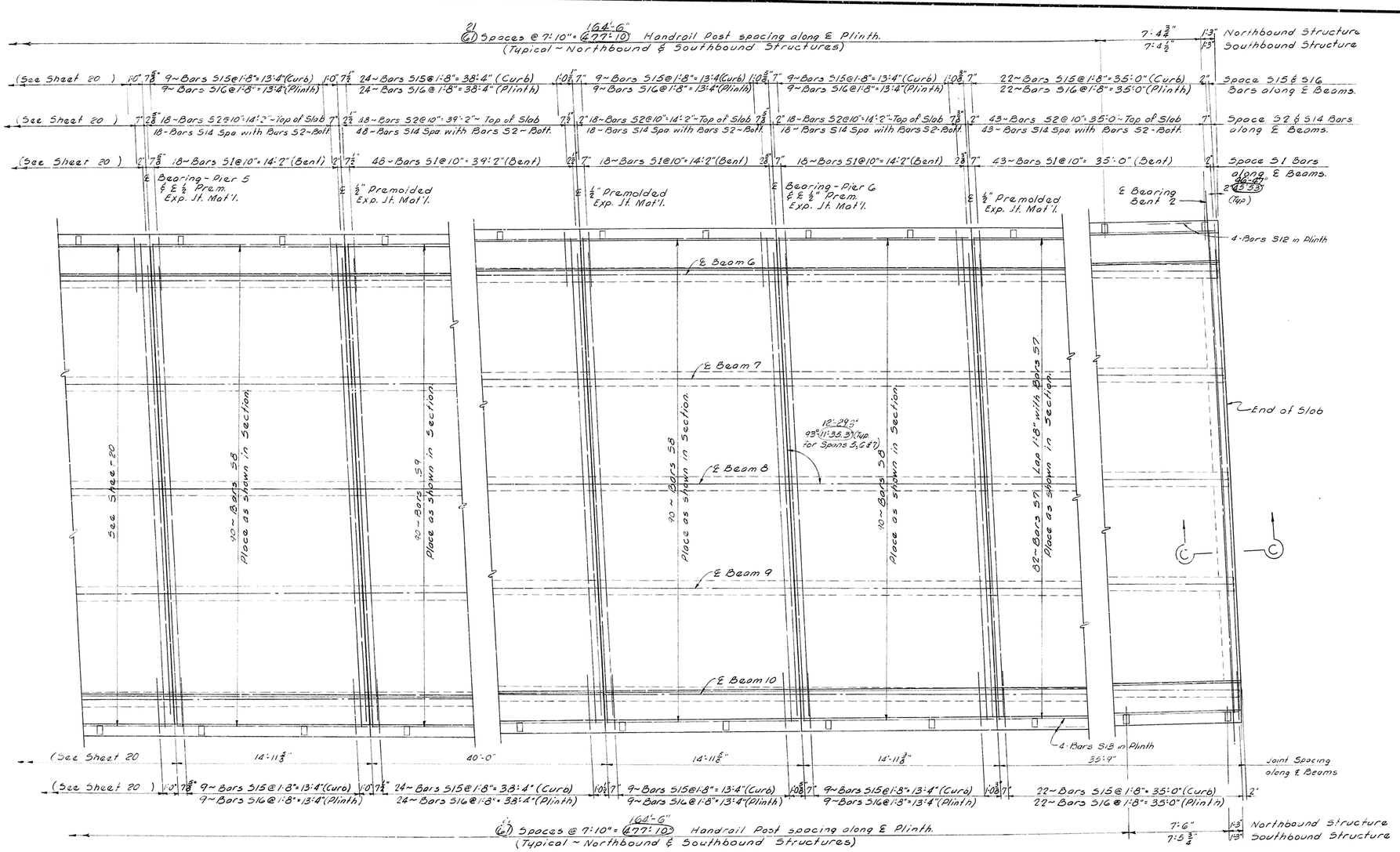
STATION 289 + 53.0 **PROJECT NO.** 164-4(2)71

BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

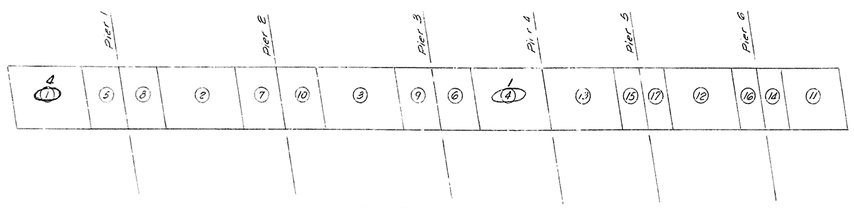
DESIGNED BY R.A.D. CHECKED BY H.W.H. DATE 5-61
DETAILED BY R.A.N. CHECKED BY R.A.D. DATE 8-16-61
TRACED BY CHECKED BY DATE
REVISED Handrail Post Spacing & Deck Length
REVISED DATE 1-12-62
REVISED DATE

BRIDGE

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



PART PLAN

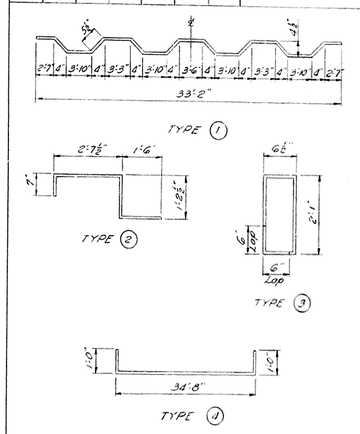


POURING SEQUENCE

NOTE: Section (1) thru (17) denote slab and curb poured in numerical order. Sections (11) thru (17) in order may be poured before sections (1) thru (10).

BILL OF REINFORCEMENT

MARK	TYPE	NO. BARS N.B.	NO. BARS S.B.	BAR SIZE	LENTH Ft	LENTH In	LOCATION
S1	(1)	596	596	5	34	2	Transverse Slab
S2	Str	589	589	5	34	8	" " ~Top
S3	"	352	352	4	23	6	Longitudinal Slab & Plinth
S4	"	180	180	4	21	8	" " "
S5	"	360	360	4	23	2	" " "
S6	"	360	360	4	21	2	" " "
S7	"	172	172	4	35	4	" " "
S8	"	360	360	4	14	7	" " "
S9	"	90	90	4	39	8	" " "
S10	"	4	4	4	23	4	Plinth
S11	"	4	4	4	23	10	"
S12	"	4	4	4	35	6	"
S13	"	4	4	4	35	3	"
S14	(4)	589	589	5	36	6	Transverse Slab ~ Bottom
S15	(2)	604	604	5	5	8	Curb
S16	(3)	604	604	5	6	0	Plinth
S17	Str.	48	48	6	7	3	Bents 1 & 8 Pier 4 ~ Bot beams



DESIGNED BY R.A.D.	CHECKED BY R.A.M.	DATE 5-61	REVISED Handrail Spacing & Angles L 1932 DATE 11-20-68
DETAILED BY R.A.D.	CHECKED BY R.A.D.	DATE 8-18-61	REVISED DATE
TRACED BY	CHECKED BY	DATE	REVISED DATE

US 27, L & N RR & LIMESTONE ST. SHEET 21 OF 27

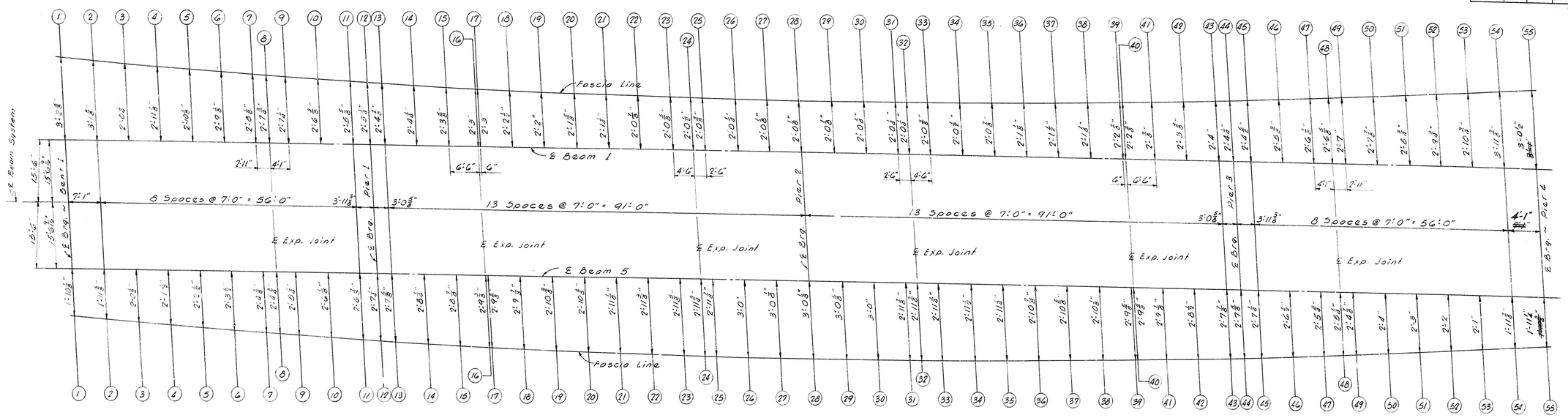
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

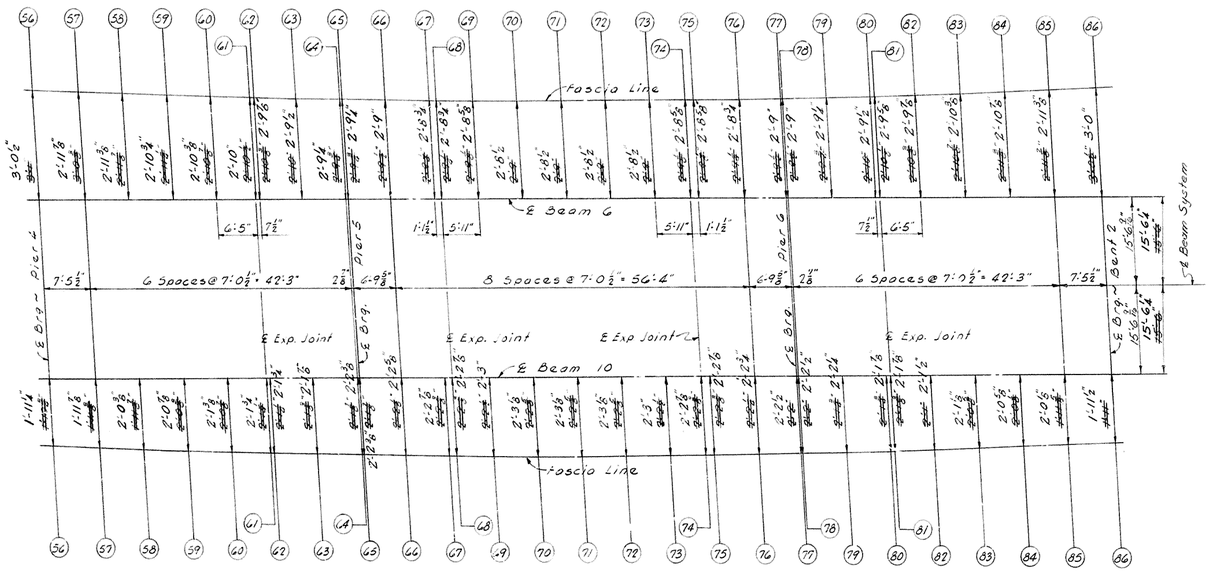
STATION 289 + 53.0 **PROJECT NO.** I 64-4(2)71

BRIDGE NUMBER	DRAWING NO.	INDEX
	15046	

SUPERSTRUCTURE

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





DESIGNED BY C.W.P.	CHECKED BY R.L.N.	DATE 6-64	REVISED Offsets
DETAILED BY D.R.S.	CHECKED BY R.A.D.	DATE 12-64	REVISED
TRACED BY	CHECKED BY	DATE	REVISED

DATE 11-21-63 DATE DATE

US 27, L&N RR & LIMESTONE ST. SHEET 22 OF 27

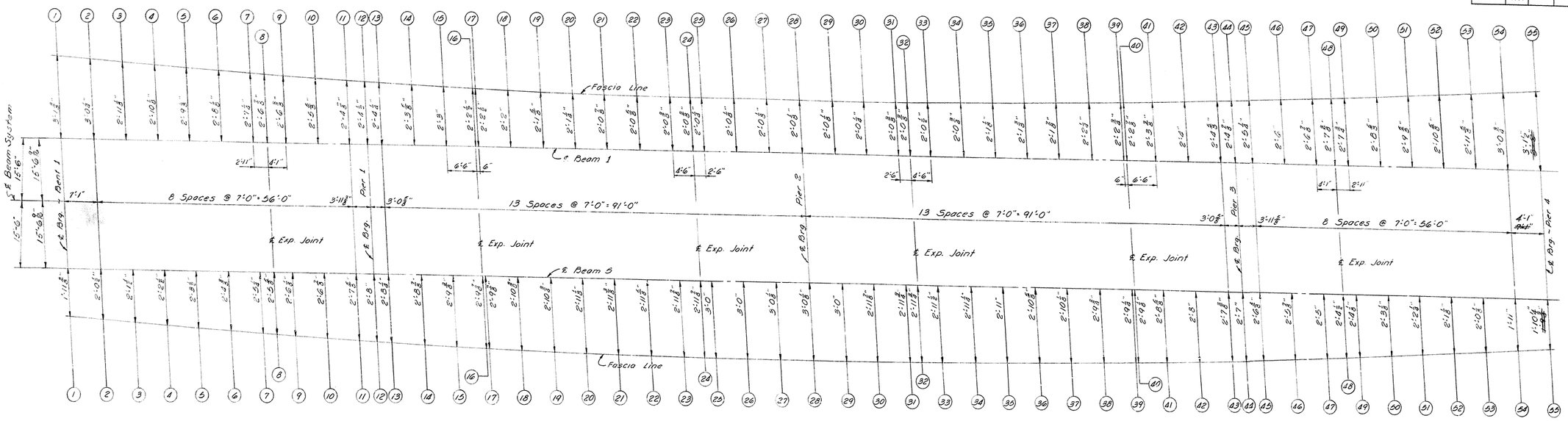
NORTHBOUND FASCIA LINE OFFSETS

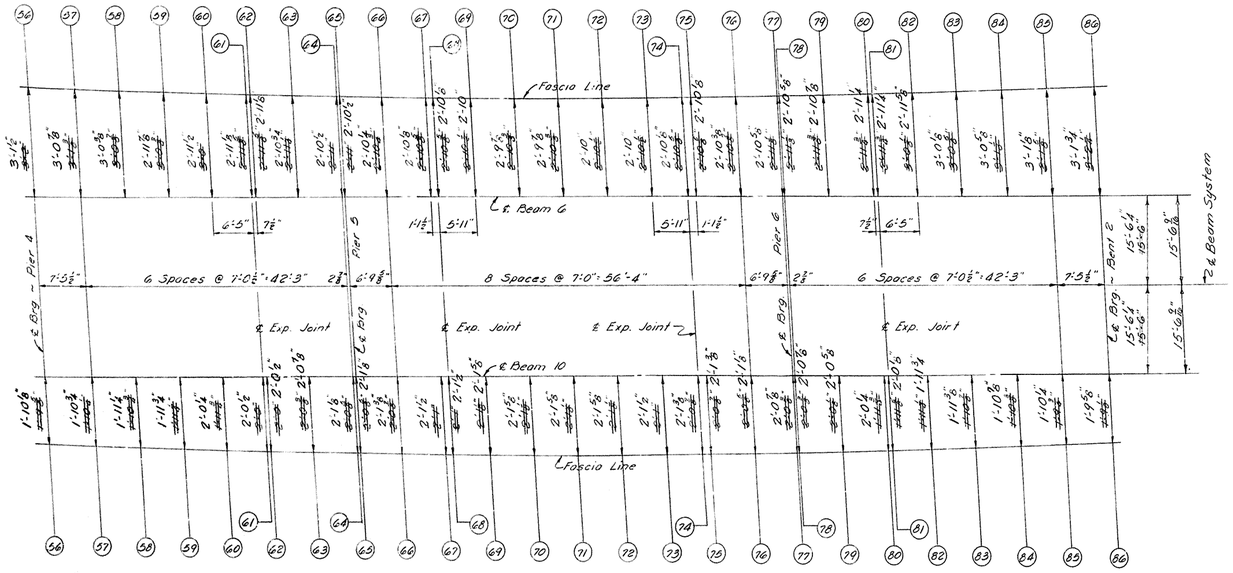
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289 + 53.0 PROJECT NO. 154-4(2)71

BRIDGE NUMBER | DRAWING NO 15046 | INDEX

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





SOUTHBOUND
FASCIA LINE OFFSETS

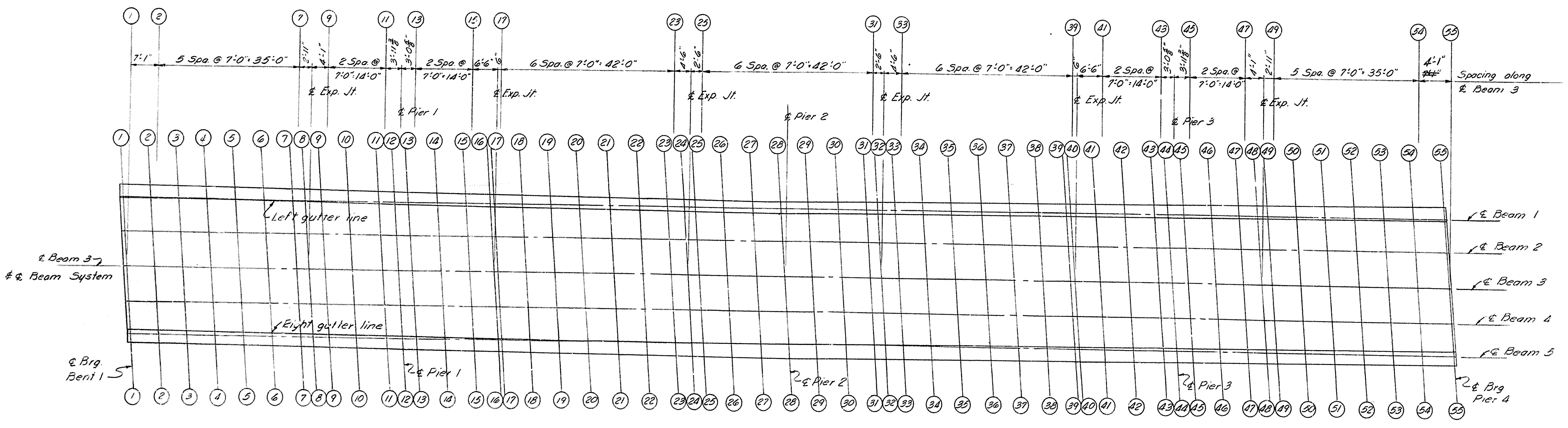
US 2, L&N RR & LIMESTONE ST. SHEET 23 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289 + 53.0 **PROJECT NO.** I 64 - 4(2)71

BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

DESIGNED BY C.W.R. CHECKED BY R.L.N. DATE 6-61
DETAILED BY D.R.S. CHECKED BY R.L.D. DATE 2-62
TRACED BY CHECKED BY DATE
REVISED Offsets DATE 11-21-63
REVISED DATE
REVISED DATE



PLAN - SPANS 1, 2, 3, 4

NOTE: See Sheet 17 for Elevs. at Expansion Dams at Bent 1 & Pier 4.

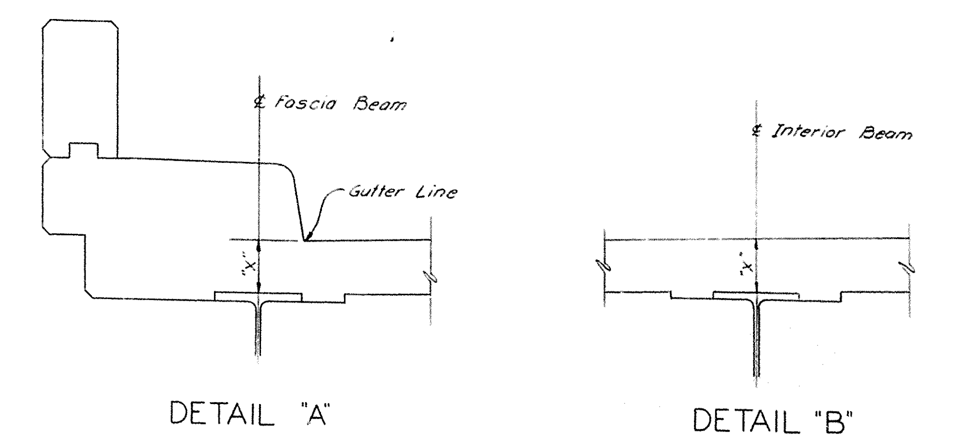


TABLE OF ELEVATIONS FOR SETTING SLAB FORMS

	Line	1-1	2-2	3-3	4-4	5-5	6-6	7-7	8-8	9-9	10-10	11-11	12-12	13-13	14-14
Lt. G. L.	Top Conc.	1016.077	1016.163	1016.243	1016.314	1016.379	1016.437	1016.489	1016.509	1016.536	1016.583	1016.637	1016.669	1016.696	1016.761
	Top & Beam	1015.496	1015.584	1015.663	1015.724	1015.777	1015.813	1015.846		15.938	15.953	16.043		16.093	16.116
	Dim. "X"	.581	.579	.580	.590	.602	.624	.643		.598	.630	.594		.603	.645
Bm. 2	Top Conc.	1016.204	1016.288	1016.366	1016.435	1016.499	1016.556	1016.606	1016.625	1016.652	1016.698	1016.750	1016.782	1016.809	1016.872
	Top & Beam	1015.618	1015.715	1015.798	1015.868	1015.916	1015.968	1016.006		16.091	16.086	16.167		16.215	16.214
	Dim. "X"	.586	.573	.568	.567	.583	.588	.600		.561	.612	.583		.594	.658
Bm. 3	Top Conc.	1016.336	1016.420	1016.497	1016.566	1016.630	1016.686	1016.737	1016.756	1016.783	1016.828	1016.881	1016.912	1016.939	1017.002
	Top & Beam	15.761	15.831	15.901	15.967	16.025	16.077	16.106		16.195	16.201	16.296		16.344	16.376
	Dim. "X"	.575	.589	.596	.599	.605	.609	.631		.588	.627	.585		.595	.626
Bm. 4	Top Conc.	1016.468	1016.551	1016.629	1016.698	1016.761	1016.817	1016.868	1016.887	1016.913	1016.959	1017.011	1017.042	1017.069	1017.132
	Top & Beam	15.893	15.979	16.043	16.111	16.166	16.203	16.226		16.311	16.316	16.416		16.476	16.511
	Dim. "X"	.575	.572	.586	.587	.595	.614	.642		.602	.643	.595		.593	.621
Rt. G. L.	Top Conc.	1016.572	1016.657	1016.736	1016.806	1016.871	1016.928	1016.980	1016.999	1017.026	1017.073	1017.126	1017.158	1017.185	1017.249
	Top & Beam	15.996	16.076	16.159	16.218	16.267	16.312	16.333		16.424	16.437	16.538		16.595	16.616
	Dim. "X"	.576	.581	.577	.588	.604	.616	.647		.602	.636	.588		.590	.633

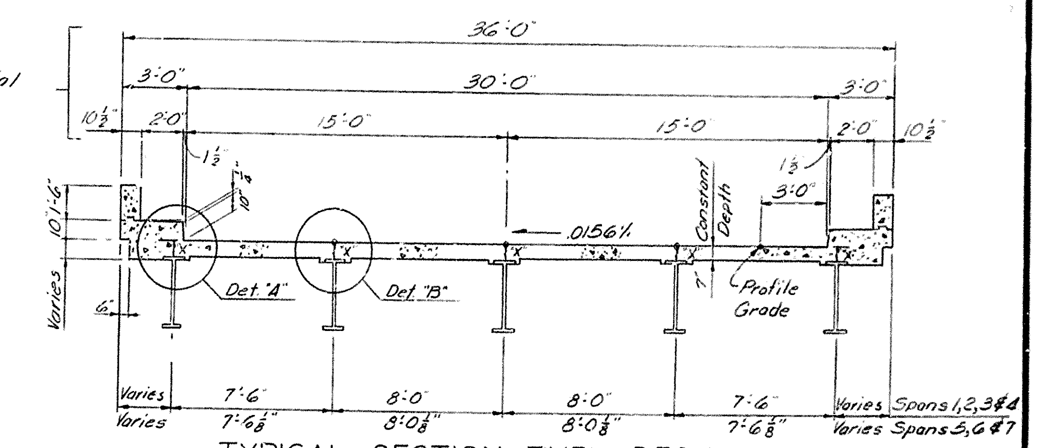
	Line	15-15	16-16	17-17	18-18	19-19	20-20	21-21	22-22	23-23	24-24	25-25	26-26	27-27	28-28
Lt. G. L.	Top Conc.	1016.833	1016.902	1016.907	1016.977	1017.040	1017.092	1017.137	1017.176	1017.208	1017.222	1017.230	1017.256	1017.287	1017.324
	Top & Beam	16.253		16.277	16.379	16.446	16.544	16.587	16.612	16.619		16.677	16.624	16.698	16.721
	Dim. "X"	.580		.630	.598	.574	.548	.550	.564	.589		.553	.632	.589	.603
Bm. 2	Top Conc.	1016.944	1017.012	1017.017	1017.085	1017.147	1017.199	1017.244	1017.282	1017.313	1017.327	1017.335	1017.360	1017.391	1017.429
	Top & Beam	16.338		16.468	16.466	16.554	16.616	16.666	16.696	16.710		16.773	16.716	16.803	16.838
	Dim. "X"	.606		.549	.619	.593	.583	.578	.586	.603		.562	.644	.588	.591
Bm. 3	Top Conc.	1017.073	1017.141	1017.146	1017.215	1017.277	1017.329	1017.373	1017.411	1017.442	1017.456	1017.464	1017.489	1017.520	1017.557
	Top & Beam	16.511		16.531	16.616	16.705	16.773	16.804	16.803	16.794		16.842	16.806	16.908	16.963
	Dim. "X"	.562		.615	.599	.572	.556	.569	.608	.648		.622	.683	.612	.594
Bm. 4	Top Conc.	1017.203	1017.271	1017.276	1017.345	1017.406	1017.458	1017.502	1017.540	1017.571	1017.584	1017.592	1017.618	1017.648	1017.686
	Top & Beam	16.645		16.666	16.764	16.847	16.919	16.966	16.978	16.979		17.041	17.001	17.084	17.112
	Dim. "X"	.558		.610	.581	.559	.539	.536	.562	.592		.551	.617	.564	.574
Rt. G. L.	Top Conc.	1017.320	1017.389	1017.394	1017.463	1017.525	1017.577	1017.622	1017.660	1017.691	1017.705	1017.713	1017.738	1017.769	1017.806
	Top & Beam	16.762		16.781	16.873	16.956	17.023	17.083	17.100	17.109		17.165	17.108	17.185	17.202
	Dim. "X"	.558		.613	590	.569	.554	.539	.560	.582		.548	.630	.584	604

	Line	29-29	30-30	31-31	32-32	33-33	34-34	35-35	36-36	37-37	38-38	39-39	40-40	41-41	42-42
Lt. G. L.	Top Conc.	1017.369	1017.420	1017.477	1017.499	1017.538	1017.588	1017.631	1017.669	1017.699	1017.718	1017.731	1017.732	1017.740	1017.751
	Top & Beam	16.747	16.713	16.806		16.798	16.863	16.907	16.946	16.960	16.965	16.965		17.038	17.026
	Dim. "X"	.622	.707	.671		.740	.725	.724	.723	.739	.753	.766		.702	.725
Bm. 2	Top Conc.	1017.473	1017.525	1017.581	1017.603	1017.642	1017.693	1017.737	1017.774	1017.804	1017.824	1017.838	1017.839	1017.847	1017.858
	Top & Beam	16.873	16.851	16.956		16.986	17.067	17.171	17.175	17.203	17.215	17.214		17.247	17.186
	Dim. "X"	.600	.674	.625		.656	.626	.566	.599	.601	.609	.624		.600	.672
Bm. 3	Top Conc.	1017.602	1017.653	1017.709	1017.731	1017.770	1017.820	1017.864	1017.902	1017.932	1017.952	1017.965	1017.966	1017.974	1017.985
	Top & Beam	17.003	16.994	17.113		17.130	17.209	17.274	17.325	17.347	17.391	17.333		17.391	17.339
	Dim. "X"	.599	.659	.596		.640	.611	.590	.577	.585	.561	.632		.583	.646
Bm. 4	Top Conc.	1017.730	1017.781	1017.837	1017.859	1017.898	1017.948	1017.992	1018.029	1018.059	1018.079	1018.092	1018.093	1018.101	1018.112
	Top & Beam	17.146	17.120	17.224		17.231	17.302	17.366	17.403	17.421	17.416	17.396		17.466	17.433
	Dim. "X"	.584	.661	.613		.667	.646	.626	.626	.638	.663	.696		.635	.679
Rt. G. L.	Top Conc.	1017.850	1017.901	1017.957	1017.979	1018.018	1018.067	1018.110	1018.148	1018.177	1018.196	1018.208	1018.209	1018.216	1018.227
	Top & Beam	17.224	17.196	17.311		17.345	17.431	17.502	17.557	17.582	17.589	17.566		17.606	17.573
	Dim. "X"	.626	.705	.646		.673	.636	.608	.591	.595	.607	.642		.610	.654

	Line	43-43	44-44	45-45	46-46	47-47	48-48	49-49	50-50	51-51	52-52	53-53	54-54	55-55
Lt. G. L.	Top Conc.	1017.769	1017.776	1017.791	1017.820	1017.855	1017.875	1017.890	1017.921	1017.945	1017.962	1017.974	1017.~~929~~ 972	1017.~~974~~ 968
	Top & Beam	17.109		17.175	17.209	17.311		17.313	17.346	17.373	17.390	17.395	17.398	17.390
	Dim. "X"	.660		.616	.611	.544		.577	.575	.572	.572	.579	.574	.578
Bm. 2	Top Conc.	1017.877	1017.885	1017.900	1017.930	1017.966	1017.987	1018.002	1018.034	1018.059	1018.077	1018.090	1018.~~095~~ 090	1018.~~094~~ 088
	Top & Beam	17.255		17.256	17.236	17.296		17.287	17.346	17.393	17.416	17.452	17.462	17.484
	Dim. "X"	.622		.644	.694	.670		.715	.688	.666	.661	.638	.628	.604
Bm. 3	Top Conc.	1018.004	1018.012	1018.027	1018.056	1018.093	1018.114	1018.129	1018.160	1018.185	1018.204	1018.216	1018.~~221~~ 216	1018.~~220~~ 213
	Top & Beam	17.401		17.426	17.406	17.476		17.474	17.543	17.590	17.616	17.635	17.625	17.625
	Dim. "X"	.603		.601	.650	.617		.655	.617	.595	.588	.581	.591	.588
Bm. 4	Top Conc.	1018.131	1018.139	1018.154	1018.183	1018.219	1018.240	1018.255	1018.287	1018.311	1018.330	1018.343	1018.~~347~~ 342	1018.~~346~~ 339
	Top & Beam	17.518		17.574	17.593	17.673		17.676	17.726	17.756	17.756	17.753	17.738	17.747
	Dim. "X"	.613		.580	.590	.546		.579	.561	.555	.574	.590	.604	.592
Rt. G. L.	Top Conc.	1018.245	1018.252	1018.266	1018.295	1018.330	1018.350	1018.364	1018.394	1018.418	1018.435	1018.446	1018.~~459~~ 445	1018.~~447~~ 440
	Top & Beam	17.650		17.693	17.697	17.771		17.772	17.818	17.850	17.886	17.888	17.871	17.863
	Dim. "X"	.595		.573	.598	.559		.592	.576	.568	.549	.558	.574	.577

NOTES

1. Take elevations on top of steel at points indicatel 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 & Beam".
2. Compute Dimension X as follows: "Top Concrete" Elevation minus "Top & Beam" Elevation equals Dimension X.
3. "Top Concrete" Elevations include camber due to weight of concrete slab.
4. For setting templates measure Dimension X above top of steel for top of template. Do not set templates by elevations.
5. Construct handrail plinth to sidewalk grade. Do not add camber to handrail plinth.
6. Temporary supports or shoring will not be permitted under the steel beams when pouring the concrete floor slab or when taking elevations for "Top of Beam".



TYPICAL SECTION THRU DECK

For Dead Load Deflections see Sheet 27

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

REVISED Elevations DATE 11-21-63 (signature)
REVISED Recorded Steel Elev & Dimension X DATE 3-24-64 McDaniel-LME
REVISED DATE

DESIGNED BY RAD CHECKED BY HMW DATE 8-25-61
DETAILED BY DRS CHECKED BY RAD DATE 9-22-61
TRACED BY CHECKED BY DATE

NORTHBOUND ELEVATIONS

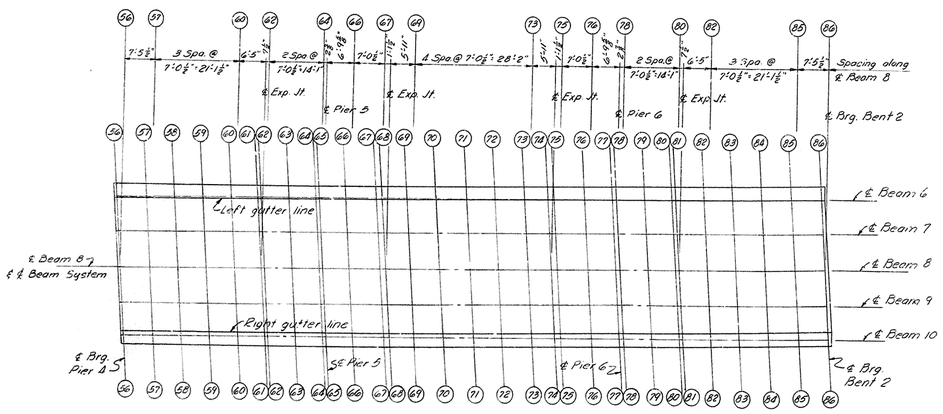
US 27, L&N RR & LIMESTONE ST. SHEET 24 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE-LEXINGTON
ROAD
STATION 289 + 53.0 **PROJECT NO.** I 64-4(2)71

BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

BRIDGE

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



PLAN - SPANS 5, 6, 7

NOTE: Work this sheet with sheet 24 for notes, section thru deck and details.

TABLE OF ELEVATIONS FOR SETTING SLAB FORMS

	Line	(56)-(56)	(57)-(57)	(58)-(58)	(59)-(59)	(60)-(60)	(61)-(61)	(62)-(62)	(63)-(63)	(64)-(64)	(65)-(65)	(66)-(66)	(67)-(67)	(68)-(68)	(69)-(69)	(70)-(70)	(71)-(71)	(72)-(72)	(73)-(73)	(74)-(74)	(75)-(75)	(76)-(76)	(77)-(77)	(78)-(78)	(79)-(79)	(80)-(80)	(81)-(81)	(82)-(82)	(83)-(83)	(84)-(84)	(85)-(85)	(86)-(86)
Lt. G.L.	Top Conc.	1017.971 ~~1018.028~~	1018.986 ~~1018.986~~	1018.017 ~~1018.989~~	1018.030 ~~1018.986~~	1018.038 ~~1018.993~~	1018.041 ~~1018.996~~	1018.040 ~~1018.998~~	1018.045 ~~1018.044~~	1018.051 ~~1018.007~~	1018.054 ~~1018.010~~	1018.071 ~~1018.028~~	1018.093 ~~1018.035~~	1018.097 ~~1018.040~~	1018.114 ~~1018.115~~	1018.130	1018.136	1018.133	1018.121	1018.107	1018.104	1018.084	1018.072 ~~1018.091~~	1018.072 ~~1018.091~~	1018.067 ~~1018.087~~	1018.067 ~~1018.087~~	1018.070 ~~1018.089~~	1018.067 ~~1018.086~~	1018.066 ~~1018.085~~	1018.055 ~~1018.081~~	1018.040 ~~1018.066~~	1018.017 ~~1018.042~~
	Top & Beam	1017.411	1017.412	1017.417	1017.421	1017.432	1017.432		1017.442		1017.443	1017.442		1017.484	1017.480	1017.522	1017.537	1017.521	1017.481	1017.445			1017.452	1017.452		1017.459		1017.455	1017.453	1017.454	1017.452	1017.434	1017.442
	Dim. "X"	0.560	0.584	0.600	0.603	0.606	0.603		0.603		0.611	0.629		0.613	0.634	0.608	0.559	0.612	0.640	0.658			0.632	0.620		0.610		0.615	0.610	0.612	0.603	0.606	0.575
Bm 7	Top Conc.	1018.080 ~~1018.083~~	1018.125 ~~1018.128~~	1018.135 ~~1018.141~~	1018.140 ~~1018.145~~	1018.155 ~~1018.160~~	1018.157 ~~1018.162~~	1018.158 ~~1018.162~~	1018.165 ~~1018.169~~	1018.169 ~~1018.173~~	1018.168 ~~1018.172~~	1018.186 ~~1018.190~~	1018.207 ~~1018.209~~	1018.211 ~~1018.215~~	1018.220 ~~1018.224~~	1018.243	1018.249	1018.246	1018.234	1018.220	1018.217	1018.198 ~~1018.196~~	1018.196 ~~1018.194~~	1018.186 ~~1018.184~~	1018.180 ~~1018.178~~	1018.181 ~~1018.179~~	1018.181 ~~1018.181~~	1018.184 ~~1018.184~~	1018.181 ~~1018.177~~	1018.169 ~~1018.167~~	1018.156 ~~1018.154~~	1018.134 ~~1018.129~~
	Top & Beam	1017.532	1017.532	1017.537	1017.542	1017.545	1017.560		1017.557		1017.572	1017.573		1017.573	1017.612	1017.640	1017.641	1017.622	1017.590	1017.542			1017.552	1017.552		1017.553		1017.551	1017.550	1017.545	1017.560	1017.562	1017.552
	Dim. "X"	0.553	0.583	0.528	0.605	0.610	0.597		0.603		0.590	0.613		0.632	0.616	0.603	0.608	0.624	0.644	0.678			0.646	0.634		0.623		0.633	0.634	0.632	0.611	0.594	0.582
Bm. 8	Top Conc.	1018.616 ~~1018.622~~	1018.641 ~~1018.646~~	1018.660 ~~1018.664~~	1018.672 ~~1018.676~~	1018.685 ~~1018.689~~	1018.688 ~~1018.692~~	1018.686 ~~1018.690~~	1018.696 ~~1018.700~~	1018.696 ~~1018.700~~	1018.702 ~~1018.706~~	1018.714 ~~1018.718~~	1018.730 ~~1018.734~~	1018.734 ~~1018.738~~	1018.753 ~~1018.757~~	1018.762	1018.774	1018.773	1018.757	1018.682		1018.632 ~~1018.630~~	1018.610 ~~1018.608~~	1018.610 ~~1018.608~~	1018.607 ~~1018.605~~	1018.607 ~~1018.605~~	1018.608 ~~1018.606~~	1018.605 ~~1018.603~~	1018.601 ~~1018.599~~	1018.596 ~~1018.594~~	1018.590 ~~1018.588~~	1018.582 ~~1018.580~~
	Top & Beam	1017.662	1017.672	1017.663	1017.677	1017.653	1017.672		1017.677		1017.682	1017.783		1017.692	1017.737	1017.762	1017.772	1017.773	1017.737	1017.682			1017.692	1017.682		1017.691		1017.692	1017.681	1017.679	1017.681	1017.685	1017.682
	Dim. "X"	0.554	0.563	0.597	0.596	0.621	0.611		0.603		0.619	0.529		0.644	0.616	0.606	0.602	0.598	0.622	0.663			0.631	0.623		0.616		0.616	0.627	0.626	0.615	0.591	0.577
Bm 9	Top Conc.	1018.348 ~~1018.343~~	1018.367 ~~1018.364~~	1018.376 ~~1018.372~~	1018.390 ~~1018.386~~	1018.406 ~~1018.401~~	1018.403 ~~1018.398~~	1018.402 ~~1018.398~~	1018.415 ~~1018.410~~	1018.419 ~~1018.415~~	1018.429 ~~1018.424~~	1018.436 ~~1018.431~~	1018.452 ~~1018.447~~	1018.461 ~~1018.456~~	1018.470 ~~1018.465~~	1018.493	1018.499	1018.496	1018.484	1018.449	1018.466	1018.448	1018.434 ~~1018.434~~	1018.434 ~~1018.434~~	1018.430 ~~1018.430~~	1018.430 ~~1018.430~~	1018.430 ~~1018.430~~	1018.430 ~~1018.430~~	1018.436 ~~1018.436~~	1018.446 ~~1018.446~~	1018.466 ~~1018.466~~	1018.483 ~~1018.483~~
	Top & Beam	1017.732	1017.790	1017.777	1017.787	1017.781	1017.797		1017.802		1017.800	1017.793		1017.800	1017.852	1017.900	1017.904	1017.892	1017.842	1017.797			1017.817	1017.822		1017.835		1017.839	1017.839	1017.832	1017.832	1017.822	1017.803
	Dim. "X"	0.550	0.577	0.603	0.611	0.625	0.611		0.603		0.619	0.643		0.661	0.636	0.553	0.595	0.604	0.642	0.672			0.631	0.613		0.587		0.594	0.594	0.598	0.588	0.583	0.574
Pt G.L.	Top Conc.	1018.413 ~~1018.408~~	1018.432 ~~1018.427~~	1018.441 ~~1018.436~~	1018.454 ~~1018.449~~	1018.470 ~~1018.464~~	1018.467 ~~1018.462~~	1018.466 ~~1018.460~~	1018.479 ~~1018.474~~	1018.483 ~~1018.478~~	1018.493 ~~1018.487~~	1018.500 ~~1018.495~~	1018.516 ~~1018.511~~	1018.524 ~~1018.518~~	1018.533 ~~1018.528~~	1018.598	1018.604	1018.601	1018.588	1018.574	1018.571	1018.552	1018.530 ~~1018.525~~	1018.530 ~~1018.525~~	1018.525 ~~1018.519~~	1018.525 ~~1018.519~~	1018.524 ~~1018.519~~	1018.524 ~~1018.519~~	1018.522 ~~1018.516~~	1018.514 ~~1018.509~~	1018.505 ~~1018.499~~	1018.493 ~~1018.488~~
	Top & Beam	1017.910	1017.912	1017.904	1017.920	1017.913	1017.914		1017.914		1017.929	1017.932		1017.912	1017.950	1017.974	1017.992	1017.952	1017.912	1017.892			1017.922	1017.929		1017.932		1017.937	1017.935	1017.939	1017.932	1017.927	1017.922
	Dim. "X"	0.533	0.556	0.584	0.581	0.596	0.598		0.601		0.595	0.609		0.654	0.633	0.624	0.612	0.649	0.676	0.682			0.630	0.610		0.603		0.599	0.600	0.593	0.589	0.578	0.561

For Dead Load Deflections see Sheet 27

US 27, L & N RR & LIMESTONE ST. SHEET 25 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD
STATION 289 + 53.0 **PROJECT NO.** 164-4(2)71

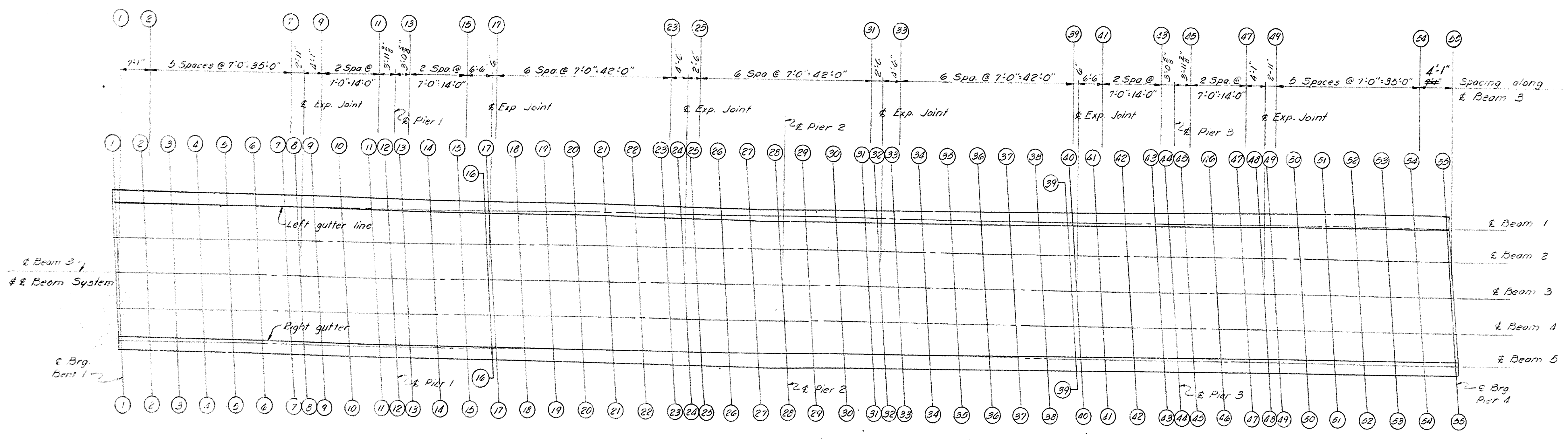
BRIDGE NUMBER | **DRAWING NO.** 15046 | **INDEX**

NORTHBOUND ELEVATIONS

DESIGNED BY RAD CHECKED BY HWM DATE 8-23-61
DETAILED BY D.R.S. CHECKED BY RAD DATE 9-22-61
TRACED BY ____ CHECKED BY ____ DATE ____
REVISED Elevations DATE 11-21-62
REVISED ____ DATE ____
REVISED ____ DATE ____

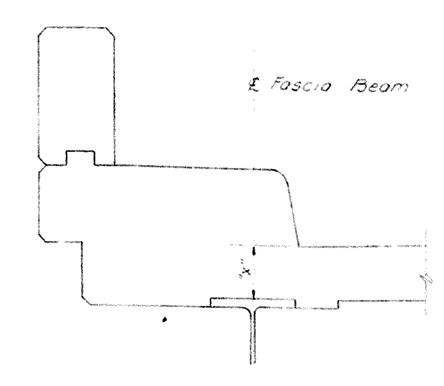
BRIDGE

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

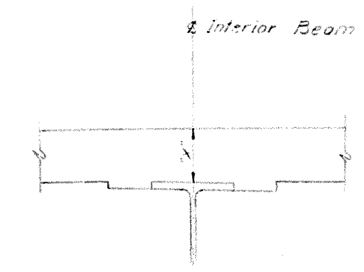


PLAN - SPANS 1, 2, 3, 4

NOTE: See Sheet 17 for Elevs. at Expansion Dams at Bent 1 & Pier 4.



DETAIL "A"



DETAIL "B"

TABLE OF ELEVATIONS FOR SETTING SLAB FORMS

	Line	1-1	2-2	3-3	4-4	5-5	6-6	7-7	8-8	9-9	10-10	11-11	12-12	13-13	14-14
Lt. G.L.	Top Conc.	1016.525	1016.609	1016.686	1016.756	1016.819	1016.876	1016.926	1016.945	1016.972	1017.018	1017.070	1017.101	1017.127	1017.190
	Top ℄ Beam	1015.980	16.049	16.112	16.168	16.207	16.228	16.242		16.327	16.350	16.453	16.500	16.528	16.560
	Dim. "X"	.545	.561	.574	.588	.612	.648	.684		.645	.668	.617	.601	.599	.630
Bm. 2	Top Conc.	1016.650	1016.732	1016.808	1016.876	1016.938	1016.993	1017.042	1017.060	1017.086	1017.131	1017.182	1017.212	1017.239	1017.301
	Top ℄ Beam	1016.098	16.163	16.222	16.287	16.343	16.386	16.410		16.505	16.510	16.591	16.624	16.645	16.670
	Dim. "X"	.552	.569	.586	.589	.595	.607	.632		.581	.621	.591	.588	.594	.631
Bm. 3	Top Conc.	1016.761	1016.863	1016.939	1017.007	1017.068	1017.124	1017.173	1017.191	1017.217	1017.261	1017.312	1017.342	1017.369	1017.430
	Top ℄ Beam	1016.220	16.289	16.371	16.440	16.490	16.520	16.548		16.620	16.627	16.728	16.768	16.800	16.829
	Dim. "X"	.561	.574	.568	.567	.578	.604	.625		.597	.634	.584	.574	.569	.601
Bm. 4	Top Conc.	1016.913	1016.995	1017.070	1017.138	1017.199	1017.254	1017.303	1017.321	1017.347	1017.391	1017.442	1017.472	1017.499	1017.560
	Top ℄ Beam	1016.360	16.428	16.490	16.550	16.600	16.632	16.661		16.750	16.765	16.868	16.904	16.930	16.960
	Dim. "X"	.553	.567	.580	.588	.599	.622	.642		.597	.626	.574	.568	.569	.600
Rt. G.L.	Top Conc.	1017.018	1017.102	1017.179	1017.248	1017.310	1017.366	1017.416	1017.435	1017.461	1017.506	1017.558	1017.589	1017.615	1017.677
	Top ℄ Beam	1016.460	16.549	16.615	16.669	16.720	16.755	16.788		16.870	16.890	16.984	17.010	17.031	17.060
	Dim. "X"	.558	.554	.564	.579	.590	.611	.628		.591	.616	.574	.579	.584	.617

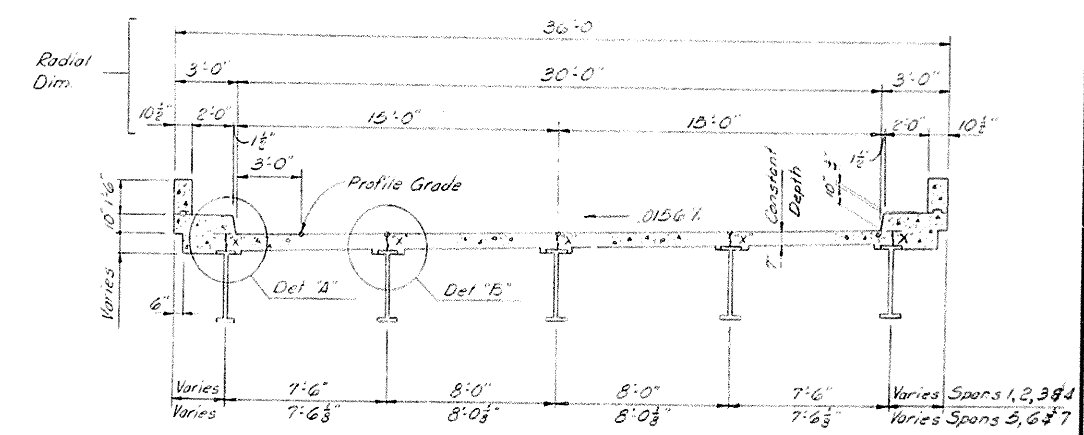
	Line	15-15	16-16	17-17	18-18	19-19	20-20	21-21	22-22	23-23	24-24	25-25	26-26	27-27	28-28
Lt. G.L.	Top Conc.	1017.261	1017.328	1017.333	1017.402	1017.463	1017.514	1017.558	1017.594	1017.625	1017.639	1017.646	1017.670	1017.700	1017.736
	Top ℄ Beam	16.700		16.720	16.810	16.888	16.959	17.007	17.038	17.047		17.118	17.060	17.142	17.165
	Dim. "X"	.561		.613	.592	.575	.555	.551	.556	.578		.528	.610	.558	.571
Bm. 2	Top Conc.	1017.371	1017.437	1017.442	1017.510	1017.570	1017.621	1017.664	1017.701	1017.731	1017.744	1017.751	1017.775	1017.805	1017.841
	Top ℄ Beam	16.807		16.818	16.905	16.980	17.027	17.059	17.071	17.083		17.152	17.136	17.247	17.305
	Dim. "X"	.564		.624	.605	.590	.594	.605	.630	.648		.599	.639	.558	.536
Bm. 3	Top Conc.	1017.500	1017.567	1017.572	1017.639	1017.699	1017.750	1017.793	1017.829	1017.859	1017.872	1017.879	1017.903	1017.933	1017.969
	Top ℄ Beam	16.972		16.981	17.058	17.126	17.171	17.210	17.222	17.224		17.288	17.269	17.380	17.439
	Dim. "X"	.528		.591	.581	.573	.579	.583	.607	.635		.591	.634	.553	.530
Bm. 4	Top Conc.	1017.630	1017.696	1017.701	1017.768	1017.828	1017.879	1017.922	1017.958	1017.988	1018.001	1018.008	1018.032	1018.061	1018.097
	Top ℄ Beam	17.085		17.090	17.185	17.268	17.330	17.380	17.410	17.429		17.489	17.448	17.530	17.565
	Dim. "X"	.545		.611	.583	.560	.549	.542	.548	.560		.519	.584	.531	.532
Rt. G.L.	Top Conc.	1017.748	1017.815	1017.820	1017.887	1017.948	1017.999	1018.042	1018.078	1018.108	1018.121	1018.128	1018.153	1018.182	1018.218
	Top ℄ Beam	17.204		17.209	17.288	17.360	17.410	17.448	17.455	17.459		17.510	17.500	17.610	17.635
	Dim. "X"	.544		.611	.599	.588	.589	.594	.623	.649		.618	.653	.572	.583

	Line	29-29	30-30	31-31	32-32	33-33	34-34	35-35	36-36	37-37	38-38	39-39	40-40	41-41	42-42
Lt. G.L.	Top Conc.	1017.780	1017.830	1017.885	1017.906	1017.945	1017.994	1018.037	1018.072	1018.101	1018.119	1018.131	1018.132	1018.139	1018.147
	Top ℄ Beam	17.206	17.181	17.291		17.302	17.369	17.432	17.479	17.500	17.500	17.499		17.560	17.578
	Dim. "X"	.580	.649	.594		.643	.625	.605	.593	.601	.619	.632		.579	.629
Bm. 2	Top Conc.	1017.884	1017.934	1017.989	1018.010	1018.049	1018.098	1018.141	1018.178	1018.206	1018.226	1018.238	1018.239	1018.246	1018.255
	Top ℄ Beam	17.366	17.370	17.510		17.503	17.560	17.603	17.639	17.648	17.648	17.640		17.695	17.630
	Dim. "X"	.518	.564	.479		.546	.538	.538	.539	.558	.578	.598		.551	.625
Bm. 3	Top Conc.	1018.012	1018.062	1018.117	1018.138	1018.177	1018.226	1018.269	1018.305	1018.334	1018.353	1018.365	1018.366	1018.373	1018.382
	Top ℄ Beam	17.489	17.490	17.620		17.620	17.685	17.740	17.780	17.792	17.792	17.788		17.849	17.779
	Dim. "X"	.523	.572	.497		.557	.541	.529	.525	.542	.561	.577		.524	.603
Bm. 4	Top Conc.	1018.140	1018.190	1018.245	1018.266	1018.305	1018.354	1018.397	1018.433	1018.461	1018.180	1018.492	1018.493	1018.500	1018.509
	Top ℄ Beam	17.592	17.579	17.689		17.680	17.732	17.781	17.820	17.839	17.841	17.831		17.890	17.869
	Dim. "X"	.548	.611	.556		.625	.622	.616	.613	.622	.639	.661		.610	.640
Rt. G.L.	Top Conc.	1018.260	1018.310	1018.365	1018.386	1018.424	1018.473	1018.515	1018.550	1018.578	1018.596	1018.607	1018.608	1018.615	1018.623
	Top ℄ Beam	17.730	17.730	17.870		17.882	17.958	18.007	18.040	18.050	18.052	18.048		18.107	18.041
	Dim. "X"	.530	.580	.495		.542	.515	.508	.510	.528	.544	.559		.508	.582

	Line	43-43	44-44	45-45	46-46	47-47	48-48	49-49	50-50	51-51	52-52	53-53	54-54	55-55
Lt. G.L.	Top Conc.	1018.164	1018.172	1018.186	1018.214	1018.248	1018.268	1018.282	1018.311	1018.334	1018.351	1018.361	1018.~~364~~ 359	1018.~~360~~ 353
	Top ℄ Beam	1017.582	17.590	17.610	17.607	17.689		17.682	17.721	17.753	17.770	17.779	17.777	17.780
	Dim. "X"	.582	.582	.576	.607	.559		.600	.590	.581	.581	.582	.582	.573
Bm. 2	Top Conc.	1018.273	1018.281	1018.296	1018.324	1018.360	1018.380	1018.395	1018.425	1018.449	1018.467	1018.479	1018.~~482~~ 477	1018.~~481~~ 475
	Top ℄ Beam	17.689	17.709	17.708	17.700	17.774		17.766	17.801	17.834	17.861	17.882	17.889	17.890
	Dim. "X"	.584	.572	.588	.624	.586		.629	.624	.615	.606	.597	.588	.585
Bm. 3	Top Conc.	1018.400	1018.408	1018.422	1018.451	1018.486	1018.506	1018.521	1018.552	1018.576	1018.593	1018.605	1018.~~889~~ 604	1018.~~802~~ 601
	Top ℄ Beam	17.821	17.832	17.845	17.831	17.900		17.890	17.930	17.968	17.999	18.020	18.030	18.040
	Dim. "X"	.579	.576	.577	.620	.586		.631	.622	.608	.594	.585	.574	.561
Bm. 4	Top Conc.	1018.527	1018.535	1018.549	1018.578	1018.613	1018.633	1018.648	1018.678	1018.702	1018.720	1018.731	1018.~~785~~ 730	1018.~~789~~ 728
	Top ℄ Beam	17.948	17.965	17.990	17.991	18.080		18.063	18.100	18.125	18.129	18.126	18.140	18.148
	Dim. "X"	.579	.570	.559	.587	.533		.585	.578	.577	.591	.605	.590	.580
Rt. G.L.	Top Conc.	1018.639	1018.647	1018.661	1018.688	1018.722	1018.742	1018.756	1018.785	1018.808	1018.824	1018.833	1018.~~886~~ 831	1018.~~838~~ 827
	Top ℄ Beam	18.088	18.088	18.090	18.070	18.130		18.119	18.170	18.206	18.232	18.262	18.290	18.290
	Dim. "X"	.551	.559	.571	.618	.592		.637	.615	.602	.592	.571	.541	.537

NOTE

1. 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 ℄ Beam."
2. Compute Dimension X as follows: "Top Concrete" Elevations minus "Top ℄ Beam" Elevations equals Dimension X.
3. "Top Concrete" Elevations include camber due to weight of concrete slab.
4. For setting templates measure Dimension X above top of steel for top of template. Do not set templates by elevations.
5. Construct handrail plinth to sidewalk grade. Do not add camber to handrail plinth.
6. Temporary support or shoring will not be permitted under the steel beams when pouring the concrete floor slab or when taking elevations for "Top of Beam."



TYPICAL SECTION THRU DECK

For Dead Load Deflections see Sheet 27

SOUTHBOUND ELEVATIONS

US 27, L & N RR & LIMESTONE ST. SHEET 26 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE-LEXINGTON
ROAD

STATION 289 + 53.0 **PROJECT NO.** I 64-4(2)71

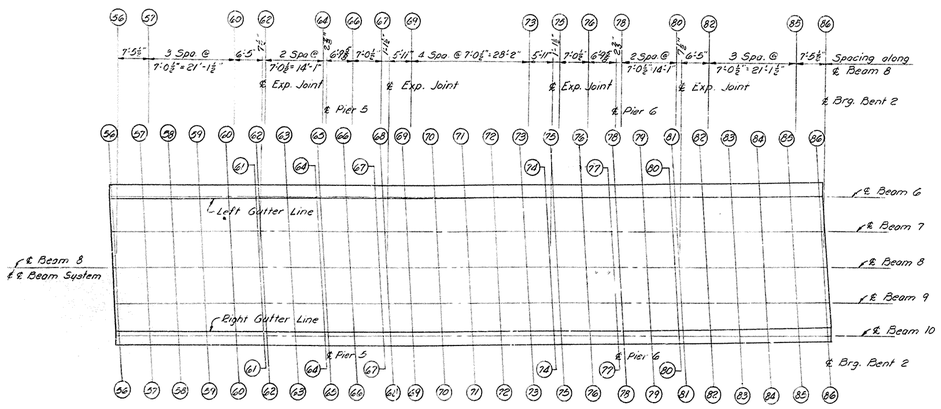
BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

DESIGNED BY RAD CHECKED BY HMW DATE 8-2-61 | REVISED Elevations DATE 11-21-63
DETAILED BY D.R.S. CHECKED BY RAD DATE 9-27-61 | REVISED Steel elev & Dimension "X" L.M.E. DATE 4-27-64
TRACED BY CHECKED BY DATE | REVISED DATE

SP. 34-SCX-18BV

BRIDGE

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

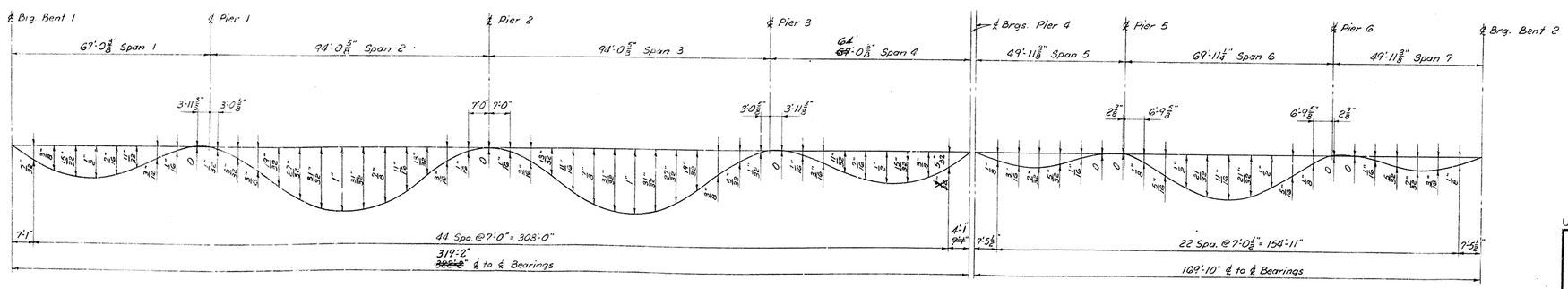


PLAN-SPANS 5, 6, 7

NOTE: Work this sheet with sheet 26 for notes, section thru deck and Details

TABLE OF ELEVATIONS FOR SETTING SLAB FORMS

	Line	(56)-(56)	(57)-(57)	(58)-(58)	(59)-(59)	(60)-(60)	(61)-(61)	(62)-(62)	(63)-(63)	(64)-(64)	(65)-(65)	(66)-(66)	(67)-(67)	(68)-(68)	(69)-(69)	(70)-(70)	(71)-(71)	(72)-(72)	(73)-(73)	(74)-(74)	(75)-(75)	(76)-(76)	(77)-(77)	(78)-(78)	(79)-(79)	(80)-(80)	(81)-(81)	(82)-(82)	(83)-(83)	(84)-(84)	(85)-(85)	(86)-(86)
Lt. G.L.	Top Conc.	1018.~~357~~	1018.~~382~~	1018.~~401~~	1018.~~416~~	1018.~~421~~	1018.~~423~~	1018.~~424~~	1018.~~427~~	1018.~~434~~	1018.~~434~~	1018.~~451~~	1018.~~471~~	1018.475	1018.491	1018.506	1018.511	1018.507	1018.495	1018.479	1018.476	1018.457	1018.~~443~~	1018.~~443~~	1018.~~439~~	1018.~~438~~	1018.~~439~~	1018.~~438~~	1018.~~435~~	1018.~~424~~	1018.~~407~~	1018.~~384~~
	Top & Beam	1017.771	1017.773	1017.763	1017.751	1017.768		1017.766	1017.795		1017.776	1017.771		1017.906	1017.901	1017.931	1017.941	1017.811	1017.783		1017.799	1017.771		1017.796	1017.801		1017.811	1017.801	1017.789	1017.791	1017.783	1017.771
	Dim. "X"	.586	.609	.633	.633	.626		.659	.642		.659	.680		.669	.650	.615	.670	.696	.712		.677	.666		.657	.638		.626	.637	.646	.633	.624	.613
Brn. 7	Top Conc.	1018.~~479~~	1018.~~501~~	1018.~~520~~	1018.~~532~~	1018.~~539~~	1018.~~540~~	1018.~~541~~	1018.~~543~~	1018.~~550~~	1018.~~550~~	1018.~~566~~	1018.~~587~~	1018.591	1018.607	1018.621	1018.626	1018.622	1018.610	1018.594	1018.591	1018.572	1018.~~557~~	1018.~~557~~	1018.~~555~~	1018.~~555~~	1018.~~556~~	1018.~~555~~	1018.~~552~~	1018.~~549~~	1018.~~540~~	1018.~~524~~
	Top & Beam	1017.861	1017.867	1017.883	1017.897	1017.890		1017.900	1017.871		1017.904	1017.903		1017.941	1017.950	1017.991	1017.981	1017.978	1017.936		1017.931	1017.888		1017.891	1017.902		1017.906	1017.900	1017.896	1017.905	1017.908	1017.881
	Dim. "X"	.597	.632	.637	.633	.626		.641	.652		.646	.663		.650	.657	.630	.645	.644	.674		.660	.684		.608	.653		.650	.655	.656	.637	.618	.623
Brn. 8	Top Conc.	1018.~~604~~	1018.~~627~~	1018.~~646~~	1018.~~658~~	1018.~~664~~	1018.~~666~~	1018.~~667~~	1018.~~669~~	1018.~~675~~	1018.~~676~~	1018.~~692~~	1018.~~712~~	1018.716	1018.732	1018.746	1018.751	1018.747	1018.735	1018.719	1018.716	1018.697	1018.~~684~~	1018.~~684~~	1018.~~680~~	1018.~~680~~	1018.~~681~~	1018.~~680~~	1018.~~676~~	1018.~~666~~	1018.~~650~~	1018.~~628~~
	Top & Beam	1018.041	1018.031	1018.031	1018.027	1018.041		1018.041	1018.041		1018.031	1018.021		1018.090	1018.096	1018.089	1018.110	1018.116	1018.081		1018.091	1018.039		1018.036	1018.031		1018.022	1018.041	1018.041	1018.044	1018.049	1018.016
	Dim. "X"	.563	.596	.615	.639	.625		.639	.661		.644	.671		.636	.696	.657	.641	.631	.654		.625	.658		.648	.649		.652	.639	.635	.622	.601	.612
Brn. 9	Top Conc.	1018.~~730~~	1018.~~753~~	1018.~~772~~	1018.~~783~~	1018.~~790~~	1018.~~791~~	1018.~~792~~	1018.~~794~~	1018.~~800~~	1018.~~801~~	1018.~~817~~	1018.~~837~~	1018.841	1017.857	1018.871	1018.876	1018.872	1018.859	1018.844	1018.841	1018.822	1018.~~809~~	1018.~~808~~	1018.~~804~~	1018.~~801~~	1018.~~805~~	1018.~~804~~	1018.~~801~~	1018.~~791~~	1018.~~775~~	1018.~~755~~
	Top & Beam	1018.131	1018.129	1018.171	1018.181	1018.171		1018.166	1018.169		1018.171	1018.161		1018.201	1018.211	1018.220	1018.266	1018.271	1018.229		1018.228	1018.183		1018.188	1018.181		1018.172	1018.163	1018.160	1018.150	1018.149	1018.141
	Dim. "X"	.599	.594	.601	.602	.619		.626	.625		.630	.656		.640	.646	.621	.610	.601	.630		.613	.639		.620	.623		.633	.641	.641	.641	.626	.612
Pl. G.L.	Top Conc.	1018.~~829~~	1018.~~853~~	1018.~~872~~	1018.~~885~~	1018.~~891~~	1018.~~893~~	1018.~~894~~	1018.~~897~~	1018.~~903~~	1018.~~903~~	1018.~~920~~	1018.~~940~~	1018.944	1018.960	1018.974	1018.979	1018.975	1018.963	1018.946	1018.943	1018.924	1018.~~909~~	1018.~~910~~	1018.~~905~~	1018.~~905~~	1018.~~906~~	1018.~~905~~	1018.~~900~~	1018.~~890~~	1018.~~873~~	1018.~~849~~
	Top & Beam	1018.263	1018.265	1018.256	1018.252	1018.265		1018.271	1018.281		1018.271	1018.271		1018.323	1018.331	1018.367	1018.369	1018.352	1018.310		1018.306	1018.271		1018.280	1018.267		1018.268	1018.265	1018.253	1018.261	1018.261	1018.266
	Dim. "X"	.566	.588	.616	.633	.622		.633	.616		.632	.649		.621	.629	.607	.610	.623	.653		.637	.653		.630	.638		.638	.640	.647	.628	.612	.582



DEAD LOAD DEFLECTIONS

NOTE: Longitudinal dimensions are spaced along the ℄ of beams.

SOUTHBOUND ELEVATIONS

US 27, L & N RR & LIMESTONE ST. SHEET 27 OF 27

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
FAYETTE
LOUISVILLE - LEXINGTON
ROAD

STATION 289 + 53.0 PROJECT NO. I 64-4(2)71

BRIDGE NUMBER | DRAWING NO. 15046 | INDEX

DEP'T. ENG. BY RAL DATE 11-27-63
DETAILED BY DRS
TRACED BY
CHECKED BY MWW DATE 2-25-64
CHECKED BY RRD DATE 3-27-64
CHECKED BY
REVISED Elevations
REVISED
REVISED