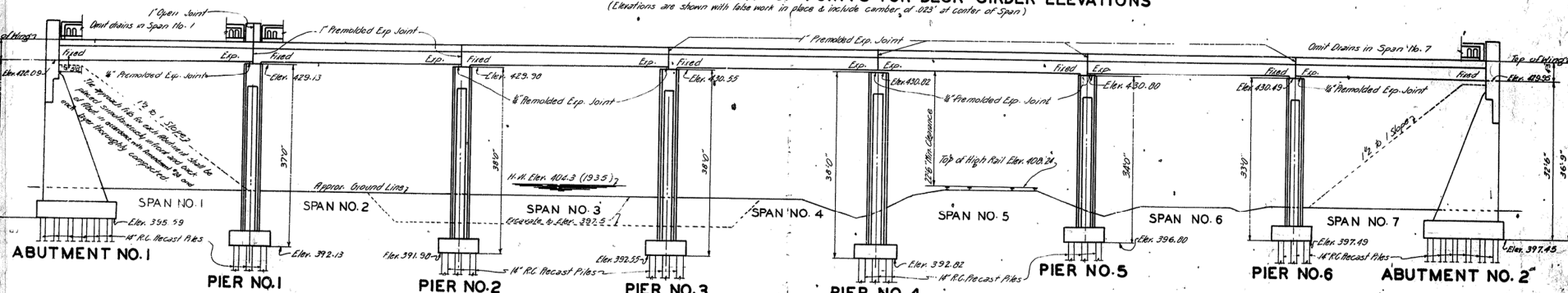


TABLE OF ELEVATIONS FOR DECK GIRDER SPANS																													
Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.	Point No.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
431.67	431.71	431.75	431.79	431.83	431.87	431.91	431.95	431.99	432.03	432.07	432.11	432.15	432.19	432.23	432.27	432.31	432.35	432.39	432.43	432.47	432.51	432.55	432.59	432.63	432.67	432.71	432.75	432.79	432.83
431.67	431.71	431.75	431.79	431.83	431.87	431.91	431.95	431.99	432.03	432.07	432.11	432.15	432.19	432.23	432.27	432.31	432.35	432.39	432.43	432.47	432.51	432.55	432.59	432.63	432.67	432.71	432.75	432.79	432.83

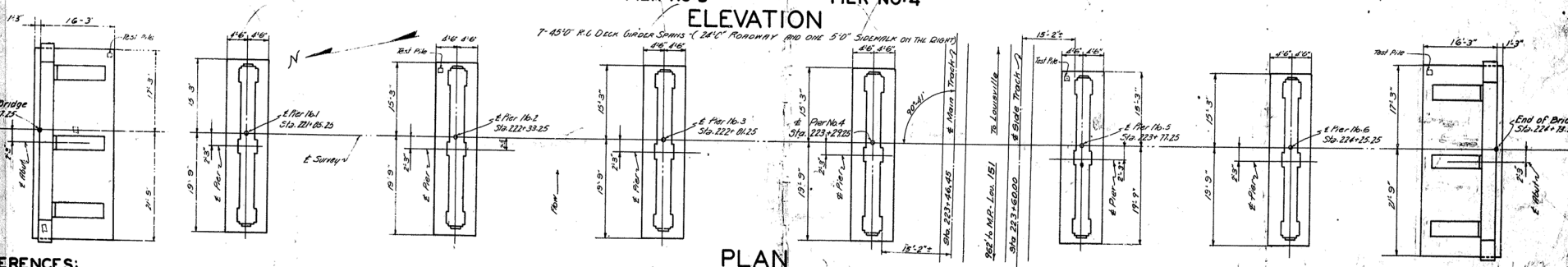
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KY.				

PILING CUT OFF ELEVATIONS	
	<i>Elevations</i>
<i>Abutment No. 1</i>	396.09
<i>Abutment No. 2</i>	397.95
<i>Pier No. 1</i>	392.63
" 2	392.48
" 3	393.05
" 4	393.32
" 5	397.30
" 6	397.99

SHOWING LOCATION OF POINTS FOR DECK GIRDER ELEVATIONS
(Elevations are shown with false part in place & include camber of .025" at center of span)



ELEVATION



PLAN

(With Superstructure Removed)

GENERAL NOTE

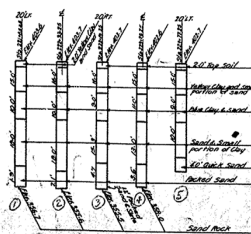
SPECIFICATIONS: State Highway Department Kentucky, (1932 Standard with subsequent adopted amendments.)
CONCRETE: Class A concrete to be used throughout except in Handrail & Bats.
REINFORCEMENT: to be deformed bars. Dimension shown from the face of concrete is the clear distance. Dimensions shown for bar spacing are the distances c/c of bars.
CASTING: All reinforcement shall be securely held in correct position by means of precast, timber or concrete or concrete blocks and wired at all intersections.
PRECAST: precast or concrete blocks supporting reinforcement shall be spaced not farther apart than 30" diameters of the supported bar.
JOINTS: A temporary joint may be made in concrete. The price for these joints to be included in unit price bid for Class A concrete.

WARNING SURFACES: 14" Monolithic concrete wearing surface placed and finished in accordance with Specifications.
BEVELLED CORNERS: All exposed corners to be beveled with 70° triangular moulding unless otherwise shown.
PILES: Piles to be driven to refusal or to a depth of 20 ft. per pile. 14" concrete test piles to determine length of piling required shall be driven at locations shown in the Plan on this sheet. Test Piles shall be accurately located so as to be used as bearing piles in the finished structure.
DESIGN LOADS: Bridge designed for H-15 loading as specified in A.R.A.H. Spec. 1932.
STANDARD DATA: The subsurface data shown herein was obtained by borings at the locations indicated and represents the best information available to the Department of Highways as to conditions existing at the site of work. This data is furnished for information only and does not constitute a warranty or guarantee as to the accuracy of data furnished or as to conditions which will actually be found when the work is being executed.

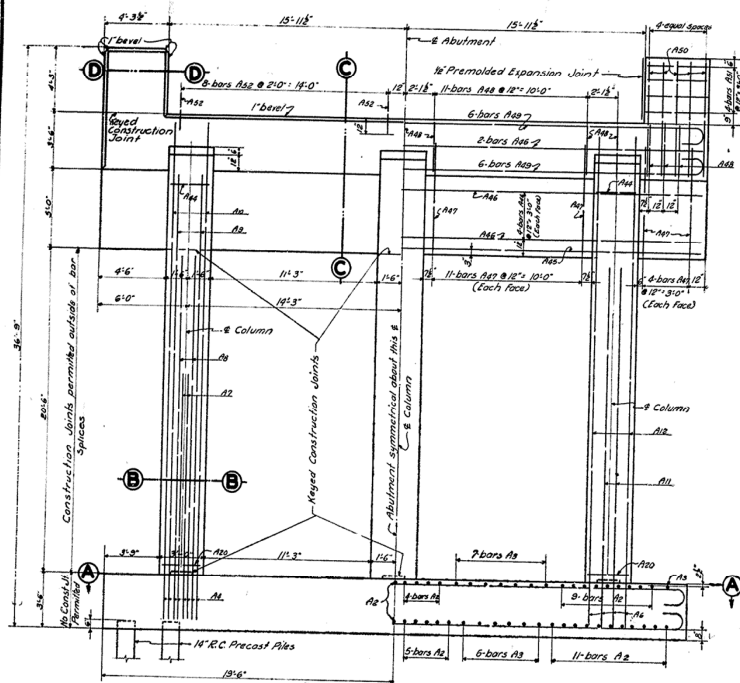
TOTAL ESTIMATE OF QUANTITIES

Concrete Class "A"	16014
Concrete Class "B"	4800
Reinforcement	307750
Expansion Plates (Class "B" Bronze)	2049
14" R.C. Precast Piles	10330
Shoring (Unclassified)	1370
Excavation (Channel Change)	

BORINGS



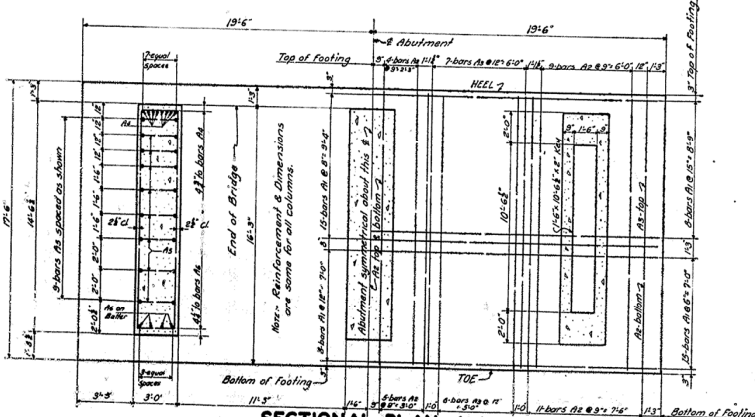
I.C. RAILROAD OVERHEAD		SHEET No. 1015	
COMMONWEALTH OF KENTUCKY			
STATE HIGHWAY DEPARTMENT			
FRANKFORT COUNTY			
HOPKINS			
NORTONVILLE VIADUCT			
ROAD			
STATION 223+05.25			
PROJECT NO. H-15			
54-1180-34-4			



FRONT ELEVATION

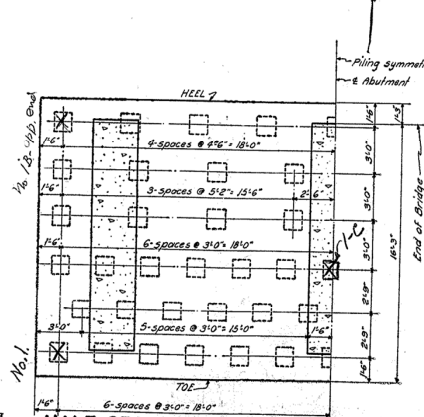
(SHOWING DIMENSIONS, DONNELS & REINFORCEMENT IN BRICK FACE OF COLUMN)

NOTE: - C SURVEY OFFSET FROM C ABUTMENT 2'-3" - SEE LAYOUT SHEET NO. 1



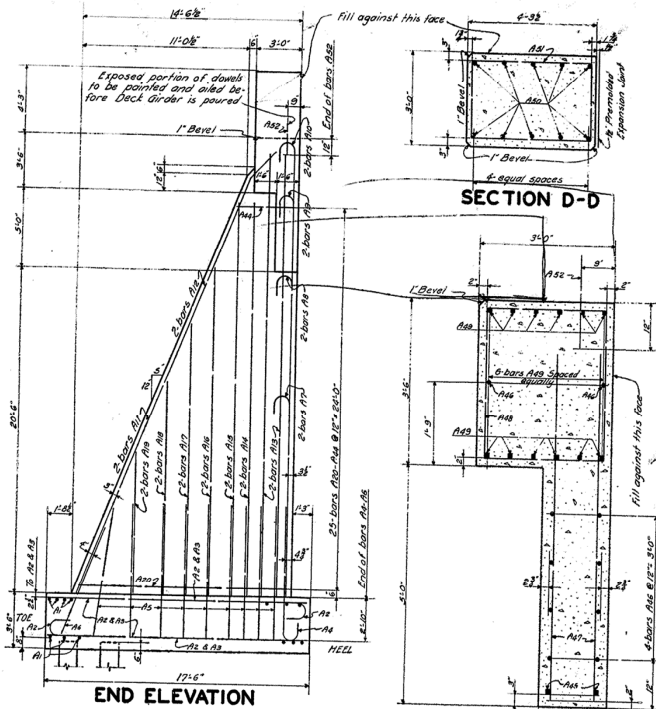
SECTIONAL PLAN A-A

(SHOWING DIMENSIONS & DONNELS IN FOOTING)

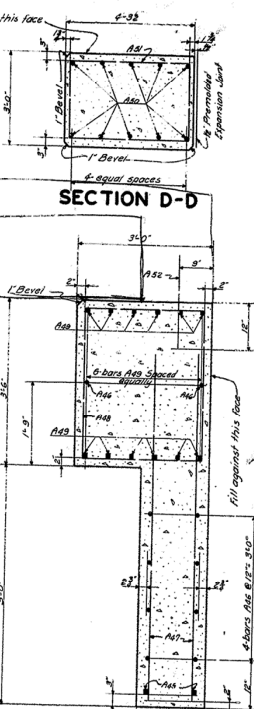


HALF SECTIONAL PLAN A-A

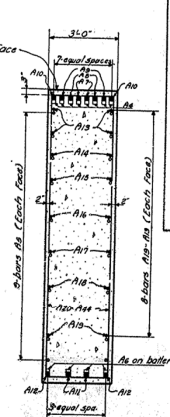
SHOWING SPACING OF PILES (63-14' RC PRECAST PILES REQUIRED FOR ONE ABUTMENT) (FOR DETAILS OF 14' RC PRECAST PILES SEE STANDARD DRAWING # P-2)



END ELEVATION

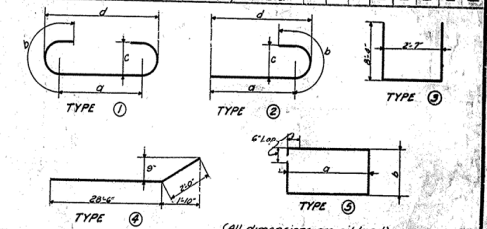


SECTION C-C



SECTION B-B

BILL & TYPES OF REINFORCEMENT (FOR ONE ABUTMENT)									
MARK	TYPE	NO.	SIZE	LENGTH	LOCATION	a	b	c	d
A1	1	46	18"	41'	Footings	37	9	1	0
A2	2	60	3/4"	18'	0	16	10	1	2
A3	3	26	1/2"	17'	2	7	10	1	0
A4	4	24	1/2"	17'	2	7	10	1	0
A5	5	12	1/2"	18'	11	2	10	1	0
A6	6	12	1/2"	18'	11	2	10	1	0
A7	7	6	1/2"	14'	0	12	1	10	1
A8	8	6	1/2"	21'	6	19	8	1	0
A9	9	6	1/2"	26'	6	24	8	1	0
A10	10	6	1/2"	30'	0	28	2	1	0
A11	11	6	1/2"	17'	0	28	2	1	0
A12	12	6	1/2"	30'	6	28	2	1	0
A13	13	6	1/2"	24'	0	28	2	1	0
A14	14	6	1/2"	24'	0	28	2	1	0
A15	15	6	1/2"	24'	0	28	2	1	0
A16	16	6	1/2"	21'	3	28	2	1	0
A17	17	6	1/2"	17'	7	28	2	1	0
A18	18	6	1/2"	14'	0	28	2	1	0
A19	19	6	1/2"	33'	8	28	2	1	0
A20	20	6	1/2"	33'	8	28	2	1	0
A21	21	3	32'	10	13	10	2	8	1
A22	22	3	32'	0	13	5	2	8	1
A23	23	3	32'	0	13	0	2	8	1
A24	24	3	31'	2	12	7	2	8	1
A25	25	3	29'	6	12	2	2	8	1
A26	26	3	28'	8	11	5	2	8	1
A27	27	3	27'	10	11	2	2	8	1
A28	28	3	27'	0	10	6	2	8	1
A29	29	3	26'	2	10	1	2	8	1
A30	30	3	25'	4	9	8	2	8	1
A31	31	3	24'	6	8	5	2	8	1
A32	32	3	23'	8	8	10	2	8	1
A33	33	3	22'	10	8	5	2	8	1
A34	34	3	22'	0	8	0	2	8	1
A35	35	3	21'	2	7	2	2	8	1
A36	36	3	20'	4	6	6	2	8	1
A37	37	3	19'	6	6	5	2	8	1
A38	38	3	18'	8	6	5	2	8	1
A39	39	3	17'	10	5	11	2	8	1
A40	40	3	17'	0	5	6	2	8	1
A41	41	3	16'	2	4	8	2	8	1
A42	42	3	15'	4	4	8	2	8	1
A43	43	3	14'	6	3	8	2	8	1
A44	44	3	13'	8	3	10	2	8	1
A45	45	2	10'	40'	0	10	2	8	1
A46	46	10	30'	40'	0	10	2	8	1
A47	47	60	3/4"	7'	0	10	2	8	1
A48	48	30	1/2"	12'	4	3	2	8	1
A49	49	12	1/2"	62'	2	39	2	7	0
A50	50	20	1/2"	7'	5	Wings	4	0	2
A51	51	8	1/2"	13'	8	4	0	2	6
A52	52	16	1/2"	2'	0	Don'ts, Cap into D.C.	4	0	2



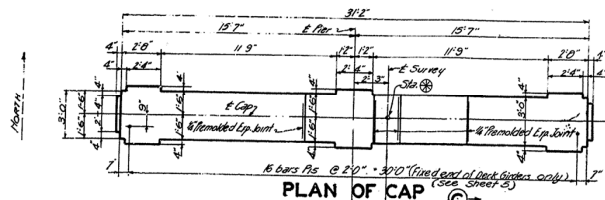
ESTIMATE OF QUANTITIES (FOR ONE ABUTMENT)		
Concrete, Class A	194.3	Cu/Yds
Reinforcement	26660	Lbs.
63-14' RC Precast Piles	2520	Lin. Ft.

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF

HOPKINS
NORTONVILLE VIADUCT

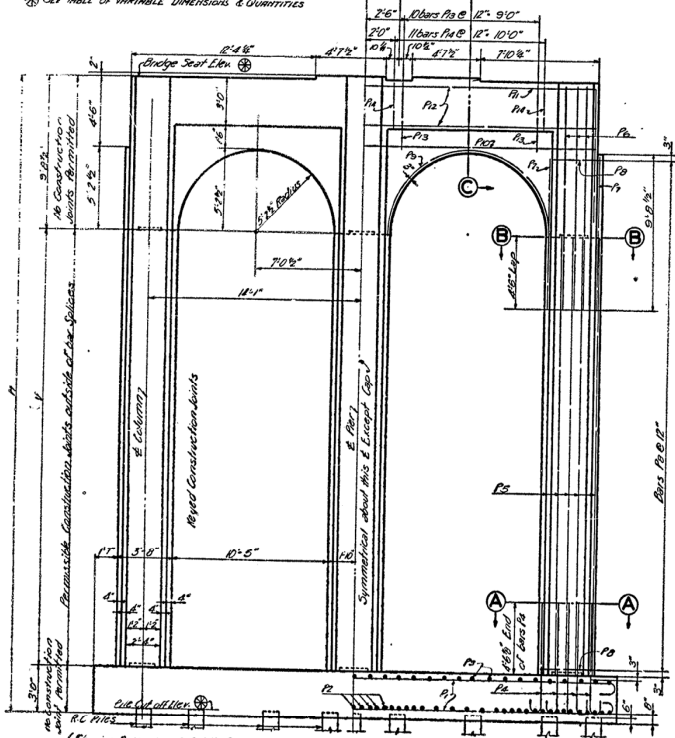
ROAD
STATION 222.05.25 PROJECT NO.
54-1180-OH-4 - 6622

DETAILS OF ABUTMENTS No's 1 & 2



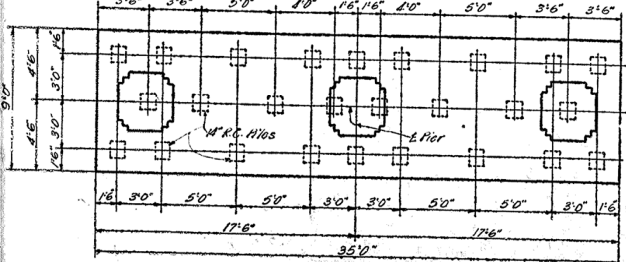
PLAN OF CAP

See Table of Variable Dimensions & Quantities



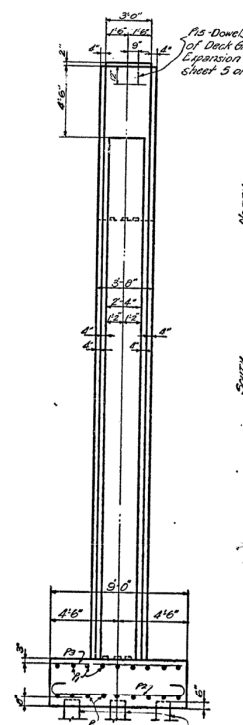
SIDE ELEVATION

(Looking North)

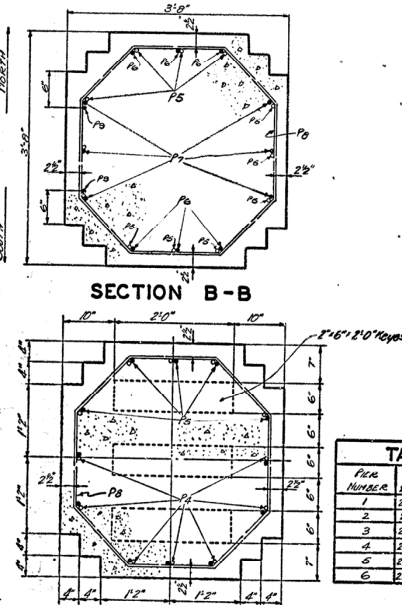


PLAN OF FOOTING

(26 R.C. Piles Required for One Pier)

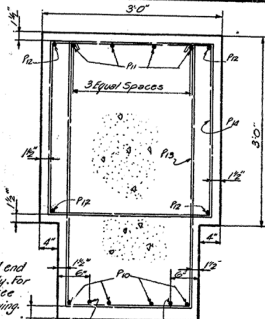


END ELEVATION



SECTION A-A

(Showing Reinforcement & Tied Construction Joints)



SECTION C-C

P10 Bars on fixed end of Deck Borders only. For Expansion details See Sheet 5 of this drawing.

BILL AND TYPES OF REINFORCEMENT FOR ONE PIER

MARK	TYPE	NO.	SIZE	LENGTH	LOCATION
P1	(1)	26	1/2"	37' 1"	Footings
P2	(2)	59	3/8"	10' 8"	"
P3	Str	35	5/8"	8' 9"	"
P4	(3)	36	1"	7' 11"	Footings into Columns
P5	Str	36	"	"	Columns
P6	"	18	"	14' 0"	"
P7	"	18	"	9' 6"	"
P8	(4)	4	5/8"	11' 6"	"
P9	(5)	4	1 1/2"	26' 6"	Web
P10	Str	4	"	30' 10"	Cap
P11	(6)	4	"	(48' 2")	Cap
P12	Str	4	3/8"	30' 10"	"
P13	(7)	20	5/8"	10' 9"	"
P14	(8)	22	"	11' 2"	"
P15	Str	"	3/8"	2' 0"	Details into Cap - for Deck Borders

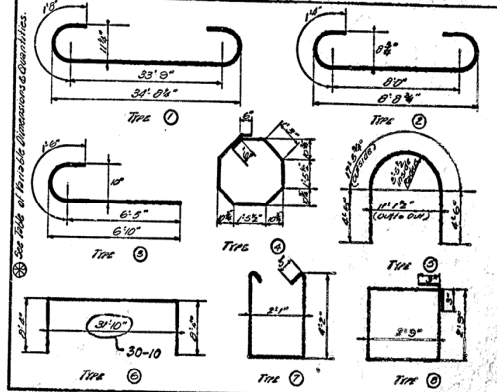


TABLE OF VARIABLE DIMENSIONS AND QUANTITIES													
Pier Number	Span from Pile to Pile	Cap Length	Deck Length	11	12	13	14	15	16	17	18	19	20
1	224.85.25	393.63	429.13	37' 0"	24' 3 1/2"	24' 3"	24' 3"	24' 3"	24' 3"	24' 3"	24' 3"	24' 3"	24' 3"
2	222.33.25	392.48	429.98	38' 0"	25' 3 1/2"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"
3	222.04.25	393.65	430.55	38' 0"	25' 3 1/2"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"
4	223.29.25	393.32	430.02	38' 0"	25' 3 1/2"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"	25' 3"
5	223.77.25	397.30	430.00	38' 0"	21' 3 1/2"	21' 3"	21' 3"	21' 3"	21' 3"	21' 3"	21' 3"	21' 3"	21' 3"
6	224.25.25	397.99	430.49	33' 0"	20' 3 1/2"	20' 3"	20' 3"	20' 3"	20' 3"	20' 3"	20' 3"	20' 3"	20' 3"

DETAILS OF PIERS NOS. 1, 2, 3, 4, 5 & 6

1.6 RAILROAD OVERHEAD

Sheet 3 of 5

COMMONWEALTH OF KENTUCKY

STATE HIGHWAY DEPARTMENT

COUNTY OF

HOPKINS

NORTONVILLE VIADUCT

ROAD

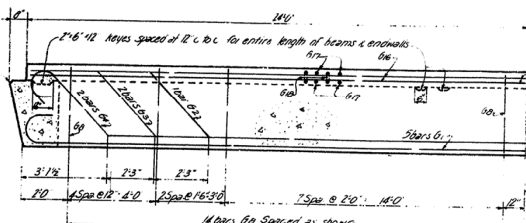
STATION 223+05.25

PROJECT NO.

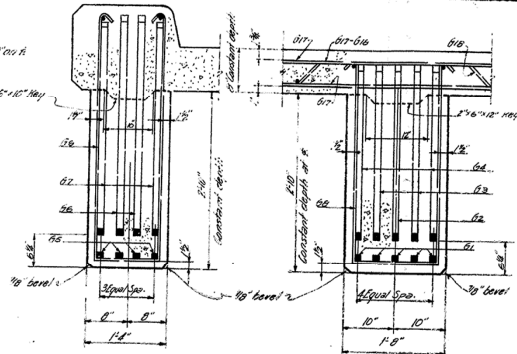
54-1180-CH-4

DATE

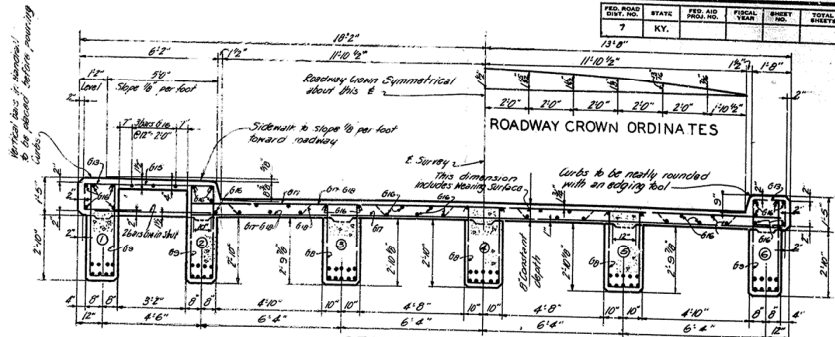
2-6-22



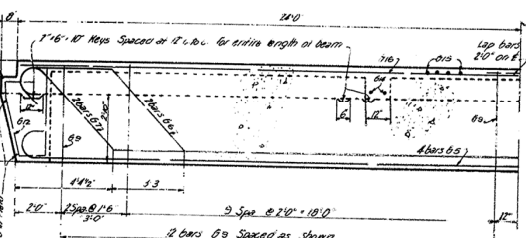
SECTION ON BEAM NO. 3-4 OR 5
(Reinforcement & Dimensions same for beams Nos. 3-4 & 5)



TYPICAL BEAM SECTION
(for beams Nos. 1-2 & 6)



SECTION A+A

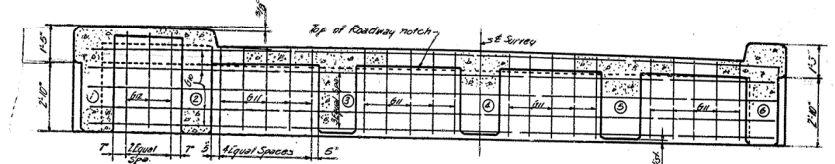


SECTION ON BEAM NO. 2

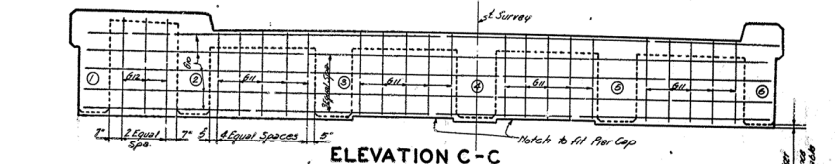
BILL & TYPES OF REINFORCEMENT

Bar	Type	No.	Size	Length	Location	Qty	Weight
01	1	18	1/2"	30	Beams Nos. 3-4 & 5	31	9.4
02	2	3	1/2"	52	"	36	2.6
03	3	6	1/2"	51	"	36	2.6
04	4	6	1/2"	51	"	36	2.6
05	5	12	1/2"	50	Beams Nos. 1-2 & 6	-	-
06	6	6	1/2"	52	"	-	-
07	7	6	1/2"	52	"	-	-
08	8	24	1/2"	8	Beams Nos. 3-4 & 5	-	-
09	9	12	1/2"	9	"	-	-
10	10	20	1/2"	30	Endwall	-	-
11	11	40	1/2"	7	"	3	2.2
12	12	6	1/2"	8	"	3	9.3
13	13	40	1/2"	5	Curbs	-	-
14	14	4	1/2"	5	under Sidewalk	-	-
15	15	91	1/2"	5	Sidewalk	-	-
16	16	88	1/2"	14	Slab	-	-
17	17	92	1/2"	26	"	-	-
18	18	45	1/2"	27	"	-	-

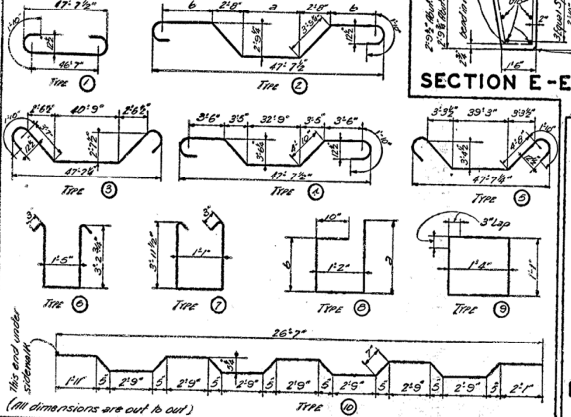
SECTION D-D



SECTION B-B



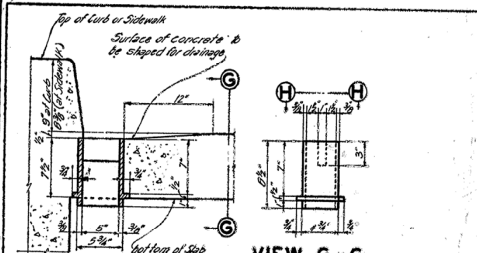
ELEVATION C-C



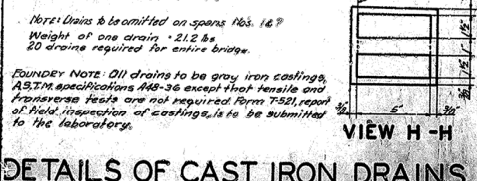
ESTIMATE OF QUANTITIES

	Concrete Class II	Reinforcement	Bronze Exp. Plates
For the OVERBRIDGE SPAN	95.1	22370	567
For One End Span	96.3	22370	567

DETAILS OF 45'-0" R.C. DECK GIRDER SPAN



PART SECTION A-A



VIEW G-G

OFFSET DISTANCES AT FACE OF ENDWALLS

Span No. 1 of Abut. No. 1	Span 1	Span 2	Span 3	Span 4	Span 5	Span 6
0"	0"	0"	18"	18"	18"	0"
1"	1"	1"	18"	18"	18"	0"
2"	2"	2"	18"	18"	18"	0"
3"	3"	3"	18"	18"	18"	0"
4"	4"	4"	18"	18"	18"	0"
5"	5"	5"	18"	18"	18"	0"
6"	6"	6"	18"	18"	18"	0"
7"	7"	7"	18"	18"	18"	0"
8"	8"	8"	18"	18"	18"	0"
9"	9"	9"	18"	18"	18"	0"
10"	10"	10"	18"	18"	18"	0"
11"	11"	11"	18"	18"	18"	0"
12"	12"	12"	18"	18"	18"	0"
13"	13"	13"	18"	18"	18"	0"
14"	14"	14"	18"	18"	18"	0"
15"	15"	15"	18"	18"	18"	0"
16"	16"	16"	18"	18"	18"	0"
17"	17"	17"	18"	18"	18"	0"
18"	18"	18"	18"	18"	18"	0"
19"	19"	19"	18"	18"	18"	0"
20"	20"	20"	18"	18"	18"	0"
21"	21"	21"	18"	18"	18"	0"
22"	22"	22"	18"	18"	18"	0"
23"	23"	23"	18"	18"	18"	0"
24"	24"	24"	18"	18"	18"	0"
25"	25"	25"	18"	18"	18"	0"
26"	26"	26"	18"	18"	18"	0"
27"	27"	27"	18"	18"	18"	0"
28"	28"	28"	18"	18"	18"	0"
29"	29"	29"	18"	18"	18"	0"
30"	30"	30"	18"	18"	18"	0"
31"	31"	31"	18"	18"	18"	0"
32"	32"	32"	18"	18"	18"	0"
33"	33"	33"	18"	18"	18"	0"
34"	34"	34"	18"	18"	18"	0"
35"	35"	35"	18"	18"	18"	0"
36"	36"	36"	18"	18"	18"	0"
37"	37"	37"	18"	18"	18"	0"
38"	38"	38"	18"	18"	18"	0"
39"	39"	39"	18"	18"	18"	0"
40"	40"	40"	18"	18"	18"	0"
41"	41"	41"	18"	18"	18"	0"
42"	42"	42"	18"	18"	18"	0"
43"	43"	43"	18"	18"	18"	0"
44"	44"	44"	18"	18"	18"	0"
45"	45"	45"	18"	18"	18"	0"
46"	46"	46"	18"	18"	18"	0"
47"	47"	47"	18"	18"	18"	0"
48"	48"	48"	18"	18"	18"	0"
49"	49"	49"	18"	18"	18"	0"
50"	50"	50"	18"	18"	18"	0"
51"	51"	51"	18"	18"	18"	0"
52"	52"	52"	18"	18"	18"	0"
53"	53"	53"	18"	18"	18"	0"
54"	54"	54"	18"	18"	18"	0"
55"	55"	55"	18"	18"	18"	0"
56"	56"	56"	18"	18"	18"	0"
57"	57"	57"	18"	18"	18"	0"
58"	58"	58"	18"	18"	18"	0"
59"	59"	59"	18"	18"	18"	0"
60"	60"	60"	18"	18"	18"	0"
61"	61"	61"	18"	18"	18"	0"
62"	62"	62"	18"	18"	18"	0"
63"	63"	63"	18"	18"	18"	0"
64"	64"	64"	18"	18"	18"	0"
65"	65"	65"	18"	18"	18"	0"
66"	66"	66"	18"	18"	18"	0"
67"	67"	67"	18"	18"	18"	0"
68"	68"	68"	18"	18"	18"	0"
69"	69"	69"	18"	18"	18"	0"
70"	70"	70"	18"	18"	18"	0"
71"	71"	71"	18"	18"	18"	0"
72"	72"	72"	18"	18"	18"	0"
73"	73"	73"	18"	18"	18"	0"
74"	74"	74"	18"	18"	18"	0"
75"	75"	75"	18"	18"	18"	0"
76"	76"	76"	18"	18"	18"	0"
77"	77"	77"	18"	18"	18"	0"
78"	78"	78"	18"	18"	18"	0"
79"	79"	79"	18"	18"	18"	0"
80"	80"	80"	18"	18"	18"	0"
81"	81"	81"	18"	18"	18"	0"
82"	82"	82"	18"	18"	18"	0"
83"	83"	83"	18"	18"	18"	0"
84"	84"	84"	18"	18"	18"	0"
85"	85"	85"	18"	18"	18"	0"
86"	86"	86"	18"	18"	18"	0"
87"	87"	87"	18"	18"	18"	0"
88"	88"	88"	18"	18"	18"	0"
89"	89"	89"	18"	18"	18"	0"
90"	90"	90"	18"	18"	18"	0"
91"	91"	91"	18"	18"	18"	0"
92"	92"	92"	18"	18"	18"	0"
93"	93"	93"	18"	18"	18"	0"
94"	94"	94"	18"	18"	18"	0"
95"	95"	95"	18"	18"	18"	0"
96"	96"	96"	18"	18"	18"	0"
97"	97"	97"	18"	18"	18"	0"
98"	98"	98"	18"	18"	18"	0"
99"	99"	99"	18"	18"	18"	0"
100"	100"	100"	18"	18"	18"	0"

COMMONWEALTH OF KENTUCKY
STATE HIGHWAY DEPARTMENT
FRANKFORT
COUNTY OF
HOPKINS
NORTONVILLE VIADUCT
STATION 223+05.25
PROJECT NO. 64-1180-OH-4
SHEET 4 OF 5