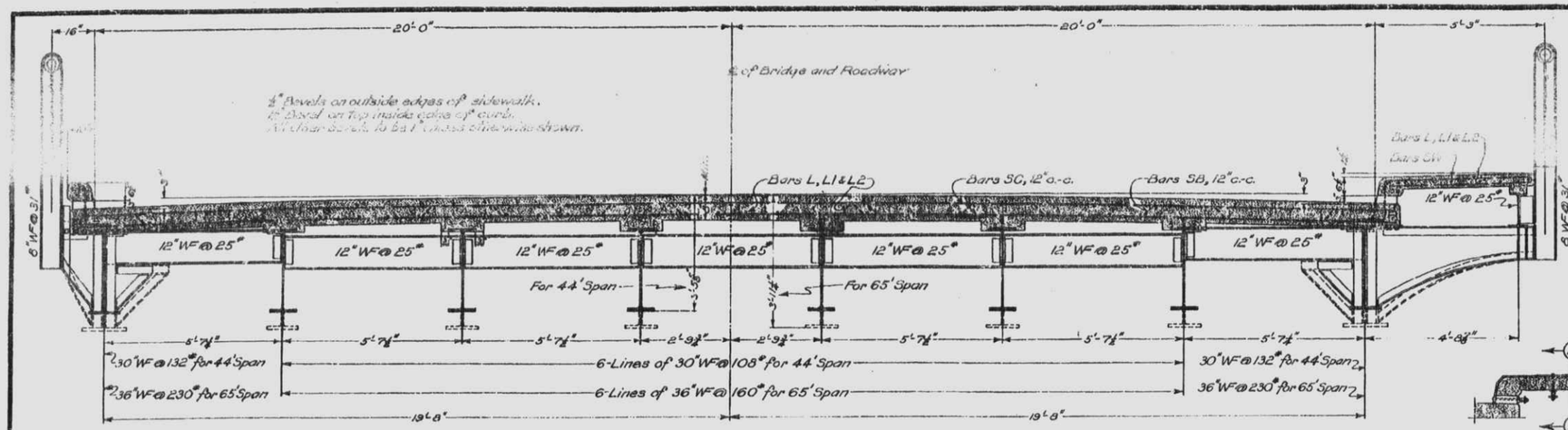
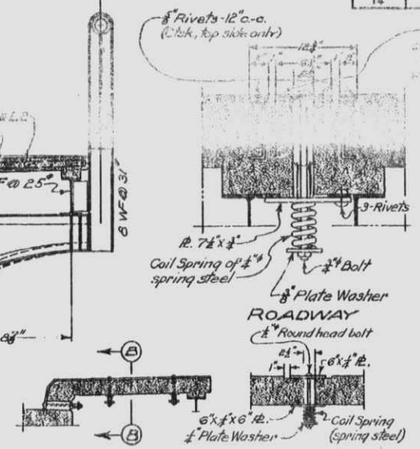
FED. ROAD DIST. NO.	STATE	B.P.R. ROUTE NO.	B.P.R. PROJ. NO.	STATE ROUTE NO.	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
14	VA.	65	563-C	288	1115		

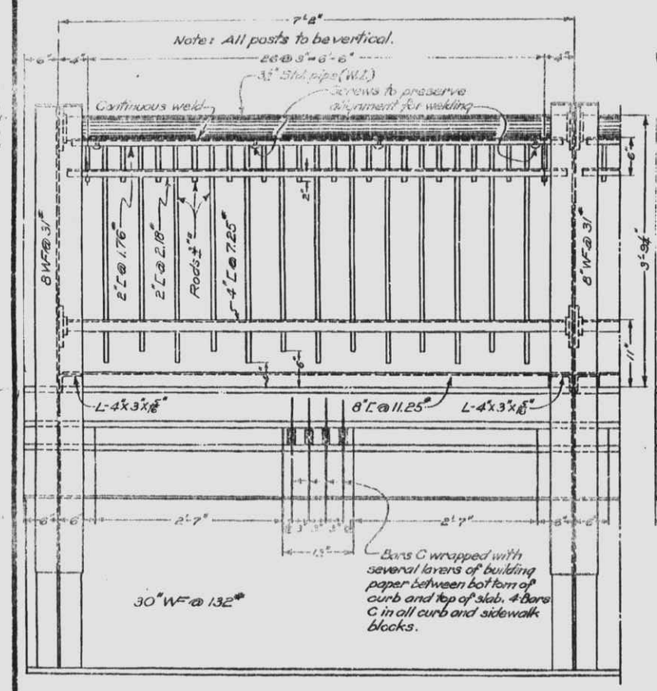


TRANSVERSE SECTION

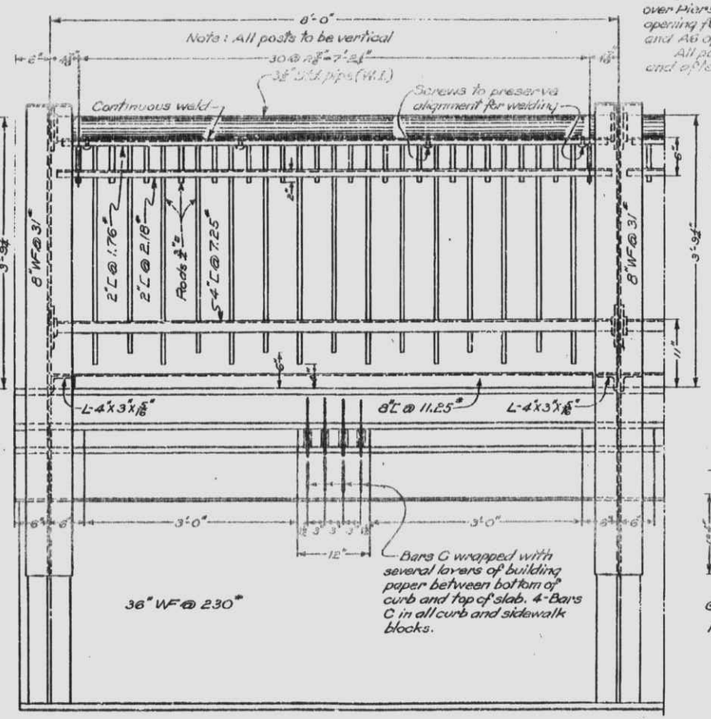
Note:
Shorten end rail panel at ends of spans over Piers #6, #9, #10 and Abut. B to provide opening for safety gate. See Sheet A5 of 6 and A6 of 6 for gate support details.
All posts to be aligned before riveting and after slabs have been poured.



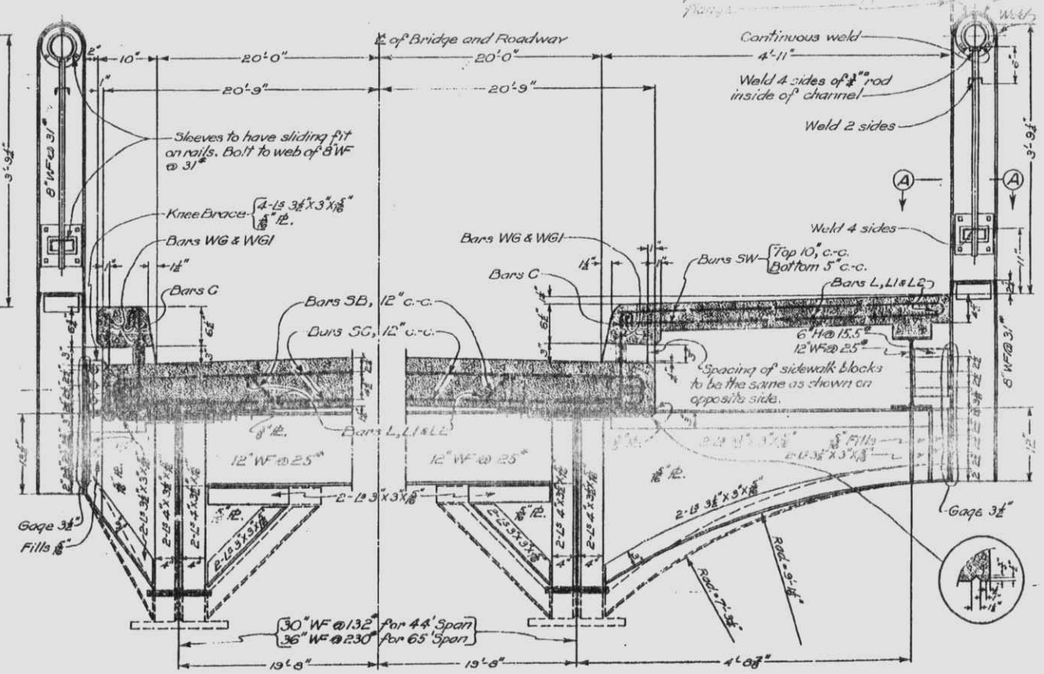
DETAILS OF ARMORED EXPANSION JOINT



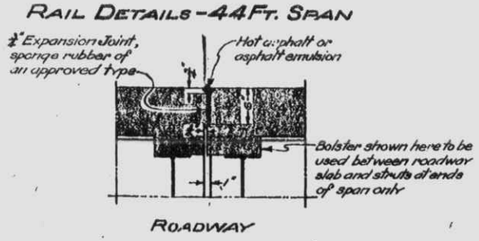
RAIL DETAILS - 44 FT. SPAN



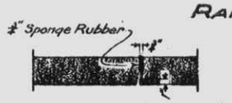
RAIL DETAILS - 65 FT. SPAN



RAIL AND CURB DETAILS



ROADWAY



SIDEWALK

DETAILS OF RUBBER EXPANSION JOINT

Note:
Provide 5" x 3 1/2" x 3/8" stiffener angles over all bearings of 65 ft. Span.
All angles over all bearings to bear on flange.

GILMERTON BRIDGE
SUPERSTRUCTURE DETAILS

Virginia Department of Highways
Office of the Bridge Engineer
Richmond, Va. January 1937.

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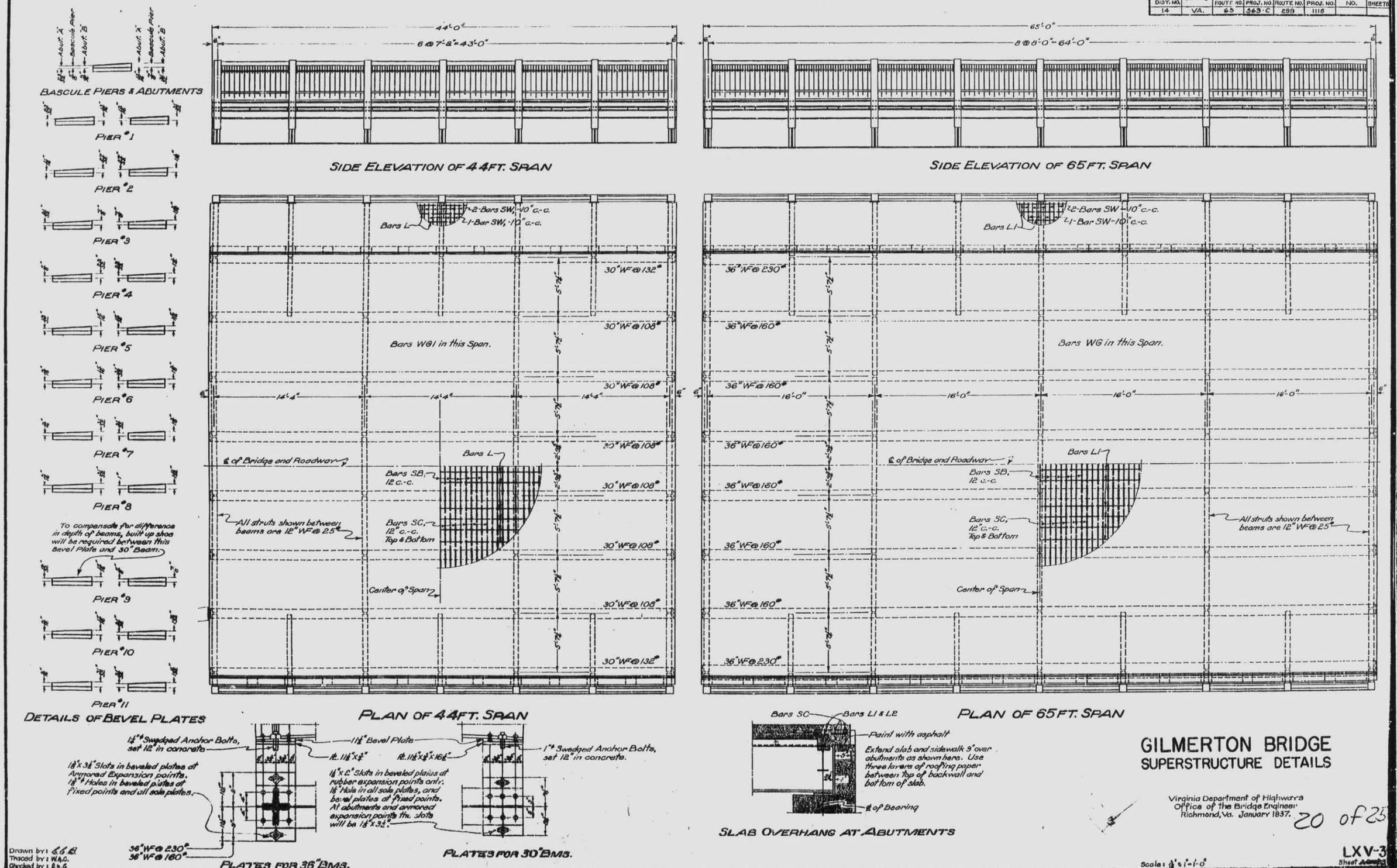
Drawn by: E.E.G.
Traced by: W.A.C.
Checked by: J.R.C.

Scale: 1/4" = 1'-0"

LXV-3
Sheet

5-C-3

FED. ROAD DIST. NO.	STATE	B.P.R. ROUTE NO.	B.P.R. PROJ. NO.	STATE ROUTE NO.	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
14	VA.	65	563-C	299	1116		



GILMERTON BRIDGE
SUPERSTRUCTURE DETAILS

Virginia Department of Highways
Office of the Bridge Engineer
Richmond, Va. January 1937.

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Drawn by: G.G.B.
Traced by: W.A.C.
Checked by: R.H.G.

Scale: 1/8" = 1'-0"

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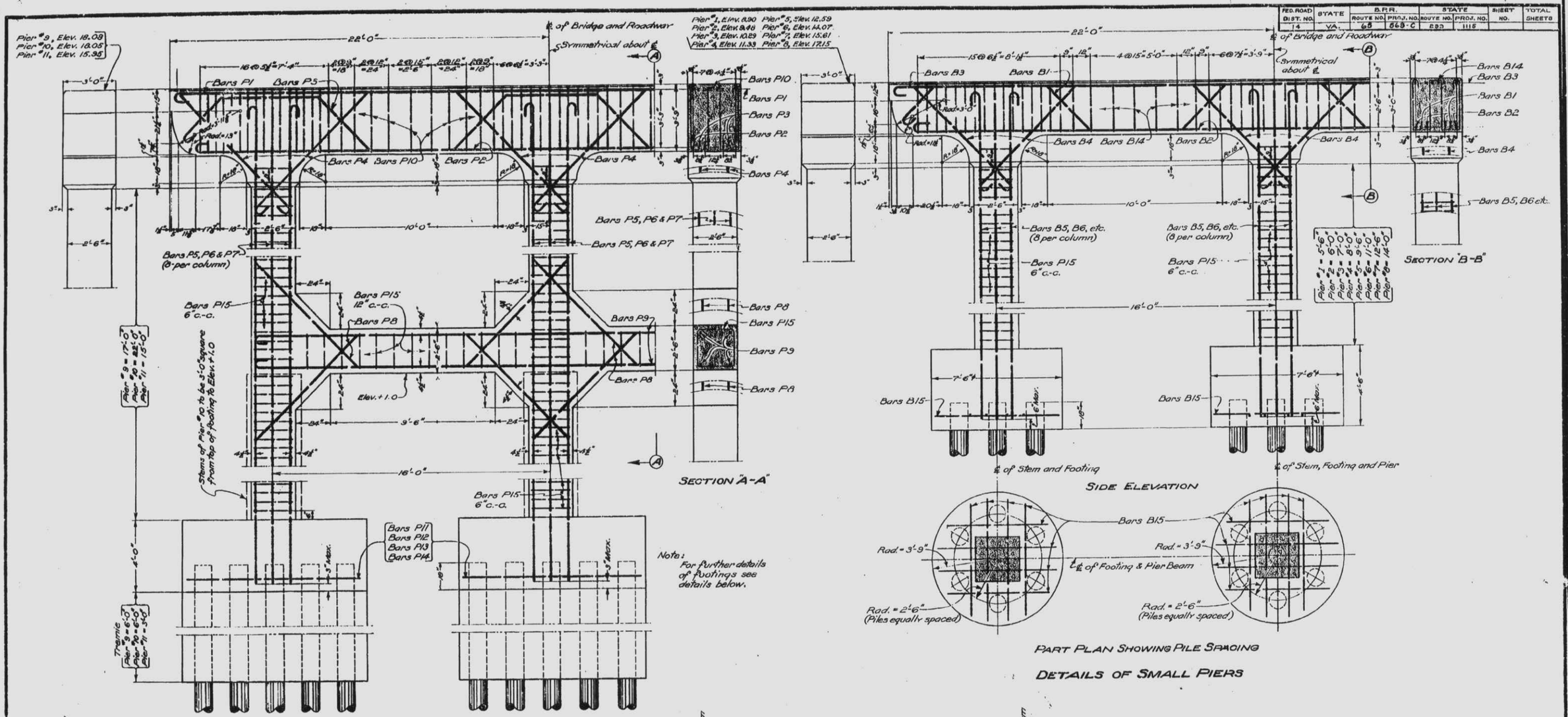
Sheet A-3

FED. ROAD DIST. NO.	STATE	B.P.R. ROUTE NO.	B.P.R. PROJ. NO.	STATE ROUTE NO.	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
14	VA.	65	569-C	633	1115		



GILMERTON BRIDGE
PIER DETAILS

Virginia Department of Highways
Office of the Bridge Engineer
Richmond, Va. January 1937.

21 of 25

Drawn by: G.C.B.
Traced by: W.A.C.
Checked by: J.S.C.

Revised February 18, 1937.
Scale: ¼" = 1'-0"

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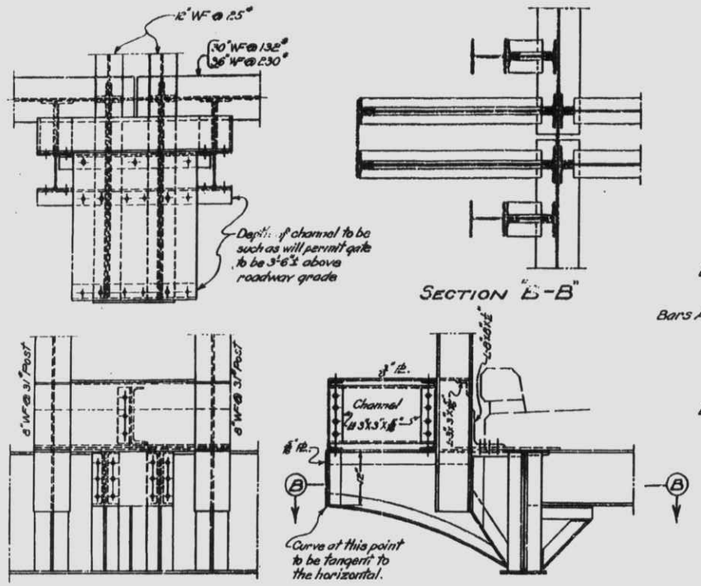
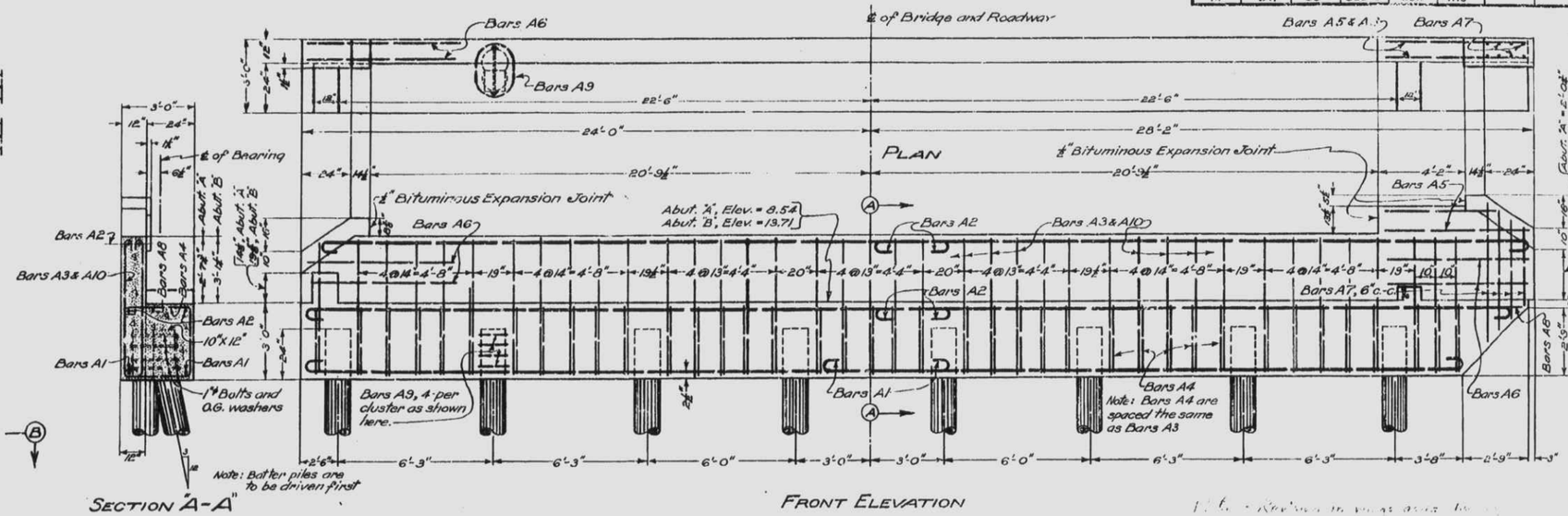
Sheet 21 of 25

FED. ROAD DIST. NO.	STATE	B.P.R. ROUTE NO.	B.P.R. PROJ. NO.	STATE ROUT'E NO.	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
14	VA.	68	368-C	208	1115		



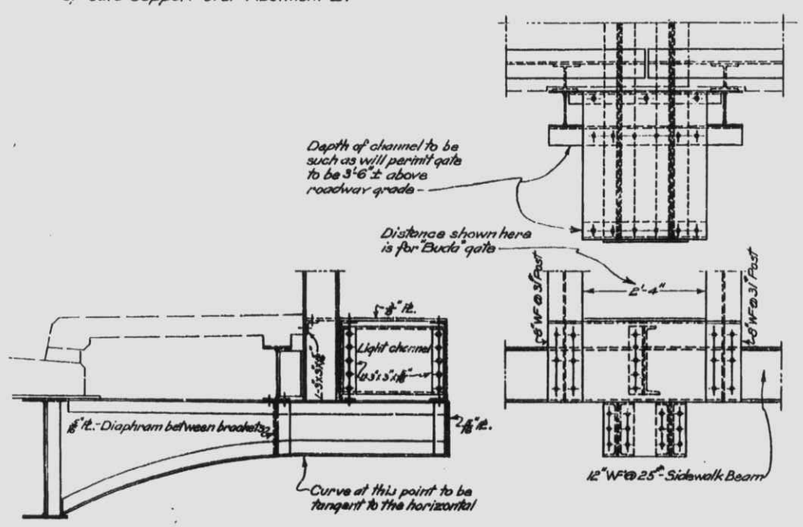
DETAILS OF SUPPORT FOR ROADWAY GATE CURB SIDE (OVER PIERS)

Note:
See Sheet A6 of 6 for details of Gate Support over Abutment "B".



DETAILS OF ABUTMENTS

ABUTMENT "A" AS SHOWN HERE, ABUTMENT "B" OPPOSITE HAND.

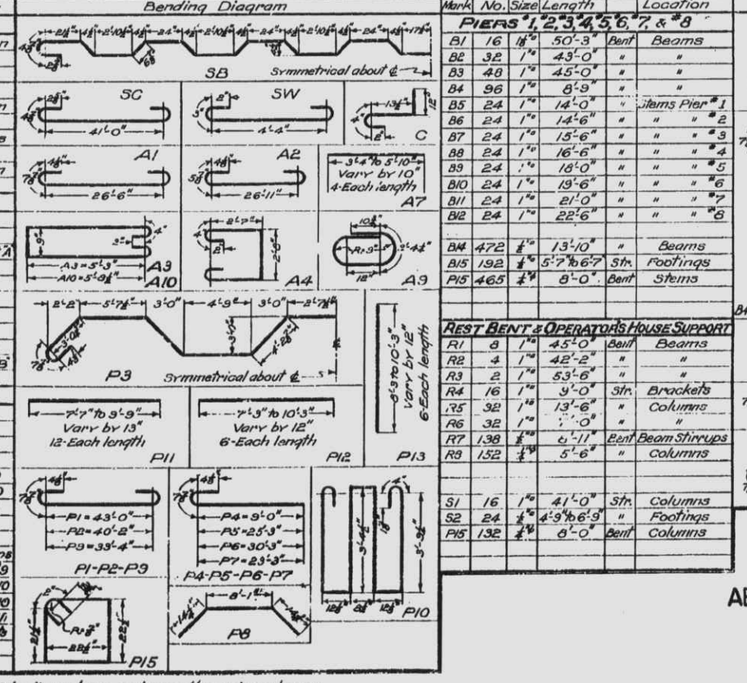


DETAILS OF SUPPORT FOR ROADWAY GATE SIDEWALK SIDE (OVER PIERS)

SCHEDULE OF REINFORCING STEEL

Mark	No.	Size	Length		Location
SUPERSTRUCTURE					
WG	64	¾"	34'-0"	Str.	Curb-65' Span
WG1	72	¾"	43'-6"	"	" -44' "
SB	647	⅝"	44'-4"	Bent	Slab
SC	1312	⅝"	42'-3"	"	"
L1	448	½"	34'-0"	Str.	Slab-65' Span
L	448	½"	43'-6"	"	" -44' "
C	1480	½"	2'-7"	Bent	Curb Blocks
SW	2354	⅝"	5'-2"	"	Sidewalk
L2	56	½"	44'-3"	Str.	End 44' Span
ABUTMENTS					
A1	8	1"	28'-6"	Bent	Cap
A2	16	¾"	28'-7"	"	"
A3	39	½"	12'-2"	"	Stirrups-Abut. "A"
A4	78	½"	8'-9"	"	" "
A5	8	½"	5'-0"	Str.	Wings
A6	16	½"	4'-0"	"	"
A7	16	½"	3'-4" to 5'-10"	"	"
A8	4	½"	27'-0"	"	Beam
A9	64	½"	7'-6"	Bent	Pile Heads
A10	39	½"	13'-1"	"	Stirrups-Abut. "B"
PIERS #9, #10 & #11					
P1	24	1"	45'-0"	Bent	Beams
P2	12	1"	42'-2"	"	"
P3	6	1"	51'-0"	"	"
P4	36	1"	10'-0"	"	"
P5	24	1"	26'-3"	"	Columns #9
P6	24	1"	31'-3"	"	" #10
P7	24	1"	24'-3"	"	" #11
P8	48	1"	10'-8"	"	Struts
P9	12	1"	35'-4"	"	"
P10	195	½"	16'-3"	"	Beam Stirrups
P11	36	½"	7'-7" to 9'-9"	Str.	Footing Pier #9
P12	24	½"	7'-3" to 10'-3"	"	" " #10
P13	18	½"	6'-3" to 10'-3"	"	" " #10
P14	30	½"	9'-10"	"	" " #11
P15	338	½"	8'-0"	Bent	Columns & Struts

Mark	No.	Size	Length		Location
PIERS #1, #2, #3, #4, #5, #6, #7, & #8					
B1	16	1¼"	50'-3"	Bent	Beams
B2	32	1"	43'-0"	"	"
B3	48	1"	45'-0"	"	"
B4	96	1"	8'-9"	"	"
B5	24	1"	14'-0"	"	Stems Pier #1
B6	24	1"	14'-6"	"	" " #2
B7	24	1"	15'-6"	"	" " #3
B8	24	1"	16'-6"	"	" " #4
B9	24	1"	18'-0"	"	" " #5
B10	24	1"	19'-6"	"	" " #6
B11	24	1"	21'-0"	"	" " #7
B12	24	1"	22'-6"	"	" " #8
B14	472	½"	13'-10"	"	Beams
B15	192	½"	5'-7" to 6'-7"	Str.	Footings
P15	465	½"	8'-0"	Bent	Stems
REST BENT & OPERATOR'S HOUSE SUPPORT					
R1	8	1"	45'-0"	Bent	Beams
R2	4	1"	42'-2"	"	"
R3	2	1"	53'-6"	"	"
R4	16	1"	9'-0"	Str.	Brackets
R5	32	1"	13'-6"	"	Columns
R6	32	1"	[illegible]'-0"	"	"
R7	138	½"	6'-11"	Bent	Beam Stirrups
R8	152	½"	5'-6"	"	Columns
S1	16	1"	41'-0"	Str.	Columns
S2	24	½"	4'-9" to 6'-9"	"	Footings
P15	132	½"	8'-0"	Bent	Columns



All bends to be with a radius of 2½ diameters unless otherwise shown.

GILMERTON BRIDGE
DETAILS OF GATE SUPPORTS ABUTMENTS AND STEEL SCHEDULE

Virginia Department of Highways
Office of the Bridge Engineer
Richmond, Va. January 1937.

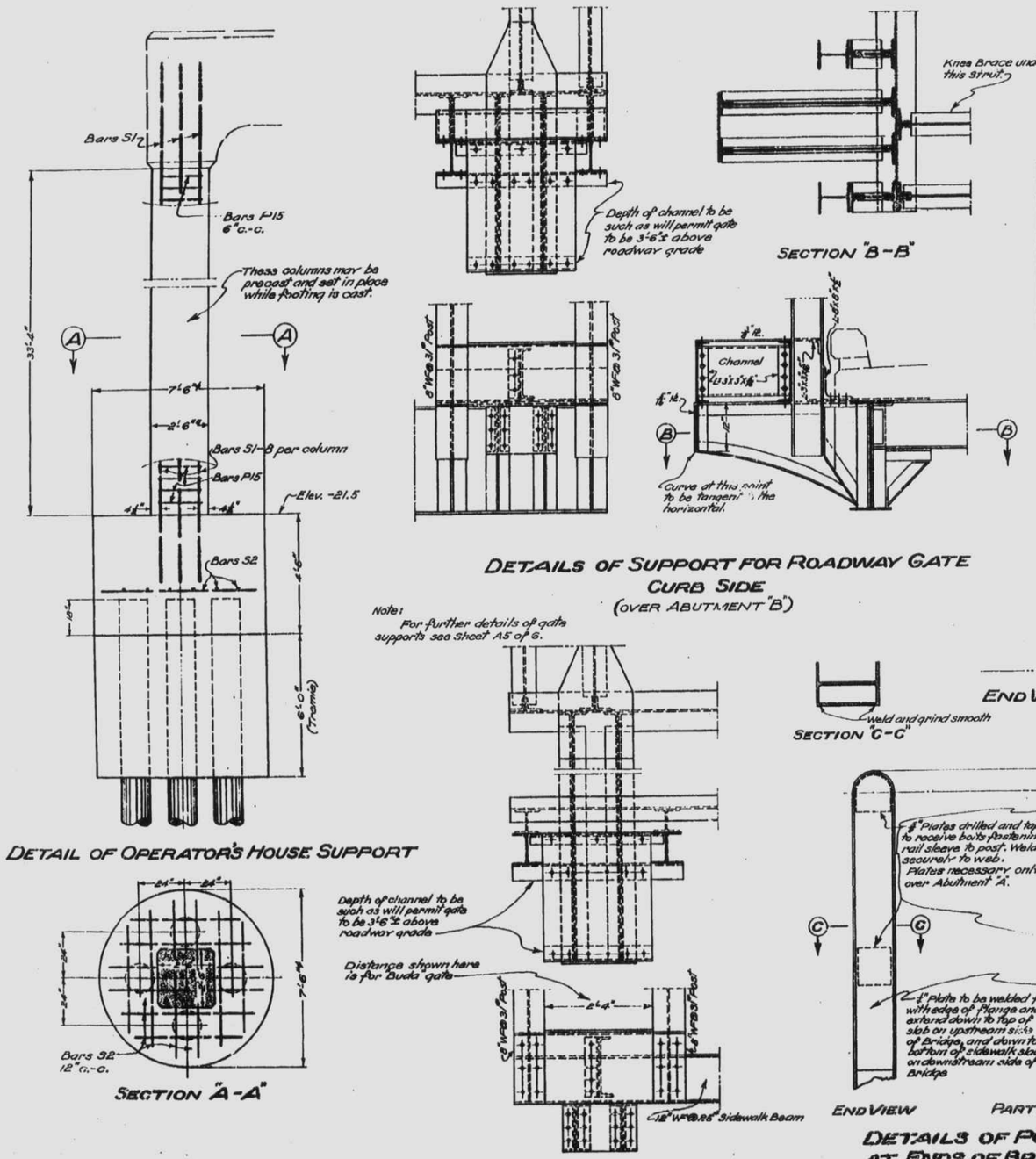
22 of 25

Drawn by: E.G.B.
Traced by: W.A.C.
Checked by: J.L.G.

Revised February 18, 1937.
Scale: ¾" & ½" = 1'-0"

LXV-3
Sheet A[illegible]

FED. ROAD DIST. NO.	STATE	B.R.R. ROUTE NO.	B.R.R. PROJ. NO.	STATE ROUTE NO.	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
14	VA.	65	563-C	299	1115		



DETAIL OF OPERATOR'S HOUSE SUPPORT

SECTION "B-B"

DETAILS OF SUPPORT FOR ROADWAY GATE CURB SIDE (OVER ABUTMENT "B")

Note: For further details of gate supports see Sheet A5 of 6.

SECTION "A-A"

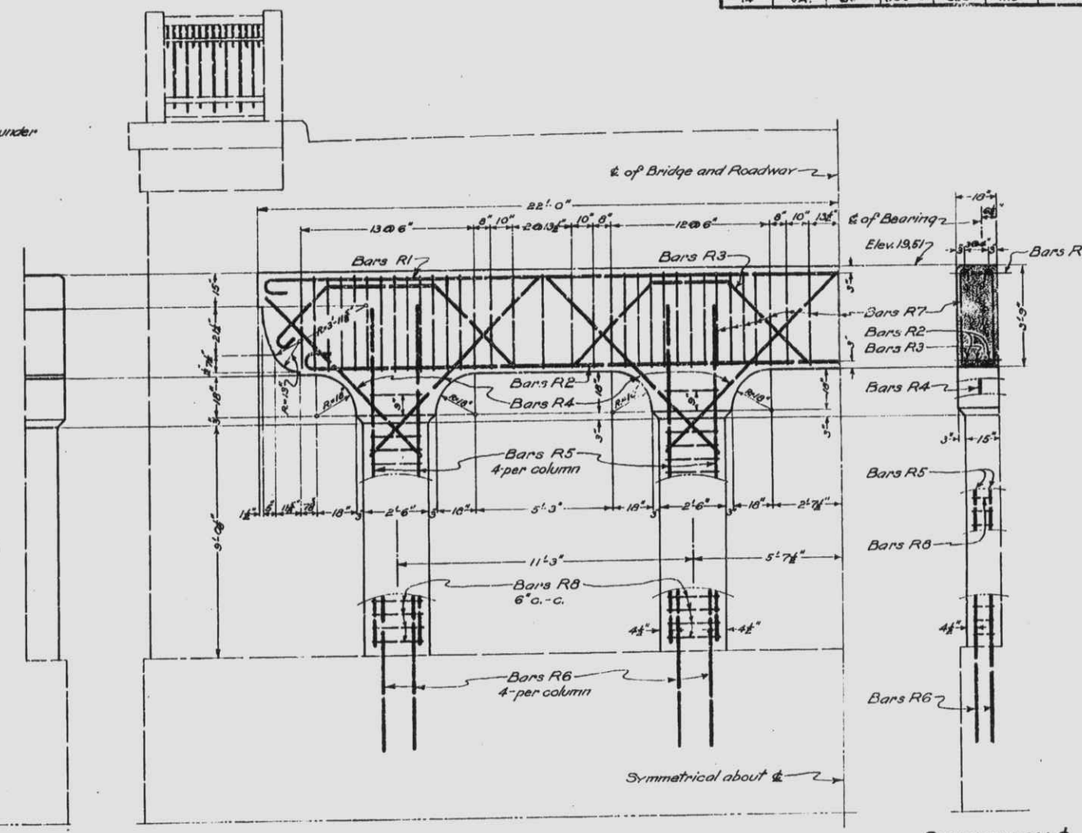
DETAILS OF SUPPORT FOR ROADWAY GATE-SIDEWALK SIDE (OVER ABUTMENT "B")

SECTION "C-C"

END VIEW

PART SIDE ELEVATION

DETAILS OF POSTS AT ENDS OF BRIDGE



END VIEW

FRONT ELEVATION

SECTION ON ℄

DETAILS OF REST BENTS

GILMERTON BRIDGE

DETAILS OF OPERATORS HOUSE SUPPORT REST BENTS AND GATE SUPPORTS

Virginia Department of Highways
Office of the Bridge Engineer
Richmond, Va. January 1937.

23 of 25

Drawn by: C.E.B.
Traced by: W.E.C.
Checked by: J.A.C.

Scale: ⅜", ½" & ¾" = 1'-0"

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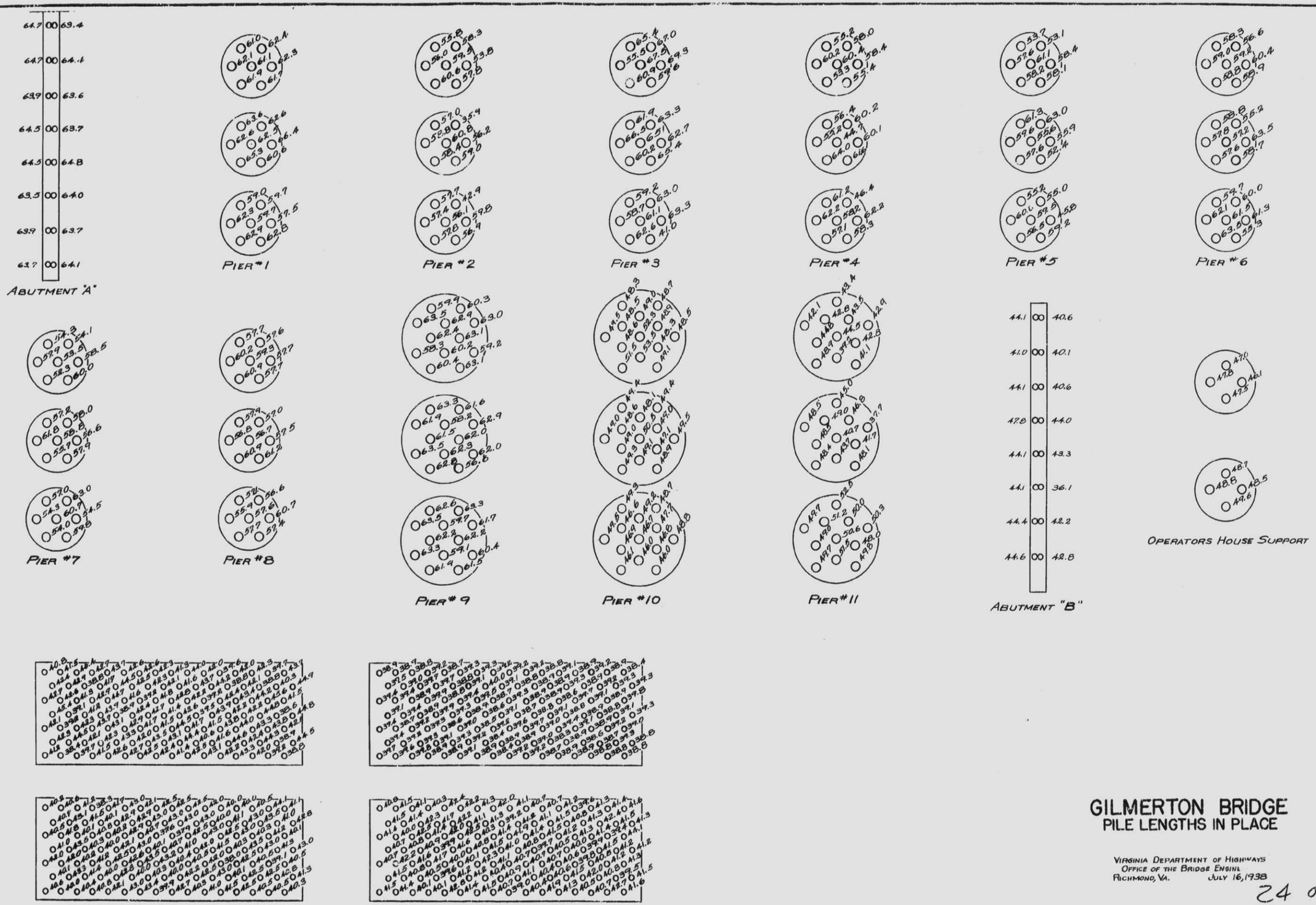
Sheet



GILMERTON BRIDGE
PILE LENGTHS IN PLACE

VIRGINIA DEPARTMENT OF HIGHWAYS
OFFICE OF THE BRIDGE ENGINE
RICHMOND, VA. JULY 16, 1938

Drawn By:- B.H.T.
Traced By:- B.H.T.
Checked By:-

Not to Scale

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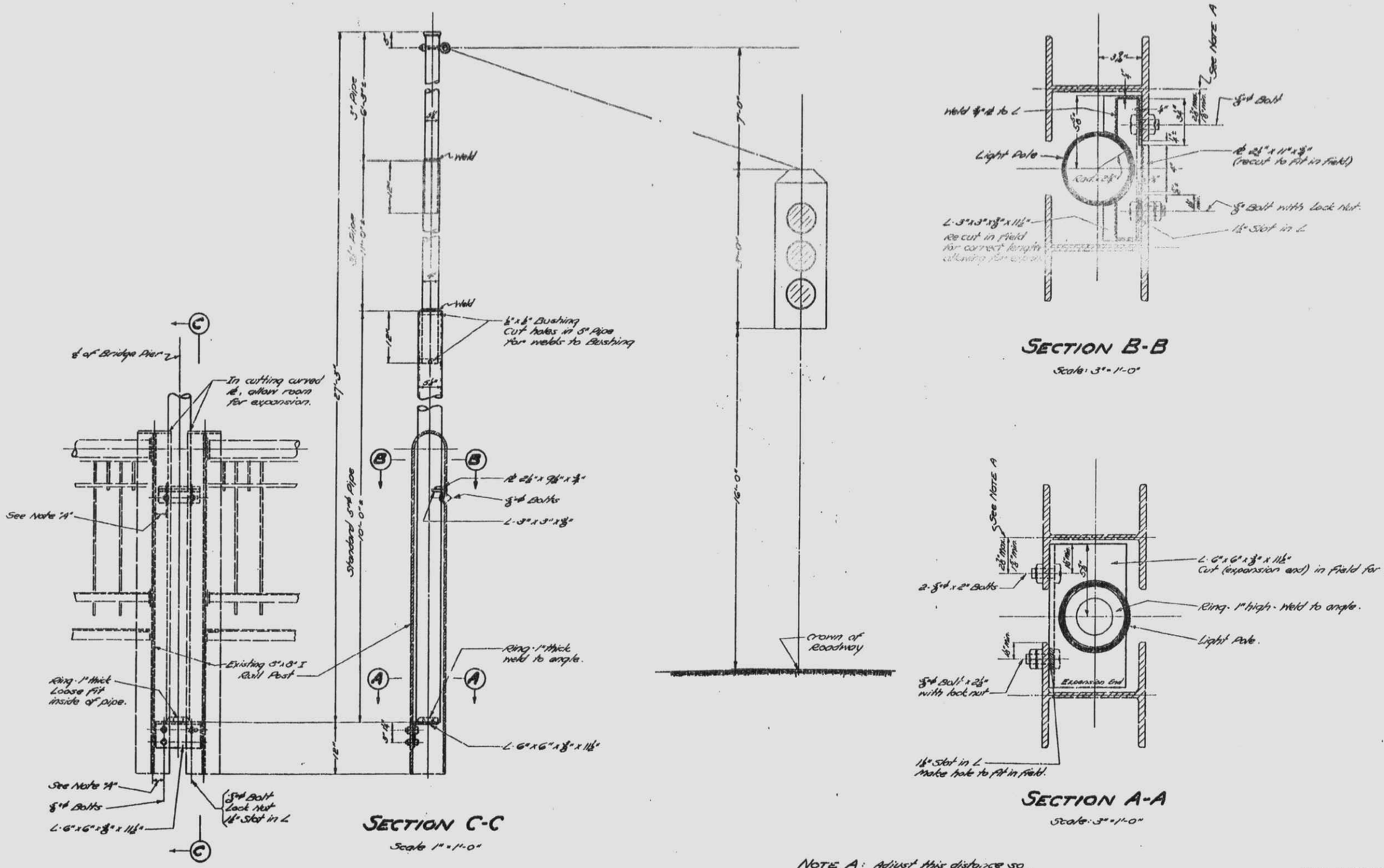
FED. ROAD DIST. NO.	STATE	B.P.R. ROUTE NO.	B.P.R. PROJ. NO.	STATE ROUTE NO.	STATE PROJ. NO.	SHEET NO.	TOTAL SHEETS
14	VA.	65	563-C.	299	1115		



SECTION C-C

Scale 1" = 1'-0"

PART SIDE ELEVATION AT RAIL POSTS

SECTION B-B

Scale: 3" = 1'-0"

SECTION A-A

Scale: 3" = 1'-0"

NOTE A: Adjust this distance so that when pole is practically plumb it will be in middle of space between tops of rail posts.

GILMERTON BRIDGE
TRAFFIC LIGHT SUPPORTS

VIRGINIA DEPARTMENT OF HIGHWAYS
OFFICE OF THE BRIDGE ENGINEER
RICHMOND, VA. JULY 1944

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LXV-3
Sheet Number

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Traced By: R.M.N.
Checked By: