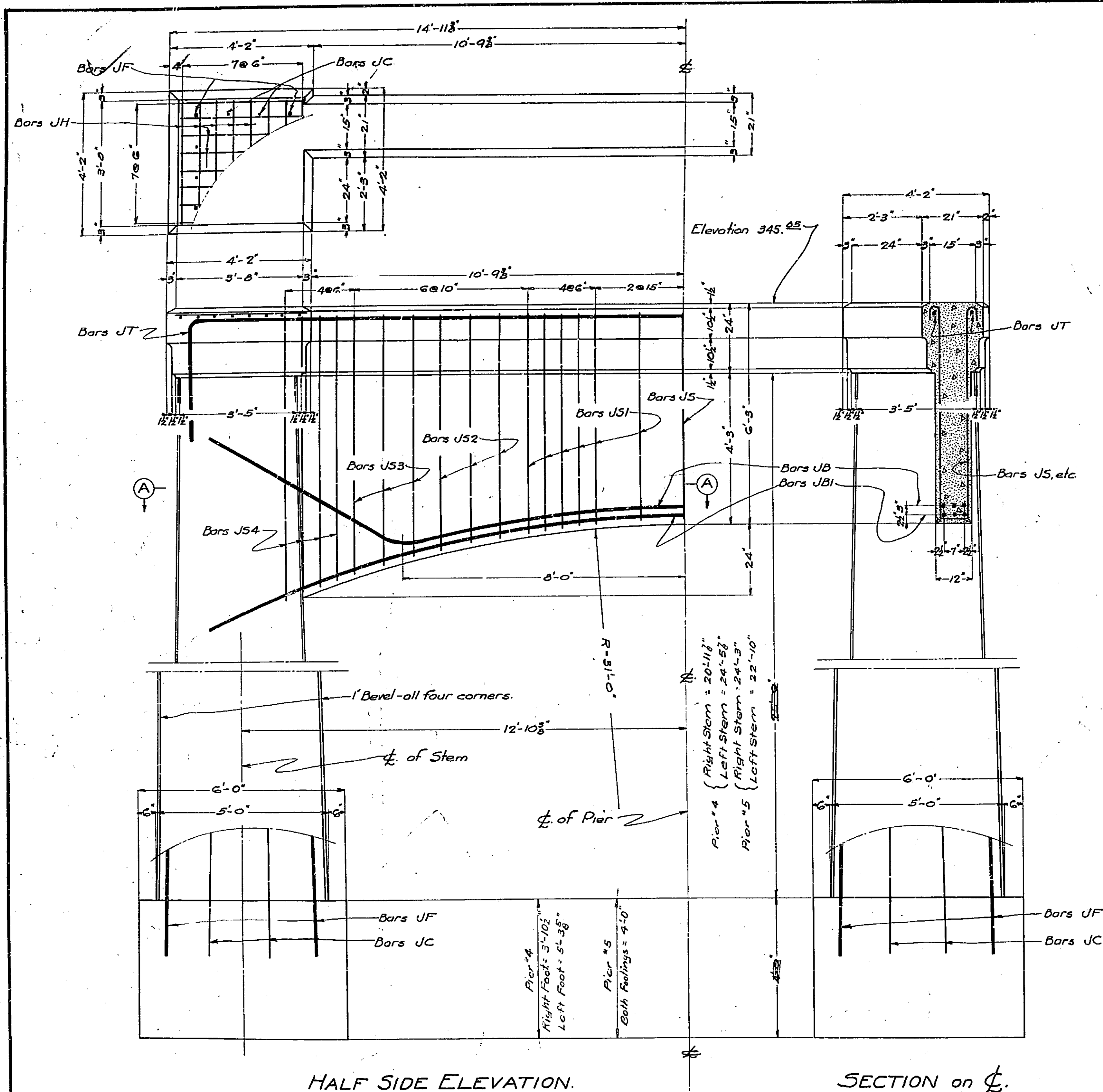


41-15 [] 303 E



HALF SIDE ELEVATION.

SECTION on C-C.

SECTION A-A.

DETAIL of PIERS # 4 and 5.

Note - Both Piers (#4 & 5) alike.

SCHEDULE OF SUBSTRUCTURE STEEL.

I- ABUTMENTS.				Location		Bending Diagram.	
Mark	Size	No	Length				
CB	1 ^{1/2} "	4	28'-11"	Bent	Beams		
CL	1 ^{1/2} "	8	30'-6"	"	"		
CL1	1 ^{1/2} "	8	22'-0"	"	"		
CT	1 ^{1/2} "	16	11'-0"	Str	Brackets		
CR	1 ^{1/2} "	16	10'-0"	Str	Stems		
PS	1 ^{1/2} "	74	15'-7"	Bent	Beam stirrups		
CV	1 ^{1/2} "	40	2'-11" to 6'-5"	Str	Wing Walls		
CVI	1 ^{1/2} "	16	3'-4"	"	"		

II- PIERS #1-2-3 & 6.				Location		Bending Diagram.	
Mark	Size	No	Length				
PB	1 ^{1/2} "	4	28'-11"	Bent	Beam		
PK	1 ^{1/2} "	16	26'-0"	"	"		
PK1	1 ^{1/2} "	16	24'-0"	"	"		
PP	1 ^{1/2} "	32	9'-0"	Str	Stems		
PV	1 ^{1/2} "	32	30'-0"	"	"		
PD	1 ^{1/2} "	32	7'-0"	"	Brackets		
PS	1 ^{1/2} "	140	13'-7"	Bent	Beam stirrups		
PY	1 ^{1/2} "	40	4'-0"	Str	Pedestals		
PH	1 ^{1/2} "	16	23'-6"	Bent	"		
PH	1 ^{1/2} "	360	7'-0"	"	Stems		

III- PIERS # 4 and 5.				Location		Bending Diagram.	
Mark	Size	No	Length				
JT	1 ^{1/2} "	4	35'-10"	Bent	Beams		
JB	1 ^{1/2} "	6	29'-0"	Str	"		
JBI	1 ^{1/2} "	6	29'-0"	"	"		
JF	1 ^{1/2} "	16	29'-0"	"	Stems		
JC	1 ^{1/2} "	32	29'-0"	"	"		
JH	1 ^{1/2} "	64	3'-8"	"	Caps		
JS	1 ^{1/2} "	2	13'-5"	Bent	Beam stirrups		
JS1	1 ^{1/2} "	24	18'-2" to 18'-11"	"	"		
JS2	1 ^{1/2} "	12	14'-2" to 14'-10"	"	"		
JS3	1 ^{1/2} "	12	15'-2" to 15'-12"	"	"		
JS4	1 ^{1/2} "	12	16'-3" to 17'-0"	"	"		

Bend Bars JB and JBI in field as shown in Detail of Piers #4 & 5. All bends to be made with a radius of 2 1/2 diameters unless otherwise shown.

**BANISTER RIVER BRIDGE
SUBSTRUCTURE DETAILS.**

Virginia Department of Highways
Office of the Bridge Engineer.
Richmond, Va. May, 1930.

Scale = 1/2" = 1'-0"

XLI-15.
Sheet 3 of 3

Drawn by - ARR.
Traced - ARR.
Check'd - REA.