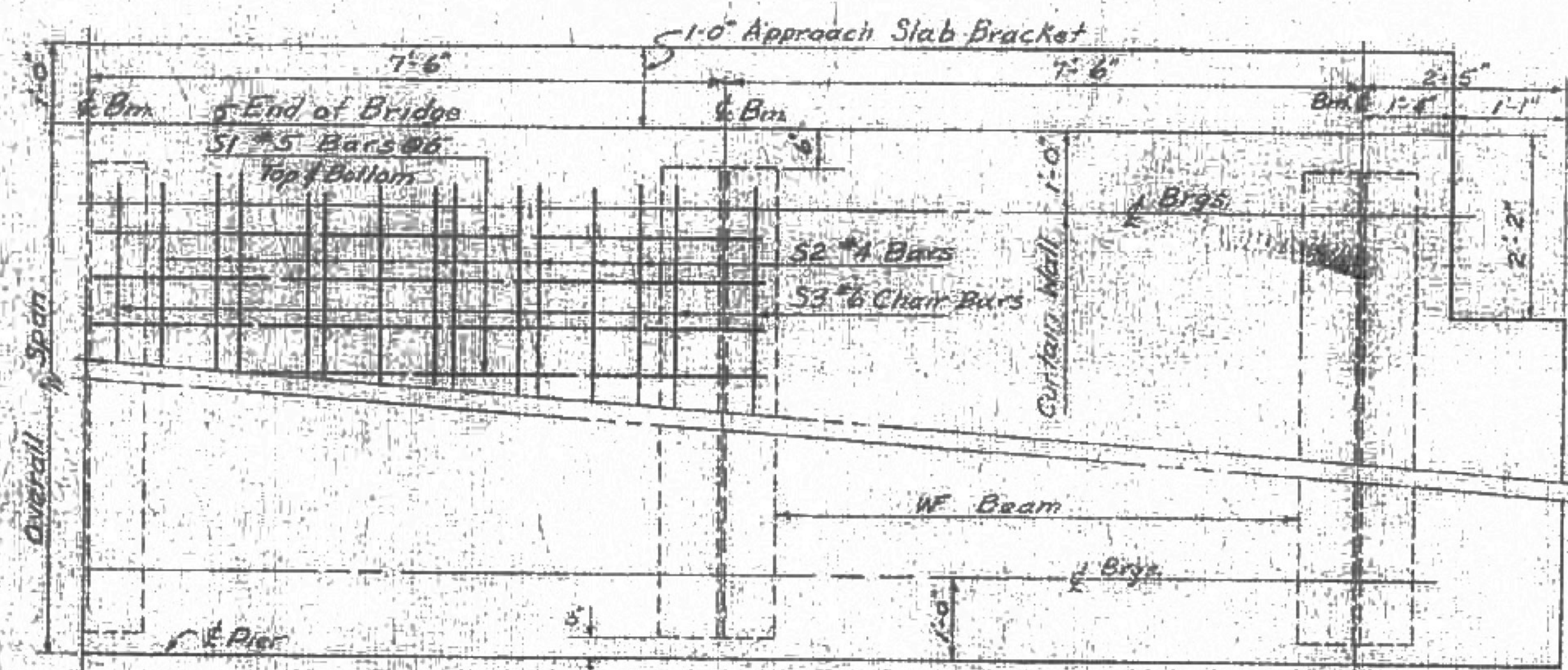
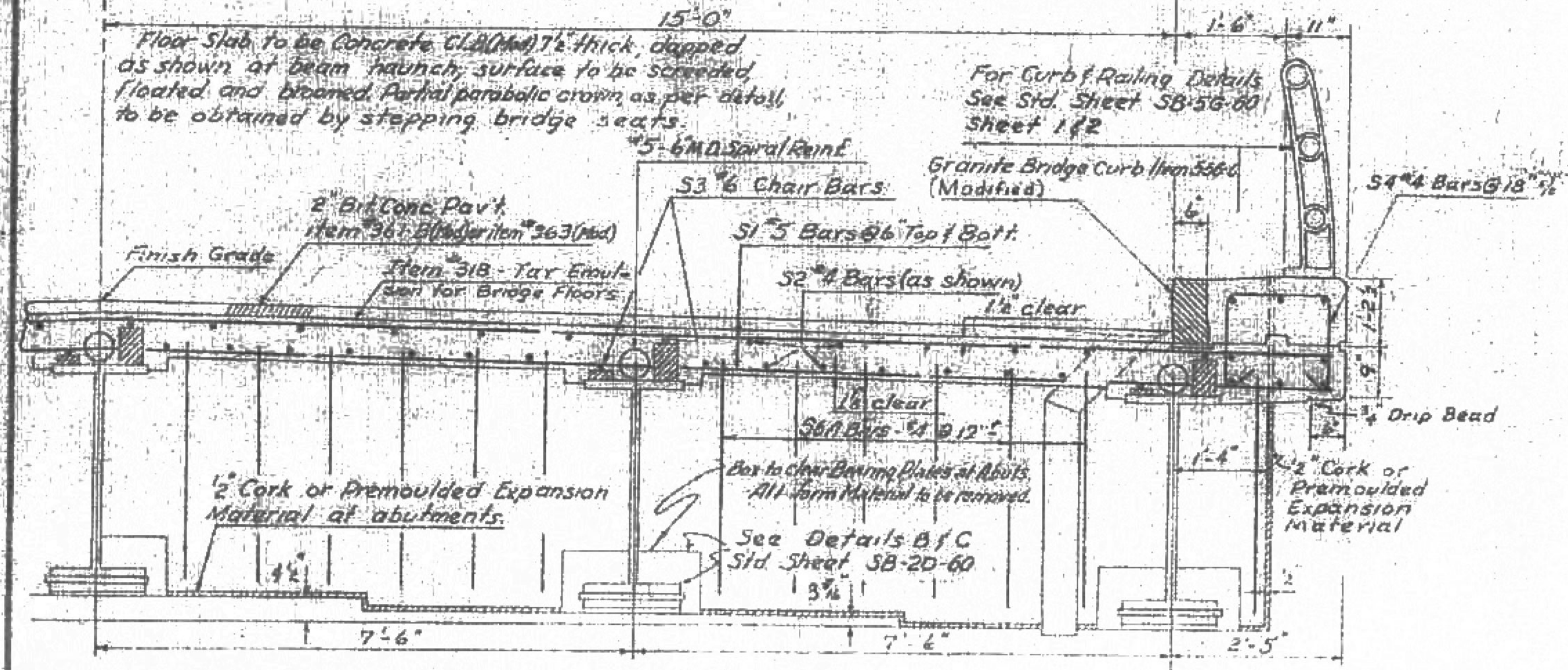


DETAIL OF PARTIAL PARABOLIC CROWN OF SLAB



HALF PLAN



TYPICAL HALF SECTION

**TABLE OF QUANTITIES FOR SINGLE (SQUARE) SPAN**

Span, Out to Out	99-0	94-0	89-0	84-0	79-0	74-0	69-0	64-0	59-0	54-0	49-0	44-0	39-0	34-0
Span E to E Brngs.	97-0	92-0	87-0	82-0	77-0	72-0	67-0	62-0	57-0	52-0	47-0	42-0	37-0	32-0
Length of Brngs	98-0	93-0	88-0	83-0	78-0	73-0	68-0	63-0	58-0	53-0	48-0	43-0	38-0	33-0
Size W Beam	36WF300	36WF300	36WF300	36WF245	36WF194	36WF170	36WF160	36WF150	36WF150	36WF150	36WF150	36WF150	33WF130	30WF116
Lght. of Size Bot Cover R.	84-0	79-0	74-0	69-0	64-0	59-0	54-0	49-0	44-0	39-0	34-0	29-0	24-0	19-0
Top	63-0	58-0	53-0	48-0	43-0	38-0	33-0	28-0	23-0	18-0	13-0	8-0	3-0	0-0
Dead load Deflection	3"	2"	2"	2"	1 1/2"	1 1/2"	1 1/2"	1"	7/8"	5/8"	2"	3/8"	1/4"	1/8"
Dia of Spiral Bars														Non Composite
Mean Dia of Spiral														Non Composite
Spiral Pitch 0'-10" from Brng.	Double @ 5"	Double @ 5"	Double @ 6"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"
10'-20" or E Span	Double @ 5"	Double @ 6"	Double @ 7"	Double @ 6"	Double @ 6"	Double @ 6"	Double @ 6"	Double @ 6"	Double @ 6"	Double @ 6"	Double @ 6"	Double @ 6"	Double @ 6"	Double @ 6"
20'-30" or E Span	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
30'-40" or E Span	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"
40'-E Span	7"	7"	8"	8"	6"	6"	7"	7"	7"	7"	7"	7"	7"	7"
Length of S & S Studs (Other than S-5)	(2 Studs required per patch, 62" long unless otherwise specified on the plans)													
Total Steel (1 span) (lbs)	192,860	169,900	156,910	123,370	99,000	82,950	69,500	59,080	52,070	46,560	41,610	37,780	28,150	22,190
Reinforcing Bars - S1	376	376	359	336	316	296	276	256	236	216	196	176	156	136
-S2	192	192	192	192	192	192	192	192	192	192	192	192	192	192
-S3	30	30	30	30	30	30	30	30	30	30	30	30	30	30
-S4	128	120	112	108	100	94	88	80	74	68	60	54	48	40
-S5	16	16	16	16	16	16	16	16	16	16	16	16	16	16
-S6A	52	52	52	52	52	52	52	52	52	52	52	52	52	52
-S7	44	44	44	44	44	44	44	44	44	44	44	44	44	44
Total Weight - Reinf. Bars (lbs)	21,570	20,530	19,520	18,480	17,450	16,440	15,400	14,220	13,190	12,170	11,140	10,120	9,070	7,900
Approx. Wt. Spiral Reinf. (lbs)	2,530	2,520	2,280	2,370	2,320	2,190	2,070	1,960	1,690	1,550	1,430	1,300	1,170	1,040
Total Wt. Conc. Class. (1 span) (lbs)	116	111	106	101	95	90	85	79	73	68	63	58	51	45
Total Wt. Return Conc. (1 span) (lbs)	42	40	38	36	34	32	29	27	25	23	21	19	17	15
Approx. Quantity of S & S Studs	3000	2900	2600	2700	2700	2500	2400	2250	1990	1810	1660	1510	1360	1210

**REINFORCING STEEL SCHEDULE**

Span	S1-#5 34'-4" Straight			S5-#5 32'-2" Straight		
	S2-#4 Str. Length	S3-#6 Str. Length	S6A-#4 B/D	S4-#4 T.L.	S6A-#4 T.L.	S6A-#4 T.L.
34	95'-6"	33'-2"	2'-6"	5'-3"	1'-6"	5'-3"
39	20'-3"	20'-6"	2'-9"	1'-6"	1'-6"	5'-3"
44	22'-9"	23'-0"	3'-0"	1'-6"	1'-6"	5'-3"
49	25'-3"	25'-6"	3'-0"	1'-6"	1'-6"	5'-3"
54	27'-9"	28'-0"	3'-0"	1'-6"	1'-6"	5'-3"
59	30'-3"	30'-6"	3'-0"	1'-6"	1'-6"	5'-3"
64	32'-9"	33'-0"	3'-0"	1'-6"	1'-6"	5'-3"
69	24'-3"	24'-6"	3'-2"	1'-6"	1'-6"	5'-3"
74	26'-0"	26'-3"	3'-2"	1'-6"	1'-6"	5'-3"
79	27'-6"	28'-0"	3'-3"	1'-6"	1'-6"	5'-3"
84	29'-3"	29'-6"	3'-3"	1'-6"	1'-6"	5'-3"
89	31'-0"	31'-3"	3'-3"	1'-6"	1'-6"	5'-3"
94	32'-6"	33'-0"	3'-4"	1'-6"	1'-6"	5'-3"
99	34'-3"	34'-6"	3'-4"	1'-6"	1'-6"	5'-3"

RICHMOND  
IM BPNT (7)  
SHEET 11 OF 15  
BRIDGE 57  
FOR REFERENCE ONLY

Revisions & Corrections  
Changed To 12" Curb 9/7/60

Drawn By: R.S.H. June 1960  
Traced By: R.S.H. June 1960  
Checked By: R.T.B. & R.S.H. July 1960

Correct: 13 July 1960  
Bridge Engineer  
Approved: 13 July 1960  
Chief Engineer

TYPICAL SECTION, PLAN VIEW, & QUANTITIES  
30 FOOT ROADWAY WF BEAM BRIDGES  
34-44 NON COMPOSITE, 49-99 COMPOSITE  
FOR ADDITIONAL DETAILS SEE STANDARD SCB-D-60

DEPARTMENT OF HIGHWAYS  
STANDARD STRUCTURES  
**SCB-30-60**  
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