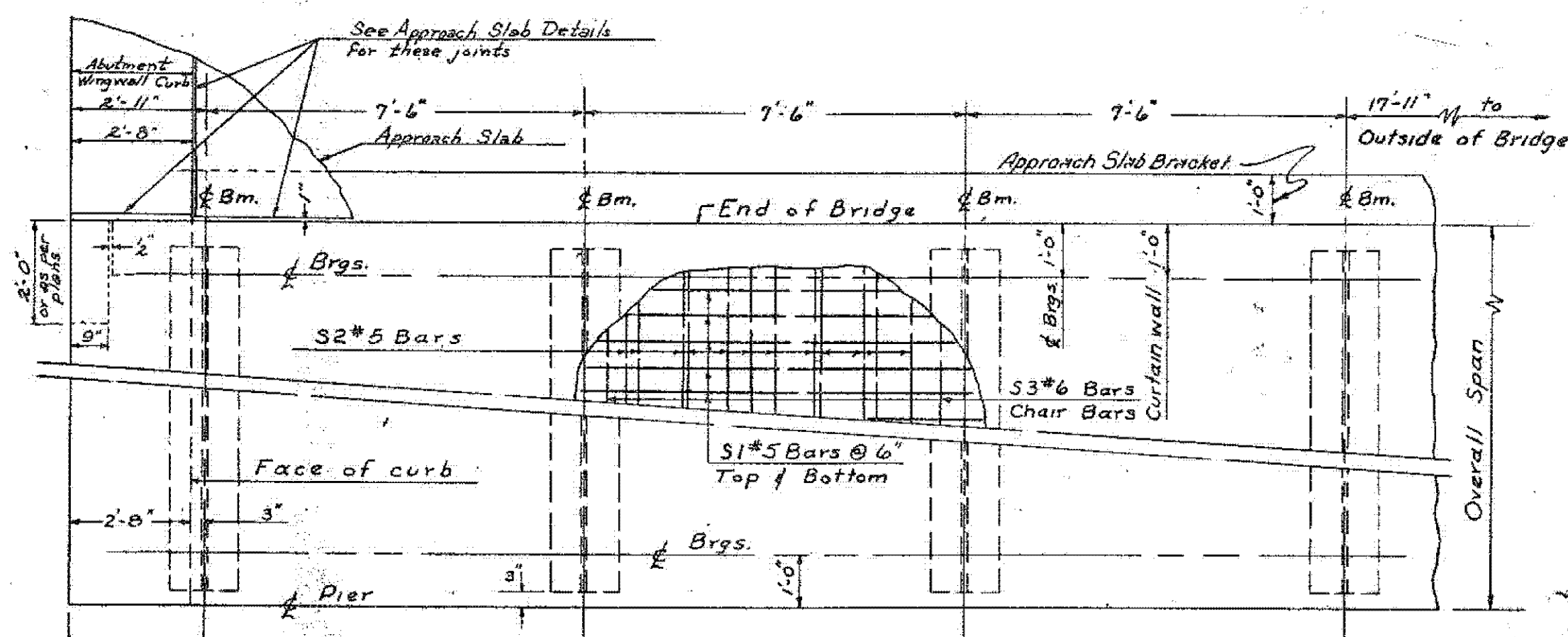
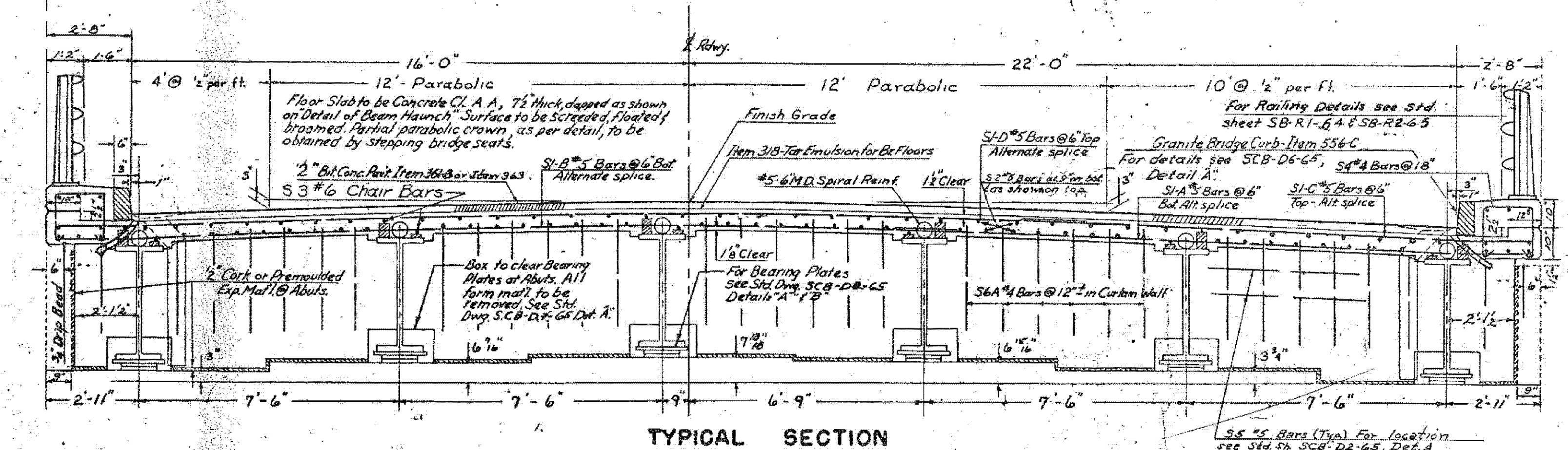


DETAIL OF PARTIAL PARABOLIC CROWN OF SLAB



PARTIAL PLAN



TYPICAL SECTION

TABLE OF QUANTITIES FOR SINGLE (SQUARE) SPAN (INCLUDES TWO CURTAIN WALLS)

Span - Out to Out	89'-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 - $\frac{1}{2}$ to $\frac{1}{2}$ Bearings	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 Beams	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 Beams	36W280	36W245	36W230	36W230	36W194	36W170	36W150	36W135	36W135	36W138	36W135	36W135	36W135	36W135
Length Size - Cover R (Bottom Only)	15'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"	14'-11"
Clearance	4'-5"	4'-4"	3'-5"	3'-2"	3'-6"	2'-4"	2'-5"	2'-2"	1'-5"	1'-3"	1'-6"	1'-"	1'-"	3'-4"
Dead Load Deflection	3/8"	3/8"	2/8"	2/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"
Diameter of Spiral Bars														
Mesh Diameter of Spiral														
Spiral Pitch 0'-10" From Brng.	Double @ 2"	Double @ 5"	Double @ 5"	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 $\frac{1}{2}$ Span	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"	Double @ 5"
" 20'-30" "	4"	4"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"
" 30'-40" "	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"
" 40'- $\frac{1}{2}$ Span	6 1/2"	6 1/2"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
Total Struct. Steel (L. Span) (lbs)	203,790	175,080	152,480	134,420	110,790	92,210	76,430	63,270	54,230	45,520	38,140	33,010	28,260	23,220
Reinforcing Bars - S1-A	199	189	179	169	159	149	139	129	119	109	99	89	79	69
" S1-B	199	189	179	169	159	149	139	129	119	109	99	89	79	69
" S1-C	199	189	179	169	159	149	139	129	119	109	99	89	79	69
" S1-D	199	189	179	169	159	149	139	129	119	109	99	89	79	69
" S2	267	267	267	267	267	267	267	267	178	178	178	178	178	69
" S3	36	36	36	36	36	36	36	36	24	24	24	24	24	12
" S4	134	128	120	114	108	100	94	88	80	74	68	60	54	48
" S5	32	32	32	32	32	32	32	32	32	32	32	32	32	32
" S6A	64	64	64	64	64	64	64	64	64	64	64	64	64	64
" S7	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Total Weight Reinf. Bars (lbs)	31,780	30,250	28,770	27,230	25,700	24,210	22,670	20,890	19,370	17,850	16,340	14,820	13,200	11,520
Approx. Weight Spiral Reinf. (lbs)	3,150	3,050	2,950	2,820	2,690	2,450	2,390	2,230	2,040	1,840	1,730	Non	Composite	
Total Concrete Class A-A (Cuyds)	137	130	124	118	111	105	98	92	86	80	74	67	61	54
Total Weight Bit. Conc. Riv. (lbs)	52	49	47	44	41	39	36	33	31	28	25	23	20	17
Tar Emulsion for Bridge Floors (Gal)	187	189	180	172	163	155	147	139	130	121	112	103	94	85
Approx. Quantity 3/4" x 7" Studs	3,820	3,740	3,530	3,220	3,170	3,000	2,930	2,740	2,540	2,380	2,110	Non	Composite	
Approx. Quantity 3/4" x 7" Studs	2,540	2,500	2,350	2,140	2,110	2,000	1,920	1,820	1,700	1,520	1,410	Non	Composite	
Item #440 - Water Repellent (Gal)	11 1/2	10 3/4	10 1/4	9 3/4	9	8 1/2	8	7 1/2	6 3/4	6 1/4	5 1/2	5	4 1/2	4

REINFORCING STEEL SCHEDULE

Span	S2-#5	S3-#6	S6A-#4	S4-#4	S6A-#4
	Str.	Str.	B x D	Total Length	T.L. = 5'-4"
34	33'-6"	33'-6"	2'-6"	6'-6"	T.L. Varies
39	30'-3"	20'-6"	2'-9"	7'-0"	B = 1'-5"
44	27'-9"	23'-0"	3'-0"	7'-3"	D = 1'-5"
49	25'-3"	25'-6"	3'-0"	7'-6"	C = 1'-8"
54	27'-9"	28'-0"	3'-0"	7'-6"	
59	30'-3"	30'-6"	3'-0"	7'-6"	
64	32'-4"	33'-0"	3'-0"	7'-6"	A = 5"
69	34'-3"	34'-6"	3'-2"	7'-10"	G = 5"
74	26'-0"	26'-3"	3'-2"	7'-10"	S7-#6
79	27'-6"	28'-0"	3'-3"	8'-0"	T.L. = 3'-0"
84	29'-3"	29'-6"	3'-3"	8'-0"	T.L. = 4'-2"
89	31'-0"	31'-3"	3'-3"	8'-0"	B = 1'-8"
94	32'-6"	33'-0"	3'-4"	8'-2"	C = 1'-6"
99	34'-3"	34'-6"	3'-4"	8'-2"	B = 2'-6"
					D = 1'-0"

Revisions of Corrections
 Checked By: R.S.H. & A.B.M. June 1960, Rev. 1965
 Checked By: R.T.B. & R.S.H. July 1960, Rev. 1965

Drawn By: R.S.H. June 1960, Rev. W.B.T. Jan. 1965
 Checked By: R.T.B. & R.S.H. July 1960, Rev. 1965

Recommended For Approval: [Signature]
 Recommended For Approval: [Signature]
 Approved By: [Signature]

TYPICAL SECTION, PLAN VIEW, & QUANTITIES
 38 FOOT ROADWAY W/ BEAM BRIDGES
 DESIGN LOADING - HS20-44+ (A.S.T.M.-A36-62 STEEL)
 34-44 NON COMPOSITE, 49-99 COMPOSITE
 FOR ADDITIONAL DETAILS SEE STANDARDS SCB-D1 THRU D9-65

STATE OF VERMONT
 DEPARTMENT OF HIGHWAYS
 STANDARD STRUCTURES

SCB-38-6

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