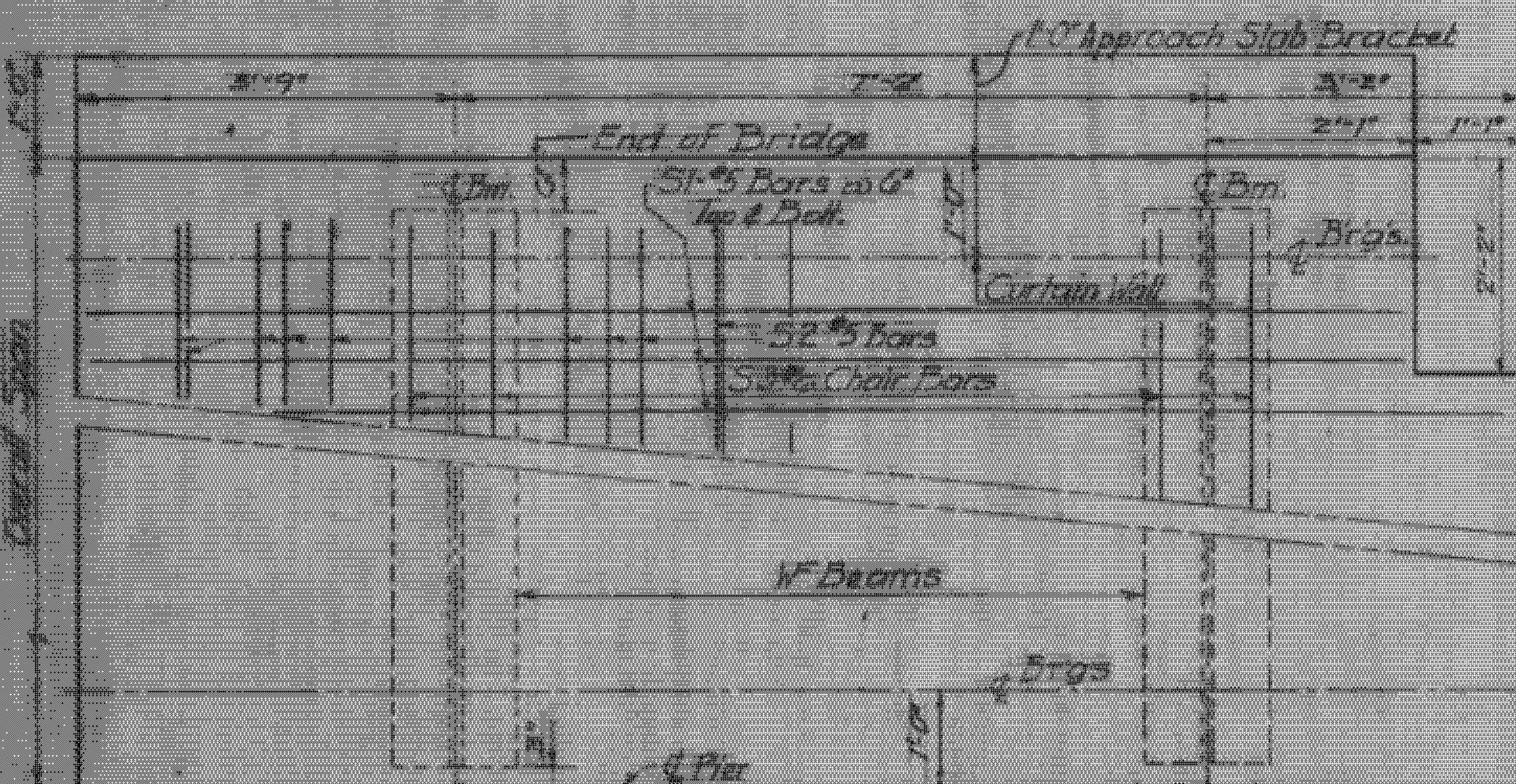
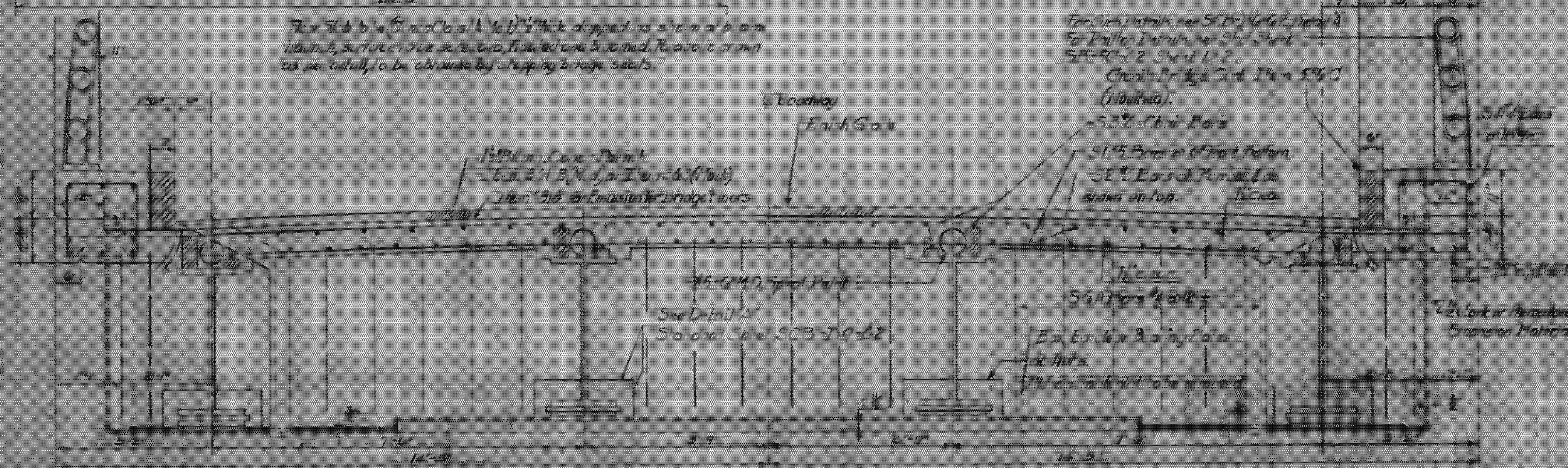


DETAIL OF PARABOLIC CURVE SLAB



HALF PLAN



TYPICAL SECTION (24 FOOT ROADWAY)

TABLE OF QUANTITIES FOR SINGLE (SQUARE) SPAN

Span, Out to Out	99'-0"	98'-0"	97'-0"	96'-0"	95'-0"	94'-0"	93'-0"	92'-0"	91'-0"	90'-0"	89'-0"	88'-0"	87'-0"	86'-0"	85'-0"
Spans to C. Bridge	97'-0"	96'-0"	95'-0"	94'-0"	93'-0"	92'-0"	91'-0"	90'-0"	89'-0"	88'-0"	87'-0"	86'-0"	85'-0"	84'-0"	83'-0"
Length of Beams	98'-0"	97'-0"	96'-0"	95'-0"	94'-0"	93'-0"	92'-0"	91'-0"	90'-0"	89'-0"	88'-0"	87'-0"	86'-0"	85'-0"	84'-0"
Size W Beam	36W180	36W215	36W230	36W230	36W194	36W170	36W150	36W135	36W135	36W135	36W135	36W135	36W135	36W135	36W135
Cover R Sizes (Elev. Only)	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"	14'-0"
Dead Load Deflection	3/8"	2/8"	2/8"	2/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"	1/8"
Dia. of Spiral Bars															Non Composite
Mean Dia. of Spiral															
Spiral Pitch 0'-10" from Brg.	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'	Depth at 5'
• 10'-20' or 4' Span	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
• 20'-30' or 6' Span	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"
• 30'-40' or 8' Span	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
• 40'-50' or 10' Span	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
Total Struct. Steel (Span) (Lbs)	135,400	116,250	101,190	89,430	73,510	61,120	50,050	41,940	36,250	32,730	28,550	25,750	23,330	21,330	19,330
Reinforcing Bars 51	396	376	356	336	316	296	276	256	236	216	196	176	156	136	116
• 52	177	177	177	177	177	177	177	118	118	118	118	118	118	118	59
• 53	24	24	24	24	24	24	24	16	16	16	16	16	16	16	8
• 54	132	126	120	112	106	100	92	86	80	72	66	60	52	46	40
• 55	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
• 56A	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
• 57	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
Total Weight Rein. Bars (Lbs)	20540	19450	18360	17270	16180	15090	14000	12910	11820	10730	9640	8550	7460	6370	5280
Approx. Wt. Spiral Rein. (Lbs)	2100	2050	1980	1900	1780	1700	1580	1480	1360	1240	1130	1020	910	800	690
Total Wt. Concrete (Mod. C.T.)	104	100	96	91	86	80	76	70	66	61	56	52	46	41	36
Total Wt. Concrete (Mod. C.T.)	26	24	23	22	21	19	18	17	15	14	13	12	10	9	8
Total Wt. Concrete (Mod. C.T.)	106	100	95	90	84	79	74	69	63	58	52	47	42	36	31
Approx. Quantity 3" x 7" Slabs	2340	2280	2230	2180	2130	2080	1980	1880	1780	1680	1580	1480	1380	1280	1180
Approx. Quantity 8" x 7" Slabs	1700	1660	1570	1480	1410	1330	1250	1170	1090	1010	930	850	770	690	610

* Excluding Scuppers & Big Devices.

REINFORCING STEEL SCHEDULE

Span	51-55	52-53	54-56	57-58	59-60	61-62	63-64	65-66	67-68	69-70	71-72	73-74	75-76	77-78	79-80	81-82	83-84	85-86	87-88	89-90
Span	36'	39'	44'	49'	54'	59'	64'	69'	74'	79'	84'	89'	94'	99'						
Bar	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70
Length	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"	33'-8"
B.I.D.	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"
Total Length	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"	6'-0"
T.L. - 5'-8"																				
T.L. - 1'-0"																				
T.L. - 1'-5"																				
T.L. - 1'-8"																				
T.L. - 2'-0"																				
T.L. - 2'-3"																				
T.L. - 2'-6"																				
T.L. - 2'-9"																				
T.L. - 3'-0"																				
T.L. - 3'-3"																				
T.L. - 3'-6"																				
T.L. - 3'-9"																				
T.L. - 4'-0"																				
T.L. - 4'-3"																				
T.L. - 4'-6"																				
T.L. - 4'-9"																				
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T.L. - 7'-6"																				
T.L. - 7'-9"																				
T.L. - 8'-0"																				
T.L. - 8'-3"																				
T.L. - 8'-6"																				
T.L. - 8'-9"																				
T.L. - 9'-0"																				

Revisions & Corrections

Drawn By: D.P.B. Oct. 1962
 Checkd By: D.P.B. Oct. 1962
 Checked By: H.R.K. Oct. 1962
 Approved: [Signature] 10/1/62
 Approved: [Signature] 10/1/62
 Approved: [Signature] 10/1/62

TYPICAL SECTION, PLAN VIEW, & QUANTITIES
 24 FOOT ROADWAY W-BEAM BRIDGES

EMERGENCY LOADING - H20 - S16 - 44 (S.D.T.M. A-26-G27 316)
 34'-0" NON-COMPOSITE, 49'-0" COMPOSITE
 FOR ADDITIONAL DETAILS SEE STANDARD SPEC-D62

VERMONT
 DEPARTMENT OF HIGHWAYS
 STRUCTURE STANDARDS

WESTMINSTER-NORWICH
 IM BPNT (8)
 SHEET 36 OF 58
 FOR REFERENCE ONLY

SCB-24-62