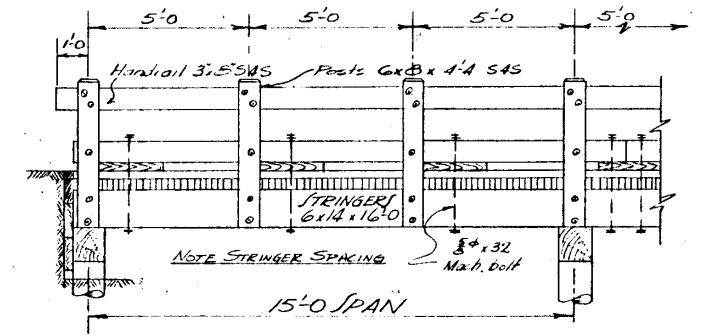
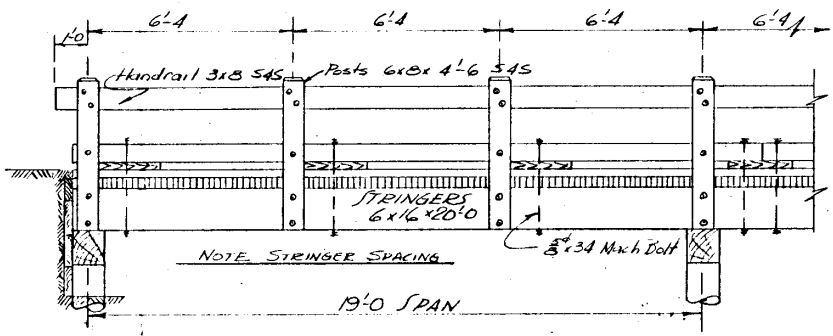
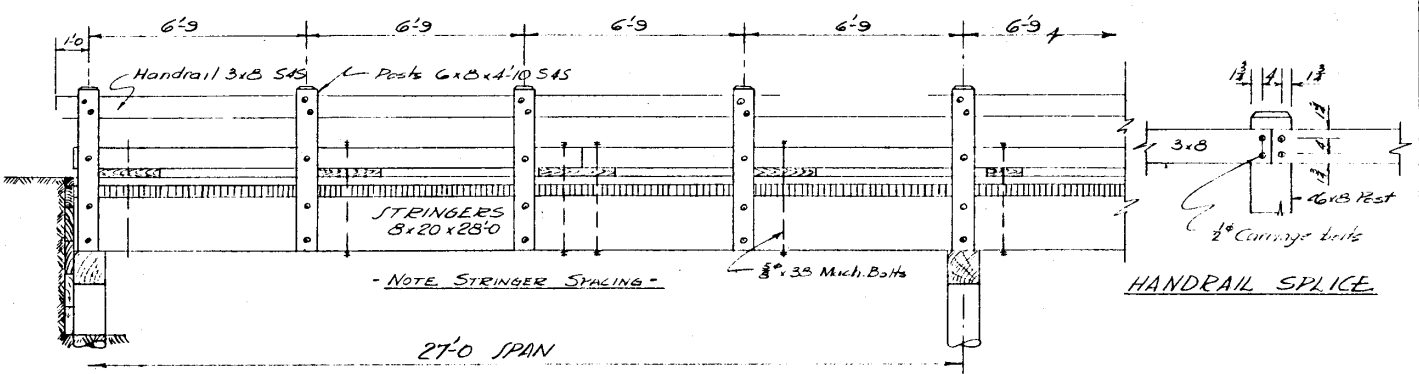


TYPICAL HALF SECTION OVER CAP AND BRACING DETAILS

TYPICAL HALF SECTION AT MIDSPAN AND SHEATHING DETAILS



ELEVATION VIEWS

- HARDWARE -

BOLTS		WASHERS	
Type	Size	Where Used	No. per Bolt
Carriage	3/4"	Handrail (All spans)	2 M.A.
Machine	5/8" x 16	End Rail posts (All spans)	2 "
"	5/8" x 12	Stringer bolt joints (16' & 20')	2 O.G.
"	5/8" x 14	Stringers thru posts (16' & 20')	2 O.G.
"	5/8" x 14	Stringer bolt joint (28')	2 O.G.
"	5/8" x 16	Stringers thru posts (28')	2 O.G.
"	5/8" x 17	Sway bracing (All spans)	2 "
"	5/8" x 18	Wheelguard to posts (All spans)	1 M.A.
"	5/8" x 20	Sway bracing (All spans)	2 O.G.
"	5/8" x 32	Stringers thru curbs (16')	2 O.G.
"	5/8" x 34	Stringers thru curbs (20')	2 "
"	5/8" x 36	Stringers thru curbs (28')	2 "
DRIFT	3/4" x 22	Stringers to caps (16')	
"	3/4" x 22	Caps to pikes (All spans)	
"	3/4" x 14	Stringers to caps (20')	
"	3/4" x 25	Stringers to caps (28')	

NOTES:

LAMINATED FLOOR: 2x4 laminated floor S1E to 3/8". No piece laminated flooring to be spliced more than once, and no piece shall be less than 2' in length. Splices shall be made only over counterline of stringers and shall be staggered so that no splice will occur along any stringer other than in every fourth piece of flooring. At least every fourth piece of flooring shall be the full distance between handrail posts. Laminated flooring to be fastened to alternate stringers with 20d nails, and nailed to adjacent strips with 40d nails at 18" centers, staggered.

STRINGERS: To be sized to uniform depth at points of bearing. Fasten each stringer to caps with 3/4" drift bolts. Outside stringers to have butt joints. Intermediate stringers to have lap joints.

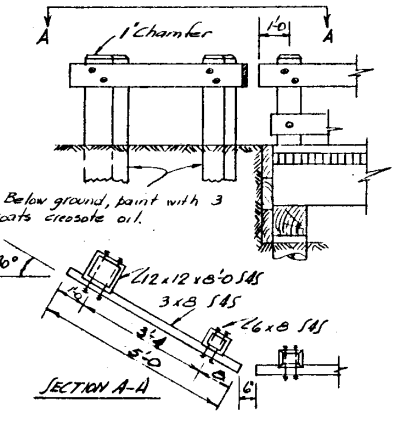
BOLT HOLES: Holes for drift bolts and machine bolts to be same diameter as both.

TREATMENT OF TIMBER - IMPORTANT: (a) Pile tops under caps shall be coated with three (3) applications of creosote oil and thoroughly covered with hot roofing pitch. (b) Exposed pile tops shall be treated as above, and in addition, shall be covered with a coat of 15 ga. galvanized iron, of a size at least 4" greater in diameter than the pile, to be bent down, neatly trimmed and fastened to the pile face with galvanized roofing nails. (c) Treated timber shall be carefully handled so as to avoid breaking of outer fibers, or bruising, or penetrating the surface. Tools shall be used only on ends of timbers. (d) Before laying subdeck, tops of stringers shall be coated with one liberal coat of creosote oil. (e) All cuts and abrasions in treated timber, shall, after careful trimming, be coated with 2 applications of creosote oil, and be thoroughly covered with hot roofing pitch. (f) Bolt holes bored after treatment shall be carefully treated with creosote oil. Any unfilled holes shall be sealed with creosote plugs.

STRIPDECK: shall be spruce or pine S1E and shall be laid heartside down, with tight joints for unseasoned material. Stripdeck planks shall be nailed with 1-6" spike at 5'-0" spacing staggered along plank, with two spikes at end of each plank. At end of bridge stripdeck to be beveled.

PAINTING: Railposts and handrail shall receive three coats of approved white paint.

SPECIFICATIONS: Permissible fibre stress 1100 p.s.i. - selected fir.
 Dead Load: 50 lbs. per sq. ft. - Timber.
 Stringer Spacing: @ AASHO



DETAIL AT END OF BRIDGE

Where no swept-back wings are constructed

DESIGNED BY: W.O. Jan 18 1949
 DRAWN BY: W.O. Jan 24 1949
 CHECKED BY: E.S. May 19 1949
 TRACED BY: W.S.C. May 19 1949

APPROVED BY: *L.S. Beville*
 DATE: June 1949
 BRIDGE ENGINEER

SUPERSEDED

PROVINCE of ALBERTA
 DEPARTMENT of PUBLIC WORKS
 BRIDGE BRANCH

 1949 STANDARD TIMBER SPANS
 24'-0" ROADWAY
 SECONDARY HIGHWAY
 SCALE: 1/8"=1'-0" Except as Noted LATE Mar 16, 1949
 DRWG No. 5502 SHEET 2 of 5

10/1
 5319
 69