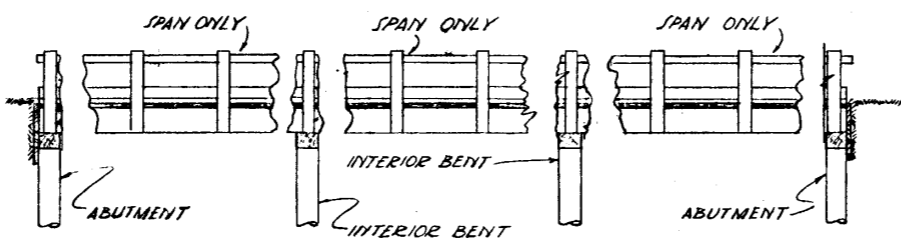


COMPILED BY: A.S.E. May 26 '49
 CHECKED BY: E.S.J. June 1 '49
 APPROVED: *[Signature]* BRIDGE ENGINEER

			20' ROADWAY						24' ROADWAY						30' ROADWAY									
SIZE & DESCRIPTION			16' SPAN ONLY	20' SPAN ONLY	28' SPAN ONLY	ABUTMENT ONLY		INTERIOR BENT & SWAY BRACING		16' SPAN ONLY	20' SPAN ONLY	28' SPAN ONLY	ABUTMENT ONLY		INTERIOR BENT & SWAY BRACING		16' SPAN ONLY	20' SPAN ONLY	28' SPAN ONLY	ABUTMENT ONLY		INTERIOR BENT & SWAY BRACING		
						N ^o	SPAN	N ^o	SPAN				N ^o	SPAN	N ^o	SPAN				N ^o	SPAN	N ^o	SPAN	N ^o
CARRIAGE	Handrail	1/2" x 9	8	8	16	4	All	8	All	8	8	16	8	All	8	All	8	8	16	8	All	8	All	
	Handrail (End)	1/2" x 16	-	-	-	-	-	-	-	-	-	-	4	All	-	-	-	-	-	4	All	-	-	
MACHINE	Stringer butt joints	5/8" x 12	-	-	-	-	-	8	16' & 20' (Omit if 16' or 20' meets 28')	-	-	-	-	-	8	16' & 20' (Omit if 16' or 20' meets 28')	-	-	-	-	-	8	16' & 20' (Omit if 16' or 20' meets 28')	
	Stringer thru posts	5/8" x 14	8	8	-	4	16' & 20'	8	28'	8	8	-	4	16' & 20'	8	28'	8	8	-	4	16' & 20'	8	28'	
	Stringer butt joint	5/8" x 14	-	-	-	-	-	8	*	-	-	-	-	-	8	*	-	-	-	-	-	-	-	
	Sway bracing	5/8" x 16	8*	8*	12	4	28'	12	16' & 20' 28'	8*	8*	12	4	28'	10	28'	-	-	12	4	28'	18	All	
	Stringers thru posts (All)	5/8" x 16	-	-	-	4	*	8	*	-	-	-	4	*	8	*	-	-	-	-	-	-	-	
	Wheelguard to Posts	5/8" x 18	4	4	6	2	All	6	16'-20' 4 if meets 28'	4	4	6	2	All	4	16'-20' 4 if meets 28'	4	4	6	2	All	6	16'-20' 4 if meets 28'	
	Stringers to post (at splice)	5/8" x 18	-	-	-	-	-	2	28'	-	-	-	-	-	2	28'	-	-	-	-	-	-	-	
	Sway bracing	5/8" x 20	-	-	-	-	-	8	*	-	-	-	-	-	4	16'-20' 28'	-	-	-	-	-	-	4	28'
	Stringers thru Wheelguards	5/8" x 32	4	-	-	2	16'	2	16'	4	-	-	2	16'	2	16'	4	-	-	2	16'	2	16'	
	Stringers thru Wheelguards	5/8" x 34	-	4	-	2	20'	2	20'	-	4	-	2	20'	2	20'	-	4	-	2	20'	2	20'	
	Stringers thru Wheelguards	5/8" x 38	-	-	8	2	28'	2	28'	-	-	8	2	28'	2	28'	-	-	8	2	28'	2	28'	
DRIFT	Stringer to cap (16')	3/4" x 22	24	-	-	4	16'-20'	4	16'-20'	28	-	-	5	All	5	All	36	-	-	10	All	10	All	
	Cap to pile	3/4" x 22	12 - (if meets 28') 30*	-	-	5	*	5	*	14 - if meets 28' 32*	-	-	5	All	5	All	18 - if meets 28'	-	-	10	All	10	All	
	Stringer to cap (28')	3/4" x 24	-	24	-	-	-	-	-	-	28	-	-	-	-	-	-	36	-	-	-	-	-	
		3/4" x 24	-	12 - if meets 28' 30*	-	-	-	-	-	-	14 - if meets 28' 32*	-	-	-	-	-	-	18 - if meets 28'	-	-	-	-	-	
	Stringer to cap	3/4" x 28	-	-	20	-	-	12	If 16' or 20' meets 28'	-	-	24	-	-	14 - If 16' or 20' meets 28'	-	-	30	-	-	-	-	18 - If 16' or 20' meets 28'	
		3/4" x 28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	All	2	All		
WASHERS	M.I.	5/8"	16	16	32	8	All	16	All	16	16	32	24	All	16	All	16	16	32	24	All	16	All	
	M.I.	3/4"	4	4	6	2	All	2	All	4	4	6	2	All	2	All	4	4	6	2	All	2	All	
	O.G.	5/8"	28	28	46	14	All	46	16' & 20' 28'	28	28	46	14	All	50	16' & 20' 28'	28	28	46	14	All	60	All	

* SIGNIFIES NATIVE SPRUCE SPANS-



SUPERSEDED
By S519

PROVINCE of ALBERTA
 DEPARTMENT of PUBLIC WORKS
 BRIDGE BRANCH
 1949 STANDARD TIMBER SPANS
 HARDWARE LIST
 DRWG 504 May 26 1949
 Sheet 5 of 5

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