

COMPILED BY: H.C. MAR. 25, 1949
 DRAWN BY: H.C. MAR. 25, 1949
 CHECKED BY: H.C.
 TYPED BY: H.C.

		SUPERSTRUCTURE																																																								
		20'-0" ROADWAY						24'-0" ROADWAY						30'-0" ROADWAY																																												
		NUMBER OF PIECES						NUMBER OF PIECES						NUMBER OF PIECES																																												
		TWO 1/2 END SPANS			ONE INTERMEDIATE SPAN			TWO 1/2 END SPANS			ONE INTERMEDIATE SPAN			TWO 1/2 END SPANS			ONE INTERMEDIATE SPAN																																									
ITEM	REMARKS	DIMENSIONS			DIMENSIONS			DIMENSIONS			DIMENSIONS			DIMENSIONS			DIMENSIONS																																									
		15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"																																							
SPRINGERS	1/2" x 12"	12			12			14			14			18			18			18																																						
"	"		12			12			14			14			18			18		18																																						
"	"			10			10						12						15																																							
SALICE BLOCKS	SISIE				2	2					2	2							2	2																																						
"	"						2						2							2																																						
* SUB DECK	S&S or SISIE	2" x 14" x 26'-0"						36 (144)			120 (240)			168 (336)			90 (360)			114 (456)			162 (324)																																			
"	"	2" x 14" x 32'-0"															96 (384)			120 (480)			168 (672)																																			
"	"	4" x 10" x 22'-0"			20 (80)			24 (96)			34 (136)			18 (72)			23 (92)			33 (132)																																						
WHEELGUARDS	SISIE																			4																																						
"	"						4						4							4																																						
"	"																																																									
"	"						2						2							2																																						
"	"																																																									
"	"						2						2							2																																						
** SUB CURBS	SISIE		2						2																																																	
"	"	8	8	8	4	4	4	8	8	8	4	4	4	8	8	8	4	4	4	4																																						
"	"																																																									
STRIP DECK	SISIE	3" PLANK (F.B.M.)			1467			1760			2493			1320			1687			2420			1664			2080			2912			1560			1976			2808			2048			2560			3584			1920			2432			3456		
HANDRAIL	S&S	3" x 8" x 13'-6"																																																								
"	"	3" x 8" x 14'-0"			4																																																					
"	"	3" x 8" x 15'-0"						2																																																		
"	"	3" x 8" x 16'-0"			2																																																					
"	"	3" x 8" x 19'-0"																																																								
"	"	3" x 8" x 20'-0"						2																																																		
HANDRAIL POSTS	S&S	6" x 8" x 4'-6"			8			6			8			6			8			6			8			6			8			6			8			6			8																	
"	"	6" x 8" x 4'-8"			8			8			8			8			8			8			8			8			8			8			8			8			8																	
"	"	6" x 8" x 5'-0"						10			8			10			8			10			8			10			8			10			8			10			8																	

* Order Subdeck by giving the F.B.M. in brackets as follows:
 20'-0" Roadway - F.B.M. 4" x 10" x 12'-22"
 24'-0" Roadway - F.B.M. 2" x 4" to laminate 26"
 30'-0" Roadway - F.B.M. 2" x 4" to laminate 32"
 ** Order by giving the no. of F.B.M. of 3" plank.
 *** Includes 4 piles at bridge ends (straight backing).
 NOTE:
 2 washers each machine bolt
 1 washer each carriage bolt
 except as noted in brackets.

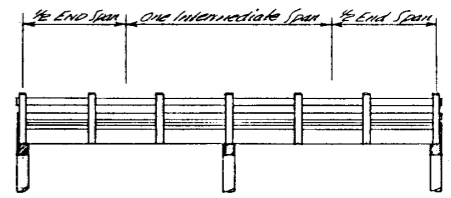


DIAGRAM USED FOR LISTING TIMBER AND HARDWARE

		HARDWARE																	
		20'-0" ROADWAY						24'-0" ROADWAY						30'-0" ROADWAY					
ITEM	SIZE	LOCATION			LOCATION			LOCATION			LOCATION			LOCATION			LOCATION		
		15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"	15'-0"	19'-0"	27'-0"
CARRIAGE BOLTS	1/2" x 9"	16	16	20	16	16	24	16	16	20	16	16	20	16	16	20	16	16	24
"	3/8" x 18"	8	8	10	6	6	8	8	8	10	6	6	8	8	8	10	6	6	8
MACHINE BOLTS	3/8" x 15"	20 (10)	20 (10)								24 (12)	24 (12)					32 (16)	32 (16)	
"	3/8" x 19"			16 (8)							24 (12)	24 (12)	20 (10)				32 (16)	32 (16)	26 (13)
"	3/8" x 32"	6			8			8			8			6			8		8
"	3/8" x 34"		6			8		8				8		6			8		8
"	3/8" x 38"			10			12			12			12			10			12
"	3/8" x 16"	16	16		14	14		16	16		14	14		16	16		14	14	
"	3/8" x 18"			20			18			20			18			20			18
"	3/8" x 17"	16	16	16	4	4	4	12	12	12	4	4	4	12	12	12	6	6	6
"	3/8" x 20"	16	16	16	4	4	4	12	12	12	4	4	4	12	12	12	6	6	6
"	3/4" x 26"													8	8	8	4	4	4
DRIIFT PINS	3/4" x 24"	8	8	8	5	5	5	10	10	10	5	5	5	12	12	12	6	6	6
"	3/4" x 22"	24						30						36			6	6	6
"	3/4" x 24"		24						32						36				
"	3/4" x 28"			20												30			
SPINES	7" x 3/4"				16	16	16				16	16	16				24	24	24
NAILS																			

SUPERSEDED
By 5-519

TABLE OF SWAY BRACING - SINGLE SET						
HEIGHT UNDER CAP	No. Pieces	DIMENSIONS	No. Pieces	DIMENSIONS	No. Pieces	DIMENSIONS
7'-0"	4	3" x 10" x 12'-0"	4	3" x 10" x 14'-0"	4	3" x 10" x 22'-0"
8'-0"	4	14'-0"	4	14'-0"	4	14'-0"
9'-0"	4	14'-0"	4	16'-0"	4	16'-0"
10'-0"	4	14'-0"	4	16'-0"	4	16'-0"
11'-0"	4	16'-0"	4	16'-0"	4	16'-0"
12'-0"	4	16'-0"	4	18'-0"	4	18'-0"
13'-0"	4	16'-0"	4	18'-0"	4	18'-0"
14'-0"	4	18'-0"	4	18'-0"	4	18'-0"
15'-0"	4	18'-0"	4	20'-0"	4	20'-0"

PROVINCE OF ALBERTA
 DEPARTMENT OF PUBLIC WORKS
 BRIDGE BRANCH
BILL OF MATERIALS
 1949
STANDARD TIMBER SPANS
 DATE Mar. 28, 1949
 SHEET 4 of 4 sheets
 DRAWING NO. 5504