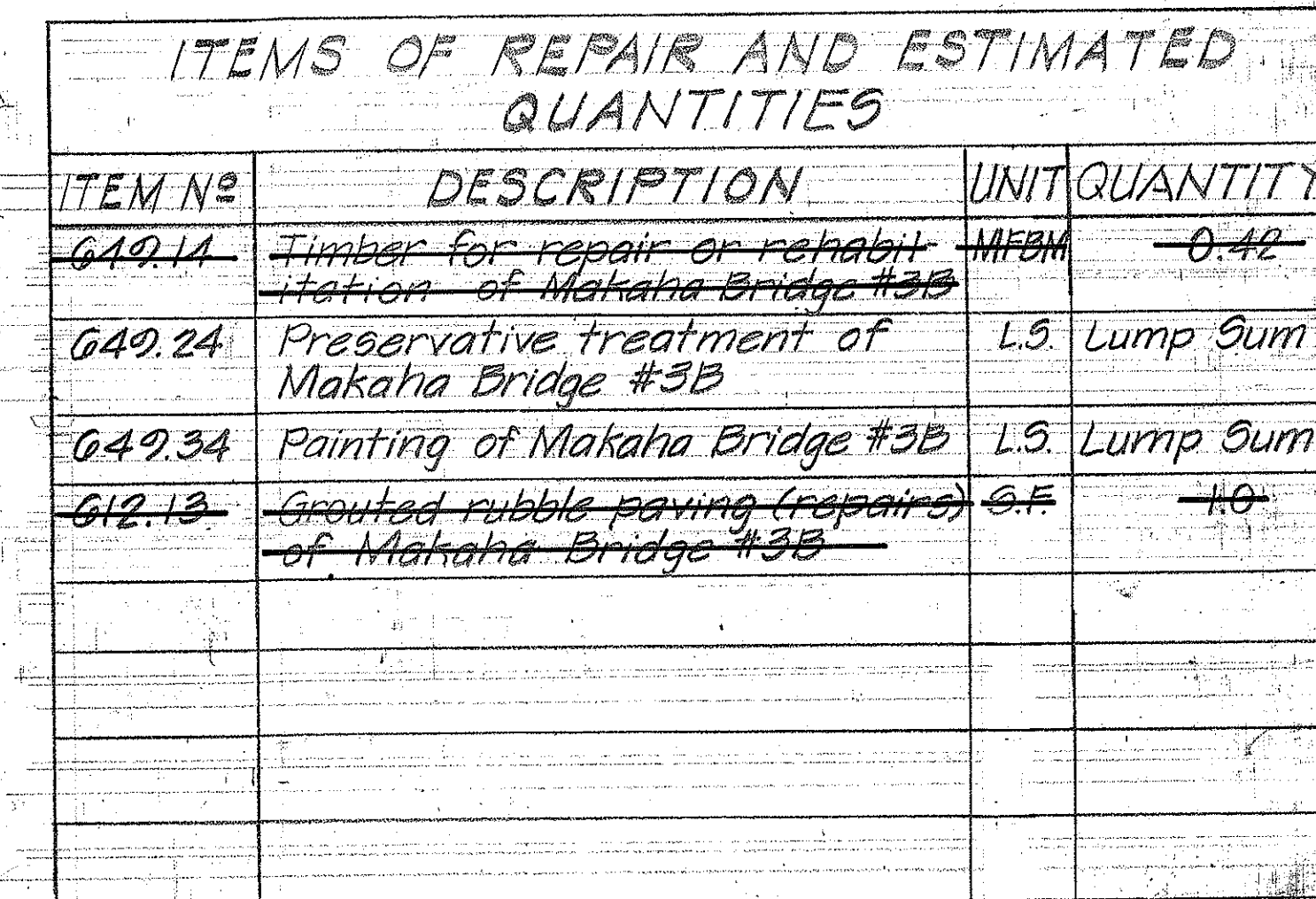


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	WP30 298	1937	12	17



Repair Paving & New Cut-off Wall

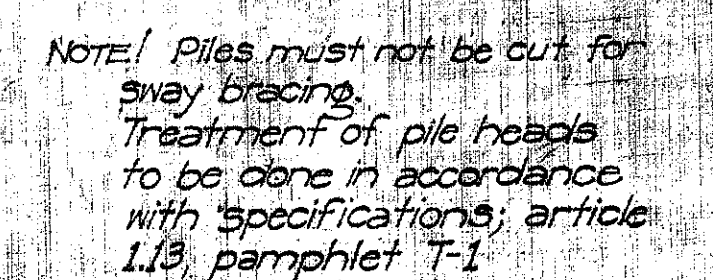
Approx. Exist. Grade

15' Min.

12"

EXIST. GRP.

TYPICAL SECTION



NOTE!
All details not shown are the same as those shown for other bridges

TIMBER - BILL OF MATERIAL						
MEMBERS	No. REQ'D.	SIZE & LENGTH	KIND OF LUMBER	MILL WORK	Ft. B.M.	
		Douglas Fir	- Coast Region			
Cap	2	12"x12" 34'-0"	1000' f Structural Post & Timber	SIS	816	
Solid Bridging	2	4"x18" 16'-0"	No. 1 Dimension	S/E	192	
"	4	4"x18" 10'-0"	"	S/E	240	
Wheel Guard	3	8"x8" 20'-0"	1000' f Structural Posts & Timbers	SISIE	320	
Decking (Floor)	426	2"x6" 26'-0"	1000' f Structural Joist & Plank	SISIE	6480	
Stringers	36	6"x18" 20'-0"	1000' f Structural Joist & Plank	SISIE	156	
Deck Starter	2	6"x6" 26'-0"	1000' f Structural Joist & Plank	SISIE	120	
Salvage Block	4	6"x18" 20'-0"	1000' f Joist & Plank	SISIE	64	
"	2	6"x18" 20'-0"	"	SISIE	64	
Wheel Guard	3	10"x12" 20'-0"	1000' f Structural Posts & Timbers	SISIE	600	
Railing	*	6	3"x8" 20'-0"	1000' f Structural Joist & Plank	S4S	240
"	*	6	4"x8" 20'-0"	"	S4S	320
Railing Post	*	10	8"x8" 12'-0"	"	S4S	640
Sidewalk Joist Block	2	12"x14" 8'-0"	1000' f Structural Joist & Timbers	S/E	224	
"	2	6"x14" 8'-0"	"	S/E	149	
Railing Post Blocks	8	6"x18" 1'-5/16"	1000' f Structural Joist & Plank	SISIE	48	
Guard Rail	*	1	10"x12" 18'-0"	"	S4S	180
"	*	1	4"x8" 18'-0"	"	S4S	48
Guard Post	*	2	12"x12" 18'-0"	"	S4S	240
Cross Bridging	12	2"x4" 14'-0"	No. 1 Dimension	Rough	112	
Sidewalk Plank	22	2"x6" 16'-0"	"	SIS	469	
Wall Plate	4	3"x8" 16'-0"	1000' f Structural Joist & Plank	SIS	128	
Corner Blocking	1	8"x8" 14'-0"	1000' f Structural Joist & Plank	S/E	10	
Guard Rail	1	3"x8" 16'-0"	1000' f Structural Joist & Plank	S4S	48	
Sidewalk end timber	1	8"x8" 8'-0"	1000' f Structural Joist & Plank	SISIE	36	
Bracing	4	3"x10" 22'-0"	1000' f Joist & Plank	Rough	220	
"	4	3"x10" 20'-0"	"	Rough	200	
Deck (Floor)	1	1"x6" 26'-0"	1000' f Structural Joist & Plank	SISIE	18	
Sidewalk Plank	1	2"x6" 12'-0"	No. 1 Dimension	SIS	16	
Treated Piles	20	35'-0" long	Total - Douglas Fir	Total - Treated Piles	2337.4	

NOTE: Refer to Typical Detail sheet # T-1 for notes and additional details

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

<u>REHABIL</u>	<u>REPAIRS TO</u>
<u>(IST) G. MAK.</u>	<u> </u>

THIS DRAWING IS IN PART
ORIGINAL CONTRACT PLANS OF
EXISTING MAKAHA BRIDGE #3B
FOR INFORMATION & GUIDANCE
TO REPAIR WORKS.

PROJ. NO. HWY-0-01-72 NOV, 1972
SHEET NO. 1 OF 2 SHEETS

