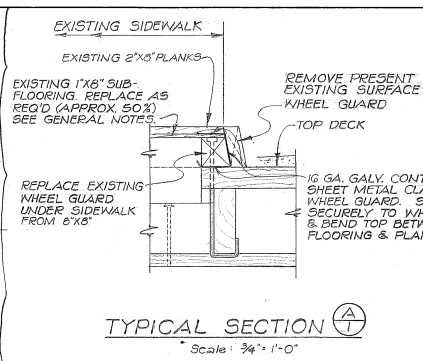
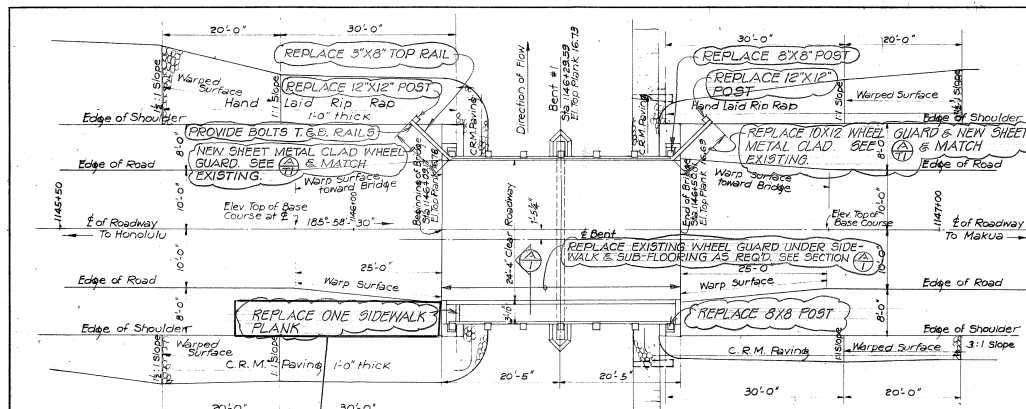
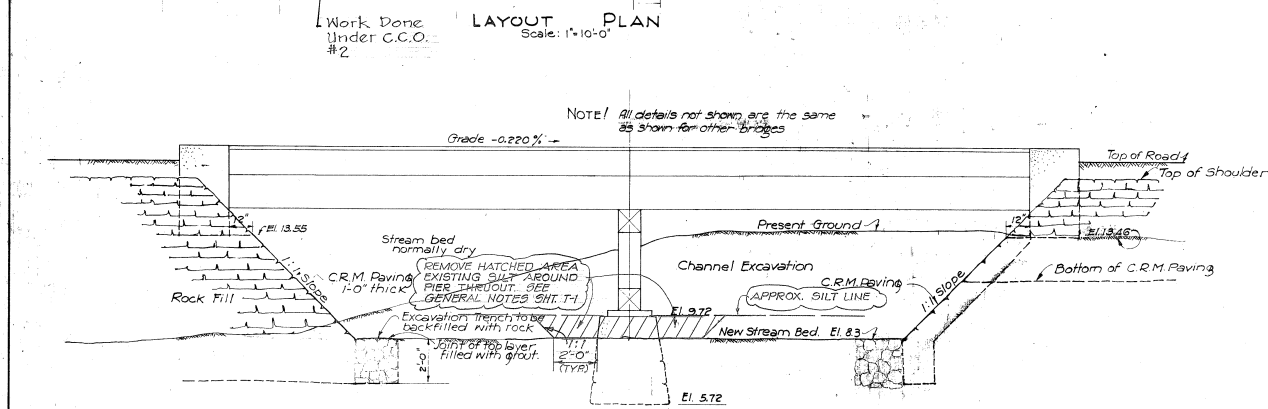


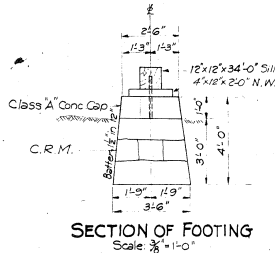
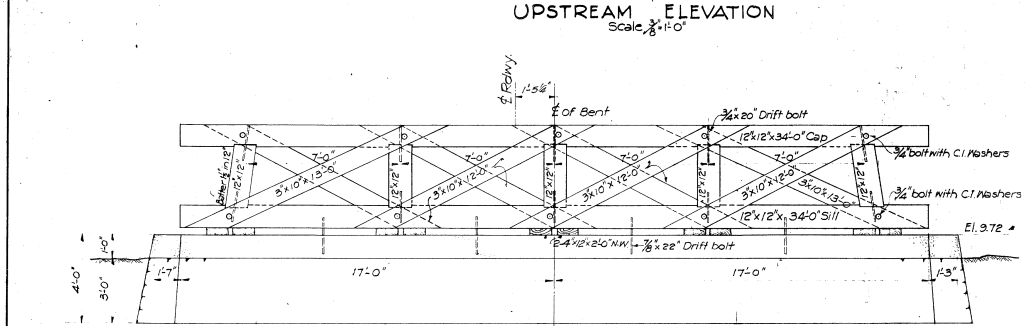


FED. ROAD DIST. NO.	STATE	PROJ. NO.	YEAR	SHEET NO.	TOTAL SHEETS
1465+20	HAW.	HWY-0-01-72	1972	48	49

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
649.16	Timber for repair or rehabilitation of Makaha Bridge #5	MBM	0.49
649.20	Preservative treatment of Makaha Bridge #5	Lb Lump Sum	
649.30	Painting of Makaha Bridge #5	Lb Lump Sum	



MEMBER	No. REQD.	SIZE LENGTH	KIND OF LUMBER	MILL WORK	FT.-B.M.
Sill	1	12"x12"x34'-0"	Coast Region Douglas Fir	S/S	408
Cap	1	12"x12"x34'-0"	Coast Region Douglas Fir	S/S	408
Posts	2	12"x12"x16'-0"	No. 1 Dimension	Rough	192
Solid Bridging	2	4"x12"x16'-0"	No. 1 Dimension	S/E	192
Sidewalk Planking	15	2"x8"x16'-0"	No. 1 Dimension	S/S	320
Cross Bridging	8	2"x8"x16'-0"	No. 1 Dimension	Rough	86
Decking (Floor)	286	2"x8"x20'-0"	No. 1 Dimension	S/S/E	4320
Stringers	24	6"x12"x20'-0"	No. 1 Dimension	S/S/E	4320
Wheel Guard	2	8"x8"x20'-0"	No. 1 Dimension	S/S/E	272
Decking (Floor)	1	12"x12"x34'-0"	No. 1 Dimension	S/S	408
Guard Rail	4	12"x12"x34'-0"	No. 1 Dimension	S/S	408
Wheel Guard	2	10"x12"x20'-0"	No. 1 Dimension	S/S/E	400
Deck Starter	2	6"x6"x20'-0"	No. 1 Dimension	S/S/E	156
Rolling Posts	7	8"x8"x12'-0"	No. 1 Dimension	S/S	448
Sidewalk Joist Block	1	12"x12"x4'-0"	No. 1 Dimension	S/E	96
Rolling	1	8"x12"x8'-0"	No. 1 Dimension	S/E	72
Rolling	4	4"x8"x20'-0"	No. 1 Dimension	S/S	216
Guard Rail	4	3"x8"x20'-0"	No. 1 Dimension	S/S	160
Guard Post	1	4"x8"x8'-0"	No. 1 Dimension	S/S	48
Guard Post	2	12"x12"x8'-0"	No. 1 Dimension	S/S	240
Bracing	2	3"x10"x12'-0"	No. 1 Dimension	Rough	70
Sidewalk End Timber	1	8"x8"x8'-0"	No. 1 Dimension	S/S/E	43
Corner Blocking	1	2"x8"x10'-0"	No. 1 Dimension	S/E	10
Sidewalk Planking	1	2"x8"x12'-0"	No. 1 Dimension	S/S	36
Bearing Blocks	10	4"x12"x2'-0"	No. 1 Dimension	S/S	20
Splice Blocks	1	6"x12"x3'-0"	No. 1 Dimension	S/S	27
Wall Plate	2	6"x12"x3'-0"	No. 1 Dimension	S/S	54
Rolling Post Blocks	4	3"x8"x12'-0"	No. 1 Dimension	S/S	120
	6	6"x8"x12'-0"	No. 1 Dimension	S/S	36
			Total		16668



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

THIS DRAWING IS IN PART ORIGINAL CONTRACT PLANS OF EXISTING MAKAHA BRIDGE # 5 FOR INFORMATION & GUIDANCE TO REPAIR WORKS.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
REHABILITATION & REPAIRS TO EXISTING MAKAHA # 5
PROJ. NO. HWY-0-01-72 NOV, 1971
SHEET NO. 48 OF 49 SHEETS

ORIGINAL DRAWN BY: [Signature]
DATE: 11/15/71
CHECKED BY: [Signature]
DATE: 11/15/71
QUANTITIES BY: [Signature]
DATE: 11/15/71
NOTED BY: [Signature]
DATE: 11/15/71