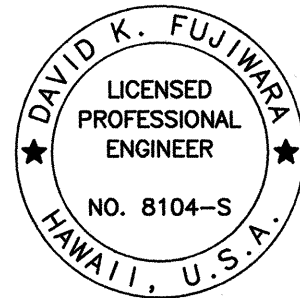


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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
NOTE BOOK	QUANTITIES BY	
	CHECKED BY	
No.		

INDEX TO BRIDGE DRAWINGS						FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
						HAWAII	HAW.	NH-019-2(55)	2004	52	112
SHEET NO.	DESCRIPTION	SHEET NO.	DESCRIPTION	ESTIMATED QUANTITIES							
S0.1	INDEX TO BRIDGE DRAWINGS AND ESTIMATED QUANTITIES	S6.1	DECK PLAN AND ELEVATION – KUKAIAU BRIDGE	ITEM NO.	ITEM	QUAN.	UNIT				
S0.2	BRIDGE GENERAL NOTES	S6.2	RAILING ELEVATIONS – KUKAIAU BRIDGE	503.1000	Concrete for Slab (Kawaili Bridge) (10 CY)	L.S.	L.S.				
S0.3	SYMBOLS AND ABBREVIATIONS	S6.3	TYPICAL DECK SECTIONS – KUKAIAU BRIDGE	503.1001	Concrete for Slab (Kekualele Bridge) (35 CY)	L.S.	L.S.				
				507.7000	Type I Concrete Bridge Railing	1,100	L.F.				
S1.1	DECK PLAN AND ELEVATION – EAST PAAUILO STREAM BRIDGE	S7.1	DECK PLAN AND ELEVATION – MOHUNA BRIDGE	507.7001	Type II Concrete Bridge Railing	70	L.F.				
		S7.2	RAILING ELEVATIONS – MOHUNA BRIDGE	507.7002	Type III Concrete Bridge Railing	160	L.F.				
S2.1	DECK PLAN AND ELEVATION – AAMANU STREAM BRIDGE	S7.3	TYPICAL DECK SECTION – MOHUNA BRIDGE	507.7003	Concrete Wing Wall Railing	45	L.F.				
S2.2	TYPICAL DECK SECTIONS – AAMANU STREAM BRIDGE			507.7004	Steel Bicycle Railing at Mohuna and Kukuiaua	890	L.F.				
S2.3	BRIDGE ELEVATION – AAMANU STREAM BRIDGE	S8.1	DEMOLITION PLAN AND ELEVATION – KEKUALELE BRIDGE	507.7005	Concrete End Posts, Type I (11 Each)	L.S.	L.S.				
		S8.2	DECK PLAN AND ELEVATION – KEKUALELE BRIDGE	507.7006	Concrete End Posts, Type II (4 Each)	L.S.	L.S.				
S3.1	BRIDGE PLAN AND ELEVATION – KAWAILI BRIDGE	S8.3	TYPICAL DECK SECTIONS – KEKUALELE BRIDGE	507.7007	Concrete End Posts, Type III (4 Each)	L.S.	L.S.				
S3.2	NEW BRIDGE PLAN AND ELEVATION – KAWAILI BRIDGE	S8.4	EXIST. END POST PLAN, SECTION AND DETAILS – KEKUALELE BRIDGE	602.1000	Reinforcing Steel for Slab (Kawaili Bridge) (1000 lb)	L.S.	L.S.				
S3.3	TYPICAL DECK SECTION – KAWAILI BRIDGE	S8.5	FOUNDATION PLAN AND SECTION – KEKUALELE BRIDGE – HILO/MAUKA	602.1001	Reinforcing Steel for Slab (Kekualele Bridge) (2000 lb)	L.S.	L.S.				
S3.4	END POST EXIST. & DEMOLITION PLANS, SECTS. & DTLs – KAWAILI BRIDGE	S8.6	FOUNDATION PLAN AND SECTION – KEKUALELE BRIDGE – HONOKAA/MAKAI	606.3220	Guardrail Type 3 Thrie Beam with Steel Posts	890	L.F.				
S3.5	NEW END POST PLAN & ELEVATION – KAWAILI BRIDGE – PAAUILO/MAKAI	S8.7	SECTIONS AND DETAILS – KEKUALELE BRIDGE	655.1000	Drilling Holes and Installing Dowel Reinforcing Bars for Slab (Kawaili Bridge)	180	Each				
S3.6	NEW END POST SECTION AND DETAILS – KAWAILI BRIDGE	S8.8	EXIST. END POST PLAN, SECTION AND DETAILS – KEKUALELE BRIDGE	655.1001	Drilling Holes and Installing Dowel Reinforcing Bars for Slab (Kekualele Bridge)	420	Each				
S3.7	END POST EXIST. & DEMOLITION PLANS, SECTS. & DTLs – KAWAILI BRIDGE	S8.9	FOUNDATION PLAN AND SECTION – KEKUALELE BRIDGE – HONOKAA/MAUKA	660.1000	Repair of Expansion Joint	L.S.	L.S.				
S3.8	NEW END POST PLAN AND ELEVATION – KAWAILI BRIDGE – PAAUILO/MAKAI	S8.10	FOUNDATION PLAN AND SECTION – KEKUALELE BRIDGE – HILO/MAKAI								
S3.9	NEW END POST SECTION AND DETAILS – KAWAILI BRIDGE	S8.11	SECTIONS AND DETAILS – KEKUALELE BRIDGE								
S3.10	END POST EXIST. & DEMOLITION PLANS, SECTS. & DTLs – KAWAILI BRIDGE										
S3.11	NEW END POST PLAN AND ELEVATION – KAWAILI BRIDGE – HILO/MAKAI	S9.1	TYPICAL END POST UPGRADE PLAN AND ELEVATION								
S3.12	NEW END POST SECTION AND DETAILS – KAWAILI BRIDGE	S9.2	TYPICAL END POST UPGRADE PLAN, ELEVATION AND SECTION								
S3.13	END POST EXIST. & DEMOLITION PLANS, SECTS. & DTLs – KAWAILI BRIDGE	S9.3	TYPICAL END POST UPGRADE SECTIONS								
S3.14	NEW END POST PLAN & ELEVATION – KAWAILI BRIDGE – HILO/MAUKA	S9.4	TYPICAL END POST UPGRADE SECTIONS								
S3.15	SECTIONS AND DETAILS – KAWAILI BRIDGE	S9.5	TYPICAL END POST UPGRADE SECTIONS								
S3.16	PIPE BRACKET DETAILS – KAWAILI BRIDGE	S9.6	TYPICAL END POST UPGRADE SECTIONS								
		S9.7	TYPE I CONCRETE RAILING UPGRADE SECTIONS								
S4.1	DECK PLAN AND ELEVATION – KAINEHE BRIDGE										
S4.2	TYPICAL DECK SECTIONS – KAINEHE BRIDGE	S10.1	RAILING SECTIONS AND DETAILS								
S4.3	BRIDGE ELEVATIONS – KAINEHE BRIDGE	S10.2	RAILING DETAILS								
S4.4	WING WALL #1 PLAN AND ELEVATION – KAINEHE BRIDGE	S10.3	METAL BIKEWAY AND INTERMEDIATE RAILING ON CONCRETE RAIL DETAILS								
S4.5	WING WALL #1 – KAINEHE BRIDGE	S10.4	GUARD RAIL AND PEDESTRIAN RAILING SECTIONS AND DETAILS								
S4.6	TYPICAL WALL SECTIONS – KAINEHE BRIDGE	S10.5	EXPANSION JOINT DETAILS								
S5.1	DECK PLAN AND ELEVATION – KALAPAHAPUU BRIDGE										
S5.2	TYPICAL DECK SECTIONS – KALAPAHAPUU BRIDGE										
S5.3	BRIDGE ELEVATIONS – KALAPAHAPUU BRIDGE										



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

SIGNATURE: *David K. Fujiwara* 4-30-04
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
INDEX TO BRIDGE DRAWINGS AND ESTIMATED QUANTITIES HAWAII BELT ROAD RESURFACING East Paauiilo Bridge to Kaala Bridge Federal Aid-Project No. NH-019-2(55)
Scale: None Date: April 2004
SHEET No. 50.1 OF 61 SHEETS