FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
DIST. NO.		PROJ. NO.	YEAR	NO.	SHEETS
HAWAII	HAW.	BR-0100(57)	2001	5	88

- Indicates Item for

— Indicates Item for Waiaama Bridge

Hanawi Bridge

<u>LEGEND:</u>

206.6000A

206.6000B

ESTIMATED QUANTITIES

ITEM NO.	1TEM	QUANTITY	UNIT	TEM NO.	I TEM	QUANTITY	UNIT
206.6000A	Structure Excavation at Abutment	16	CY	503.1085A	Concrete in Creep Block at Pier	20	CY
206.6000B	Structure Excavation at Abutment	16	CY	503.1085B	Concrete in Creep Block at Pier	8	CY
206.6000E	Structure Excavation at Abutment	25	CY		Concrete in Creep Block at Pier	1	CY
206.6001D	Structure Excavation for Beam	18	CY	503.1086A	Concrete in Creep Block at Abutment	3	CY
					Concrete in Creep Block at Abutment	3	CY
	Structure Excavation for Footing	320	CY	50740074		7/	
200.0002E	Structure Excavation for Footing	60	CY		Concrete in Footing for Pier Concrete in Footing for Pier	35 80	CY CY
206.6004D	Trench Excavation for Pipe	45	CY				
		· · · · · · · · · · · · · · · · · · ·		503.1088A	Concrete in Pier	80	CY
206.7200A	Structure Backfill at Abutment	10	CY				
<i>206.7200B</i>	Structure Backfill at Abutment	10	CY	503.1089D	Concrete in Beam	10	CY
206.7200E	Structure Backfill at Abutment	21	CY				
206.7201D	Structure Backfill for Beam	14	CY	511.1201A	Drilled Shafts	276	LF
200.72010	Structure Backiiii ioi Beaiii	74	C7				
206 72024	Structure Paulifill for Footing	245	CV	511.1202A	Unclassified Shaft Excavation	276	<u>LF</u>
	Structure Backfill for Footing Structure Backfill for Footing	245 35	<u>CY</u>				
200.7202E	Structure Backtill for Footing	30	<i>C1</i>	511.1203A	Drilled Shaft Sidewall Overreaming	276	LF
206.7203D	Trench Backfill for Pipe	35	CY			,	
				602.0090A	Reinforcing Steel in Bumper Between Abutment Backwall and Girder	350	LB
501.0101E	Structural Steel for Seat Extender	520	LB	602.0090B	Reinforcing Steel in Bumper Between Abutment Backwall and Girder	310	LB
503.1080A	Concrete in Bumper Between Abutment Backwall and Girder	5	CY				
503.1080B	Concrete in Bumper Between Abutment Backwall and Girder	5	CY	602.0091A	Reinforcing Steel in Diaphragm at Pier	5900	LB
				602.0091B	Reinforcing Steel in Diaphragm at Pier	2200	LB
	Concrete in Diaphragm at Pier	40	CY				
<i>503.1081B</i>	Concrete in Diaphragm at Pier	16	CY		Reinforcing Steel in Diaphragm at Abutment Reinforcing Steel in Diaphragm at Abutment	1150 1060	LB LB
503.1082A	Concrete in Diaphragm at Abutment	8	CY				·
<i>503.1082B</i>	Concrete in Diaphragm at Abutment	8	CY	602.0093A	Reinforcing Steel in Seat Extender at Pier	6370	LB
				602.0093B	Reinforcing Steel in Seat Extender at Pier	2820	<u>LB</u>
		35	CY	600,000,44	Deiefereier Charlie Coah Fahrader at Matter	1700	
503.1083B	Concrete in Seat Extender at Pier	16	CY	602.0094A	Reinforcing Steel in Seat Extender at Abutment	1320	<u>LB</u> IB
					Reinforcing Steel in Seat Extender at Abutment Reinforcing Steel in Seat Extender at Abutment	1320 550	LB LB
503.1084A	Concrete in Seat Extender at Abutment	12	CY		I The state of the		
	Concrete in Seat Extender at Abutment	12	CY				
	Concrete in Seat Extender at Abutment	6	CY		Reinforcing Steel in Creep Block at Pier	5950	LB
				602.0095B	Reinforcing Steel in Creep Block at Pier	2940	LB
<.				602.0095C	Reinforcing Steel in Creep Block at Pier	470	LB

Indicates Item for Pepeekeo Plantation Overpass Road Bridge

206.6000D

Indicates Item for Paheehee Mauka Bridge No. 3 Bridge

206.6000E

Indicates Item for Paheehee Bridge

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ESTIMATED QUANTITIES

HAWAII BELT ROAD

SEISMIC RETROFIT OF VARIOUS BRIDGES

VICINITY OF PEPEEKEO, HAWAII — UNIT 1

FEDERAL—AID PROJECT NO. BR—0100(57)

SCALE: AS NOTED

DATE: March 2001

SHEET No. G1.3 OF 5 SHEETS

FILE: 7009G13.DWG PLOT: 1 = 1 Į

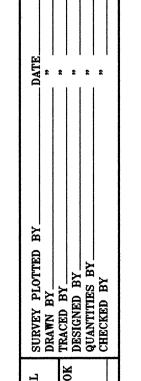
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS		
HAWAII	HAW.	BR-0100(57)	2001	6	88		

<u>LEGEND:</u>

ESTIMATED QUANTITIES

					·			<u>LEGEND.</u>	
ITEM NO.	ITEM	QUANTITY	UNIT	ITEM NO.	ITEM	QUANTITY	UNIT	206.6000A	
602 00964	Reinforcing Steel in Creep Block at Abutment	1300	LB	655 1005A	Drilling Holes and Installing Dowels for Creep Block at Abutment	100	EACH	•	
602.0096B	Reinforcing Steel in Creep Block at Abutment	1300	LB		Drilling Holes and Installing Dowels for Creep Block at Abutment	100	EACH	L	- Indicates Item for
									Hanawi Bridge
602 00074	Reinforcing Steel in Footing at Pier	3400	LB	655 10061	Drilling Holes and Installing Dowels for Footing Encasement	130	EACH	206.6000B	
	Reinforcing Steel in Footing at Pier	2500	LB LB		Drilling Holes and Installing Dowels for Footing Encasement	186	EACH		
002.00372	Training Steel III I dotting at 1 Tol	2000	LD	000.70002	Drining Hores and motaming Donote for Footing Enougement	700	271077		- Indicates Item for Waiaama Bridge
602 00084	Reinforcing Steel in Pier	9000	LB	655 10074	Drilling Holes and Installing Dowels in Pier	176	EACH		Waldallia Briage
002:0090A	Kennorchig Steel in Fiel	9000	LD	033.7007A	Drilling Holes and mistaining Dowels in Hel	770	LAUIT	206.6000C	
602 00000	Reinforcing Steel in Beam	3000	LB	655 10080	Drilling Holes and Installing Dowels for Beam	80	EACH		- Indicates Item for
602.00990	Reinforcing Steel in Beam	3000	LD	633.10060	Drilling Holes and installing Dowels for Bearing	00	EACH		Pepeekeo Plantation
			5.4.0 //	202 20225		450	0.5		Overpass Road Bridge
621.1000	Traffic Control Signs	20	EACH	696.2000E	Clean and Paint Steel Members (Including Lead Abatement)	150	SF	206.6000D	
						-		\	- Indicator Itam for
624.1000D	Six Inch Diameter Cast Iron Pipe	140	L.F.						– Indicates Item for Paheehee Mauka Bridge
				1					No. 3 Bridge
654.1011E	Type Restrainer Assembly	8	EACH					206.6000E	
									- Indicates Item for
651 10131	Type II Restrainer Assembly	50	EACH		·				Paheehee Bridge
	Type II Restrainer Assembly	20	EACH						
	Type II Needi amer Alegeria.								
655 10001	Drilling Holes and Installing Dowels for Diaphragm at Pier	520	EACH						
	Drilling Holes and Installing Dowels for Diaphragm at Pier	208	EACH						
)							-		
655 10014	Drilling Holes and Installing Dowels for Diaphragm at Abutment	104	EACH						V FI
	Drilling Holes and Installing Dowels for Diaphragm at Abutment	104	EACH	1					LICENSED
								ı	LICENSED PROFESSIONAL ENGINEER
655 10024	Drilling Holes and Installing Dowels for Seat Extender at Pier	900	EACH						NO. 8104-S
	Drilling Holes and Installing Dowels for Seat Extender at Pier	360	EACH						A11, 0.
									David K. fylwara
655 100 3A	Drilling Holes and Installing Dowels for Seat Extender	168	EACH						THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
	at Abutment								
655.1003B	Drilling Holes and Installing Dowels for Seat Extender	168	EACH			-			
655 1003F	at Abutment Drilling Holes and Installing Dowels for Seat Extender	72	EACH						
	at Abutment	, 2	271077						
655.1004A	Drilling Holes and Installing Dowels for Creep Block at Pier	500	EACH					DEPARTMENT	OF TRANSPORTATION
655.1004B	Drilling Holes and Installing Dowels for Creep Block at Pier Drilling Holes and Installing Dowels for Creep Block at Pier	200	EACH					HIC	SHWAYS DIVISION
000.10040	חוווווע רוטופט מוזמ ווואנמוווווע Dowels וטו כו פפף הוטכא מנ רופו	60	EACH			J		FSTIMA	TED QUANTITIES
									ILD QUANTITIES (All BELT ROAD
						-		<u>SEISMIC RETRO</u>	OFIT OF VARIOUS BRIDGES
									PEEKEO, HAWAII — UNIT 1 ROJECT NO. BR—0100(57)
								SCALE: AS NOTED	DATE: March 2001
				J L		ent Beartain, and de training and a second as a second		SHEET No.	G1.4 OF 5 SHEETS



SHEET No. G1.4 OF 5 SHEETS