FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	
HAWAII	HAW.	BR-019-2(43)	2000	4	65	

## ESTIMATED QUANTITIES

ITEM NO.	ITEM	QUANTITY	UNIT	ITEM NO.	ITEM	QUANTITY	UNIT
?06.6000A	Structure Excavation	70	CY	602.0094A	Reinforcing Steel in Seat Extender at Abutment	1,570	LB
06.6000B	Structure Excavation	20	CY		Reinforcing Steel in Seat Extender at Abutment	1,710	LB
06.6000D	Structure Excavation	520	CY		Reinforcing Steel in Seat Extender at Abutment	790	LB
				602.0094D	Reinforcing Steel in Seat Extender at Abutment	810	LB
	Structure Backfill	65	CY				
	Structure Backfill	10	CY		Reinforcing Steel in Creep Block at Pier	4,000	LB
206.7200D	Structure Backfill	320	CY	602.0095C	Reinforcing Steel in Creep Block at Pier	2,360	<u>LB</u>
				602 00068	Pointaraina Stool in Croon Plack at Abutmant	1.550	
501 01000	Structural Steel for Abutment Bumper	11,950	LB		Reinforcing Steel in Creep Block at Abutment Reinforcing Steel in Creep Block at Abutment	1,550 1,960	<u>LB</u> LB
001.01000	Structural Steel for Abutilient Bullipel	11,950	LD	002.00960	Relinorching Steel in Creep Diock at Abutinent	7,900	
501.0101A	Structural Steel for Seat Extender	1,550	LB	602.0097D	Reinforcing Steel in Footing for Pier	7,300	LB
501.0101D	Structural Steel for Seat Extender	2,900	LB				
				624.1000B	Two Inch Diameter ZInc Coated Pipe	40	L.F.
	Concrete in Bumper Between Abutment Backwall and Girder	5	CY				
503.1080C	Concrete in Bumper Between Abutment Backwall and Girder	5	CY	654.1010A	Type   Restrainer Assembly	24	EACH
7 1 1 1 1 1 D	Concrete in Diaphragm at Pier	15	CY	654 10118	Type II Restrainer Assembly	20	EACH
	Concrete in Diaphragm at Pier	8	CY	054.70775	Type II Nestrainer Assembly	20	LAUIT
100.10010	Concrete in Diapinagin at 1 ici		· · · · · · · · · · · · · · · · · · ·	654.1011C	Type    Restrainer Assembly	10	EACH
503.1082B	Concrete in Diaphragm at Abutment	8	CY		Type II Nestrainer Assembly		2/10//
503.1082C		8	CY	654.1012D	Type III Restrainer Assembly	48	EACH
03.1083B	Concrete in Seat Extender at Pier	18	CY	655.1000B	Drilling Holes and Installing Dowels for Diaphragm at Pier	208	EACH
03.1083C	Concrete in Seat Extender at Pier	9	CY	655.1000C	Drilling Holes and Installing Dowels for Diaphragm at Pier	104	EACH
03.1084A	Concrete in Seat Extender at Abutment	8	<u>CY</u>		Drilling Holes and Installing Dowels for Diaphragm at Abutment	104	EACH
503.1084B		12	CY	655.1001C	Drilling Holes and Installing Dowels for Diaphragm at Abutment	104	EACH
503.1084C	Concrete in Seat Extender at Abutment	8	CY	0.55.40005		700	
503.1084D	Concrete in Seat Extender at Abutment	5	CY		Drilling Holes and Installing Dowels for Seat Extender at Pier	360	EACH
5071005D	Concrete in Creep Block at Pier	9	CY	655.1002C	Drilling Holes and Installing Dowels for Seat Extender at Pier	180	EACH
	Concrete in Creep Block at Pier	6	CY	655.1003A	Drilling Holes and Installing Dowels for Seat Extender	88	EACH
<i>303.10030</i>	Concrete in Creep Diock at Fiel		<u> </u>	-  000.7000A	at Abutment		LAUIT
503.1086B	Concrete in Creep Block at Abutment	3	CY	655.1003B		180	EACH
	Concrete in Creep Block at Abutment	4	CY		at Abutment		
				655.1003C	Drilling Holes and Installing Dowels for Seat Extender	136	EACH
503.1087D	Concrete in Footing for Pier	320	CY		at Abutment		
				<i>655.1003D</i>	Drilling Holes and Installing Dowels for Seat Extender	64	EACH
000 0000		7.70		_	at Abutment		
602.0090B	Reinforcing Steel in Bumper Between Abutment Backwall and Girder	530	LB	655.1004B	Drilling Holes and Installing Dowels for Creep Block at Pier	200	EACH
502.0090C		570	LB			100	EACH
102.00300	and Girder		LD	000.70040	Drinning Profess and mistaining Dowers for Creep Drock at Frei	700	LAUIT
				655.1005B	Drilling Holes and Installing Dowels for Creep Block at Abutment	100	EACH
502.0091B	Reinforcing Steel in Diaphragm at Pier	2,930	LB			100	EACH
602.0091C	Reinforcing Steel in Diaphragm at Pier	1,710	LB				
				655.1006D	Drilling Holes and Installing Dowels for Footing Encasement	386	EACH
	Reinforcing Steel in Diaphragm at Abutment	1,420	<u>LB</u>			1	
02.00920	Reinforcing Steel in Diaphragm at Abutment	1,560	<u>LB</u>			370	<u>SF</u>
200 000 70	Pointoroina Ctool in Coot Futondon at Dian	7 510	1 17	696.2000D	Clean and Paint Steel Members (Including Lead Abatement)	900	SF
	Reinforcing Steel in Seat Extender at Pier	3,510	<u>LB</u>			-	
02.00930	Reinforcing Steel in Seat Extender at Pier	1,730	LB				
				-		<del>                                     </del>	***************************************

<u>LEGEND:</u> 206.6000A

> — Indicates Item for Kapue Bridge

206.6000B

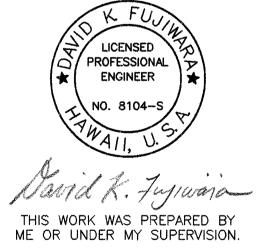
— Indicates Item for Kaieie Bridge

206.6000C

— Indicates Item for Kalaoa Bridge

206.6000D

— Indicates Item for Hakalau Bridge



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ESTIMATED QUANTITIES

HAWAII BELT ROAD

SEISMIC RETROFIT OF VARIOUS BRIDGES

VICINITY OF PAPAIKOU, HAWAII
PROJECT NO. BR-019-2(43)

SCALE: AS NOTED

DATE: August 12, 1999

SHEET No. G1.2 OF 3 SHEETS

ILE: 7008G12.DWG