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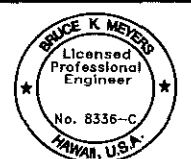
SUMMARY OF QUANTITIES (Sheet 1 of 3)

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD/STP 6(3) & 200(1)	C1	C23

SHEET NUMBER ----->			C4-C10	C11-C13	C14-C19	C20-C23	QUANTITIES		OPTION O QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY	
SHEET DESCRIPTION ----->			Grading Summary	Surfacing Summary	Signing & Striping Summary	Misc Summary						
ITEM NO.	ITEM DESCRIPTION	UNIT					PLAN	BID	PLAN	BID		
15101	Mobilization	LPSM					ALL	ALL				
15202	Slope, reference, and clearing and grubbing stakes	Mile					10.5	10.5			Includes type 2 approach roads	
15203	Centerline re-establishment	Mile					15.9	15.9			Includes type 2 approach roads	
15204	Drainage structure survey and staking	Each				8	8	8				
15207	Grade finishing stakes	Mile					26.2	26.2			Includes type 2 approach roads	
15209	Miscellaneous survey and staking	Hour						400				
15217A	Roadway cross section survey	Mile					8.5	8.5			Station 717+00 to 1165+00	
15301	Contractor quality control	LPSM					ALL	ALL				
15501	Construction schedule	LPSM					ALL	ALL			CPM format	
15703	Silt fence	LNFT				7400	7400	7775				
15706	Earth berms	LNFT				250	250	265				
15709	Check dams	Each				95	95	105			Type approved by CO	
15735	Sediment control log	Each				193	193	205			Station 630+50 to 1165+00 (or silt fence)	
15805	Watering	MGAL						32200				
20101	Clearing and grubbing	Acre				146.6	146.6	149.0				
20301B	Removal of signs	Each				37	37	40				
20302V	Removal of fence	LNFT				5770	5770	6100				
20401	Roadway excavation	CuYd	462216				462216	508400				
20412	Waste	CuYd	2020				2020	2200				
20444	Lava compaction	Acre				122.1	122.1	123.0			Station 717+00 to 1165+00	
20445	Slope reconstruction	LPSM					ALL	ALL				
21101	Roadway obliteration	SqYd				8896	8896	9790				
25101A	Placed riprap, class 1	CuYd				30	30	35				
25101C	Placed riprap, class 3	CuYd				44	44	50				
25101D	Placed riprap, class 4	CuYd				208	208	220				
25105C	Mortared riprap, class 3	CuYd				247	247	260				
25111	Placed individual boulders (36-inch diameter min.)	Each				51	51	55				
30104E	Subbase, grading E (contractor furnished)	Ton		40347			40347	44400	3685	4050		
30106GF	Subbase, government furnished	CuYd		24023		3	24026	25860			340+50-351+00, T.S. 0+00-10+00, 360+00-850+00	
30302	Road reconditioning	SqYd					106445	111800				
30612	Dust palliative application	Gal						45000				
30701LA	Stockpiled aggregate, 3" grading	Ton						20700		3700		
30701LB	Stockpiled aggregate, 6" grading	Ton						6900		1250		
30810	Aggregate shouldering	Ton				12565	12565	13200	2152	2260		
30811	Aggregate surface course	Ton				31658	31658	33300			Wash-down & temp driving surfaces	
40103PGDB	Asphalt cement grade PG 64-16	Ton		3411.2			3411.2	3580	3127.4	3300	6.7% of mix	
40105C	Antistrip additive, type 3	Ton		509.2			509.2	535	466.8	490	1% of mix by weight	
40106ABBL	Superpave asphalt conc pave, 1/2-inch nominal max size aggregate	Ton		50913.8			50914	53500	46678	49100		
40107	Materials transfer vehicle	LPSM					ALL	ALL				
40206	Minor hot asphalt concrete for temporary pavement	Ton		873.8			873.8	920			For temp. connections	
40501E	Hot asphalt treated base course, grading E	Ton		166292.2			166292.2	174600				
40504C	Antistrip additive, type 3	Ton		1663.0			1663.0	1745			1% of mix by weight	

BRUCE K MEYERS
Licensed Professional Engineer
No. 8336-C
HAWAII, U.S.A.

The work was prepared by me or under my supervision and construction of this project will be under my direction.
Expiration Date of license 4/08



The work was prepared by me or under my supervision and construction of this project will be under my responsibility.
Expiration Date of License 4/06

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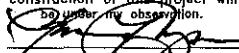
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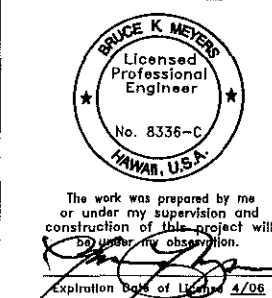
SUMMARY OF QUANTITIES (Sheet 2 of 3)

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD/STP 6(3) & 200(1)	C2	C23

SHEET NUMBER ----->			C4-C10	C11-C13	C14-C19	C20-C23	QUANTITIES		OPTION O QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY
SHEET DESCRIPTION ----->			Grading Summary	Surfacing Summary	Signing & Striping Summary	Misc Summary					
ITEM NO.	ITEM DESCRIPTION	UNIT					PLAN	BID	PLAN	BID	
40505PGDB	Asphalt binder, grade PG 64-16	Ton		11141.5			11141.5	11700			6.7% of mix
40507	Materials transfer vehicle	LPSM					ALL	ALL			
40908BA	Fog seal grade CSS-1 or CSS-1h, SS-1 or SS-1h	Ton		95.3			95.3	102			0.05 gal/yd²
41101CM	Prime coat grade CSS-1, CSS-1h, SS-1, or SS-1h	Ton		292.4			292.4	313			0.15 gal/yd²
41103	Blotter	Ton		1108.3			1108.3	1165			Station 655+00 to 1165+00
41201CM	Tack coat grade CSS-1, CSS-1h, SS-1, or SS-1h	Ton		173.9		0.5	174.4	184	86.3	90	0.05 gal/yd²
60101	Concrete	CuYd				2.5	2.5	3			For concrete pedestrian pads
60201K	18-inch pipe culvert	LNFT				322	322	346			
60201N	30-inch pipe culvert	LNFT				162	162	170			
60201P	36-inch pipe culvert	LNFT				224	224	242			
60201R	48-inch pipe culvert	LNFT				140	140	150			
60206K	End section for 18-inch pipe culvert	Each				2	2	2			
60404E	Catch basin, type 5	Each				3	3	3			
60905K	Asphalt concrete curb, 4-inch depth	LNFT				40052	40052	42000			Firebreak curbing
61901A	Fence, smooth wire (stainless steel cable)	LNFT				40052	40052	42000			Firebreak fencing
61901AC	Fence, woven wire type, 48-inch height	LNFT				5770	5770	6100			
61901FA	Fence temporary construction	LNFT					1500	2000			For contractor operations protection
61902BG	Gate, metal type, 14-foot width	Each				3	3	3			
61902BK	Gate, metal type, 20-foot width	Each				2	2	2			
61902BP	Gate, metal type, 28-foot width	Each				1	1	1			
61902BQ	Gate, metal type, 30-foot width	Each				1	1	1			
62001CC	Rubble masonry, coarse pointed finish	CuYd				149	149	156			
62101	Monument	Each					75	80			State to locate, Contractor to install. See sht. N2
62201AE	Dump truck, 10-12 cubic yard capacity	Hour						200			
62201BC	Backhoe loader, 48 gal min rated capacity bucket (24-inch width)	Hour						200			
62201CE	Loader, wheel type, 4 cubic yard minimum capacity	Hour						200			
62201DG	Bulldozer, D-9	Hour				63	63	200			
62201LB	Motor grader, 12 foot minimum blade	Hour						200			
62201MT	Hydraulic excavator, track type, 165hp flywheel pwr, 1.3 cuyd bucket	Hour						200			Equiv. to a caterpillar 225B, with ram hoe
62301	General labor	Hour						500			
62404N	Placing conserved topsoil, 6-inch depth	SqYd				14036	14036	14750			340+50-351+00 & 360+00-366+00
62504B	Mulching, hydraulic method	Acre				16.7	16.7	18.0			340+50-351+00, T.S.0+00-10+00, 360+00-630+50
62514	Herbicide	Gal						380			Invasive weed control
62901B	Erosion control mat type 2	SqYd				1801	1801	1900			For station 618+00 to 631+00
63301	Sign installation	Each			229		229	250			
63306	Object markers	Each			280	1002	1282	1405			Sign and fire posts
63308A	Removing and resetting sign	Each				5	5	5			
63401IA	Pavement markings type I, solid (4-inch width)	LNFT			143940		143940	151130			
63401IA	Pavement markings type I, solid (8-inch width)	LNFT			166830		166830	175180			
63401IA	Pavement markings type I, solid (12-inch width)	LNFT			11261		11261	11820			
63401IB	Pavement markings type I, broken	LNFT			1500		1500	1580			
63405	Raised pavement markers	Each			18199		18199	19120			

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Expiration Date of License 4/06

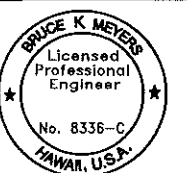


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HI	HI A-AD/STP 6(3) & 200(1)	C3	C23

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