

The following quantities are approximate unless noted as a final pay item.
Payment will be made for the actual quantities of work performed and
accepted or for materials furnished in accordance with the contract.

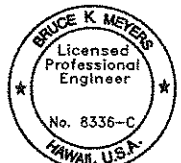
SUMMARY OF QUANTITIES (1 of 2)

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	C1	C9

SHEET NUMBER ----->			C3	C6	C7-C9	QUANTITIES		REMARKS AND/OR DETERMINATION OF ESTIMATED QUANTITY
SHEET DESCRIPTION ----->			Grading Summary	Drainage Summary	Misc Summary			
ITEM NO.	ITEM DESCRIPTION	UNIT				PLAN	BID	
15101	Mobilization	LPSM				ALL	ALL	
15202	Slope, reference, and clearing and grubbing stakes	Mile				2.56	2.7	Includes new PTA entrance road
15203	Centerline reestablishment	Mile				2.56	2.7	Includes new PTA entrance road
15204	Drainage structure survey and staking	Each		13		13	13	
15207	Grade finishing stakes	Mile				2.56	2.7	Includes new PTA entrance road
15209	Miscellaneous survey and staking	Hour					80	
15212A	Minor approach road survey and staking	Each			6	6	6	Fire and PTA base access roads
15301	Contractor quality control	LPSM				ALL	ALL	
15501	Construction schedule	LPSM				ALL	ALL	
15703	Silt fence	LNFT			17523	17523	18400	
15706	Earth berms	LNFT			9090	9090	9550	
15709	Check dams	Each			287	287	301	May be rock or sediment control log types
15725	Temporary diversion channel	LNFT		1180		1180	1240	For box culvert construction
15735	Sediment control log	Each			341	341	358	
15804	Watering for dust control	Mgal					5000	1 Mgal = 1,000 gallons
20101	Clearing and grubbing	Acre			42.6	42.6	44.8	
20302AD	Removal of waterline	LNFT			1175	1175	1240	
20302V	Removal of fence	LNFT			960	960	1010	
20304DE	Removal of overhead electrical distribution	LPSM				ALL	ALL	
20305	Removal of structures and obstructions	LPSM				ALL	ALL	
20401	Roadway excavation	CuYd	171439			171439	180015	Includes material stockpiled near sta 281+00
20402	Subexcavation	CuYd	3000			3000	3000	
20412	Waste	CuYd	2522			2522	2800	
21101	Roadway obliteration	SqYd			2840	2840	3100	
25101A	Placed riprap, class 1	CuYd			1094	1094	1150	
25101C	Placed riprap, class 3	CuYd		840		840	882	
25101D	Placed riprap, class 4	CuYd		1116		1116	1172	
25105C	Mortared riprap, class 3	CuYd		711		711	747	
25111	Placed individual boulders (36-inch diameter min.)	Each			35	35	37	For end of project staion 353+00
25201A	Special rock embankment, mechanically placed	CuYd				3005	3300	From station 316+50 to 319+00
25209	Rockery slope lining	SqFt			1630	1630	1715	From station 308+75 to 311+00
30612	Dust palliative	Gal			84167	84167	88375	
30811	Aggregate surface course	Ton			532.1	567.1	595.5	Traffic control roads, Approach Roads & wash down pad
60101	Concrete	CuYd		940		940	990	See FP-96 Sec 109 for definition of 'contract quantity'
60201M	24-inch pipe culvert	LNFT		404		404	426	
60201P	36-inch pipe culvert	LNFT		96		96	102	
60201Q	42-inch pipe culvert	LNFT		106		106	112	
60201R	48-inch pipe culvert	LNFT		110		110	116	
60201S	54-inch pipe culvert	LNFT		308		308	324	
61101	Water system pressure testing	LPSM				ALL	ALL	
61102GB	2-inch waterline, copper	LNFT			365	365	384	
61102JB	3-inch waterline, copper	LNFT			240	240	252	
61102QE	12-inch waterline, ductile iron	LNFT			210	210	222	
61104DEA	Valve, gate, 1-1/2-inch ball valve with handle	Each			4	4	4	

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 observation.
Expiration Date: 12/31/2008



The work was prepared by me or under my supervision and construction of this project will be under my observation.
Expiration Date 12/08

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SUMMARY OF QUANTITIES (2 of 2)

STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	C2	C9

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