

GRADING SUMMARY

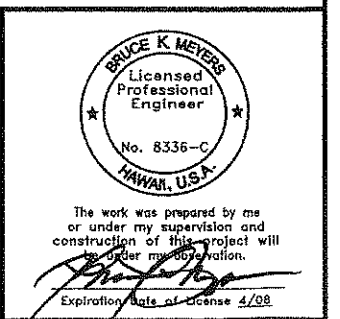
STATE	SADDLE ROAD PROJECT	SHEET NO.	TOTAL SHEETS
HI	HI A-AD 6(4)	C3	C9

	Roadway Excavation			Adjustments To Excavation				Roadway Embankment		Adjustments to Embankment			Mass Haul			
Pay Item			20401		20402											20412
Station to Station	Roadway Prism	Approach Roads*	Roadway Excavation	(-) Topsoil Stripping In Cuts	(+) Sub-excavation	Average Shrink/ Swell Factor	Total Excavation Available for Fills	Roadway Prism	Approach Roads	(+) Topsoil Replacement Under Fill	(+) Sub-excavation	Total Embankment	Excavation - Embankment	Mass Ordinate	Conserved Topsoil	Waste
Definition	(BCY)	(BCY)	(BCY)	(BCY)	(BCY)		(CCY)	(CCY)	(CCY)	(CCY)	(CCY)	(CCY)	(CCY)	(CCY)	(yd³)	(yd³)
17+00 - 28+00	1543	28	1571	337	310	0.80	1236	4552	91	777	310	5729	-4494	-4494	1113	-4494
28+00 - 42+00	31539	0	31539	1296	394	0.80	24510	8946	0	597	394	9938	14572	10079	1893	14572
42+00 - 56+00	904	0	904	215	394	0.80	867	26654	0	1396	394	28444	-27577	-17499	1611	-27577
56+00 - 70+00	23676	0	23676	1359	394	0.80	18169	5379	0	378	394	6151	12018	-5481	1737	12018
70+00 - 84+00	36725	0	36725	1621	394	0.80	28399	1417	0	231	394	2042	26357	20876	1852	26357
84+00 - 88+00	8929	0	8929	282	113	0.80	7008	4256	0	249	113	4618	2391	23267	530	2391
281+00 Stockpile							1840									
282+50 - 294+00	15021	0	15021	1042	207	0.80	11349	2751	0	348	207	3306	8043	31310	1390	8043
294+00 - 308+00	7979	19	7998	451	241	0.80	6231	14016	6	1166	241	15429	-9198	22112	1617	-9198
308+00 - 322+00	35957	1952	37909	1724	241	0.80	29141	10775	304	705	241	12025	17116	39228	2429	17116
322+00 - 336+00	3140	2186	5326	524	241	0.80	4034	24984	0	1364	241	26590	-22555	16673	1889	-22555
336+00 - 340+50	0	0	0	0	69	0.80	55	8488	0	542	69	9099	-9044	7629	542	-9044
351+00 - 353+00	0	0	0	0	0	1.00	0	4794	0	313	0	5107	-5107	2522	313	-5107

*Material quantity at station 322+00 - 336+00 from cut-off channel excavation.

NOTES:

1. BCY = Bank Cubic Yard = One cubic yard of material as it lies in natural bank state.
2. CCY = Compacted Cubic Yard = One cubic yard of material after it has been compacted to specification density.
3. The quantities shown herein are approximations. Payment will be made for the actual quantities of work performed and accepted.
4. Depth assumed for pavement removal = 6 inches (assumed for bidding purposes).
5. Depth assumed for topsoil stripping = 3 inches (use to cover slopes and revegetate).
6. Subexcavation quantity is arbitrary in amount and location and is subject to change.
7. Subexcavation material can be used as topsoil or for constructing embankment if blended with suitable material. See SCRs.
8. Use material stockpiled near station 281+00 for this project. Approximately 1840 cu yd.



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