

SURVEY AND STAKING SUMMARY				
Item number	15202	15203	15207	Remarks
Station to station	SLOPE, REFERENCE, AND CLEARING AND GRUBBING STAKES	CENTERLINE RE-ESTABLISHMENT	GRADE FINISHING STAKES	
	MILE	MILE	MILE	
1000+00 to 1003+00	0.06	0.06	0.06	Temporary Connection
0+00 to 17+00	0.32	0.32	0.32	
17+00 to 353+00		6.36	6.36	
353+00 to 361+00	0.15	0.15	0.15	
363+23.39 to 380+00 RT	0.32	0.32	0.32	Roadway Widening
SCHEDULE A TOTALS	0.85	7.21	7.21	

MISCELLANEOUS SUMMARIES							
Item number	15703	15709	15735	20101	21101	62504B	62901C
Station to station	SILT FENCE	CHECK DAMS	SEDIMENT CONTROL LOG	CLEARING AND GRUBBING	ROADWAY OBLITERATION	MULCHING, HYDRAULIC METHOD	EROSION CONTROL MAT TYPE 3
	LNFT	EACH	EACH	ACRE	SQYD	ACRE	SQYD
1000+00 to 1003+00				0.44		0.35	
0+00 to 17+00	1744		22	5.05	60	2.51	1840
17+00 to 353+00 **	8800	150	250			10.91	
353+00 to 361+00	1088			2.24	453	1.08	523
363+23.39 to 380+00 RT	1614		4	1.85	105	1.20	
Sta. 14+00 RT	298			0.51		0.31	
Sta. 363+73.94 RT	249			0.60		0.34	
SCHEDULE A TOTALS	13793	150	276	10.69	618	16.70	2363

** Quantity estimate for silt fence and check dam is to replace the existing devices as directed by the CO (approximately one-half of those existing).

APPROACH ROAD SUMMARY					
Item number					15212A
Station (+/-)	Access Type	Type	Class	Length	MINOR APPROACH ROAD SURVEY AND STAKING
				LINEAR FOOT	EACH
14+00 RT	Existing Saddle Road	2	D	285	1
18+10 LT	Fire Access No. 1	1	A	70	
27+40 LT	Fire Access No. 2	1	A	85	
97+00 LT	Fire Access No. 3	1	A	145	
130+10 LT	Fire Access No. 4	1	A	180	
182+40 LT	Fire Access No. 5	1	A	65	
227+35 LT	Fire Access No. 6	1	A	65	
247+60 RT	PTA Fire Access	1	A	98	1
294+25 LT	Fire Access No. 7	1	A	65	
309+73-312+07 RT	Pu'u Pohakuloa Access	1	A	250	
314+00 LT	Water Tank Access	1	A	65	
319+71 RT	PTA Entrance Access	2	D	320	
319+71 LT	Water Pump Access	2	D	98	
363+73.94 RT	Existing Saddle Road	2	D	360	1
SCHEDULE A TOTALS				2151	3

GATE SUMMARY		
Item number	61902BG	61902BK
Station	GATE, METAL TYPE, 14-FOOT WIDTH	GATE, METAL TYPE, 20-FOOT WIDTH
	EACH	EACH
Ahi Road		1
14+00 RT		1
18+10 LT	1	
27+40 LT	1	
130+10 LT	1	
182+40 LT	1	
227+35 LT	1	
247+60 LT	1	
294+25 LT	1	
363+73.94 RT		1
SCHEDULE A TOTALS	7	3

TELEPHONE INSTALLATION SUMMARY			
Item number	60104	60104	63307G
Station	CONCRETE (PEDESTRIAN PAD)	CONCRETE (HOLE FOUNDATION)	DELINEATORS FLEXIBLE
	EACH	EACH	EACH
45+00 RT	1	1	4
122+50 LT	1	1	4
175+00 LT RT	1	1	4
232+50 LT	1	1	4
300+00 LT	1	1	4
Work from previous projects			
415+00 RT	1	1	*
482+00 LT	1	1	*
542+00 RT	1	1	*
SCHEDULE A TOTALS	8	8	20

*Remove and reset existing flexible delineators. This work is subsidiary to item no. 60104, Concrete (Pedestrian Pad) and will not be measured for payment.

Phone moved to Sta. RT

FIREBREAK FENCE & CURB SUMMARY							
Item number	20302RA	41201CM	60905K	60905N	61901AC	61906	63306
Station to station	REMOVAL OF ASPHALT CURB	TACK COAT GRADE CSS-1, CSS-1H, SS-1, OR SS-1H	ASPHALT CONCRETE CURB, 4-INCH DEPTH	ASPHALT CONCRETE CURB, 6-INCH DEPTH	FENCE, WOVEN WIRE TYPE, 48-INCH HEIGHT	REMOVE AND RESET FENCE	OBJECT MARKERS
	LNFT	TON	LNFT	LNFT	LNFT	LNFT	EACH
0+00 to 18+10 LT		0.02			1800		27
18+10 to 97+00 LT		0.11			7910		118
97+00 to 130+10 LT		0.04			3276		49
130+10 to 227+35 LT		0.13			9665		145
227+35 to 294+25 LT		0.09			6666		100
294+25 to 319+70 LT		0.03			2475		37
319+70 to 361+00 LT		0.05			4012		60
375+00 to 380+00 RT	500	0.01				500	
SCHEDULE A TOTALS	500	0.48			35804	500	536
0+00 to 18+10 LT				1800			
18+10 to 97+00 LT				7910			
97+00 to 130+10 LT				3276			
130+10 to 227+35 LT				9665			
227+35 to 294+25 LT				6666			
294+25 to 319+70 LT				2475			
319+70 to 361+00 LT				4012			
375+00 to 380+00 RT				500			
OPTION X TOTALS				36304			
0+00 to 18+10 LT			1800				
18+10 to 97+00 LT			7910				
97+00 to 130+10 LT			3276				
130+10 to 227+35 LT			9665				
227+35 to 294+25 LT			6666				
294+25 to 319+70 LT			2475				
319+70 to 361+00 LT			4012				
375+00 to 380+00 RT			500				
OPTION Y TOTALS			36304				

Use type RM-2 reflector markers
Tack coat conversion - 8.3 lbs/gal, 0.05 gal/yd2

ROCKERY SUMMARY					
Item number	25206	For Info Only	For Info Only	For Info Only	For Info Only
Station to station	ROCKERY WALL	Rock	Granular Backdrain	Foundation Fill	Plastic Pipe
	SQFT	CUYD	CUYD	CUYD	FT
8+00 to 10+50 RT	1241	175	77	65	250
SCHEDULE A TOTALS	1241	175	77	65	250

SHOULDERING AND ROAD RECONDITIONING		
Item number	30104E	30302
Station to station	SUBBASE, GRADING E	ROAD RECONDITIONING
	TON	SQYD
17+00 to 88+75	5277	31924
88+75 to 139+00	3697	22371
139+00 to 189+00	3687	22371
189+00 to 239+00	3679	22271
239+00 to 258+50	1432	8647
258+50 to 282+50	1764	10667
282+50 to 333+00	4291	29692
333+00 to 340+50	551	3333
340+50 to 351+00	772	4667
351+00 to 353+00	76	917
SCHEDULE A TOTALS	25226	156860
17+00 to 88+75	420	
88+75 to 139+00	294	
139+00 to 189+00	292	
189+00 to 239+00	292	
239+00 to 258+50	114	
258+50 to 282+50	140	
282+50 to 333+00	295	
333+00 to 340+50	44	
340+50 to 351+00	61	
351+00 to 353+00	12	
OPTION Y TOTALS	1964	

Value used for estimating purposes:

Subbase, Grading E 142 lb/ft3

Note: Subbase, Grading E values include quantities for variable depth subbase after roadway reconditioning and shouldering material.

TOPSOIL SUMMARY			
Item Number ->	For info only	For info only	62404N
Station to Station	Topsoil Stripping in Cuts	Topsoil Stripping Under Fills	PLACING CONSERVED TOPSOIL, 6-INCH DEPTH
	CUYD	CUYD	SQYD
1000+00 - 1003+00	174	62	1702
0+00 - 17+00	2119	4690	12159
353+00 - 361+00	326	418	5215
363+23.39 - 380+00	155	996	5801
TOTALS	2,774	6,166	24,877

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

MISCELLANEOUS SUMMARIES

Scale: N/A Date: July 21, 2008

TEMPORARY TRAFFIC CONTROL SUMMARY									
Item number	63505B	63505C	63506	63508	63509	63511A	63514	63524A	63539C
Description	BARRICADE, TYPE 2	BARRICADE TYPE 3	CONE	DRUM	FLAGGER	TEMPORARY BARRIER (WATER FILLED)	TEMPORARY PAVEMENT MARKINGS	VARIABLE MESSAGE SIGN	TRAFFIC AND SAFETY SUPERVISOR
	EACH	EACH	EACH	EACH	HOUR	LNFT	LNFT	DAY	WEEK
1000+00 to 1003+00	25		25	25	90	300	300	60	8
0+00 to 17+00	50	10	50	50	760	500			
353+00 to 380+00	25		25	25	850	500	1300	60	8
SCHEDULE A TOTALS	100	10	100	100	1700	1300	1600	120	16
1000+00 to 1003+00					10				
0+00 to 17+00					140				
353+00 to 380+00					150				
OPTION Y TOTALS					300				

DRAINAGE SUMMARY								
Item number		15204	60201M	60201N	60206N	60223	25101C	No Pay
Station	Skew	DRAINAGE STRUCTURE SURVEY AND STAKING	24-INCH PIPE CULVERT	30-INCH PIPE CULVERT	END SECTION FOR 30-INCH PIPE CULVERT	REMOVE AND RESET END SECTION	PLACED RIPRAP, CLASS 3	Earthwork Geotextile Type IV-E
		EACH	LNFT	LNFT	EACH	EACH	CUYD	SQYD
11+20	45°	1		176	2		11	27
372+82		1	14			1	11	27
SCHEDULE A TOTALS		2	14	176	2	1	22	54

ASPHALT MILLING AND PAVEMENT MARKING REMOVAL SUMMARY			
Item number	41301F	63519A	Remarks
Station to station	ASPHALT PAVEMENT MILLING, 2-INCH DEPTH	PAVEMENT MARKING REMOVAL	
	SQYD	SQFT	
363+23.39 to 380+00 RT	1955	2046	Roadway Widening
SCHEDULE A TOTALS	1955	2046	

CONSTRUCTION SIGN SUMMARY					
Item number					63507
MUTCD Reference	Sign Message	Panel Size (in x in)	Area (ft2)	Quantity	CONSTRUCTION SIGN
					SQFT
G20-1	Road Work Next X Miles	36 x 18	4.50	2	9
G20-2	End Road Work	36 x 18	4.50	4	18
G20-4	Pilot Car Follow Me	36 x 18	4.50	1	5
R11-2	Road Closed	48 x 30	10.00	10	100
W1-2(L)	Left Turn Arrow	48 x 48	16.00	2	32
W13-1	25 mph (supplemental panel)	24 x 24	4.00	4	16
W20-1	Road Work Ahead	48 x 48	16.00	4	64
W20-1	Road Work 1500 FT	48 x 48	16.00	4	64
W20-1	Road Work 1000 FT	48 x 48	16.00	4	64
W20-1	Road Work 500 FT	48 x 48	16.00	4	64
W20-7a	Flagger (symbol)	36 x 36	9.00	4	36
W16-2	XX FT (supplemental panel)	24 x 18	3.00	4	12
Special	Saddle Road Realignment	120 x 54	45.00	2	90
	M.P. 34 - M.P. 42 Anticipate Delays				
W8-6	Truck Crossing	48 x 48	16.00	2	32
SCHEDULE A TOTAL					606

BOULDER SUMMARY	
Item number	25111
Station to station	PLACED INDIVIDUAL BOULDERS
	EACH
354+50 to 355+90 RT	21
As directed by the CO	20
SCHEDULE A TOTAL	41

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