

ENGINEER'S DETAILED ESTIMATE

Project # 75270.4



Project name	Swan Mountain Recpath, Summit Cove Section	Date	April 26, 2010
County of	SUMMIT	Length	4,332 0.82 miles
Type	RECREATIONAL PATHWAY	Roadway	10 ft. wide
Prepared By	Donald L. Leinweber, P.E., Alpine Engineering, Inc.	Pavement	Hot Mix Asphalt (Grading SX) (50)

No.	Contract Item No.	Contract Item	Unit	Quantity	Price	Amount
1	201-00001	Clearing and Grubbing	ACRE	3.0	\$4,500.00	\$13,500.00
2	202-00001	Removal/Relocation of Mailboxes	LS	1	\$2,000.00	\$2,000.00
3	202-00210	Removal of Concrete Pavement	SY	20	\$10.00	\$200.00
4	202-00220	Removal of Asphalt Mat	SY	350	\$10.00	\$3,500.00
5	202-00810	Removal of Ground Sign	EACH	2	\$100.00	\$200.00
6	202-00815	Relocation of Ground Sign (Timber Post-Coach Ct)	EACH	1	\$100.00	\$100.00
7	202-01000	Removal of Fence	LF	100	\$5.00	\$500.00
8	202-05026	Sawing Asphalt Material	LF	200	\$5.00	\$1,000.00
9	203-00010	Embankment Material (Complete in Place)	CY	2,960	\$25.00	\$74,000.00
10	203-00120	Vibratory Compactor	HR	20	\$150.00	\$3,000.00
11	203-01510	Backhoe	HR	20	\$150.00	\$3,000.00
12	203-01565	Hydraulic Excavator	HR	20	\$150.00	\$3,000.00
13	203-01582	Truck (Dump)	HR	20	\$125.00	\$2,500.00
14	203-01590	Front End Loader (Rubber Tire)	HR	20	\$125.00	\$2,500.00
15	203-02330	Laborer	HR	40	\$50.00	\$2,000.00
16	206-00510	Filter Material (Class A)	CY	135	\$40.00	\$5,400.00
17	207-00205	Topsoil (4")	CY	400	\$15.00	\$6,000.00
18	208-00002	Erosion Log (12")	LF	1,400	\$11.00	\$15,400.00
19	208-00020	Silt Fence	LF	4,500	\$2.00	\$9,000.00
20	208-00070	Stabilized Construction Entrance	EACH	4	\$1,600.00	\$6,400.00
21	208-00103	Removal and Disposal of Sediment (Laborer)	HR	40	\$40.00	\$1,600.00
22	208-00105	Removal and Disposal of Sediment (Equipment)	HR	20.0	\$150.00	\$3,000.00
23	208-00206	Erosion Control Supervisor	DAY	80	\$150.00	\$12,000.00
24	212-00006	Seeding (Native)	ACRE	1.0	\$4,000.00	\$4,000.00
25	213-00011	Mulching (Hydraulic)	ACRE	1.0	\$1,500.00	\$1,500.00
26	216-00037	Soil Retention Blanket (Coconut)	SY	400	\$10.00	\$4,000.00
27	304-06000	Aggregate Base Course (Class 6)	TON	3,300	\$30.00	\$99,000.00
28	403-34601	Hot Mix Asphalt (Grading SX) (50)	TON	900	\$80.00	\$72,000.00
29	420-00110	Geotextile (Drainage) (Class A)	SY	2,400	\$5.00	\$12,000.00
30	420-00300	Geotextile (Reinforcement)	SY	515	\$10.00	\$5,150.00
31	504-04410	Retaining Walls (Block Facing)	SF	1,300	\$30.00	\$39,000.00
32	504-03411	Retaining Walls (Boulder)	SF	10	\$50.00	\$500.00
33	506-00206	Riprap (6 Inch)	CY	30	\$80.00	\$2,400.00
34	514-00100	Handrall	LF	160	\$100.00	\$16,000.00
35	601-01000	Concrete Class B	CY	40	\$500.00	\$20,000.00
36	602-00000	Reinforcing Steel	LB	2,800	\$2.00	\$5,600.00
37	603-10180	18" Corrugated Steel Pipe	LF	148	\$50.00	\$7,400.00
38	603-10360	36" Corrugated Steel Pipe	LF	28	\$200.00	\$5,600.00
39	603-10180	18" Corrugated End Section	EACH	12	\$500.00	\$6,000.00
40	603-10360	36" Corrugated End Section	EACH	2	\$1,000.00	\$2,000.00
41	604-16005	Inlet Type 13	EACH	1	\$2,500.00	\$2,500.00
42	605-00004	4 Inch Non-Perforated Pipe Underdrain	LF	20	\$20.00	\$400.00
43	605-00040	4 Inch Perforated Pipe Underdrain	LF	290	\$5.00	\$1,450.00
44	607-01100	Fence (Wire With Wooden Post)	LF	100	\$10.00	\$1,000.00
45	607-11525	Fence (Orange Plastic)	LF	1,200	\$2.00	\$2,400.00
46	607-11580	Fence (Temporary Construction)	LF	2,800	\$5.00	\$14,000.00
47	609-21020	Curb and Gutter Type 2 (Section II-B)	LF	85	\$35.00	\$2,975.00
48	609-24002	Gutter Type 2 (2 Foot)	LF	295.00	\$35.00	\$10,325.00
49	609-24003	Gutter Type 2 (3 Foot)	LF	300	\$35.00	\$10,500.00
50	614-00011	Sign Panel (Class I)	SF	35.44	\$20.00	\$708.80
51	614-00040	Sign Post (Special)	LF	95	\$30.00	\$2,850.00
52	620-00020	Sanitary Facility	EACH	2	\$500.00	\$1,000.00
53	625-00000	Construction Surveying	LS	1	\$40,000.00	\$40,000.00
54	626-00001	Mobilization	LS	1	\$50,000.00	\$50,000.00
55	627-00005	Epoxy Pavement Marking Paint - Yellow	GAL	3	\$135.00	\$405.00
56	627-00005	Epoxy Pavement Marking Paint - White	GAL	1	\$135.00	\$135.00
57	627-30110	Pavement Marking Paint (X-Walk)	SF	170	\$10.00	\$1,700.00
58	630-00000	Traffic Control - Lump Sum	LS	1	\$50,000.00	\$50,000.00
59	637-00100	Roadway Sweeping	HR	80	\$150.00	\$12,000.00
60	900-00014	Added Item-Pedestrian Bridge, Prefab, CIP	LS	1	\$40,000.00	\$40,000.00
61	900-00024	Added Item (Ton)/4"-8" Cobble	TON	90	\$20.00	\$1,800.00
SUBTOTAL						\$718,098.80
Plus 15% for contingencies						\$107,714.82
TOTAL						\$825,813.62