

Engineering Services Cost Estimate					
	Classification	Quantity	UM	Rate (\$/UM)	Cost
1.0 Personnel					
	PM	112	HR	115	\$ 12,880.00
	SE	125	HR	110	\$ 13,750.00
	DE	162	HR	110	\$ 17,820.00
	ME	160	HR	110	\$ 17,600.00
	PE	193	HR	100	\$ 19,300.00
	EIT	82	HR	90	\$ 7,380.00
	SUB	139	HR	85	\$ 11,815.00
	TECH	61	HR	75	\$ 4,575.00
Sub-Total					\$105,120.00
2.0 Travel					
	6 Meetings	30	MI	0.58	\$ 17.40
	Conference Travel	453	MI	0.58	\$ 262.74
	Conference Registration	5	EA	125	\$ 625.00
	Conference Lodging (2 Rooms)	3	Nights	450	\$ 1,350.00
Sub-Total					\$ 2,255.14
3.0 Lab Facilities					
	Concrete Laboratory	20	HR	30	\$ 600.00
	Field Station	30	HR	25	\$ 750.00
Sub-Total					\$ 1,350.00
4.0 Supplies					
	Cementitious Material	10	CF	5	\$ 50.00
	Aggregates	12	CF	6	\$ 72.00
	Admixtures	3	GAL	10	\$ 30.00
	Basalt Mesh	13	SY	10	\$ 130.00
	1/8" Inch Cable	108	LF	0.32	\$ 34.56
	Cable Sleeve	108	LF	0.11	\$ 11.88
	Transportation Device	1	LS	75	\$ 75.00
	Display	1	LS	125	\$ 125.00
Sub-Total					\$ 528.44
5.0 Sub-Contract					
	Mold	2	EA	900	\$ 1,800.00
Sub-Total					\$ 1,800.00
6.0 Total					
					\$111,053.58