

TABLE 1
EARTHWORK OBSERVATION, MATERIALS TESTING AND SPECIAL INSPECTION COST ESTIMATE
Truckee River Legacy Trail Phase 4 - CIP 0702

Task	Estimated Units	Unit Rate	Total
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Task 1 - Truckee Springs Pedestrian Bridge

Field Soils and Materials Tester	10	Days @	4	hrs/day	40	\$ 119.43	\$ 4,777.20
Staff Engineer/Geologist	8	Days @	8	hrs/day	64	\$ 139.14	\$ 8,904.96
Certified Welding Inspector (AWS/CWI)	5	Days @	4	hrs/day	20	\$ 125.23	\$ 2,504.60
ICC Certified Structural Inspector	10	Days @	4	hrs/day	40	\$ 125.23	\$ 5,009.20
ACI Concrete Tester	6	Days @	6	hrs/day	36	\$ 119.43	\$ 4,299.48
Travel Time - sample p/u	11	Days @	0.5	hrs/day	5.5	\$ 92.76	\$ 510.18
ASTM Laboratory Compaction Curves	2	Tests @	1	each	2	\$ 235.00	\$ 470.00
Laboratory Compression Tests	6	Sets @	5	cylinders/set	30	\$ 34.00	\$ 1,020.00
Laboratory Compression Tests - field cured	1	Set @	5	cylinders/set	5	\$ 34.00	\$ 170.00
Mileage	50	Trips @	6	miles/trip	300	\$ 0.70	\$ 210.00
						SUBTOTAL =	\$ 27,875.62

Task 2 - "H" Line - Parking Lot - South River Street Extension

Field Soils and Materials Tester	10	Days @	4	hrs/day	40	\$ 119.43	\$ 4,777.20
ICC Certified Structural Inspector - Reinforcing Steel Placement	4	Days @	4	hrs/day	16	\$ 125.23	\$ 2,003.68
ACI Concrete Tester	5	Days @	4	hrs/day	20	\$ 119.43	\$ 2,388.60
Travel Time - sample p/u	5	Days @	0.5	hrs/day	2.5	\$ 92.76	\$ 231.90
Laboratory Compression Tests	5	Sets @	5	cylinders/set	25	\$ 34.00	\$ 850.00
Mileage	24	Trips @	6	miles/trip	144	\$ 0.70	\$ 100.80
						SUBTOTAL =	\$ 10,352.18

Task 3 - "J" Line

Field Soils and Materials Tester	10	Days @	4	hrs/day	40	\$ 119.43	\$ 4,777.20
Staff Engineer/Geologist	15	Days @	8	hrs/day	120	\$ 139.14	\$ 16,696.80
ACI Concrete Tester - Grout	5	Days @	4	hrs/day	20	\$ 119.43	\$ 2,388.60
ICC Certified Structural Inspector - Reinforcing Steel Placement	4	Days @	4	hrs/day	16	\$ 125.23	\$ 2,003.68
ACI Concrete Tester - Concrete	5	Days @	4	hrs/day	20	\$ 119.43	\$ 2,388.60
ICC Certified Structural Inspector - Shotcrete	3	Days @	6	hrs/day	18	\$ 125.23	\$ 2,254.14
Travel Time - sample p/u	13	Days @	0.5	hrs/day	6.5	\$ 92.76	\$ 602.94
Laboratory Compression Tests - Grout / Shotcrete	8	Sets @	3	samples/set	24	\$ 34.00	\$ 816.00
Laboratory Compression Tests - Concrete	5	Sets @	5	samples/set	25	\$ 34.00	\$ 850.00
Mileage	55	Trips @	6	miles/trip	330	\$ 0.70	\$ 231.00
						SUBTOTAL =	\$ 33,008.96

Task 4 - "A" Line

Field Soils and Materials Tester	35	Days @	4	hrs/day	140	\$ 119.43	\$ 16,720.20
Supervisory Technician	2	Days @	2	hrs/day	4	\$ 127.55	\$ 510.20
ACI Concrete Tester	8	Days @	4	hrs/day	32	\$ 119.43	\$ 3,821.76
Travel Time - sample p/u	8	Days @	0.5	hrs/day	4	\$ 92.76	\$ 371.04
Laboratory Compression Tests	8	Sets @	5	cylinders/set	40	\$ 34.00	\$ 1,360.00
Laboratory Sieve Analysis - CTM 202	2	Tests @	1	each	2	\$ 146.00	\$ 292.00
Laboratory Sand Equivalent - CTM 217	2	Tests @	1	each	2	\$ 120.00	\$ 240.00
Laboratory Durability Index - CTM 229	2	Tests @	1	each	2	\$ 168.00	\$ 336.00
Laboratory R-Value - CTM 301	2	Tests @	1	each	2	\$ 302.00	\$ 604.00
Mileage	53	Trips @	6	miles/trip	318	\$ 0.70	\$ 222.60
						SUBTOTAL =	\$ 24,477.80

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Task 5 - Water Line							
Field Soils and Materials Tester	2	Days @	4	hrs/day	8	\$ 119.43	\$ 955.44
ASTM Laboratory Compaction Curves	2	Tests @	1	each	2	\$ 235.00	\$ 470.00
Mileage	2	Trips @	6	miles/trip	12	\$ 0.70	\$ 8.40
						SUBTOTAL = \$	1,433.84

Report Preparation and Project Management							
Associate Engineer	52	Weeks@	0.5	hrs/week	26	\$ 179.72	\$ 4,672.72
Supervisory Technician	52	Weeks@	1.5	hrs/week	78	\$ 127.55	\$ 9,948.90
Project Assistant	52	Weeks@	0.5	hrs/week	26	\$ 86.96	\$ 2,260.96
							SUBTOTAL = \$ 16,882.58

TOTAL: \$114,030.98