

**Table 1 - Cost Estimate, Owner Verification Testing Services**

T-88 Basin

Commerce City, Colorado

Division of Public Works

Item	Unit	Quantity	Unit Price	Amount
<b>QA Construction Materials Testing</b>				
Field Materials Technician	Hour	200	\$ 62.00	\$ 12,400.00
Project Manager	Hour	10	\$ 115.00	\$ 1,150.00
<b>Laboratory Testing - soils, concrete, asphalt</b>				
Gradation	Each	6	\$ 93.00	\$ 558.00
Atterberg Limits (Liquid & Plastic Limits)	Each	6	\$ 89.00	\$ 534.00
R-value	Each	2	\$ 470.00	\$ 940.00
Chlorides	Each	2	\$ 55.00	\$ 110.00
Sulfates	Each	2	\$ 55.00	\$ 110.00
Proctor	Each	2	\$ 155.00	\$ 310.00
Resistivity	Each	2	\$ 55.00	\$ 110.00
pH	Each	2	\$ 55.00	\$ 110.00
Concrete cylinders (sets of 5)	Each	20	\$ 24.00	\$ 480.00
Grout Cubes (sets of 6)	Each	12	\$ 24.00	\$ 288.00
Aggregate Moisture	Each	0	\$ 25.00	\$ -
Hveem Stability	Each	0	\$ 155.00	\$ -
Micro Deval	Each	0	\$ 235.00	\$ -
Cores (Received from QC)	Each	0	\$ 33.00	\$ -
Asphalt (AC) Content	Each	0	\$ 1,125.00	\$ -
Rice Value	Each	0	\$ 115.00	\$ -
Vehicle Mileage	Mile	5000	\$ 0.50	\$ 2,500.00
		Estimated Total Cost:		\$ 19,600.00

Notes: As requested this estimate for materials testing services will be provided as needed, documentation will be distributed via email. The primary assumption in this Cost Estimate is to provide owner oversight testing on the contractor's QC efforts.