

LABORATORY SERVICES FOR FIELD TESTING OF SOIL AND CONSTRUCTION MATERIALS

**OTTO ROSENAU & ASSOCIATES, INC.
2009 - 2011 FEE SCHEDULE**

Category	Subcategory	Test Method	Description	Unit	Rates
Geotechnical	Geotechnical		Professional Engineer	Hr	\$110.00
			Geologist	Hr	\$81.00
			Engineering Technician	Hr	\$69.00
Geotechnical	Soils	D2922	Soils Compaction and Control Technician	Hr	\$55.00
		D4318	Atterberg Limits - One-Point Method	Ea	\$79.00
		D4318	Atterberg Limits - Three-Point Method	Ea	\$130.00
			CTB Plugs/ Samples	Ea	\$59.00
		D422	Grain-Size Analysis - Hydrometer	Ea	\$199.00
		D1140	Grain-Size Analysis - Passing #200 Sieve	Ea	\$54.00
		D422	Grain-Size Analysis - Sieve Analysis (Wet)	Ea	\$76.00
		D422	Grain-Size Analysis - Sieve Analysis (Dry)	Ea	\$69.00
		D698 / D1557	Moisture-Density Relationship	Ea	\$150.00
		D558	Moisture-Density Relationship	Ea	\$180.00
		D2216	Natural Moisture Content	Ea	\$13.00
		D2974/ Method C	Organic Content	Ea	\$99.00
		C40	Organic Impurities of Fine Aggregate	Ea	\$59.00
		D2419	Sand Equivalency Test	Ea	\$99.00
		C127	Specific Gravity - Coarse Aggregate & Absorption	Ea	\$64.00
		C128	Specific Gravity - Fine Aggregate & Absorption	Ea	\$83.00
		D854	Specific Gravity - Soil	Ea	\$104.00
		C123	Lightweight Particles	Ea	\$116.00
			Dust Ratio	Ea	\$9.00
			Plasticity Index	Ea	\$130.00
			Asphalt/ Glass Content of Aggregate	Ea	\$69.00
		C142	Clay Lumps and Friable Particles in Aggregates	Ea	\$79.00
		WSDOT 113	Degradation Value	Ea	\$114.00
		D4791	Flat or Elongated Particles in Coarse Aggregate	Ea	\$73.00
		WSDOT 103	Fracture Face Count - Includes Sieve Analysis	Ea	\$109.00
		C535 / C131	LA Abrasion - Large/Small Aggregate	Ea	\$300.00
		C88	Soundness of Aggregates	Ea	\$225.00

LABORATORY SERVICES FOR FIELD TESTING OF SOIL AND CONSTRUCTION MATERIALS

**OTTO ROSENAU & ASSOCIATES, INC.
2009 - 2011 FEE SCHEDULE**

Category	Subcategory	Test Method	Description	Unit	Rates	
		C29 / 29M	Unit Weight and Voids in Aggregate	Ea	\$64.00	
Inspection	Asphalt	D2950	Asphalt Compaction and Control Technician	Hr	\$55.00	
			Asphalt Oil Content by Ignition with Gradation	Ea	\$154.00	
		D2726	Bulk Specific Gravity and Density	Ea	\$54.00	
		D2041 / WSDOT T-209	Rice Density	Ea	\$72.00	
		D3549	Drilled Core Thickness Measuring	Hr	\$55.00	
	Concrete			Concrete Testing and Inspection	Hr	\$53.00
				Post-Tensioned Concrete Inspection	Hr	\$53.00
				ACI Technician	Hr	\$41.00
		C39		Concrete Test Cylinders	Ea	\$15.00
		C42 (Except Sec #8)		Concrete Test Cylinders - Not Cast by ORA or Drilled Core Samples	Ea	\$29.00
		C78		Concrete Test Flexural Beams	Ea	\$44.00
		C495		Lightweight Concrete Test Cylinders	Ea	\$29.00
		C138		Unit Weight	Ea	\$38.00
		C157		Shrinkage Prisms (Set of 3)	Set	\$279.00
		C173, C231		Air Entrainment Test	Ea	No Charge
		C143		Slump Test	Ea	No Charge
		C805		Schmidt Hammer Testing	Hr	\$73.00
		C803		Windsor Probe Testing	Hr	\$73.00
				Windsor Probe Kit	Ea	\$46.00
		Masonry			Masonry Testing and Inspection	Hr
	C1019, C109			Grout and Mortar Specimens	Ea	\$15.00
	C1314			Prisms - Grouted and Un-grouted	Ea	\$81.00
	C140 (Except Sec #8)			Concrete Masonry Units (CMU) Compressive Strength Test	Ea	\$64.00
			Brick Compression Test Specimens	Ea	\$73.00	
C140			CMU Absorption Only	Ea	\$64.00	
C140			Unit Weight (Density) & Moisture Content	Ea	\$29.00	
C1072			Masonry Flexural Bond Strength	Ea	\$279.00	

LABORATORY SERVICES FOR FIELD TESTING OF SOIL AND CONSTRUCTION MATERIALS

**OTTO ROSENAU & ASSOCIATES, INC.
2009 - 2011 FEE SCHEDULE**

Category	Subcategory	Test Method	Description	Unit	Rates
		C1531/ Method B	In-Place Joint Shear Testing (2-Men Crew)	Hr	\$124.00
		C143	Slump Test	Ea	No Charge
	Grout		Grout Testing & Inspection	Hr	\$53.00
		C39	Grout Test Cylinders/Cubes	Ea	\$15.00
		C939	Flow Test-Grout	Ea	No Charge
		C143	Slump Test	Ea	No Charge
	Shotcrete		Shotcrete Testing and Inspection	Hr	\$53.00
		C1140 & IBC 2003 Sec #1914, 10.2	Shotcrete Test Panel (4 cores per panel)	Ea	\$159.00
	Structural Steel	WABO	Structural Steel Inspection	Hr	\$55.00
		ASNT Level II	Nondestructive Testing - UT, MP, LP	Hr	\$58.00
		AWS QC1	CWI Inspection/Consultation	Hr	\$61.00
	Fireproofing	E605/ E736	Spray-Applied Fireproofing Testing and Inspection	Hr	\$53.00
		E605	Fireproofing Density Specimens	Ea	\$57.00
		E736	Fireproofing Cohesion/ Adhesion Tests (3 locations per 1,000 sf per set)	Set	\$83.00
	Proprietary Anchors	WABO	Proprietary Anchor Inspection (Epoxy, Expansion Anchors, etc.)	Hr	\$53.00
	Lateral Framing	WABO	Lateral Framing Inspection (Wood, Cold Form Steel Studs, Holdown Installation, Shearwall Nailing, etc.)	Hr	\$53.00
	Seismic	IBC 2003	Seismic Tie Installation	Hr	\$53.00
	Suspended Ceiling	IBC 2003	Suspended Ceiling Inspection	Hr	\$53.00
	Life Safety Anchorage	IBC 2003	Life Safety Anchorage Inspection	Hr	\$53.00
	Waterproofing	IBC 2003	Waterproofing Inspection	Hr	\$53.00
	Paint	IBC 2003	Paint Inspection	Hr	\$53.00
	Roofing	IBC 2003	Roofing Inspection	Hr	\$64.00
	NREC	WABO	Non-Residential Energy Code Inspection	Hr	\$64.00
	Floor Flatness	E1155	Floor Flatness/Floor Levelness Survey	Hr	\$73.00
	Load Testing	E754	Helifix Anchor Load Testing	Hr	\$73.00
	Pull Testing	E488/ Sec #5.2	Pull Testing (2-Men Crew)	Hr	\$125.00

LABORATORY SERVICES FOR FIELD TESTING OF SOIL AND CONSTRUCTION MATERIALS

**OTTO ROSENAU & ASSOCIATES, INC.
2009 - 2011 FEE SCHEDULE**

Category	Subcategory	Test Method	Description	Unit	Rates
	Lab		Lab Technician	Hr	\$53.00
	Quality Control		QC Manager	Hr	\$64.00
	Office		Final Inspection/Review/Report	Hr	\$74.00
	Office		Project Management - Standard (Internal Report Review & Inspector Supervision)	Hr	No Charge
	Office		Project Management - Additional Support	Hr	\$81.00
	Office		Administrative Support - Standard (Daily Report Preparation, Review, and Distribution)	Hr	No Charge
	Office		Administrative - Additional Support	Hr	\$36.00
Investigative	Consultant		Professional Consultant	Hr	\$109.00
	Sawcutting		Sawcutting of Test Specimens	Cut	\$5.00
	Moisture Testing	F1869	Moisture Reading Technician	Hr	\$54.00
	Moisture Testing	F1869	Moisture Kit Technician	Hr	\$54.00
	Wood		Wood Investigation	Hr	\$69.00
	Turbidity		Turbidity Technician	Hr	\$69.00
	Turbidity		Turbidity Meter	Day	\$22.00
	Surveying		Surveying	Day	\$186.00
	Surveying		Boroscope	Hr	\$73.00
	Moisture Testing		Calcium Chloride (Moisture) Testing	Hr	\$53.00
	Moisture Testing		Calcium Chloride Kits	Ea	\$36.00
	Crack Monitor		Crack Monitoring - Installation & Monitoring	Hr	\$53.00
	Crack Monitor		Crack Monitors	Ea	\$36.00
	Video Survey		Video Survey	Hr	\$109.00
Locating	SIR		Subsurface Interface Radar Investigation (SIR) Technicians	Hr	\$162.00
	Pachometer		Pachometer Technician	Hr	\$73.00
	MetroTech		MetroTech Technician	Hr	\$73.00
	Two Box		Two Box Technician	Hr	\$73.00
Consumables	Mileage		Mileage (Within 50 Miles Radius Otherwise Prevailing IRS Rate Portal to Portal)	Mile	No Charge
	Parking		Parking Fee	Lot	At Cost
	Other Items		Other Project Associated Reimbursable Items	Lot	At Cost

Please refer to the attached fee schedule for our labor rates, laboratory testing rates, and other expenses for providing testing and inspection services.

Do you charge mileage? Yes ___ or No (within 50 miles radius),
if so what is your rate? Beyond 50 Miles Radius - \$ Prevailing IRS Rate

Describe other costs associated with mileage you have;

In addition to mileage expenses, travel time will be charged at the applicable inspector's rate portal to portal from our office in South Seattle.

Late cancellations (less than 3 business hours notice for day shift or 24 hours notice for night shift) will be charged 50% of the minimum charge at the applicable rate.

Describe and define your overtime and rush services costs;

Regular work hours for ORA personnel are an eight hour shift between 6:00 am and 5:00 pm Monday through Friday, except for holidays. The holidays recognized are New Years Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

For work on Saturdays, in excess of eight hours Monday through Friday or for work performed before 6:00 am or after 5:00 pm a reduced premium rate of 1.35 times the regular rate will be charged.

For work on Sundays, holidays, in excess of eight hours on Saturdays, and in excess of twelve hours Monday through Friday a reduced premium rate of 1.85 times the regular rate will be charged.

Laboratory rush samples will be invoiced at 1.5 times the standard test rate.

