



**2009 FEE SCHEDULE FOR  
GEOTECHNICAL / MATERIALS / CODE COMPLIANCE SERVICES**

**STAFF RATES**

Principal/Senior Engineer (If Requested) .....	\$\$\$ 110 / hour
Project Engineer/P.E (If Requested) .....	\$ 90 / hour
Engineer/Geologist .....	\$\$\$ 65 / hour
ICC Electrical, Mechanical, Plumbing, Combination Inspector.....	\$\$\$ 68 / hour
WABO Structural Steel/Welding/NDT Special Inspector.....	\$\$\$ 58 / hour
WABO Special Inspector/Testing and Sampling Inspector .....	\$\$\$ 48 / hour
Administrative/Dispatch/Reporting .....	\$ 45 / hour

**GEOTECHNICAL/MATERIALS TESTING EQUIPMENT CHARGES**

Skidmore Wilhelm Bolt Tension Calibrator.....	\$ 50.00 / day
Calibrated Torque Wrench .....	\$\$\$ 25.00 / day
Nuclear Densometer Gauge .....	\$\$\$ 40.00 / day
Floor Flatness (FF and FL) .....	\$\$\$ 175.00 / day
Ultrasonic/Magnetic Particle.....	\$\$\$ 60.00 / day
Field Hydraulic Tensile Pull Test Load Frame (ASTM E488).....	\$\$\$ 150.00 / day
Bond Strength Pull-off Tester (ACI 503).....	\$\$\$ 50.00 / day
50mm/75mm Machined Steel Bonding Discs and Epoxy Adhesive (ACI 503).....	\$\$\$ 28.00 / each
Core Machine.....	\$\$\$ 60.00 / hour
Moisture Meter .....	\$\$\$ 30.00 / day
Tooke Thin-Film Thickness Gauge.....	\$\$\$ 30.00 / day
Elcometer Digital Coating Thickness Gauge.....	\$\$\$ 30.00 / day
Horiba IG-320 Glossmeter.....	\$\$\$ 50.00 / day
Pachometer.....	\$\$\$ 125.00 / Day
Turbidity and pH Meter.....	\$\$\$ 35.00 / day
Floor Moisture Vapor Transmission .....	\$\$\$ 25.00 / each
Vaisala Internal Concrete Humidity Meter.....	\$ 35.00 / day

Note: Equipment charges do not include hourly labor fees

**SOIL AND AGGREGATE TESTS**

Standard 4" Mold .....	D 698 Method A	\$165.00 / each
Standard 6" Mold .....	D 698 Method B, C	\$170.00 / each
Modified, 4" Mold .....	D 1557 Method A	\$175.00 / each
Modified, 6" Mold .....	D 1557 Method B, C	\$180.00 / each
Check Point.....		\$ 60.00 / each
Oversized Correction .....		\$ 35.00 / each
Sieve Analysis, Coarse Including Wash.....	C 136	\$ 90.00 / each
Sieve Analysis, Coarse and Fine Including Wash (and hydrometer).....	D 422	\$165.00 / each
Minus No. 200 Wash.....	D 1140	\$ 60.00 / each
Plasticity Index/Atterberg Limits.....	D 4318	\$105.00 / each
Specific Gravity.....	C 127, C 128, D 854	\$ 65.00 / each
Clay Lumps and Friable Particles in Aggregates.....	C 142	\$ 65.00 / each
Moisture Determination and Unit Weight (Tube Sample) .....	D 2216, D 2937, D 4643	\$ 25.00 / each
Moisture Determination Only.....	D 2216, D 4643	\$ 15.00 / each
Sand Equivalent (Set of 3) .....	D 2419	\$ 95.00 / set
Bulk Density (Unit Weight and Voids in Aggregate) .....	C 29/C 29M	\$ 50.00 / each

Organics Content .....	D 2974	\$ 45.00 / each
Organics Impurities in Fine Aggregate .....	C 40	\$ 35.00 / each
Consolidation (Maximum 8 load points, includes stress-strain plots) .....	D 2435	\$325.00 / each
Direct Shear (Each Point, 3 points typical) .....	D 3080	\$110.00 / each
Unconfined Compression (Includes sample prep/end cuts) .....	D 2166	\$ 70.00 / each
Triaxial Shear, UU (Each) .....	D 2850	\$275.00 / each
Triaxial Shear, CU (Each Point) .....	D 4767	\$325.00 / each
Triaxial Shear, CD (Each Point) .....		\$425.00 / each
Triaxial Permeability (Each) .....		\$325.00 / each
Sample Preparation (if required/requested) .....		\$ 50.00 / hour

### CONCRETE

Concrete Cylinder Cured and/or Compression Tested.....	C 39	\$ 18.00 / each
Compression Test, Lightweight Insulating Concrete .....	C 495	\$ 50.00 / each
Compression Test, Gunite/Shotcrete Panel, Set of 4 Cores .....	C 1140	\$100.00 / panel
Concrete Flexural Test Beam, 6 x 6 x 18.....	C 78	\$ 70.00 / each
Sample Sawcutting.....		\$ 20.00 / each

### FIREPROOFING

Cohesion/Adhesion of Spray Applied Fireproofing (hourly labor rate is additional) .....	E 736	\$ 12.00 / each
Density of Spray Applied Fireproofing .....	E 605	\$ 65.00 / each

### MASONRY

Grout or Mortar Specimen		
Cured and/or Compression Tested.....	C 109, C 579, C 942, C 1019	\$ 18.00 / each
Compression Test, 8 x 8 x 16 Prisms or smaller.....	E 447	\$ 90.00 / each
Compression Test, 10 x 8 x 16 Prisms or smaller.....	E 447	\$100.00 / each
Compression Test, 12 x 8 x 16 Prisms or smaller.....	E 447	\$110.00 / each

### ASPHALT

Extraction, % Bitumen, with Gradation.....		\$240.00 / each
Unit Weight of Core or Compacted Sample .....	D 1188, D 2726	\$ 45.00 / each
Maximum Theoretical Specific Gravity (Rice Method).....	D 2041	\$110.00 / each
Moisture Content.....	D 2726	\$ 35.00 / each
Bulk Specific Gravity .....	D 2726	\$ 45.00 / each
Fractured Face Count with Gradation .....	D 5318	\$ 135.00 / each
Aggregate Soundness.....	C 88	\$ 40.00 / each

### POROUS PAVEMENT

Percent Air Voids (Includes all 3 test methods in this section) .....	D 3203	\$275.00 / each
Bulk Specific Gravity of Parafilm Coated Core Sample.....	D 1188	\$ 65.00 / each
Maximum Theoretical Specific Gravity/Density .....	D 2041	\$110.00 / each

### OTHER

Mileage .....		\$ No Charge
Field Vehicle (If required full time on site) .....		\$ 60.00 / day
Per Diem (Beyond 75 miles of Redmond Office).....		\$125.00 / day

Travel Expenses with the exception of mileage and Per Diem will be billed at cost if required for out of town travel.

**Note: HMA does not charge hourly minimums or cancellations provided employee is not yet in route to project site.**

We do not charge mileage we have not costs associated with travel. Costs associated with travel are built into our hourly rates.

We do no charge for rush service fees, rush services are charged at our standard rate with no premium applied.

Our philosophy on overtime is that we be compensated for the additional employee wages we are required to pay for our staff. From our experience with agencies, contractors and developers, we have found that charging a premium of 35% is viewed as fair compensation while at the same time providing our firm with the additional compensation to provide the 50% wage premium for our staff. For our contracted work with the City of Seattle, we request that the 35% premium be paid for work exceeding 8 hours per day, as well as weekend work. HMA observes seven holidays for which we charge a premium of 85%.

The holidays include New Years Day, Memorial Day, Fourth of July, Labor Day, and Day before Thanksgiving, Thanksgiving Day, and Christmas day. We have not been requested to provide testing or inspection on any of HMA's recognized holidays during the last four years.

