



Pavement Engineering Inc. 2024 PROFESSIONAL FEE SCHEDULE

Engineering Services

Senior Principal Engineer	\$270/hr
Principal Engineer	\$240/hr
Senior Associate Engineer	\$215/hr
Associate Engineer	\$190/hr
Assistant Engineer	\$185/hr

Technical Services

Project & Construction Managers	\$190/hr
Laboratory Manager	\$190/hr
Senior Engineering Technician	\$165/hr
Engineering Technician	\$150/hr
Inspector*	\$155/hr
Laboratory Technician	\$125/hr
Clerical	\$ 85/hr

Field Services

PW Deflection Testing**	\$575/hr
PW Deflection Testing Travel*	\$375/hr
PW Coring**	\$450/hr
PW Traffic Control	\$300/hr
PW Coring Travel / Traffic Control Travel*	\$380/hr

*Two (2) hour minimum **Four (4) hour minimum

Basis of Charges

Miscellaneous Charges

Equipment rental, reproductions, testing (other than by PEI), photographic expenses and other outside services:..... Cost + 15%

Payments

Invoices will be submitted either semi-monthly or monthly and are payable upon receipt. Interest of 1-1/2% per month (but not exceeding the maximum rate allowable by law) will be payable on any amounts not paid within 30 days, payment thereafter to be applied first to accrued interest and then to the principal unpaid amount. Attorneys' fees or other costs incurred in collecting any delinquent amount shall be paid by the client.



2024 Laboratory Fee Schedule

Effective from January 1, 2024 until further notice. Field tests and QC/QA Testing provided by Quote

Aggregate Testing for HMA, Soils, and Concrete	ASTM	AASHTO	Caltrans	Fee
Sieve Analysis: Coarse and Fine with wash	C 136	T 27	202	\$165
Sieve Analysis: Coarse Only	C 136	T 27	202	\$110
Sieve Analysis: Fine Only	C 136	T 27	202	\$125
Sieve Analysis: Ignition Extraction Sample	D 5444	T 30	202-A	\$175
Sieve Analysis: Solvent Extraction Sample	D 5444	T 30	202-A	\$175
Sieve Analysis: RAP Extracted Sample	D6307 / D5444	T 308 / T 30	382 / 202	\$210
Sand Equivelant	D 2419	T 176	217	\$150
Durability: Coarse Aggregate	D 3744	T 210	229	\$280
Durability: Fine Aggregate	D 3744	T 210	229	\$210
Cleanness Value			227	\$245
Specific Gravity: Fine Aggregate	C 128	T 84	207	\$325
Specific Gravity: Coarse Aggregate	C 127	T 85	206	\$175
Specific Gravity: Apparent			208	\$165
Crushed Particles: Coarse Aggregate (One and Two Face)	D 5821	T 335	205	\$190
Crushed Particles: Fine Aggregate (One Face only)	D 5821	T 335	205	\$130
Flat and Elongated Particles	D 4791		235	\$210
Aggregate Moisture Content	C 566	T 255	226	\$70
Clay Lumps & Friable Particles	C 142			\$135
Fine Aggregate Angularity (FAA) *May require Fine Specific Gravity	C 1252	T 304	234	\$220
Organic Impurities	C 40			\$130
Abraision Resistance LA Rattler	C 131 / 535	T 96	211	\$265
Resistance Value (R-value)	D 2844		301	\$390
Sodium Sulfate Soundness	C 88	T 104	214	\$700
Centrifuge Kerosene Equivelant: Coarse			303	\$185
Centrifuge Kerosene Equivelant: Fine			303	\$185

Soils	ASTM	AASHTO	Caltrans	Fee
Sieve Analysis: Fine Graded Soils	D6913	T27	202	\$165
Plasticity Index *Includes Liquid and Plastic Limit	4318 / 2487	T 89 / 90	204	\$350
Liquid Limit (Atterberg Limits)	D4318	T 89	204	\$230
Plastic Limit (Atterberg Limits)	D4318	T 90	204	\$140
Moisture Density: Standard Proctor	D698	T 99		\$285
Moisture Density: Modified Proctor	D1557	T 180		\$285
Relative Compaction (California Density Tube)			216	\$275
Resistance Value (R-Value)	D2844	T 190	301	\$390
Resistance Value (R-Value) Treated Soil or Base	D2844	T 190	301	\$475
Sand Equivelant	D2419	T 176	217	\$150
PH of Soils	D4972	T 289		\$85
Expansion Index	D4829			\$225

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Hot Mix Asphalt - Hveem Method	ASTM	AASHTO	Caltrans	Fee
HMA Mix Tests - Complete Set with Air Voids		set	Set	\$675
HMA Mix Tests - Bulk Specific Gravity Only	1561/2726	T 247/166	304, 308	\$450
HMA Mix Tests - Stability Only	1561/1560	T 247/246	304, 366	\$450
Maximum Specific Gravity	D2041	T 209	309	\$190
Core Unit Weight - Field Specimen	D2726	T 166	308	\$45
Asphalt Content Ignition Method	D6307	T 308	382	\$195
Ashphalt Content Oven Correction	D6307	T 308	382	\$550
Asphalt Binder Content - Chemical Extraction Method	D 2172		Method B	\$475
Tensile Strength Ratio (TSR) - Plant Produced	D4867	T 283	371	\$1,000
Tensile Strength Ratio (TSR) - Laboratory Produced	D4867	T 283	371	\$1,500

Hot Mix Asphalt - Marshall Method	ASTM	AASHTO	Caltrans	Fee
HMA Mix Tests - Complete Set with Air Voids	set	set		\$700
HMA Mix Tests - Flow and Stability Only	D1559	T 245		\$525
HMA Mix Tests - Bulk Specifc Gravity Only	D1559	T 245/269		\$450
Maximum Specific Gravity	D2041	T 209	309	\$190
Core Unit Weight - Field Specimen	D2726	T 166	308	\$45
Asphalt Content	D6307	T 308	382	\$195
Ashphalt Content Oven Correction	D6307	T 308	382	\$550
Tensile Strength Ratio (TSR) - Plant Produced	D4867	T 283	371	\$1,000
Tensile Strength Ratio (TSR) - Laboratory Produced	D4867	T 283	371	\$1,500
Asphalt Pavement Analyzer (APA)		T 340		\$4,500

Hot Mix Asphalt - Gyatory Method	ASTM	AASHTO	Caltrans	Fee
HMA Mix Tests - Complete Set		set		\$725
RHMA Mix Tests - Complete Set (Includes 1 hour hold times)		set		\$775
Maximum Specific Gravity	D2041	T 209	309	\$190
Core Unit Weight - Field Specimen	D2726	T 166	308	\$45
Asphalt Binder Content - Ignition Method	D6307	T 308	382	\$195
Ashphalt Content Oven Correction	D6307	T 308	382	\$550
Asphalt Binder Content - Chemical Extraction Method	D 2172		Method B	\$475
Hamburg Wheel Track		T 324	389	\$1,000
Tensile Strength Ratio (TSR) - Plant Produced	D4867	T 283	371	\$1,000
Tensile Strength Ratio (TSR) - Laboratory Produced	D4867	T 283	371	\$1,500
Asphalt Pavement Analyzer (APA)		T 340		\$4,500

2024 Laboratory Fee Schedule

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HMA Mix Design - Hveem Method	Fee
HMA Mix Design - Admin Review *Allowed on PEI original mix designs less than 24 months old	\$500
HMA Mix Design - Update *Allowed on PEI original mix designs older than 24 Months * Max 1.	\$1,750
HMA Mix Design - CEM 3513 JMF Verification *Requires Plant produced mix.	\$3,200
2006 Standard Coarse / Medium / Max Including all aggregate and Mix Tests	\$3,600
2010 Standard HMA Includes complete CEM 3511 and CEM 3512 (TSR + Hamburg Separate)	\$4,000

HMA Mix Design - Marshall Method	Fee
Marshall HMA Mix Design Base - FHWA, ACCE, and other standard specs	\$4,400
Marshall HMA Mix Design Custom - Speciality Specifications and Projects	\$4,700

HMA Mix Design - Gyration Method	Fee
HMA Mix Design - Admin Review *Allowed on PEI original mix designs less than 24 months old	\$500
HMA Mix Design - Update *Allowed on PEI original mix designs older than 24 Months * Max 1.	\$1,850
HMA Mix Design - CEM 3513SP JMF Verification *Requires Plant produced mix.	\$3,500
2018 Superpave JMF HMA Includes complete CEM 3511 and CEM 3512 (TSR + Hamburg Separate)	\$5,700
HMA Mix Design - LP-9 Data - For a PEI Mix Design	\$1,000
HMA Mix Design - JMF Verification TSR and Hamburg for design completion	\$1,800
Asphalt Pavement Analyzer (APA) - Lab Produced for 3 tests	\$5,000

Concrete	ASTM	AASHTO	Caltrans	Fee
6" x 12" or 4" x 8" Cylinder: Compression Strength (Per Cylinder)	C 39			\$35
6" x 6" x 18" Flexural Bream	C 78 / 293			\$100
6" x 6" x 30" Flexural Bream				\$105
Concrete Trail Batch (Slump Test, Unit Weight, Air, and 6 Cylinders)	Various			\$850
Concrete Technician - Half Day Rate	Various			quote
Concrete Technician - Full Day Rate	Various			quote
Cylinder Pick-Up Only Trip - Within 20 miles of PEI Office				\$110

Concrete Cylinder Casting, Air Meter, Slump Test, Kelly Ball, and Unit Weight completed under daily field rates.