

SUMMARY OF LABORATORY FEES

Effective February 2025

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LAB CODE	TEST SPECIFICATION	STANDARD TURNAROUND (BUSINESS DAYS)*	STANDARD PRICING*	RUSH TURNAROUND (BUSINESS DAYS)*	RUSH PRICING*
SOIL AND ROCK					
8800	Caltrans Relative Compaction, CT216	3	\$475	Same Day	\$950
9100	Clay Lumps and Friable Particles, ASTM C142	5	\$390	Next Day	\$780
9130	Cleanness Value, CT 227 each	5	\$295	2	\$590
8310	Compaction, ASTM D1557 (A-C)	4	\$400	2	\$800
8309	Compaction, Manual, ASTM D1557 (A-C)	4	\$565	2	\$1,130
8311	Compaction Point, AASHTO T272	4	\$375	2	\$750
8312	Compaction, ASTM-1557 (A-D) or ASTM-D698 with Correction	4	\$485	2	\$970
8314	Rock crushing (25 lbs)	5	\$200	2	\$400
8315	Compaction, Rock Correction, ASTM D4718	4	\$98	Next Day	\$196
8316	Compaction, ASTM D4253, Vibratory Table	4	\$440	2	\$880
8317	Compaction, Lime/Cement Treated, ASTM D558	5	\$610	3	\$1,220
8220	Consolidation – Incremental Loading ASTM D2435, Method A	32	\$600	16	\$1,200
8221	Consolidation – Incremental Loading ASTM D2435, Method B	32	\$685	16	\$1,370
8230	Consolidation, ASTM D2435 Unload – Reload Cycle	4	\$120	2 Additional	\$240
8410	Consolidation – CRS, ASTM D4186, Depths from 0 to 75 feet	5	\$780	4	\$1,560
8411	Consolidation – CRS, ASTM D4186, Depths from 75 feet and below and/or stiff clays	5	\$950	4	\$1,900
Additional Unload – Reload Cycle (for CRS, Lab Code 8410 and 8411 only)					
8412	Stress Range: 1 - 5 ksf	Variable	\$390	N/A	\$780
8413	Stress Range: 5 - 10 ksf	Variable	\$585	N/A	\$1,170
8414	Stress Range: 10 - 15 ksf	Variable	\$585	N/A	\$1,170
8415	Stress Range: 15 - 20 ksf	Variable	\$780	N/A	\$1,560
8184	Deep Soil Mix (DSM) Compression Test	5	\$110	2	\$220
8201	Direct Shear – CD, Additional Cycles (per point) ASTM D3080	2	\$110	N/A	\$220
8202	Direct Shear – CD, (2-points) ASTM D3080	8	\$590	5	\$1,180
8203	Direct Shear – CD, (3-points) ASTM D3080	12	\$826	8	\$1,652
8204	Direct Shear – CD, (4-points) ASTM D3080	16	\$1080	12	\$2,160
8451	Direct Shear – CD, (Additional Point) ASTM D3080	5	\$275	3	\$550
8991	Cyclic Simple Shear Test (CSS), ASTM D8296	5	\$2,100	5	\$4,200
8992	Monotonic Simple Shear Test, Load-Controlled (per point) ASTM D6528 - Modified	5	\$1,175	5	\$2,350
8900	Durability Index, CT229	5	\$345	Next Day	\$690
8320	Expansion Index, ASTM D4829	8	\$490	4	\$980
8321	Expansion Index, ASTM D4829 - Lime Treated in Lab	Dependent on cure time	\$585	Dependent on cure time	\$1,170
9630	Fine Aggregate Angularity Percentage, CT 234, AASHTO T304, Method A	5	\$195	Next Day	\$390
8990	Laboratory Miniature Vane Shear (peak Value), ASTM D4648	5	\$145	Next Day	\$290
8160	Moisture Content & Unit Weight, ASTM D7263	5	\$75	Next Day	\$144
8140	Moisture Only, ASTM D2216, CT 226	5	\$50	Next Day	\$100
8150	Moisture Only, ASTM D4643, CT 370 (By Microwave oven)	5	\$110	Same Day	\$220
9590	Organic Content of Soil ASTM D2974	5	\$200	Next Day	\$400
9090	Organic Impurities, ASTM C40	5	\$195	Next Day	\$390
9120	Percent Crushed Particles Per Fraction, CT205	5	\$292	Same Day	\$584
9110	Percent Flat or Elongated Particles, ASTM D4791, CT 235	5	\$292	Same Day	\$584

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8980	Soil pH, percent Lime for Stabilization, ASTM D6276 (Eades and Grimm)	5	\$465	Next Day	\$930
8870	Soil pH, ASTM D4972, CT 643	5	\$162	Same Day	\$324
8190	Plasticity Index, Dry Method - ASTM D4318	5	\$318	Next Day	\$636
8191	Plasticity Index, Wet Method - ASTM D4318 (ASTM Default method)	5	\$305	Next Day	\$610
8192	Plasticity Index, Lime/Cement Treated - ASTM D4318)	5	\$342	Next Day	\$684
8510	Rock Core Unconfined Compressive Strength, ASTM D7012	5	\$345	Same Day	\$690
8970	R-Value – Lime/Cement Treated, ASTM D2844 CT301	6	\$700	3	\$1,400
8290	R-Value, ASTM 2844, CT301	6	\$685	3	\$1,370
8280	Sand Equivalent, CT 217, ASTM D2419	5	\$295	Next Day	\$590
8261	Dry Sieve, ASTM D1140, C117	5	\$195	Next Day	\$390
8262	#200 Wash, ASTM D1140, C117	5	\$150	Next Day	\$300
8263	Sieve & #200 Wash, D6913, C136, CT202 (up to one 5-gal. bucket or 50 lbs)	5	\$225	Next Day	\$450
8264	Sieve & Hydrometer, ASTM D422, D7928	5	\$400	2	\$800
8253	Specific Gravity, ASTM D854	5	\$250	Next Day	\$500
8250	Specific Gravity Combined (ASTM C127 and (ASTM C128 or ASTM D854) one coarse fraction)	5	\$490	Next Day	\$980
8251	Specific Gravity, ASTM C127	5	\$185 Per Size Fraction	Next Day	\$370 Per Size Fraction
8252	Specific Gravity, ASTM C128	5	\$285 Per Size Fraction	Next Day	\$570 Per Size Fraction
8660	Specimen Remolding and/or Lab Mixing (per specimen)	Varies	\$185	Dependent on type of remolding	\$370
8240	California Bearing Ratio (CBR), ASTM D1883	4	\$780	Dependent on soil type	\$1,560
9070	Sulfate Soundness, CT 214, ASTM C88	6	\$585/ Fraction	Dependent on number of fractions	\$1,170/ Fraction
8111	Sulfate Testing in Soils ASTM C1580	5	\$255	Next Day	\$510
8490	Swell Test A, per point ASTM D4546 - 2004	5	\$390	4	\$780
8500	Swell Test B, per point ASTM D4546 - 2004	5	\$410	4	\$820
8501	Swell Test C, per point ASTM D4546 - 2004	5	\$410	4	\$820
8491	Swell/Collapse Test A, per point ASTM D4546	8	\$410	4	\$820
8503	Swell/Collapse Test B, per point ASTM D4546	5	\$410	Dependent on material behavior	\$410
8502	Swell/Collapse Test C, per point ASTM D4546	5	\$410	Dependent on material behavior	\$820
8170	Soil Cement – Wet/Dry Durability, ASTM D559	Varies	\$1,250	N/A	\$2,500
8350	Isotropic Triaxial Compression – CU, Single Specimen, Multistage Test ASTM D4767 - Modified	Varies	\$1,050/ Stage	Dependent on number of stages and material type	\$2,100/ Stage
8344	Triaxial CU Testing, SHANSEP Procedure (per point) USACE	Varies	\$195	Varies	\$390
8340	Isotropic Triaxial Compression – CU (1- point) ASTM D4767, USACE	5	\$630	4	\$1,260
8341	Isotropic Triaxial Compression – CU (2 points) ASTM D4767, USACE	9	\$1,210	8	\$2,420
8342	Isotropic Triaxial Compression – CU (3 points) ASTM D4767, USACE	14	\$1,875	12	\$3,750
8343	Isotropic Triaxial Compression – CU (4 points) ASTM D4767, USACE	18	\$2,350	15	\$4,700
8330	Isotropic Triaxial Compression – UU (per point) ASTM D2850, USACE	5	\$245	Next Day	\$490
8180	Unconfined Compression - Soils, ASTM D2166	5	\$150	Next Day	\$296

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8181	Unconfined Compression, Lime/Cement-Treated Soil ASTM D5102/D1633	18	\$390	9	\$780
8182	Unconfined Compression, Lime/Cement-Treated Soil CTM 373	18	\$1,170	9	\$2,340
8178	Unconfined Compression, Lime/Cement Slurry	18	\$210	9	\$420
8183	Unconfined Compression, Lime/Cement -Treated Soil, Additional points	18	\$90	9	\$180
8179	Unconfined Compressive Strength Testing, Soil-Cement-Bentonite Slurry (field sample), ASTM D1633	Dependent on the specified break schedule	\$232	Dependent on the specified break schedule	\$464
8661	LA Abrasion (Rattler), ASTM C131, CT 211	4	\$292	2	\$584
CONCRETE					
9220	Absorption, ASTM C642	6	\$475	Next Day	\$950
9013	Shotcrete, Field cores (cored in the field), per core, ASTM C1140	5	\$148	2	\$296
9014	Shotcrete, 1 core, ASTM C1140	5	\$190	2	\$380
9320	Compression Test, per 6" x 12" cylinder, ASTM C39	5	\$65	Same Day	\$130
9330	Compression Test, per 4" x 8" cylinder ASTM C39	5	\$55	Same Day	\$110
9941	Flexural Strength of Concrete Beams (4"x4"x14") ASTM C78	5	\$195	Same Day	\$390
9940	Flexural Strength of Concrete Beams (6"x6"x21") ASTM C78	5	\$200	Same Day	\$400
9340	Compressive Strength of Lightweight Insulating Concrete (ASTM C495)	5	\$196	Same Day	\$392
9020	Core Trimming, In Laboratory	5	\$98	Same Day	\$196
9950	Thickness of Drilled Concrete Cores, ASTM C174	5	\$98	Same Day	\$196
9060	Laboratory Trial Batch, ASTM C192, Including Test Cylinders	5	\$1,170	Same Day	\$2,340
9080	Length Change (3 bars, 4 readings, up to 90 days), ASTM C157 modified	28-90	\$610	28-90	\$1,220
9050	Slab Moisture Determination Test Kit	5	\$48	Next Day	\$96
9000	Unit Weight of Lightweight Concrete Cylinders (ASTM C495)	5	\$110	Next Day	\$220
MORTAR & GROUT					
9250	Compression Test 2" Mortar Cubes, ASTM C109	5	\$100	Next Day	\$200
9240	Compression, Grout Prisms, ASTM C1019	5	\$130	Next Day	\$260
9230	Compression, Mortar Cylinder, ASTM C39	5	\$115	Next Day	\$230
ASPHALTIC CONCRETE*					
8010	AC Correction Factor, ASTM D6307, CT 382	N/A	N/A	N/A	\$780
8020	RAP Aggregate Gradation Correlation Factor, Caltrans LP-9	N/A	N/A	N/A	\$3,000
8070	AC Maximum Density (Avg. of 3 Briquettes) D1188, CT308	N/A	N/A	N/A	\$655
8071	AC Maximum Density (Avg. of 3 Briquettes) D1188, CT 308 (S-Value is performed prior to LTMD)	N/A	N/A	N/A	\$585
8090	AC Maximum Theoretical Unit Weight ASTM D2041, CT 309 (Rice Specific Gravity)	N/A	N/A	N/A	\$485
8091	Unit Weight (does not include voids) ASTM C29	N/A	N/A	N/A	\$195
8092	Unit Weight and Voids of Coarse Aggregate (Oven Dry, SSD), ASTM C29, C127	N/A	N/A	N/A	\$345
8093	Unit Weight and Voids of Fine Aggregate (Oven Dry, SSD), ASTM C29, C128	N/A	N/A	N/A	\$390
8094	Unit Weight and Voids of Mixed Aggregates (Oven Dry, SSD), ASTM C29, C127, C128	N/A	N/A	N/A	\$685
9460	Asphalt Core Density (4" Core), ASTM D1188, ASTM 2726, CT308	N/A	N/A	N/A	\$145
9461	Asphalt Core Density (6" Core), ASTM D1188, ASTM 2726, CT 308	N/A	N/A	N/A	\$165
9462	Thickness of Asphalt Cores, CT 308	5	N/A	2	\$97
8532	Extraction by Centrifuge ASTM 2172	N/A	N/A	N/A	\$550
8531	Extraction by Ignition Oven, ASTM D6307, CT 382	N/A	N/A	N/A	\$450
8533	Extraction by Reflux Extractor, ASTM D2172 – Method B	N/A	N/A	N/A	\$895

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8050	Stability Test (Avg. of 3 Briquettes), ASTM D1560, CT 366, (w/o Max. Density test)	N/A	N/A	N/A	\$900
8060	Marshall Stability and Flow of Bituminous Mixtures, ASTM D6927	5	N/A	3	\$780
VOLUMETRIC PROPERTIES OF HMA					
9660	Absorbed Asphalt Binder CT 367	N/A	N/A	N/A	\$210
9600	Air Void Content	N/A	N/A	N/A	\$210
9670	Bulk Specific Gravity – Admixture Blend CT 367	N/A	N/A	N/A	\$210
9640	Dust Proportions, CT 367, Caltrans LP-4	N/A	N/A	N/A	\$210
9680	Effective Asphalt Binder of Volume, CT 367	N/A	N/A	N/A	\$210
9690	Effective Binder Content, CT 367	N/A	N/A	N/A	\$210
9580	Effective Specific Gravity of Aggregate-Admixture Blend, CT 367	N/A	N/A	N/A	\$210
9620	Void Filled With Asphalt CT 367, LP-3	N/A	N/A	N/A	\$210
9610	Voids in Mineral Aggregate CT 367, LP-2	N/A	N/A	N/A	\$210
Note: Lab fees for volumetric properties of HMA per CT 367 are based on tests CT 202, CT 308, CT 309, and CT 382 have been completed.					
FIREPROOFING					
9990	Oven Dry Density, Fireproofing, per sample	5	\$150	Next Day	\$300
SAMPLE STORAGE					
10000	Sample Storage per month/per cubic yard	Per month	\$158	N/A	N/A

- *Rush turnaround times are calculated based on the average minimum time required to complete the test and remain compliant with the applicable test standard.
- *Rush turnaround time prioritizes rush testing over other requested testing and dedicates a technician to complete the rush testing as quickly as possible. Rush turnaround times are estimates only and do not guarantee test completion within the estimated rush testing timeframe.
- *Test turnaround time is the amount of time required to perform the test once started. Test start times are dependent on available labor and equipment. Please contact Lab Services at labservices@engeo.com to determine equipment capacity and availability. Turnaround times are estimates only and do not guarantee test completion within the estimated testing timeframe.
- *The testing fees and test durations listed reflect the standard business hours required to perform the test. Samples requiring premium handling will incur additional hourly personnel charges in accordance with the Laboratory Technician Rate presented on our Fee Schedule.
- *For HMA testing, only rush pricing is provided because all HMA testing is expedited on a rush basis. When HMA testing is requested, all other testing is secondary due to the timeliness needed for the HMA results.
- Add three days to the estimated test duration for soil testing that requires remolded specimens.
- The above fees are reviewed annually and are subject to change. Additional tests are available upon request.
- Prices exclude field collection and transportation to the laboratory.
- Supplemental fees for laboratory preparation of specimens are charged on an hourly basis.
- Where tests are to be run on an immediate need basis (tests to be initiated out of order received and regardless of status of other previously received samples), the expediting fee is 100% of the listed unit rate.
- Sample storage is \$110 per month per 0.5 cubic yards of storage space.
- There is a 3:00 pm cut-off time for sample delivery/test start time.
- Turnaround times are based on samples delivered to the laboratory before 3:00 pm. Turnaround time on samples received after 3:00 pm will begin at 7:00 am the following business day.
- Concrete/masonry compression breaks requested prior to the scheduled break date and/or prior to 7:00 am will be considered rush testing requests and billed a rush fee.
- Witness testing will be billed at \$150.00/hour per individual witness.
- There is a 100% increase in fees per test for testing contaminated samples.
- Disposal charges for contaminated samples will be billed to the project on a time-and-expense basis.
- All project required weekend work is billed directly to the project with a 2-hour minimum charge.
- Samples requiring premium handling, such as searching for testable portions (Shelby, D&M tubes, etc.), will be billed on a time-and-expense basis to the project.