

### SUMMARY OF LABORATORY FEES

Effective February 2026

Our Laboratories are accredited by AASHTO, Caltrans, DSA, and the US Army Corps of Engineers

| LAB CODE  | TEST SPECIFICATION  | STANDARD TURNAROUND (BUSINESS DAYS)* | STANDARD PRICING* | RUSH TURNAROUND (BUSINESS DAYS)* | RUSH PRICING* |
|---|---|--------------------------------------|-------------------|----------------------------------|---------------|
| <b>SOIL AND ROCK</b>  |   |                                      |                   |                                  |               |
| 8800  | Caltrans Relative Compaction, CT216   | 3                                    | \$475             | Same Day                         | \$950         |
| 9100  | Clay Lumps and Friable Particles, ASTM C142                                       | 5                                    | \$425             | Next Day                         | \$850         |
| 9130  | Cleanness Value, CT 227 each  | 5                                    | \$295             | 2                                | \$590         |
| 8310  | Compaction, ASTM D1557 (A-C)  | 4                                    | \$420             | 2                                | \$840         |
| 8309  | Compaction, Manual, ASTM D1557 (A-C)  | 4                                    | \$575             | 2                                | \$1,150       |
| 8311  | Compaction Point, AASHTO T272   | 4                                    | \$375             | 2                                | \$750         |
| 8312  | Compaction, ASTM-1557 (A-D) or ASTM-D698 with Correction                          | 4                                    | \$510             | 2                                | \$1,020       |
| 8314  | Rock crushing (25 lbs)  | 5                                    | \$205             | 2                                | \$410         |
| 8315  | Compaction, Rock Correction, ASTM D4718   | 4                                    | \$100             | Next Day                         | \$200         |
| 8316  | Compaction, ASTM D4253, Vibratory Table   | 4                                    | \$440             | 2                                | \$880         |
| 8317  | Compaction, Lime/Cement Treated, ASTM D558  | 5                                    | \$625             | 3                                | \$1,250       |
| 8185  | Compression Testing of CLSM (ASTM D4832)  | 5                                    | \$148             | 3                                | \$296         |
| 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                                    | \$125             | 2 Additional                     | \$250         |
| 8410  | Consolidation – CRS, ASTM D4186, Depths from 0 to 75 feet                         | 5                                    | \$800             | 4                                | \$1,600       |
| 8411  | Consolidation – CRS, ASTM D4186, Depths from 75 feet and below and/or stiff clays | 5                                    | \$1,000           | 4                                | \$2,000       |
| 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                                    | \$148             | 2                                | \$296         |
| 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                                    | \$1,225           | 5                                | \$2,450       |
| 8900  | Durability Index, CT229   | 5                                    | \$345             | Next Day                         | \$690         |
| 8320  | Expansion Index, ASTM D4829   | 8                                    | \$500             | 4                                | \$1,000       |
| 8321  | Expansion Index, ASTM D4829 - Lime Treated in Lab                                 | Dependent on cure time               | \$595             | Dependent on cure time           | \$1,190       |
| 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                                    | \$52              | Next Day                         | \$104         |
| 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                                    | \$295             | Same Day                         | \$590         |

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|----------|---|---------------------------------------|-------------------------|---|-------------------------|
| 9110     | Percent Flat or Elongated Particles, ASTM D4791, CT 235                                     | 5                                     | \$295                   | Same Day                                      | \$590                   |
| 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                                     | \$165                   | Same Day                                      | \$330                   |
| 8190     | Plasticity Index, Dry Method - ASTM D4318   | 5                                     | \$318                   | Next Day                                      | \$636                   |
| 8191     | Plasticity Index, Wet Method - ASTM D4318 (ASTM Default method)                             | 5                                     | \$310                   | Next Day                                      | \$620                   |
| 8192     | Plasticity Index, Lime/Cement Treated - ASTM D4318)   | 5                                     | \$345                   | Next Day                                      | \$690                   |
| 8510     | Rock Core Unconfined Compressive Strength, ASTM D7012, Method C                             | 5                                     | \$345                   | Same Day                                      | \$690                   |
| 8970     | R-Value – Lime/Cement Treated, ASTM D2844 CT301   | 6                                     | \$735                   | 3   | \$1,470                 |
| 8290     | R-Value, ASTM 2844, CT301   | 6                                     | \$720                   | 3   | \$1,440                 |
| 8281     | Sand Cone Sand Calibration (50 pounds), ASTM D1556  | 5                                     | \$390                   | 3   | \$780                   |
| 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                                     | \$160                   | Next Day                                      | \$320                   |
| 8263     | Sieve & #200 Wash, D6913, C136, CT202 (up to one 5-gal. bucket or 50 lbs)                   | 5                                     | \$235                   | Next Day                                      | \$470                   |
| 8264     | Sieve & Hydrometer, ASTM D422, D7928  | 5                                     | \$420                   | 2   | \$840                   |
| 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                                     | \$256                   | Next Day                                      | \$512                   |
| 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 / material type | \$2,100/ Stage          |
| 8344     | Triaxial CU Testing, SHANSEP Procedure (per point) USACE                                    | Varies                                | \$200                   | Varies  | \$400                   |
| 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                                     | \$295                   | Next Day                                      | \$590                   |

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|----------------------------|--|---|-------------------|---|---------------|
| 8180                       | Unconfined Compression - Soils, ASTM D2166   | 5   | \$195             | Next Day                                  | \$390         |
| 8181                       | Unconfined Compression, Lime/Cement-Treated Soil ASTM D5102/D1633  | 18  | \$395             | 9   | \$790         |
| 8182                       | Unconfined Compression, Lime/Cement-Treated Soil CTM 373   | 18  | \$1,170           | 9   | \$2,340       |
| 8178                       | Unconfined Compression, Lime/Cement Slurry   | 18  | \$212             | 9   | \$424         |
| 8183                       | Unconfined Compression, Lime/Cement -Treated Soil, Additional points   | 18  | \$100             | 9   | \$200         |
| 8179                       | Unconfined Compressive Strength Testing, Soil-Cement-Bentonite Slurry (field sample), ASTM D1633   | Dependent on the specified break schedule | \$235             | Dependent on the specified break schedule | \$470         |
| 8091                       | Unit Weight (does not include voids) ASTM C29  | 5   | \$195             | 3   | \$390         |
| 8092                       | Unit Weight and Voids of Coarse Aggregate (Oven Dry, SSD), ASTM C29, C127  | 5   | \$345             | 3   | \$690         |
| 8093                       | Unit Weight and Voids of Fine Aggregate (Oven Dry, SSD), ASTM C29, C128  | 5   | \$390             | 3   | \$780         |
| 8094                       | Unit Weight and Voids of Mixed Aggregates (Oven Dry, SSD), ASTM C29, C127, C128  | 5   | \$685             | 3   | \$1,370       |
| 8661                       | LA Abrasion (Rattler), ASTM C131, CT 211   | 4   | \$300             | 2   | \$600         |
| <b>CONCRETE</b>            |  |   |                   |   |               |
| 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   | \$70              | Same Day                                  | \$140         |
| 9330                       | Compression Test, per 4" x 8" cylinder ASTM C39  | 5   | \$60              | Same Day                                  | \$120         |
| 9941                       | Flexural Strength of Concrete Beams (4"x4"x14") ASTM C78   | 5   | \$200             | Same Day                                  | \$400         |
| 9940                       | Flexural Strength of Concrete Beams (6"x6"x21") ASTM C78   | 5   | \$205             | Same Day                                  | \$410         |
| 9340                       | Compressive Strength of Lightweight Insulating Concrete (ASTM C495)  | 5   | \$196             | 3   | \$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   | \$49              | Next Day                                  | \$98          |
| 9000                       | Unit Weight of Lightweight Concrete Cylinders (ASTM C495)  | 5   | \$110             | Next Day                                  | \$220         |
| <b>MORTAR &amp; GROUT</b>  |  |   |                   |   |               |
| 9250                       | Compression Test 2" Mortar Cubes, ASTM C109  | 5   | \$100             | Next Day                                  | \$200         |
| 9240                       | Compression, Grout Prisms, ASTM C1019  | 5   | \$135             | Next Day                                  | \$270         |
| 9230                       | Compression, Mortar Cylinder, ASTM C39   | 5   | \$115             | Next Day                                  | \$230         |
| 9425                       | Grout Compression Conversion Factor for Alternative Method of Forming Test Specimens. (Typically, 20 breaks done at an age of 28 days)         | 30  | \$2,600           | N/A                                       | N/A           |
| <b>ASPHALTIC CONCRETE*</b> |  |   |                   |   |               |
| 8010                       | AC Correction Factor, ASTM D6307, CT 382   | N/A                                       | N/A               | N/A                                       | \$780         |
| 8022                       | Aggregate Gradation Correction Factor (In conjunction with AC Correction Factor which is billed separately), AASHTO T308 (Annex A), ASTM D6307 | N/A                                       | N/A               | N/A                                       | \$1,350       |
| 8021                       | Aggregate Gradation Correction Factor, AASHTO T308(Annex A), ASTM D6307  | N/A                                       | N/A               | N/A                                       | \$2,250       |
| 8020                       | RAP Aggregate Gradation Correlation Factor, Caltrans LP-9  | N/A                                       | N/A               | N/A                                       | \$3,000       |
| 9071                       | Soundness of Aggregate by Freeze-Thaw (Setup), AASHTO T103   | 5   | \$400             | 3   | \$800         |
| 9072                       | Soundness of Aggregate by Freeze-Thaw, (per cycle), AASHTO T103  | 1   | \$100             | 1   | \$200         |
| 9073                       | Soundness of Aggregate by Sodium Sulfate (Setup), AASHTO T104 ASTM C88, CT214  | 5   | \$400             | 3   | \$800         |
| 9074                       | Soundness of Aggregate by Sodium Sulfate, (per cycle), AASHTO T104 ASTM C88, CT214   | 1   | \$100             | 1   | \$200         |

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|---|---|---------------------------------------|-------------------|----------------------------------|---------------|
| 8265  | Sieve & #200 Wash (Gradations on HMA extracted aggregates) AASHTO T30, ASTM D5444                 | N/A                                   | N/A               | N/A                              | \$450         |
| 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         |
| 8080  | AC Maximum Density by Superpave Gyrotory Compactor (Avg. of 3 Briquettes) AASHTO T312, ASTM D6925 | N/A                                   | N/A               | N/A                              | \$750         |
| 8090  | AC Maximum Theoretical Unit Weight ASTM D2041, CT 309 (Rice Specific Gravity)                     | N/A                                   | N/A               | N/A                              | \$485         |
| 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  | N/A                                   | N/A               | 2                                | \$100         |
| 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         |
| 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         |
| <b>VOLUMETRIC PROPERTIES OF HMA</b>   |   |                                       |                   |                                  |               |
| 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. |   |                                       |                   |                                  |               |
| <b>FIREPROOFING</b>   |   |                                       |                   |                                  |               |
| 9990  | Oven Dry Density, Fireproofing, per sample  | 5                                     | \$150             | Next Day                         | \$300         |
| <b>SAMPLE STORAGE</b>   |   |                                       |                   |                                  |               |
| 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.
- 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.