



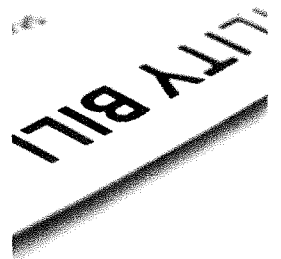
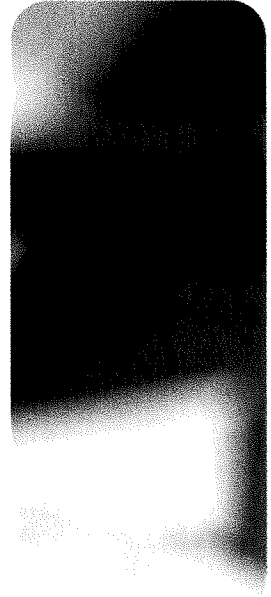
## E. FEE PROPOSAL

AGI understands that the County of San Bernardino is requesting proposals from interested and qualified consultants and companies to provide on-call professional geotechnical and geological services for San Bernardino County ("County") and all San Bernardino County Board-governed Special Districts (collectively, "District"), including all County Service Areas and their Zones, the Big Bear Valley Recreation and Park District, and the Bloomington Recreation and Park District, for the following services:

- Soil testing and analysis, soil compaction testing;
- Concrete sampling and testing; and
- Asphalt testing, sieve analysis, gradation, geological investigations, hydro-geological investigations, ground penetrating radar testing, seismic analysis, percolation testing, preliminary soils investigations and all reports and findings that may be required with the associated above testing and analysis to include professional certifications.

As set forth more fully below in the Section: Sample Scope of Services, AGI believes that it is uniquely qualified to provide the requested services, as it has been involved in hundreds of geotechnical, materials testing, and inspection projects for several municipal agencies throughout California. For example, AGI currently provides on-call services for, among others, Riverside County Flood Control, San Bernardino County Public Works, the City of Riverside, the City of Temecula, and the City of Jurupa Valley. AGI provides these municipalities with the same, if not more, services than the County has delineated in the Request for Proposal.

Several projects for other municipalities have also included services to support a County- required Quality Assurance Program (QAP) with Caltrans oversight. AGI has also performed various Community Development Block Grant (CDBG) and Pavement Management Program (PMP) projects. Furthermore, AGI is one of a few select firms with extensive experience in Cold In-Place Recycling (CIR), a methodology used by various municipalities and Caltrans to rehabilitate existing roadway asphalt concrete pavement for a fraction of traditional Hot Mix Asphalt (HMA) cost.





AGI will perform all services in accordance with all applicable federal, state, and County regulations and ordinances, including, but not limited to, the California Professional Engineers Act, Caltrans, ASTM, and AASHTO. If a conflict arises between federal, state, or local laws or regulations, AGI will adhere to the strictest standard.

## 1. AGI'S commitment to quality control

AGI is committed to providing ethical, reliable, and accurate Quality Control and Quality Assurance services. If quality control issues arise, AGI will perform a root cause analysis with the City, contractor, or material supplier to identify the problem and implement the appropriate corrective action, including, but not limited to, supplemental staff training, equipment replacement, repair, or calibration.

AGI's QC/QA services are supported by an in-house laboratory operated under the technical supervision of registered Geotechnical and Civil Engineers. For large projects, AGI can set up a fully equipped laboratory onsite. AGI's laboratory equipment, tools, and personnel comply with all applicable ASTM, AASHTO, CCRL and Caltrans standards, as well as other recognized test protocols. Moreover, AGI's inspectors and technicians are certified and trained by the American Concrete Institute (ACI), Caltrans, AASHTO, and the International Code Council (ICC) for the specific types of inspection being performed. Additional in-house training and engineering oversight are supplied by experienced professional staff.

An entire list of the laboratory tests offered by AGI is included in the Fee Schedule.





## 2. Fee Schedule

### LABORATORY TESTING

**Aragón Geotechnical, Inc. (AGI)** provides consulting services in the fields of soils and foundation engineering, engineering geology, earthquake engineering, fault studies, material testing, groundwater geology, environmental studies and other special inspection services. Compensation for services will be based on the following fee schedule.

#### Soil Tests

• Compaction Test (6" mold) ASTM D1557-Method C.....	\$300
• Compaction Test (4" mold) ASTM D1557-Methods A&B.....	\$250
• Relative Density - CA Test 216.....	\$285
• Consolidation Test - ASTM D2435-Method A.....	\$225
• Time Consolidation Test (per increment).....	\$55
• Direct Shear Test (drive-tube sample).....	\$210
• Direct Shear Test (remolded sample).....	\$240
• Direct Shear Test (residual).....	\$800
• Moisture-Density Test - ASTM D2937.....	\$35
• Expansion Index Test - ASTM D4829.....	\$190
• Atterberg Limits - ASTM D4318 & CA Test 204.....	\$225
• Sieve Analysis of Soils - ASTM D6913.....	\$250
• Hydrometer Analysis (w/ Sieve) - ASTM D422.....	\$250
• Material Passing the #200 Sieve - ASTM D1140.....	\$80
• Moisture Content of Soils - ASTM D2216.....	\$30
• Specific Gravity of Soils - ASTM D854.....	\$250
• R-Value of Soil or Aggregate - CA Test 301.....	\$350
• California Bearing Ratio Test (1 Pt.) - ASTM.....	\$500
• Rock Point Load Test.....	\$75
• Unconfined Compression Test.....	\$220
• Soil-Cement Compression Test - ASTM D1633.....	\$75
• Soil-Cement Trial Batch.....	Quote
• Dry Preparation of Soils - ASTM D421.....	\$100
• Permeability Test - ASTM D2434.....	Quote
• Triaxial Compression Test - ASTM.....	Quote



## Chemical Tests

• pH Value of Soils – ASTM D4972.....	\$150
• Corrosion Series – CA Test 643.....	\$300
• Sulfate Content – CA Test 417.....	\$80
• Chloride Content – CA Test 422.....	\$80

## Aggregate Tests

• Sieve Analysis w/ Wash – ASTM C136 / T 27 / CA Test 202.....	\$150
• Moisture Content – AASHTO T265 / CA Test 226.....	\$30
• Sand Equivalent – ASTM D2419 / CA Test 217.....	\$120
• Organic Impurities – ASTM C40 / CA Test 213.....	\$110
• Fine Specific Gravity – AASHTO T84 / ASTM C128.....	\$240
• Coarse Specific Gravity – AASHTO T85 / ASTM C127.....	\$180
• Cleanness Value – CA Test 227.....	\$200
• Durability Index (Fine & Coarse) – CA Test 229.....	\$180
• Flat & Elongated – D4791.....	\$215
• Crushed Particles – AASHTO T335 / CA Test 205.....	\$205
• Uncompacted Void Content – AASHTO T304.....	\$205
• Unit Weight of Aggregate – ASTM C29.....	\$115
• Clay Lumps & Friable Particles – ASTM C142.....	\$210
• LA Rattler – ASTM C131/C535 & CA Test 211.....	\$285
• Lightweight Pieces of Aggregate (2.0 or 2.4 SpG) – ASTM C123.....	\$450
• Sodium Sulfate Soundness (2 Sieve Min.) – ASTM C88/Sieve.....	\$190
• Fine Aggregate Resistance – ASTM D7428.....	\$800

## Concrete & Masonry Tests

• Concrete Compressive Strength – ASTM C39.....	\$35
• Mortar Compressive Strength – ASTM C780.....	\$65
• Grout Compressive Strength – ASTM C1019.....	\$65
• Prism Compressive Strength – ASTM C1314.....	\$180



• Concrete Flexural Strength – ASTM C78 / CA Test 523.....	\$80
• Core Compressive Strength w/trim – ASTM C42.....	\$75
• Specific Gravity of Core – ASTM 642.....	\$115
• Concrete Shrinkage Bars – ASTM C157 (Set of 3).....	\$700
• Concrete Trial Batch – ASTM C192.....	Quote
• Shotcrete Compressive Strength Lab Core – ASTM C1604.....	\$150
• Shotcrete Nozzleman Qualification – ACI 506.4.....	\$140
• Concrete Trial Batch – ASTM C192.....	Quote

## Asphalt Tests

• % Oil by Ignition Method – ASTM D6307 / AASHTO T308.....	\$210
• Oil by Chemical Method – ASTM D2172.....	\$700
• Oil & Gradation RAP – CA Test 384.....	\$300
• Gradation of Extracted Aggregate – ASTM D5444.....	\$165
• Ignition Correction Factor – ASTM D6307 / AASHTO T308.....	\$850
• Moisture Content – AASHTO T329.....	\$30
• Density of Core (SSD) – ASTM D2726 / AASHTO T166.....	\$50
• Density of Core (Coated) – AASHTO T275 / ASTM D1188.....	\$60
• Core Measurements – ASTM D3549.....	\$35
• Air Void Determination – ASTM D3203 / AASHTO T269.....	\$60
• Max Specific Gravity (Rice) – ASTM D2041 / AASHTO T209.....	\$165
• Preparation by Marshall Method – ASTM D6926 (Set of 3).....	\$210
• Marshall Stability – ASTM D6927 (Set of 3 from field).....	\$240
• Asphalt Mix Design – Marshall Method.....	Quote
• Preparation by Hveem Method – ASTM D1561 (Set of 3).....	\$275
• Hveem Stability – ASTM D1560 (Set of 3).....	\$375
• Asphalt Mix Design – Hveem Method.....	Quote
• Prep by Superpave Method – ASTM D6925 / T 312 (LTMD).....	\$550
• Hamburg Wheel Tracking – AASHTO T324 (Each).....	\$1,150
• Prep by Superpave Method – ASTM D6925 / T 312 (Ea Pt.).....	\$165
• Asphalt Mix Design – Superpave Method.....	Quote
• RAP Testing for JMF – LP-9 & CA Test 384.....	Quote



• Tensile Strength Ratio – AASHTO T283.....	\$1,350
• Centrifuge Kerosene Equivalent – CA Test 303.....	\$600
• Swell Test (Drive-Tube Sample) – CA Test 305.....	\$410
• MVS Test – CA Test 307.....	\$480
• Asphalt Mix Design – Cold In Place Recycled.....	Quote

## Steel & Other Tests

• Tensile & Bend Test (#3 to #8) – ASTM A370 & E290.....	\$250
• Tensile & Bend Test (#9 to #11) – ASTM A370 & E290.....	\$300
• Tensile & Bend Test (#14 +) – ASTM A370 & E290.....	Quote
• Thickness and Density of SFRM – ASTM E605.....	\$150
• Cohesion/Adhesion of SFRM – ASTM E736 (Kit Only).....	\$60

## Emulsion & Binder Tests

• Raveling Test of Cold Mixed Emulsified – ASTM D7196.....	Quote
• Wet Track Abrasion Test – TB 100.....	\$175
• Saybolt Furol Viscosity – AASHTO T59.....	\$220
• Storage Stability – AASHTO T59.....	\$80
• Storage Stability – AASHTO T59.....	\$250
• Residue by Distillation – AASHTO T59.....	\$175
• Particle Charge – AASHTO T59.....	\$75
• Penetration – AASHTO T49.....	\$80
• Ductility – AASHTO T51.....	\$120
• Solubility in Trichloroethylene – AASHTO T44.....	\$375
• Residue by Evaporation – AASHTO T59.....	\$105

## PROFESSIONAL & TECHNICAL STAFF

• Principal Engineer (per hour).....	\$185
• Principal Geologist (per hour).....	\$185
• Senior Engineer (per hour).....	\$175



• Senior Geologist (per hour).....	\$175
• Project Engineer (per hour).....	\$145
• Project Geologist (per hour).....	\$145
• Staff Engineer (per hour).....	\$135
• Staff Geologist (per hour).....	\$135
• Project Manager / Supervising Technician (per hour).....	\$135
• Field Technician / Special Inspector (Prevailing Wage).....	\$146
• Laboratory Technician.....	\$90
• Draftsperson (per hour).....	\$90
• Technical Word Processing (per hour).....	\$55
• Forensic Consulting & Testifying (4 hrs. minimum).....	\$500
• Mileage (per mile).....	\$0.75
• Per Diem (per day).....	\$300
• Mobile Lab Mobilization/Demobilization (each occurrence).....	\$1,500

Overtime for technical personnel will be charged at the base rate times 1.5 per hour for time in excess of 8 hours, but less than 12 hours, per day and Saturdays. Time over 12 hours per day, Sundays and holidays will be charged at the base rate times 2. There is a minimum charge of 4 hours. Refer to comments below.

## EFFECTIVE JANUARY 2025

### Comments – Project related expense will be billed as follows:

(1) Out-of pocket expenses and subcontractors at cost plus 20%. (2) Reproduction: \$0.30 per page; \$10.00 per plan sheet; postage at cost. Facsimile Transmission: \$7.50 (up to 10 pages). (3) Travel Time: at the hour rate shown above, portal to portal. (4) For work which requires overnight lodging away from home, the per diem charge above will be charged. (5) Refer to signed contract for additional details. (6) No markup on truck time or standard testing equipment.

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### Fee Escalation Clause

Aragon Geotechnical, Inc. proposes a fee schedule that includes an annual escalation of 5% per year, in accordance with the provisions outlined in Attachment E of RFP No. SDD-062 / SPD125-SPDAD-5859. This escalation will apply to labor and direct charge rates each fiscal year throughout the five-year term of the on-call contract, beginning with the baseline rates submitted for FY 2024-2025. The annual increases are designed to account for inflation, cost-of-living adjustments, and industry-standard labor cost growth.



Name (printed) of Authorized Representative: C. Fernando Aragon

Signature & Title of Authorized Representative: C. Fernando Aragon President

Company / Firm: Aragon Geotechnical, Inc. DIR No 88-0376464

Date 6/9/25