

PURCHASE OF SERVICE AGREEMENT

THIS AGREEMENT ("Agreement") is made this 14th day of December 2015, by and between the Adams County Board of County Commissioners, located at 4430 South Adams County Parkway, Brighton, Colorado 80601, hereinafter referred to as the "County," and Kumar & Associates, Inc., located at 2390 South Lipan St., Denver, CO 80223 hereinafter referred to as the "Contractor." The County and the Contractor may be collectively referred to herein as the "Parties".

The County and the Contractor, for the consideration herein set forth, agree as follows:

1. SERVICES OF THE CONTRACTOR:

1.1. All work shall be in accordance with the Construction Observation and Quality Assurance Materials Testing Services Scope of Work for the Clay Community Trail Project dated October 23, 2015 attached hereto as Exhibit A, and incorporated herein by reference. Should there be any discrepancy between Exhibit A and this Agreement the terms and conditions of this Agreement shall prevail.

1.2. Emergency Services: In the event the Adams County Board of County Commissioners declares an emergency, the County may request additional services (of the type described in this Agreement or otherwise within the expertise of the Contractor) to be performed by the Contractor. If the County requests such additional services, the Contractor shall provide such services in a timely fashion given the nature of the emergency, pursuant to the terms of this Agreement. Unless otherwise agreed to in writing by the parties, the Contractor shall bill for such services at the rates provided for in this Agreement.

2. RESPONSIBILITIES OF THE COUNTY: The County shall provide information as necessary or requested by the Contractor to enable the Contractor's performance under this Agreement.

3. TERM:

3.1. Term of Agreement: The Term of this Agreement shall commence upon receipt of Notice to Proceed and be completed on or before December 31, 2016.

3.2. Extension Option: The County, at its sole option, may offer to extend this Agreement as necessary for up to two, one year extensions providing satisfactory service is given and all terms and conditions of this Agreement have been fulfilled. Such extensions must be mutually agreed upon in writing by the County and the Contractor.

4. PAYMENT AND FEE SCHEDULE: The County shall pay the Contractor for services furnished under this Agreement, and the Contractor shall accept as full payment for those services, the sum of twenty thousand seven hundred thirty-two dollars (\$20,732.00).

4.1. Payment pursuant to this Agreement, whether in full or in part, is subject to and contingent upon the continuing availability of County funds for the purposes hereof. In

the event that funds become unavailable, as determined by the County, the County may immediately terminate this Agreement or amend it accordingly.

5. **INDEPENDENT CONTRACTOR:** In providing services under this Agreement, the Contractor acts as an independent contractor and not as an employee of the County. The Contractor shall be solely and entirely responsible for his/her acts and the acts of his/her employees, agents, servants, and subcontractors during the term and performance of this Agreement. No employee, agent, servant, or subcontractor of the Contractor shall be deemed to be an employee, agent, or servant of the County because of the performance of any services or work under this Agreement. The Contractor, at its expense, shall procure and maintain workers' compensation insurance as required by law. **Pursuant to the Workers' Compensation Act § 8-40-202(2)(b)(IV), C.R.S., as amended, the Contractor understands that it and its employees and servants are not entitled to workers' compensation benefits from the County. The Contractor further understands that it is solely obligated for the payment of federal and state income tax on any moneys earned pursuant to this Agreement.**

6. **NONDISCRIMINATION:**

6.1. **The Contractor shall not discriminate against any employee or qualified applicant for employment because of age, race, color, religion, marital status, disability, sex, or national origin. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices provided by the local public agency setting forth the provisions of this nondiscrimination clause. Adams County is an equal opportunity employer.**

6.1.1. The Contractor will cause the foregoing provisions to be inserted in all subcontracts for any work covered by this Agreement so that such provisions will be binding upon each subcontractor, provided that the foregoing provisions shall not apply to contracts or subcontracts for standard commercial supplies or raw materials.

7. **INDEMNIFICATION:** The Contractor agrees to indemnify and hold harmless the County, its officers, agents, and employees for, from, and against any and all claims, suits, expenses, damages, or other liabilities, including reasonable attorney fees and court costs, arising out of damage or injury to persons, entities, or property, caused or sustained by any person(s) as a result of the Contractor's performance or failure to perform pursuant to the terms of this Agreement or as a result of any subcontractors' performance or failure to perform pursuant to the terms of this Agreement.

8. **INSURANCE:** The Contractor agrees to maintain insurance of the following types and amounts:

8.1. **Commercial General Liability Insurance:** to include products liability, completed operations, contractual, broad form property damage and personal injury.

8.1.1. Each Occurrence: \$1,000,000

8.1.2. General Aggregate: \$2,000,000

- 8.2. Comprehensive Automobile Liability Insurance: to include all motor vehicles owned, hired, leased, or borrowed.
- 8.2.1. Bodily Injury/Property Damage: \$1,000,000 (each accident)
- 8.2.2. Personal Injury Protection: Per Colorado Statutes
- 8.3. Workers' Compensation Insurance: Per Colorado Statutes
- 8.4. Professional Liability Insurance: to include coverage for damages or claims for damages arising out of the rendering, or failure to render, any professional services, as applicable.
- 8.4.1. Each Occurrence: \$1,000,000
- 8.4.2. This insurance requirement applies only to the Contractors who are performing services under this Agreement as professionals licensed under the laws of the State of Colorado, such as physicians, lawyers, engineers, nurses, mental health providers, and any other licensed professionals.
- 8.5. Adams County as "Additional Insured": The Contractor's commercial general liability, comprehensive automobile liability, and professional liability insurance policies and/or certificates of insurance shall be issued to include Adams County as an "additional insured" and shall include the following provisions:
- 8.5.1. Underwriters shall have no right of recovery or subrogation against the County, it being the intent of the parties that the insurance policies so affected shall protect both parties and be primary coverage for any and all losses resulting from the actions or negligence of the Contractor.
- 8.5.2. The insurance companies issuing the policy or policies shall have no recourse against the County for payment of any premiums due or for any assessments under any form of any policy.
- 8.5.3. Any and all deductibles contained in any insurance policy shall be assumed by and at the sole risk of the Contractor.
- 8.6. Licensed Insurers: All insurers of the Contractor must be licensed or approved to do business in the State of Colorado. Upon failure of the Contractor to furnish, deliver and/or maintain such insurance as provided herein, this Agreement, at the election of the County, may be immediately declared suspended, discontinued, or terminated. Failure of the Contractor in obtaining and/or maintaining any required insurance shall not relieve the Contractor from any liability under this Agreement, nor shall the insurance requirements be construed to conflict with the obligations of the Contractor concerning indemnification.
- 8.7. Endorsement: Each insurance policy herein required shall be endorsed to state that coverage shall not be suspended, voided, or canceled without thirty (30) days prior written notice by certified mail, return receipt requested, to the County.
- 8.8. Proof of Insurance: At any time during the term of this Agreement, the County may require the Contractor to provide proof of the insurance coverage or policies required under this Agreement.

9. WARRANTY:

- 9.1. The Contractor warrants and guarantees to the County that all work, equipment, and materials furnished under the Agreement are free from defects in workmanship and materials for a period of one year after final acceptance by the County. The Contractor further warrants and guarantees that the plans and specifications incorporated herein are free of fault and defect sufficient for Contractor to warrant the finished product after completion date. Should the Contractor fail to proceed promptly in accordance with this guarantee, the County may have such work performed at the expense of the Contractor. This section does not relieve the Contractor from liability for defects that become known after one year.

10. TERMINATION:

- 10.1. For Cause: If, through any cause, the Contractor fails to fulfill its obligations under this Agreement in a timely and proper manner, or if the Contractor violates any of the covenants, conditions, or stipulations of this Agreement, the County shall thereupon have the right to immediately terminate this Agreement, upon giving written notice to the Contractor of such termination and specifying the effective date thereof.
- 10.2. For Convenience: The County may terminate this Agreement at any time by giving written notice as specified herein to the other party, which notice shall be given at least thirty (30) days prior to the effective date of the termination. If this Agreement is terminated by the County, the Contractor will be paid an amount that bears the same ratio to the total compensation as the services actually performed bear to the total services the Contractor was to perform under this Agreement, less payments previously made to the Contractor under this Agreement.

11. MUTUAL UNDERSTANDINGS:

- 11.1. Jurisdiction and Venue: The laws of the State of Colorado shall govern as to the interpretation, validity, and effect of this Agreement. The parties agree that jurisdiction and venue for any disputes arising under this Agreement shall be with Adams County, Colorado.
- 11.2. Compliance with Laws: During the performance of this Agreement, the Contractor agrees to strictly adhere to all applicable federal, state, and local laws, rules and regulations, including all licensing and permit requirements. The parties hereto aver that they are familiar with § 18-8-301, et seq., C.R.S. (Bribery and Corrupt Influences), as amended, and § 18-8-401, et seq., C.R.S. (Abuse of Public Office), as amended, and that no violation of such provisions are present. The Contractor warrants that it is in compliance with the residency requirements in §§ 8-17.5-101, et seq., C.R.S. Without limiting the generality of the foregoing, the Contractor expressly agrees to comply with the privacy and security requirements of the Health Insurance Portability and Accountability Act of 1996 (HIPAA).
- 11.3. OSHA: The Contractor shall comply with the requirements of the Occupational Safety and Health Act (OSHA) and shall review and comply with the County's safety regulations while on any County property. Failure to comply with any applicable federal, state or local law, rule, or regulation shall give the County the right to terminate this agreement for cause.

- 11.4. Record Retention: The Contractor shall maintain records and documentation of the services provided under this Agreement, including fiscal records, and shall retain the records for a period of three (3) years from the date this Agreement is terminated. Said records and documents shall be subject at all reasonable times to inspection, review, or audit by authorized Federal, State, or County personnel.
- 11.5. Assignability: Neither this Agreement, nor any rights hereunder, in whole or in part, shall be assignable or otherwise transferable by the Contractor without the prior written consent of the County.
- 11.6. Waiver: Waiver of strict performance or the breach of any provision of this Agreement shall not be deemed a waiver, nor shall it prejudice the waiving party's right to require strict performance of the same provision, or any other provision in the future, unless such waiver has rendered future performance commercially impossible.
- 11.7. Force Majeure: Neither party shall be liable for any delay or failure to perform its obligations hereunder to the extent that such delay or failure is caused by a force or event beyond the control of such party including, without limitation, war, embargoes, strikes, governmental restrictions, riots, fires, floods, earthquakes, or other acts of God.
- 11.8. Notice: Any notices given under this Agreement are deemed to have been received and to be effective: 1) Three (3) days after the same shall have been mailed by certified mail, return receipt requested; 2) Immediately upon hand delivery; or 3) Immediately upon receipt of confirmation that an E-mail was received. For the purposes of this Agreement, any and all notices shall be addressed to the contacts listed below:

Department: Adams County Transportation Department
Contact: Rene Valdez, Transportation Stormwater and Infrastructure Manager
Address: 4430 South Adams County Parkway
City, State, Zip: Brighton, CO 80601
Phone: 720.523.6961
E-mail: rvaldez@adcogov.org

Department: Adams County Purchasing
Contact: Liz Estrada
Address: 4430 South Adams County Parkway
City, State, Zip: Brighton, Colorado 80601
Phone: 720.523.6052
E-mail: lestrada@adcogov.org

Department: Adams County Attorney's Office
Address: 4430 South Adams County Parkway
City, State, Zip: Brighton, Colorado 80601
Phone: 720.523.6116

Contractor: Kumar & Associates, Inc.
Contact: Carey Jones
Address: 2390 South Lipan Street

2015.475 Materials Testing & Construction Observation Services/Clay Trail/Kumar & Assoc.

City, State, Zip: Denver, CO 80223
Phone: 303.742.9700
E-mail: kadenver@kumaruse.com

- 11.9. Integration of Understanding: This Agreement contains the entire understanding of the parties hereto and neither it, nor the rights and obligations hereunder, may be changed, modified, or waived except by an instrument in writing that is signed by the parties hereto.
- 11.10. Severability: If any provision of this Agreement is determined to be unenforceable or invalid for any reason, the remainder of this Agreement shall remain in effect, unless otherwise terminated in accordance with the terms contained herein.
- 11.11. Authorization: Each party represents and warrants that it has the power and ability to enter into this Agreement, to grant the rights granted herein, and to perform the duties and obligations herein described.
- 11.12. Confidentiality: All documentation related to this Agreement will become the property of Adams County. All documentation maintained or kept by Adams County shall be subject to the Colorado Open Records Act, C.R.S. 24-72-201 *et seq.* ("CORA"). The County does not guarantee the confidentiality of any records.

12. CHANGE ORDERS OR EXTENSIONS:

- 12.1. Change Orders: The County may, from time to time, require changes in the scope of the services of the Contractor to be performed herein including, but not limited to, additional instructions, additional work, and the omission of work previously ordered. The Contractor shall be compensated for all authorized changes in services, pursuant to the applicable provision in the Invitation to Bid, or, if no provision exists, pursuant to the terms of the Change Order.
- 12.2. Extensions: The County may, upon mutual written agreement by the parties, extend the time of completion of services to be performed by the Contractor.

13. COMPLIANCE WITH C.R.S. § 8-17.5-101, ET. SEQ. AS AMENDED 5/13/08: Pursuant to Colorado Revised Statute (C.R.S.), § 8-17.5-101, *et. seq.*, as amended May 13, 2008, the Contractor shall meet the following requirements prior to signing this Agreement (public contract for service) and for the duration thereof:


- 13.1. The Contractor shall certify participation in the E-Verify Program (the electronic employment verification program that is authorized in 8 U.S.C. § 1324a and jointly administered by the United States Department of Homeland Security and the Social Security Administration, or its successor program) or the Department Program (the employment verification program established by the Colorado Department of Labor and Employment pursuant to C.R.S. § 8-17.5-102(5)) on the attached certification.
- 13.2. The Contractor shall not knowingly employ or contract with an illegal alien to perform work under this public contract for services.

- 13.3. The Contractor shall not enter into a contract with a subcontractor that fails to certify to the Contractor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this public contract for services.
- 13.4. At the time of signing this public contract for services, the Contractor has confirmed the employment eligibility of all employees who are newly hired for employment to perform work under this public contract for services through participation in either the E-Verify Program or the Department Program.
- 13.5. The Contractor shall not use either the E-Verify Program or the Department Program procedures to undertake pre-employment screening of job applicants while this public contract for services is being performed.
- 13.6. If the Contractor obtains actual knowledge that a subcontractor performing work under this public contract for services knowingly employs or contracts with an illegal alien, the Contractor shall: notify the subcontractor and the County within three (3) days that the Contractor has actual knowledge that the subcontractor is employing or contracting with an illegal alien; and terminate the subcontract with the subcontractor if within three days of receiving the notice required pursuant to the previous paragraph, the subcontractor does not stop employing or contracting with the illegal alien; except that the Contractor shall not terminate the contract with the subcontractor if during such three (3) days the subcontractor provides information to establish that the subcontractor has not knowingly employed or contracted with an illegal alien.
- 13.7. Contractor shall comply with any reasonable requests by the Department of Labor and Employment (the Department) made in the course of an investigation that the Department is undertaking pursuant to the authority established in C.R.S. § 8-17.5-102(5).
- 13.8. If Contractor violates this Section, of this Agreement, the County may terminate this Agreement for breach of contract. If the Agreement is so terminated, the Contractor shall be liable for actual and consequential damages to the County.

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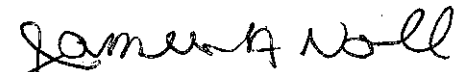
IN WITNESS WHEREOF, the Parties have caused their names to be affixed hereto:

Transportation Department/Engineering Division


Jeffery Maxwell, Director

12-14-15
Date

Kumar & Associates, Inc.


Signature

12-4-2015
Date

James A. Noll
Printed Name

President
Title

Attest:

Stan Martin, Clerk and Recorder

Deputy Clerk

Approved as to Form:


Adams County Attorney's Office

NOTARIZATION OF CONTRACTOR'S SIGNATURE:

COUNTY OF _____)

STATE OF _____)SS.

Signed and sworn to before me this ____ day of _____, 2015,

by _____,

Notary Public

My commission expires on: _____

2015.475 Materials Testing & Construction Observation Services/Clay Trail/Kumar & Assoc.

CONTRACTOR'S CERTIFICATION OF COMPLIANCE

Pursuant to Colorado Revised Statute, § 8-17.5-101, *et seq.*, as amended 5/13/08, as a prerequisite to entering into a contract for services with Adams County, Colorado, the undersigned Contractor hereby certifies that at the time of this certification, Contractor does not knowingly employ or contract with an illegal alien who will perform work under the attached contract for services and that the Contractor will participate in the E-Verify Program or Department program, as those terms are defined in C.R.S. § 8-17.5-101, *et seq.* in order to confirm the employment eligibility of all employees who are newly hired for employment to perform work under the attached contract for services.

CONTRACTOR:

Kumar & Associates, Inc.
Company Name

12-4-2015
Date

James A. Noli
Signature

James A. Noli
Name (Print or Type)

President
Title

Note: Registration for the E-Verify Program can be completed at: <https://www.vis-dhs.com/employerregistration>. It is recommended that employers review the sample "memorandum of understanding" available at the website prior to registering



Kumar & Associates, Inc.
Geotechnical and Materials Engineers
and Environmental Scientists

Exhibit "A"



2390 South Lipan Street
Denver, CO 80223
phone: (303) 742-9700
fax: (303) 742-9666
email: kadenver@kumarusa.com
www.kumarusa.com

Office Locations: Denver (HQ), Colorado Springs, Fort Collins, and Frisco, Colorado

October 23, 2015

Attn: Liz Estrada
Contract Administrator, Finance Department
4430 South Adams County Parkway, Suite C4309
Brighton, CO 80601-1234

Subject: Proposed Scope of Services and Fee Estimate to Provide Construction Observation and Quality Assurance Materials Testing Services, Clay Community Trail Project, Adams County, Colorado, 2013 – 2015 NPSPS Project – 2013.035 RFQ.
Proposal No. P-15-674

Dear Liz:

Kumar & Associates, Inc. (K+A) is pleased to submit this proposal to provide quality assurance materials testing services for the Clay Community Trail, 2013 – 2015 NPSPS Project, located in Adams County, Colorado. Previously, our firm performed **Geotechnical Engineering and Environmental Studies for this site** and our results were presented under our Project No. 11-1-257. K + A is thoroughly familiar with the site and its various conditions.

SCOPE OF WORK

Based on our understanding of the project, the construction plans and the bid quantities provided, we propose the following:

1. Attend initial project meeting, preconstruction meeting, preactivity meetings and weekly OEC construction meetings as deemed necessary.
2. Provide review of contractor mix designs, product submittals, certificates of compliance and certified test reports.
3. Develop initial testing and observation plans.
4. Provide review of contractor's production procedures.
5. Provide a certified engineering technician on an as needed full- to part-time basis to sample, test and document all materials generated and produced on the project; as well as, perform construction observations and provide daily reports. The technician will be prepared with adequate equipment to provide the testing including, nuclear moisture-density gauges, and concrete air meters and slump cones.
6. Scheduling of the planned work and the technician time spent on site will be coordinated on a daily basis through the designated contractor or project manager.
7. Submit field logs and observation reports on a daily basis. The field logs will include field tests and results, and sample collection for laboratory testing. The project engineer will also be contacted on a daily basis for sample test non-compliance.

8. Perform laboratory testing on the samples obtained in the field. The laboratory testing will be performed at the Kumar & Associates, Inc. certified main laboratory facility.
9. The collection of samples, field testing, and laboratory testing will be based on the minimum sampling and testing requirements outlined in the Adams County, Roadway Design and Construction Specifications; as well as, the project Special Provisions and the CDOT Field Materials Manual. The technician will review project quantities on a weekly basis to ensure that sufficient tests have been performed for all material placed to date on the project. Based on the bid quantities provided, the minimum materials sampling and testing requirements are attached.
10. Test results and observations shall be document on the appropriate forms. The test data will be reviewed and approved by a Professional Engineer registered in the State of Colorado.
11. Provide a Final Materials Documentation report upon completion of the Project that is stamped and signed by a Professional Engineer registered in the State of Colorado.

FEE ESTIMATE

Based on the scope of work identified above, information provided, and our experience on similar projects in which we have completed in the past, a breakdown of the proposed fee estimate to complete the services is as follows:

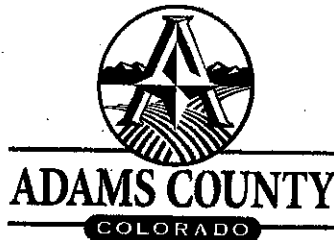
Engineering and Technician Fees

Engineering Technician (Item 203 - Embankment): 40 hrs. @ \$47/hr.	\$	1,880.00
Engineering Technician (Item 601 - Concrete): 58 hrs. @ \$45/hr.	\$	2,610.00
Engineering Technician (Item 206 - Structural Backfill): 36 hrs. @ \$47/hr.	\$	1,692.00
Engineering Technician (Item 304 - Aggregate Base Course): 20 hrs. @ \$47/hr.	\$	940.00
Engineering Technician (Structural Steel): 6 hrs. @ \$55/hr.	\$	330.00
Engineering Technician (Pile Observations): 32 hrs. @ \$50/hr.	\$	1,600.00
Engineering Technician (Construction Observation): 120 hrs. @ \$47/hr.	\$	5,640.00
Project Supervisor (Review and Supervision): 35 hrs. @ \$85/hr.	\$	2,975.00
Word Processing: 30 hrs. @ \$50/hr.	\$	1,500.00
Subtotal Engineering and Technician Fees	\$	19,167.00

Laboratory Testing

2 Standard Proctors @ \$85/ea.	\$	170.00
2 Modified Proctor @ \$95/ea.	\$	190.00
4 Atterberg Limits @ \$45/ea.	\$	180.00
4 Gradations @ \$75/ea.	\$	300.00
1 LA Abrasion @ \$125/ea.	\$	125.00
60 Compressive Strength Cylinders @ \$10/ea.	\$	600.00
Subtotal Laboratory Testing	\$	1,565.00

Total Fee Estimate \$ 20,732.00



PROPOSAL FORM
2015.475 Material Testing & Construction Observation Services
for the Clay Community Trail Project

VENDOR'S STATEMENT

I have read and fully understand all the special conditions herein set forth in the foregoing paragraphs, and by my signature set forth hereunder, I hereby agree to comply with all said special conditions as stated or implied. In consideration of the above statement, the following proposal is hereby submitted.

Twenty thousand seven hundred thirty-two
Written Amount

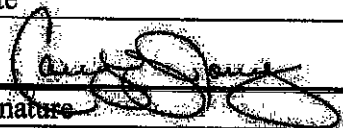
\$ 20,732.00
Amount

WE, THE UNDERSIGNED, HEREBY ACKNOWLEDGE RECEIPT OF

Addenda # 1

Addenda # N/A

If None, Please write NONE.

<u>Kumar & Associates, Inc.</u>	<u>October 23, 2015</u>
Company Name	Date
<u>2390 South Lipan Street</u>	
Address	Signature
<u>Denver, Colorado 80223</u>	<u>Carey L. Jones</u>
City, State, Zip Code	Printed Name
<u>Denver</u>	<u>Construction Services Supervisor</u>
County	Title
<u>303-742-9700</u>	<u>303-742-9666</u>
Telephone	Fax
<u>cljones@kumarusa.com</u>	
E-mail Address	

**ENGINEERING, ENVIRONMENTAL AND FIELD TECHNICAL SERVICES**

Principal Engineer	\$145.00/hr.
Senior Project Engineer/Geologist/Manager	\$125.00/hr.
Project Engineer/Geologist/Scientist	\$85.00/hr.
Staff Engineer/Geologist/Scientist	\$70.00/hr.
Project Supervisor	\$85.00/hr.
Construction Inspector I	\$85.00/hr.
Construction Inspector II	\$75.00/hr.
Environmental Specialist/Scientist	\$70.00/hr.
Environmental Field Technician/Geologist	\$85.00/hr.
Safety Professional	\$90.00/hr.
Project Administrator	\$90.00/hr.
Staff Administrator	\$55.00/hr.
Exploration Field Engineer/Technician/Geologist	\$60.00/hr.
Construction Materials Testing Technicians:	
▪ Concrete	\$45.00/hr.
▪ Soils, Reinforcing Steel, Asphalt	\$47.00/hr.
▪ Piers, Masonry, Fireproofing	\$50.00/hr.
▪ Structural Steel	\$55.00/hr.
▪ Post-Tensioning	\$50.00/hr.
▪ Floor Flatness	\$75.00/hr.
Word Processing	\$50.00/hr.
Drafting	\$60.00/hr.
Litigation/Expert Witness/Deposition	\$175.00 to \$350.00/hr.

OTHER DIRECT CHARGES

Auto or Pickup Mileage	\$0.75/mile
Out of Town Expenses, Travel, Rental Etc.	Cost + 15%
Expedited Laboratory Services: 1.35 x Test Price (See No. 16 on Reverse Side)	

SUBSURFACE EXPLORATION, SAMPLING, MONITORING WELL INSTALLATION

4-Wheeler ATV Drill Rig (Includes Operator)	\$125.00/hr.
Exploration Subcontractor Subconsultant's (4-Inch Solid Auger, Hollow Stem Auger, Rotary and Diamond Core Drilling, Exploratory Pit Excavation, ATV Drill Rig, Geophysical Exploration, Specialty Sampling, etc.)	Cost + 15%
Materials/Equipment Rental/Outsourced Laboratory Testing/Subconsultants	Cost + 15%
Falling Weight Deflectometer (Includes Operator)	\$175.00/hr.
Concrete/Asphalt Coring	\$75.00/hr.
Photoionization Detector	\$100.00/Day
LEL/CO/H ₂ S/O ₂ Meter	\$100.00/Day
Conductivity, Temperature, pH Tester	\$25.00/Day
Personal Protective Equipment	Rates Quoted on Project Basis

LABORATORY TESTING

Soils	
Moisture Content (ASTM D-2216)	\$10.00 ea.
Moisture Content & Density (ASTM D-2216)	\$15.00 ea.
Gradation (ASTM D-422)	\$75.00 ea.
Gradation with Hydrometer Analysis (ASTM D-422)	\$150.00 ea.
Double Hydrometer (ASTM D-4221)	\$225.00 ea.
Percent Less than #200 Sieve (ASTM D-1140)	\$25.00 ea.
Atterberg Limits (ASTM D-4318) Method A	\$75.00 ea.
Atterberg Limits (ASTM D-4318) Method B	\$45.00 ea.
Standard Proctor (ASTM D-698)	\$85.00 ea.
Modified Proctor (ASTM D-1557)	\$95.00 ea.
Soil/Cement Proctor (ASTM D-558)	\$125.00 ea.
Proctor Checkpoint (ASTM D-698 or ASTM D-1557)	\$45.00 ea.
Relative Density (ASTM D-4253 and ASTM D-4254)	\$175.00 ea.
Specific Gravity (ASTM D-854)	\$75.00 ea.
Standard Swell-Consolidation (ASTM D-4546)	\$60.00 ea.
Air-Dried Swell-Consolidation	\$65.00 ea.
Remolded Swell-Consolidation (ASTM D-4546)	\$75.00 ea.
Unconfined Compressive Strength (ASTM D-2166)	\$50.00 ea.
Slake Durability (ASTM D-4644)	\$100.00 ea.
Pinhole Dispersion (ASTM D-4647)	\$150.00 ea.
Water Soluble Sulfates (AASHTO T-290)	\$40.00 ea.
pH (ASTM E-70)	\$30.00 ea.
Chloride (AASHTO T-291)	\$40.00 ea.
Electrical Resistivity (ASTM G-57)	\$125.00 ea.
Organics (AASHTO T-267)	\$50.00 ea.
R-Value (ASTM D-2844)	\$270.00 ea.
California Bearing Ratio (ASTM D-1883) 1-Pt.	\$150.00 ea.
California Bearing Ratio (ASTM D-1883) 3-Pt.	\$375.00 ea.
Soil/Lime, Soil/Cement Mix Analysis (Standard 3-Point Mix Analysis; Cost May Vary Depending On Specification Requirements)	\$2,000.00 ea.
Freeze/Thaw (ASTM D-560)	\$350.00 ea.
Wet/Dry (ASTM D-559)	\$350.00 ea.
Compressive Strength of Soil-Cement (ASTM D-1633)	\$50.00 ea.
Direct Shear/per point (ASTM D-3080)	
Unconsolidated-Undrained (Quick Test)	\$150.00 ea.
Residual Strength, Additional Per Carriage Reversal	\$50.00 ea.
Drained Tests Quoted on Project-Specific Basis	
Soil Suction (ASTM D-8836 Method D)	\$50.00 ea.

Miscellaneous

Sample Preparation	\$50.00/hr.
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