

ADAMS COUNTY, COLORADO  
FIRST ADDENDUM TO  
SERVICE AGREEMENT

THIS FIRST ADDENDUM TO SERVICE AGREEMENT ("First Addendum") is entered into this 7th day of April, 2015, by and between the Board of County Commissioners of Adams County, Colorado, located at 4430 South Adams County Parkway, Brighton, CO 80601, and Ground Engineering Consultants, Inc. located at 7393 Dahlia Street, Commerce City, CO 80022, hereinafter referred to as the "Contractor."

RECITALS

WHEREAS, on June 24, 2014, the County entered into a Service Agreement with Ground Engineering Consultants, Inc. to provide materials testing, laboratory testing, geotechnical and general inspection services for the 2014 Capital Improvement Projects; and,

WHEREAS, the term of the agreement expires on June 23, 2015; and,

WHEREAS, the County and the Contractor mutually desire to extend the Service Agreement through December 31, 2015 to provide materials testing, laboratory testing, geotechnical and general inspection services for the 2015 Capital Improvement Projects.

NOW, THEREFORE, for the consideration set forth herein, the sufficiency of which is mutually acknowledged by the parties, the County and the Contractor agree as follows:

1. The County shall reimburse the Contractor for the work provided under this First Addendum in accordance with Section IV of the Service Agreement. Adams County will pay the Contractor for additional testing and inspection services in the amount of one hundred and one thousand dollars (\$101,000).
2. The term of the Service Agreement is extended through December 31, 2015.
3. The Service Agreement and this First Addendum contain 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 both parties. Any terms, conditions, or provisions of the Service Agreement that are not amended or modified by this First Addendum shall remain in full force and effect. In the event of any conflicts between the terms, conditions, or provisions of the Service Agreement and this First Addendum, the terms, conditions, and provisions of this First Addendum shall control.
4. The Recitals contained in this First Addendum are incorporated into the body hereof and accurately reflect the intent and agreement of the parties.
5. This First Addendum may be executed in multiple counterparts, each of which shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.
6. Nothing expressed or implied in this First Addendum is intended or shall be construed to confer upon or to give to, any person other than the parties, any right,

remedy, or claim under or by reason of this First Addendum or any terms, conditions, or provisions hereof. All terms, conditions, and provisions in this First Addendum by and on behalf of the County and the Contractor shall be for the sole and exclusive benefit of the County and the Contractor.

7. If any provision of this First Addendum is determined to be unenforceable or invalid for any reason, the remainder of the First Addendum shall remain in effect, unless otherwise terminated in accordance with the terms contained in the Service Agreement.
8. Each party represents and warrants that it has the power and ability to enter into this First Addendum, to grant the rights granted herein, and to perform the duties and obligations herein described.

IN WITNESS WHEREOF, the County and the Contractor have caused their names to be affixed.

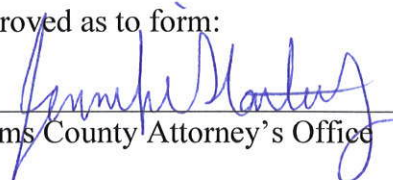
**Board of County Commissioners'**

  
Chairman

4-7-15  
Date

ATTEST:  
KAREN LONG  
CLERK AND RECORDER

  
Deputy Clerk

Approved as to form:  
  
Adams County Attorney's Office

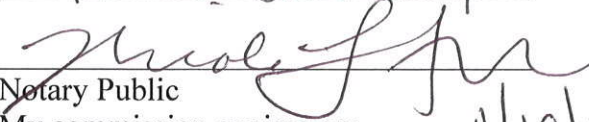
Ground Engineering Consultants, Inc.

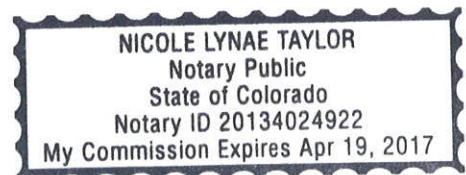
  
Signature

4.2.15  
Date

Signed and sworn to before me on this 2<sup>nd</sup> day of April, 2015 by

Andrew Suedkamp

  
Notary Public  
My commission expires on: 4/19/17



## 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:

Ground Engineering  
Company Name

4.2.15  
Date

Andrew Suedkamp  
Name (Print or Type)

And S  
Signature

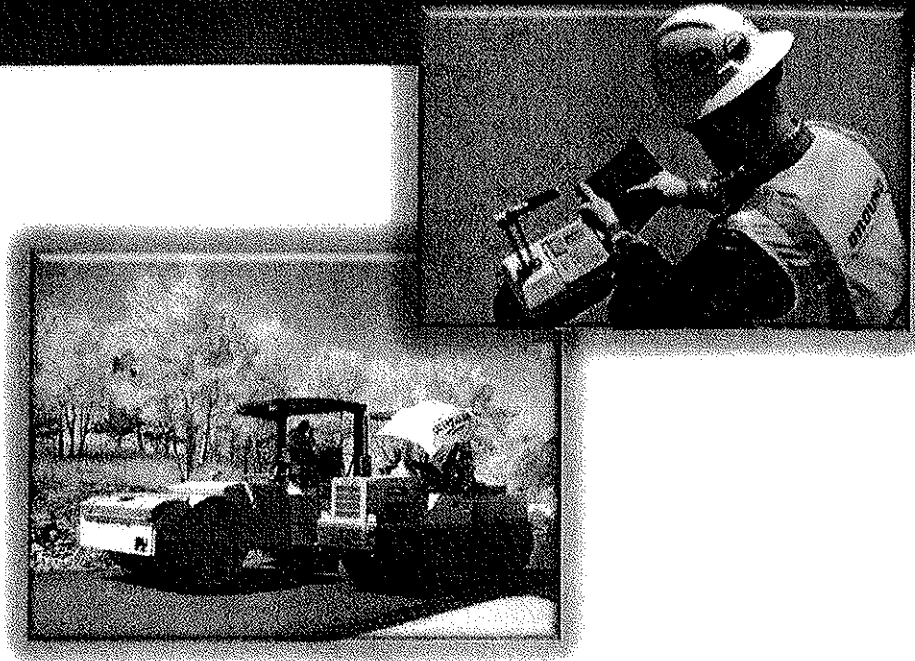
President  
Title

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



# Adams County, Colorado

2014.122 Materials Testing and Inspection Services  
for 2014 Capital Improvement Projects



Submitted to:  
**Adams County, Colorado**  
Attn: Liz Estrada, Contract Administrator  
Adams County Government Center  
4430 South Adams County Parkway, Suite C4000A  
Brighton, CO 80601-8212

V. PROPOSAL SIGNATURE PAGE

ADAMS COUNTY, COLORADO  
PROPOSAL SIGNATURE PAGE

2014.122 MATERIALS TESTING AND INSPECTION SERVICES  
FOR 2014 CAPITAL IMPROVEMENT PROJECTS

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.

WE THE UNDERSIGNED HEREBY ACKNOWLEDGE RECEIPT OF

Addenda # 1 Addenda # \_\_\_\_\_ Addenda # \_\_\_\_\_

If None, Please write NONE.

Ground Engineering Consultants, Inc.  
COMPANY NAME


5/15/14  
DATE

Corporation  
TYPE OF ENTITY (CORPORATION,  
GENERAL PARTNERSHIP, ETC.)

84-0946714  
TAX IDENTIFICATION NUMBER

Colorado  
STATE OF INCORPORATION,  
IF APPLICABLE

7393 Dahlia Street  
ADDRESS

  
SIGNATURE

Commerce City, CO 80222  
CITY, STATE, ZIP CODE

Andrew J. Suedkamp, P.E.  
PRINTED SIGNATURE

303-289-1989  
TELEPHONE NUMBER

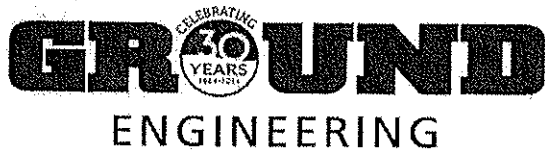
303-289-6742  
FAX NUMBER

Adams  
COUNTY

President  
TITLE (Corporate Officer/Manager/General or  
Registered Agent, or General or Managing

Partner)

(Seal - If Proposal is by a Corporation)



## Cover Pages

May 15, 2014

Adams County, Colorado  
Attn: Liz Estrada, Contract Administrator  
**Adams County Government Center**  
4430 South Adams County Parkway, Suite C4000A  
Brighton, CO 80601-8212

GROUND Engineering Consultants, Inc. (GROUND) appreciates the opportunity to provide you with our qualifications to perform materials testing and inspection services for the 2014 Capital Improvement Projects for Adams County. All proposed services will be completed by **in-house personnel from our Commerce City office located within Adams County**. Our project approach will provide the best value to Adams County based on our experience with several comparable contracts and projects completed for various municipalities throughout Colorado.

GROUND has had the opportunity to provide construction materials testing and inspection services throughout many municipalities on both public and private projects in the Front Range including past projects for Adams County. GROUND also has the experience of working on a variety of other projects including small and large commercial projects, educational facilities, recreation centers and large infrastructure projects. Our project diversity, expertise, experience and mutually integrated service are a value GROUND brings to your projects.

GROUND's goal is to successfully partner with Adams County and provide the materials testing and construction management/inspection resources to support the construction team in completing successful projects.

### ***WHY GROUND?***

- ❖ **Celebrating over 30 years of experience** in providing geotechnical engineering, construction engineering and management and construction materials testing and special inspection services to the Rocky Mountain region and the Front Range on similar contracts and projects,
- ❖ **Experience with providing similar services** to Adams County and additional municipalities,
- ❖ Previous record of providing value added service to overcome project challenges,
- ❖ **Experienced staff of 170+** engineers, construction managers and inspectors, geologists, special inspectors and technicians with the proper certifications to provide the requested services to Adams County,
- ❖ GROUND has **extensive experience with CDOT** specifications, regulations and documentation while holding construction inspection contracts for CDOT in Regions 1,2,3,4, and 6; GROUND has completed hundreds of CDOT projects throughout Colorado,
- ❖ Extensive experience with the anticipated construction activities including **hundreds of State and Local municipal materials testing and inspection projects completed** throughout the Front Range area including but not limited to the Highway 36 Reconstruction project Phase I and II, Central Park Boulevard Construction, City of Boulder Broadway Reconstruction, Boulder Pearl Parkway Reconstruction, Boulder Safe Routes to School, Boulder 28<sup>th</sup> Street Multi-Path, Wheat Ridge

32nd Avenue Widening, Wheat Ridge Taft and 38<sup>th</sup> Infrastructure Inspection, Douglas County 2013 Asphalt Overlay Program, Southeast Metro Stormwater Authority (SEMSWA) Dove Creek Pond D-2, SEMSWA Windmill Creek Pond W-1, 2014 City of Centennial On-Call Materials Testing and Inspection, and Town of Berthoud Mountain Avenue Phase 3, CBRE Various Contracts, 1st Industrial Realty and numerous other projects,

- ❖ Commitment to meeting and exceeding expectations for promptness and responsiveness of services and reports.

We are submitting GROUND's qualifications for your review. Should you require any additional information, please do not hesitate to contact me. We look forward to the prospect of bringing the benefit of our directly related experience to your projects and to continuing to develop an enjoyable and rewarding relationship with Adams County in making your projects the most successful they can be.

Sincerely,  
Ground Engineering Consultants, Inc.

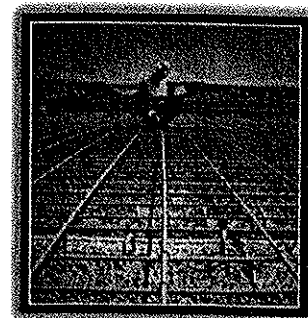


Rachelle Smith  
**Ground Engineering Consultants, Inc.**  
7393 Dahlia Street  
Commerce City, Colorado 80022  
Phone: 303-289-1989  
Fax: 303-289-1686  
Email: [Rachelle.smith@groundeng.com](mailto:Rachelle.smith@groundeng.com)



## Organizational Background and Overview

Ground Engineering Consultants, Inc.  
Colorado Corporation – 1984  
Location: 7393 Dahlia Street, Commerce City, CO 80022  
Phone: 303-289-1989



### COMPANY HISTORY

GROUND is celebrating 30 years of experience in providing geotechnical engineering, **construction materials testing, and special inspection services** to the Front Range. GROUND offers a rich and diverse history with which to aid Adams County in both the pre-construction and construction phases of your proposed capital improvement projects. GROUND is first and foremost a service company. Along with our service approach, another reason we have achieved success in our industry is our commitment to hire qualified people and our commitment to develop all members of our staff into well-rounded, experienced technicians and engineers. As a result, our clients consistently recognize our staff for providing outstanding professional service.

Recent project experience with Adams County: 2013 Concrete Replacement Program, 2013 Asphalt Program, N. Colorado Boulevard and Hwy 7 Box Culvert, 2012 Street Maintenance Program, York and 64<sup>th</sup> Pipe, Kenwood Outfall Storm Sewer, Imboden Road 88th to 120th, 2012 Miscellaneous Concrete Improvements, Goat Hill Phase 2B, Adams County Safe Routes to School, Henderson Road Culvert Replacement, 2012 Facilities Maintenance Project, 78th Avenue Sidewalk, 2010 Asphalt Coring, Clay Street Outfall Structure.

In addition, GROUND has had the privilege of working directly with Rene Valdez and Vince Junglas on various projects.

### STAFF LOCATION

GROUND's staffing is distributed throughout its 6 offices throughout Colorado. GROUND's proposed project team for the Adams County materials testing and inspection services will provide all services, in-house from **our office and laboratory in Commerce City, Colorado located within Adams County**. GROUND has over 170+ experience personnel with 70 operating from our Commerce City office. Our staff consists of Professional Engineers (PE), Engineers in Training (EIT), Registered Geologists (RG), Certified Weld Inspectors (CWI), Construction Inspectors and Field Technicians who are either Civil Engineering graduates or working toward NICET II and higher certification. GROUND has a fully staffed Certified Weld Inspector division consisting of 7 full time Certified Weld Inspectors with over 100 years of combined experience. In addition, we have 5 full time highly qualified and certified ICC building inspectors familiar with the requirements for building/special inspection.

GROUND's qualified staff has extensive experience with geotechnical engineering, construction materials testing and special inspections for infrastructure and building projects including city, county, state and federally funded projects. Due to GROUND's 30 year history of providing materials testing and inspection services throughout Colorado, we have been privileged to work with all of the local contractors and design engineers on various projects through the years.

Specific project team members have been proposed for the anticipated work associated with the Capital Improvement Projects listed. If an increase in personnel for the Adams County projects is needed, then GROUND will access its pool of qualified and certified field engineers and technicians to meet Adams County's needs.

Laboratory Qualifications: GROUND participates in several national reference sample programs, and is accredited by both the AASHTO Materials Reference Laboratory (AMRL), and the Cement and Concrete



Reference Laboratory (CCRL). Our laboratory has passed rigorous inspections by the U.S. Army Corp of Engineers and CDOT. GROUND has the laboratory capabilities to maintain timely and accurate results regardless of the quantity of samples.

GROUND prides itself in providing cutting edge technology and equipment for specialty services that enhance our ability to provide services that meet and exceed our Clients' expectations.

## Proposed Staffing

GROUND has the Staffing Capacity and Experience to provide resources to respond and perform appropriately to meet the project schedule. The proposed personnel are available for assignment to the Adams County projects. Our staffing capacity and resources allow us to respond to the required work load and to perform the work concurrently with other projects.

GROUND proposes an experienced project team capable to respond to the inspection and materials testing service requirements of Adams County. Our staff and project team is committed to exceeding industry standards and guidelines and have extensive experience with construction inspection for both small and large infrastructure projects. The proposed staff members are all based in our Commerce City office. **All services will be provided utilizing in-house personnel.**

The following is the proposed project team. Resumes for the following key personnel are included in the subsequent Attachments section of the submittal:



**James B. Kowalsky, P.E. – Vice President, Principal Engineer**  
**28 Years of Experience**

*Mr. Kowalsky has been employed with GROUND for over 28 years and is currently responsible for management, planning and completion of a wide variety of geotechnical and construction inspection projects. As Vice President of GROUND Engineering and the principal engineer for this contract, Mr. Kowalsky will provide supervision for the overall GROUND project team, as well as provide any technical expertise, which may be necessary for problem resolutions during construction of the project. Mr. Kowalsky's responsibilities include company-wide management, planning and completion of construction and geotechnical projects, staff planning and training, coordination and allocation of resources and client contact and service. Over his 28 years of experience, Jim has provided quality control management of roadways, airports, bridges, drainage-ways, mine sites, commercial buildings and residential developments.*



**Scott Sickler, P.E. – Director of Construction Management Services; Construction Engineer**  
**18 Years of Experience**

Mr. Scott Sickler will serve as the Construction Project Engineer for all work accomplished under this contract. Mr. Sickler has over 18 years of experience providing construction management services, inspection and project management of geotechnical engineering, construction materials inspection, and specialty services projects throughout Colorado, as well as numerous additional States. He is an experienced construction engineer who has successfully provided professional services on numerous similar projects including the Adams County Asphalt Coring and Subsurface Verification (I-25 and Washington Street between 54<sup>th</sup> to 84<sup>th</sup> Avenue), Imboden Road Construction, Highway 36 Reconstruction (CDOT documentation), City of Boulder Broadway Reconstruction and Pearl Parkway Reconstruction (CDOT documentation), Central Park Boulevard Construction (CDOT documentation), SEMSWA Dove Creek Pond D-2, SEMSWA Windmill Creek Pond W-1, 2013 Douglas County Asphalt Overlay Program, 2013 City of Wheat Ridge Construction Management, the Town of Berthoud Mountain Avenue Phase 3 (CDOT Documentation), City of Federal Heights Construction

Management, US Highway 6, US 287, SH 66 to Littleton Thompson River, US 85 Fort Lupton to Platteville Overlay, I-76 Fort Morgan to Brush Phase II, SH 74 Idledale Bridge, US 285 Schaeffer's Crossing Bridge, Lowe's construction management contract, CBRE various contract, 1<sup>st</sup> Industrial Realty and numerous other projects.

His primary responsibilities include project engineering and construction management services for GROUND's Construction Management Department. Scott has extensive experience with providing construction management of State and Local infrastructure projects, quality assurance and quality control management, as-built verification, quantity and pay application verification and municipal/CDOT project closeout documentation. Mr. Sickler provides owner representation for overseeing observation and reporting, plan review, progress and quantity documents, final inspection, punch listing, overseeing tenant turnover, pavement rehabilitation, including specification generation, preparation and award of bid packages.



**Mr. Mark Guikema, P.E. – Construction Engineer**  
**11 Years of Experience**

Mr. Guikema is experienced with planning, management and completion of construction projects throughout Colorado. His project roles have included directly assisting Mr. Sickler in overseeing observation and reporting, plan review, progress and quantity documents, final inspection, punch listing, overseeing tenant turnover, pavement rehabilitation, including specification generation, preparation and award of bid packages, and overseeing construction. His construction inspection/management project experience includes but is not limited to Adams County Asphalt Coring and Subsurface Verification (I-25 and Washington Street between 54<sup>th</sup> to 84<sup>th</sup> Avenue), Imboden Road Construction, Douglas County Overlay Program, SEMSWA Ponds, Federal Heights Pavement Program, City of Sheridan, Cherry Hills III, and 755 Parfet. Mr. Guikema is also certified and experienced in construction inspection services.

His experience also includes performing FWD and GPR testing and data analysis for pavement management programs, geotechnical investigations for commercial, residential and municipal projects including evaluation of data, soil investigations, drilling, coring and report writing, and training of staff and client contact and service.



**Tony Frydenlund - Construction Services Project Manager**  
**11 Years of Experience**

As the construction project manager, Mr. Frydenlund is responsible for coordinating and scheduling the materials testers and inspectors, provide appropriate equipment and resources, reviewing the testing and inspection reports and documentation for the work that they provide to our clients. Tony reviews reports on a daily basis and works with the project engineer, Mr. Sickler, to provide accurate, reliable, timely data for project observations and inspections. Most recently, Mr. Frydenlund has managed on-call contracts for municipalities and districts including Adams County On-Call Projects including 2013 Concrete Replacement Program, 2013 Asphalt Program, N. Colorado Boulevard and Hwy 7 Box Culvert, 2012 Street Maintenance Program, York and 64<sup>th</sup> Pipe, Kenwood Outfall Storm Sewer, Imboden Road 88th to 120th, 2012 Miscellaneous Concrete Improvements, Goat Hill Phase 2B, Adams County Safe Routes to School, Henderson Road Culvert Replacement, 2012 Facilities Maintenance Project, 78th Avenue Sidewalk, 2010 Asphalt Coring, Clay Street Outfall Structure, such as SEMSWA, Greenwood Village, South Suburban Parks and Recreation and the Rampart Range Metro District.



**Craig Taylor – Construction Inspector and Materials Tester**  
**14 Years of Experience**

- BA - Theology/Greek Degree
- Over 14 years of experience with GROUND
- Experienced construction materials tester and inspector
- Currently providing construction management and inspection services for the State Hwy 44 over Platte and 104<sup>th</sup> Avenue Improvements

- Certifications Include: NICET Level II – Asphalt, Concrete, Soils, CAPA LabCat Certified; Level A, Level B, ACI Field Certified; Level I, ACI Certified Strength, Troxler Nuclear Safety Certification, WAQTC, Embankment & Base Testing, ICC – Spray-Applied Fireproofing Special Inspector, CDOT Erosion Control Supervisor Training
- Past Adams County Experience: Adams County 2013 Concrete Replacement Program, 2013 Asphalt Program, N. Colorado Boulevard and Hwy 7 Box Culvert, 2012 Street Maintenance Program, York and 64<sup>th</sup> Pipe, Kenwood Outfall Storm Sewer, Imboden Road 88th to 120th, 2012 Miscellaneous Concrete Improvements, Goat Hill Phase 2B, Adams County Safe Routes to School, Henderson Road Culvert Replacement, 2012 Facilities Maintenance Project, 78th Avenue Sidewalk, 2010 Asphalt Coring, Clay Street Outfall Structure; Additional experience includes City of Boulder Broadway Reconstruction, I-225/Parker Road Flyover, I-70/I-270 Interchange, Stapleton Filings, East Hwy 36 Interchange and Bridge, I-25 Hwy 52 to CR 16 Widening, Prairie Gateway Infrastructure, Commerce City Civic Center, Stapleton North Business Center, Federal Boulevard Widening, SH 128 & 120<sup>th</sup> Avenue Improvements, SH 128 to Interlocken Loop, Dillon Road & 120<sup>th</sup> Avenue Intersection Improvements



**Ron Welty – Construction Inspector and Materials Tester**  
**12 Years of Experience**

- Over 12 years of experience with GROUND
- Experienced construction materials tester and inspector; leads materials tester internal training program
- Currently providing construction management and inspection services for the 104<sup>th</sup> Avenue Improvements and the Coyote Ridge Filing 8 Project
- Certifications Include: NICET Level II – Asphalt, Concrete, Soils, CAPA LabCat Certified; Level A, Level B, ACI Certified; Level I, Troxler Nuclear Safety Certification, WAQTC/Embankment & Base Testing, ICC – Structural Masonry Special Inspector, ICC – Spray-Applied Fireproofing Special Inspector, Post-Tensioning Institute Certification; Level I & II, Reinforcing Steel Special Inspector, ICC – Soils Special Inspector, Stormwater Management and Erosion Control
- Past Adams County Experience: Adams County 2013 Concrete Replacement Program, 2013 Asphalt Program, N. Colorado Boulevard and Hwy 7 Box Culvert, 2012 Street Maintenance Program, York and 64<sup>th</sup> Pipe, Kenwood Outfall Storm Sewer, Imboden Road 88th to 120th, 2012 Miscellaneous Concrete Improvements, Goat Hill Phase 2B, Adams County Safe Routes to School, Henderson Road Culvert Replacement, 2012 Facilities Maintenance Project, 78th Avenue Sidewalk, 2010 Asphalt Coring, Clay Street Outfall Structure; Additional experience includes CDOT Climbing Lanes, Moss Street Extension, DIA 8/26 Runway Rehabilitation



**Michael Kerns – Construction Inspector and Materials Tester**  
**17 Years of Experience**

- Previous CDOT Consultant
- Experienced construction management inspector
- Currently providing construction management and inspection services for the I-25, TREX Bridges Preventative Maintenance
- Certifications Include: CAPA Levels A, B, C, & S, CAPA Asphalt Inspector, ACI Concrete Field Testing Level I, ACI Concrete Lab, ACI Concrete Strength, Nuclear Gauge Radiation Safety and Use, Traffic Safety Control Supervisor, WAQTC EBBT Technician, Storm Water Management, NICET Level I – Soils in Construction Materials Testing, NICET Level II –Asphalt in Construction Materials Testing, NICET Level II – Concrete in Construction Materials Testing, C-DOT Plan Reading, Survey and Math, C-DOT Bridge Girder Erection Certification, Crusher / Screening Management, TECS (Erosion Control Supervisor), Davis Bacon Payroll Training
- Past Experience Includes: I-25 & Santa Fe Bridge Replacement, RTD West Corridor, State Highway 9, Fairplay Drainage and Highway Improvements, State Highway 73 South, I-25 Highway 7 South to 120<sup>th</sup> Avenue, Fort Morgan Rural Highway Projects, I-70 Eisenhower Tunnel West to Silverthorne, College Avenue, DIA Runway and D-Ice Pads, and E-470/Northwest Parkway



**Kent Austin, PE – Construction Inspector and Materials Tester  
6 Years of Experience**

- Professional Engineer
- Degree in civil engineering from Colorado School of Mines
- Experienced construction management inspector and tester
- Currently providing construction management and inspection services to the Jefferson County Quincy Avenue Reconstruction
- Experienced in geotechnical engineering and environmental engineering services as well
- Certifications Include: Professional Engineer, ACI Certified Level 1, Troxler Nuclear Safety Certified, WAQTC Soils Inspector, CAPA LabCat Certified Level A and B, PTI Level 1 and 2, ICC Reinforced Concrete, OSHA 10-Hour Construction Safety, BNSF Safety Orientation, UPRR Safety Orientation, RWP Safety Orientation, CDOT Math/Plan Reading/Survey
- Past Experience: City of Wheat Ridge Taft and 38<sup>th</sup> Inspection, City of Wheat Ridge 32<sup>nd</sup> Avenue Widening, DIA STRP, Streets at Southglenn Development, Conduit 302

**Field Technicians – *supplemental to the Construction Inspectors as required by project schedules.***

The Field Technicians will be responsible for reporting to the project site at the requested time, providing the requested materials testing services, recording test data, communicating the test results to the Project Manager and completing testing reports. Materials testing results will be recorded daily so that reports and project books are always up to date. Items requiring corrections will be completed quickly. Follow-up during project closeout will be timely to assure that any issues are closed quickly. GROUND will work closely with the Construction Inspector and Project Manager to provide daily coordination and data reporting that meets the needs of Adams County.

**Hector Avendano – 3 years of experience**

BS Civil Engineering University of Colorado Denver  
Troxler Nuclear Gauge Safety Training,  
WAQTC  
ACI Certified; Level I

**Josh St. Onge – 3 years of experience**

Troxler Nuclear Safety Certification  
WAQTC  
ACI Field Level I, ACI Strength  
CDOT Erosion Control Supervisor  
CAPA A&B, ICC Soil Special Inspector, Post  
Tension I

**Jeff Perzinski, EI – 2 years of experience**

BS Engineering Physics Colorado School of Mines  
MS Electrical Engineering Colorado School of Mines  
MS Applied Physics Colorado School of Mines  
Engineering Intern  
Troxler Nuclear Safety Certification

*(Jeff Perzinski continued)*

WAQTC  
ACI Field Level 1  
CAPA – Level A, B  
ICC Reinforced Concrete Special Inspector  
Associate  
NICET Level 1- Asphalt, Concrete, Soils  
ASCET Certified  
BNSF, Union Pacific E-Rail Safety  
Safeland Training

**Ben Fesmire – 1+ year of experience**

BS Concrete Industry Management Middle  
Tennessee State University  
Associate in Business Administration Middle  
Tennessee State University  
Nuclear Gauge Certified  
ACI Level I  
WAQTC  
CAPA A & B  
CDOT Pavement Inspector

Please see the Attachment Section for Field Technician resumes.

**Additional approved Managers, Inspectors and Field Technicians can be provided as necessary**

## Firm Experience

GROUND is experienced in all phases of construction management, inspection, materials testing and documentation, sampling, inspecting and project closeout, as well as preliminary roadway engineering, geotechnical investigation and design. GROUND has successfully performed construction management, inspection, materials testing, pavement engineering and geotechnical services on over 175 CDOT roadway projects and hundreds of other transportation/infrastructure related projects across the State of Colorado and neighboring states.

GROUND has held construction management contracts including but not limited to:

- CDOT in Regions 1,2,3,4, and 6
- Highway 36 Reconstruction project Phase I and II
- Central Park Boulevard Construction
- City of Boulder Broadway Reconstruction
- Boulder Pearl Parkway Reconstruction
- Boulder Safe Routes to School
- Boulder 28th Street Multi-Path
- Wheat Ridge 32nd Avenue Widening
- Wheat Ridge Taft and 38th Infrastructure Inspection
- Douglas County 2013 Asphalt Overlay Program
- Southeast Metro Stormwater Authority (SEMSWA) Dove Creek Pond D-2
- SEMSWA Windmill Creek Pond W-1
- 2014 City of Centennial On-Call Materials Testing and Inspection
- Town of Berthoud Mountain Avenue Phase 3
- CBRE Various Contracts
- 1st Industrial Realty
- numerous other projects

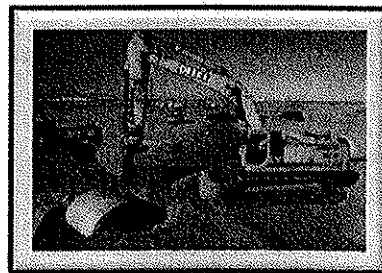
In addition, GROUND has provided on-call materials testing services to various local municipalities throughout the Front Range including Adams County, City of Lakewood, Boulder County, Jefferson County, City and County of Broomfield, City of Thornton, City of Arvada, City of Northglenn, City of Commerce City, City of Westminster, City of Loveland, City of Greenwood Village, City of Littleton, City of Aurora, Arapahoe County, Douglas County and numerous additional municipalities throughout our 30 year history.

## RELEVANT PROJECT EXPERIENCE DESCRIPTIONS:

### City of Boulder Broadway Reconstruction: Construction Inspection and Materials Testing Services

*Personnel: Tony Frydenlund, Craig Taylor, Ron Welty, Scott Sickler, Jim Kowalsky*

The Broadway (Pine to Iris) Reconstruction Project represents the largest single transportation project to be constructed in the City of Boulder. It was a joint venture between the Federal Highway Administration, Colorado Department of Transportation, and the City of Boulder. The project consisted of the construction of 5.5 lane miles of new concrete roadway, replacement of 65,000 SF of sidewalk, new transit stops, Farmer's Ditch structure, installation of 1.3 miles of storm sewer lines, 1.8 miles of water lines, 0.3 miles of sanitary sewer line, 4.4 miles of fiber-optic line, 1.1 miles of gas lines, private utilities, and new concrete hardscape.



Reference: City of Boulder

Mr. Alex May, P.E.

Phone: 303-441-3269 Email: [maya@bouldercolorado.gov](mailto:maya@bouldercolorado.gov)

### City of Wheat Ridge Taft and 38<sup>th</sup> Infrastructure: Construction Inspection and Materials Testing Services

*Personnel: Tony Frydenlund, Craig Taylor, Kent Austin*

GROUND provided construction inspection services to the City of Wheat Ridge on 2 infrastructure projects in support of private residential developments within the City. Construction inspection services include plan review, observation and inspection of construction activities, pay estimate measurements and quantity calculations,

enforcement of project specifications, construction monitoring, reporting and coordinating directly with the City of Wheat Ridge Project Manager.

Reference: City of Wheat Ridge  
Mr. Russell Higgins, P.E.  
Phone: 303-235-2869 Email: [rhiggins@ci.wheatridge.co.us](mailto:rhiggins@ci.wheatridge.co.us)



**Douglas County 2013 Douglas County Asphalt Overlay Construction Management**

*Personnel: Scott Sickler, Ron Welty*

The municipal project includes approximately 16 miles of asphalt roadway rehabilitation. Roadway improvements include asphalt milling and overlay within various high traffic areas of Highlands Ranch and Douglas County. Specific challenges for the project include high levels of automobile and pedestrian traffic so safety, traffic control and scheduling were primary concerns. Construction management services included plan review, materials quality review and inspection, construction phasing, traffic control review, quantity verification/pay applications, and project punch list and closeout.

Reference: Douglas County – Department of Public Works Engineering  
Mr. Terry Gruber, P.E.  
Phone: 303-663-6284 Email: [tgruber@douglas.co.us](mailto:tgruber@douglas.co.us)

*Members of the project team and additional inspectors at GROUND provided services for the previous and following recent or ongoing projects in the respective roles outlined in the Proposed Staffing section of the submittal.*

City of Boulder – Boulder Junction Infrastructure Construction Inspection  
City of Boulder – Broadway Reconstruction Utility Inspection  
US 36 Phase I and Phase II – includes 16 construction inspectors full time  
City and County of Denver Utility Inspection for hundreds of private developments  
Stapleton Redevelopment – Inspection of all utility infrastructure since development started  
*Additional references can be provided upon request*

Demonstrated Work History: GROUND completes hundreds of similar on-call contract projects within a year for various municipalities around the Denver Metro area. GROUND continually earns the privilege to perform repeat work with numerous municipalities. GROUND takes great pride in providing the best service possible and keeping the client's project needs as the primary concern.

## **Project Approach**

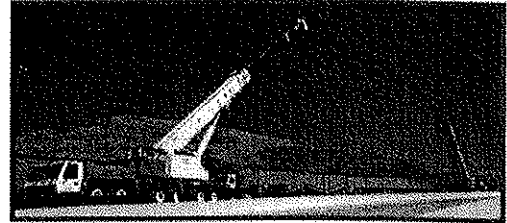
The GROUND Team approaches each job with a primary goal of completing the project on time and within budget while providing the highest level of service. We are committed to work with Adams County to successfully achieve this goal. We have a reputation for aggressively representing our client's interests while being able to develop technically sound and cost effective solutions with the design and contractor team.

We are also known for providing practical answers, which work in the real world. One of the foremost tools to facilitate teamwork between our Team members, the owner, designer and contractor is the utilization of **open and effective communication**. One primary role of the Team is to respond to any and all problems that might arise during the project that potentially can increase costs, extend the schedule or result in a completed project that does not meet the expectations of the client.

Municipal improvement projects can be extremely intricate and multi-phased. Infrastructure projects within Adams County will require the subconsultant to be experienced with the challenges of detours, lane shifts, traffic flow, and maintaining business accesses. Urban building projects present the additional challenge of high levels of pedestrian traffic and confined construction spaces. Both types of municipal projects have the need for a

**constant focus on safety.** GROUND has extensive experience providing materials testing and inspection services effectively while maintaining the project safety and meeting the challenges an urban setting provides.

GROUND will provide projects under this contract with comprehensive professional construction materials testing and inspection services. The GROUND Project Manager will coordinate with Adams County to develop a complete project specific scope of services. GROUND will routinely coordinate and communicate with the Adams County Project Engineer/Manager throughout the project period. **All required documentation will be recorded daily so that reports and project books are always up to date.** The manager will also evaluate our performance both from a technical and service standpoint and he will discuss these items with the Adams County Project Engineer/Manager. Items requiring corrections will be completed quickly. Follow-up during project closeout will be timely to assure that any issues are closed quickly.



Our goal is to provide high quality construction materials testing and inspection services from start to finish for the Adams County projects. The construction inspector will provide on-site observation and inspection, daily reporting, regularly attend the scheduled progress meetings, review pay estimate measurements and quantity calculations, provide enforcement of the project specifications to ensure they are in adherence to CDOT and Adams County specifications, as well as communicate regularly with the Adams County project team members. The construction field inspection services will be overseen by GROUND's Construction Project Engineer and daily schedule coordination and equipment resource management will be under the supervision of the Construction Project Manager.

The field staff, including Field Engineers, Engineering Technicians, Senior Engineering Technicians, and Construction Managers, will be provided on-site on a scheduled basis for the required quality assurance testing to be conducted during the construction. The field staff is cross-trained and certified in soils testing, concrete testing, asphalt testing, chemically stabilized soils, and other technical certifications. Certifications include ACI Certification for concrete testing, Nuclear Safety/Troxler certification, CAPA / LabCat A, B and E certification for asphalt field and laboratory testing, WAQTC and NICET program participation for soils / aggregates testing as well as additional certifications pertaining to vertical construction projects. If FWD testing is requested, it would be performed by our specialty services department which consists of three professional engineers and three degreed engineers.

#### **STAFFING CAPACITY:**

Specific project team members have been proposed for the anticipated work associated with the Adams County Capital Improvement Projects listed. If an increase in personnel for the Adams County projects is needed, then GROUND will access its pool of qualified and certified field engineers and technicians to meet Adams County's needs. **GROUND has over 170+ personnel company wide and over 70 qualified personnel located at our Commerce City office. GROUND has the capacity to meet any of Adams County project needs Regardless of personnel category.**

#### **Hourly Billing Rates:**

Principal Engineer: \$125.00 per hour	Construction Inspector: \$80.00 per hour
Construction Project Engineer: \$95.00 per hour	Field Technician: \$45.00 per hour
Construction Project Manager: \$85.00 per hour	

*Please see the 2014 Fee Schedule in the Attachment section for detailed breakdown sheet of itemized costs. A project specific proposal can be prepared once plans and specifications are available for review.*

**GROUND has the qualifications, personnel, experience and expertise to provide the construction materials testing and inspection services required to successfully complete this contract with Adams County. We appreciate being considered for these services.**



# GROUND ENGINEERING CONSULTANTS, INC.

## FEE SCHEDULE - CONSTRUCTION SERVICES (2014) 2014C1.1

### MATERIAL TESTING AND SPECIAL INSPECTION

Construction Materials Testing and Special Inspections (Time is round trip from office to project site and return)

- a. Engineering Technician ..... see proposal
- b. Senior Engineering Technician ..... see proposal
- c. Overtime (Over 8hrs/day, weekends, nights after 6pm) ..... Personnel Hourly Rate + \$15.00 per hour
- d. Vehicle Mileage ..... see proposal (not typically charged)
- e. Daily Rates (includes personnel, vehicle and equipment) ..... see proposal
- f. Weld Testing (MT,PT,UT), ASNT Qualified, Visual Weld Insp., (AWS, API CWI Qual.), Bolt Tension & Special Insp. .... see proposal
- g. NDE - Weld Inspection Instrumentation -- Ultra Sonic and Magnetic Particle ..... \$40.00/day
- h. Trip Charge (covers vehicle and equipment) ..... see proposal

### LABORATORY TESTING

Standard Proctor Compaction (ASTM D 698) .....	\$90.00
Modified Proctor Compaction (ASTM D 1557) .....	\$100.00
Check Point Proctor .....	\$45.00
Natural Density and Moisture Content .....	\$12.50
Specific Gravity (ASTM D 854) .....	\$60.00
Aggregate Specific Gravity .....	\$60.00
Gradation Analysis (ASTM D 422)	
a. All Standard Sieve to #200 Sieve .....	\$55.00
b. Percent Less Than #200 Sieve .....	\$35.00
c. Hydrometer Analysis, add .....	\$55.00
"R"-Value (ASTM D 2844) .....	\$300.00
Atterberg Limit (ASTM D 4318) .....	\$45.00
Sand Equivalent (ASTM D 2419) .....	\$95.00
Relative Density (ASTM D 2049) .....	\$200.00
Clay Lumps and Friable Particles (C 142) .....	\$35.00
Concrete Compression Test, Cylinders .....	\$14.00/ea
Flat or Elongated Particles (D 4791) .....	\$60.00
Soil Stabilization Mixture Analysis .....	Quote
Concrete Flexural Test, Beams .....	\$55.00
Mortar Cubes .....	\$20.00/ea
Masonry Prisms .....	\$85.00/ea
Grout Specimens .....	\$30.00/ea
Soil Stabilization Pucks .....	\$250.00/set of 3
Floor Flatness and Levelness FF/FL Testing .....	Quote
Maturity Meter .....	Quote
Laboratory Technician .....	\$40.00-\$60.00/hour
Moisture Coupons .....	Sr. Tech Time + \$35.00 per coupon
Relative Density (F2170) .....	\$50.00/each
Shotcrete Cores .....	\$60.00/ea

Fireproofing: Thickness, Density, Adhesion .....	Tech Time
Asphalt Extraction and Gradation Tests .....	\$150.00
Special Tests/Sample Preparation .....	\$40.00-\$60.00/hour
Marshall Properties:	
Field production sample .....	\$175.00
Laboratory sample (3 specimens/point) .....	\$200/point
SHRP Mix Analysis SHRP Gyrotory Compaction, 3 points	
Field Production Sample .....	\$250.00
Laboratory Sample .....	\$300.00
Theoretical Maximum Specific Gravity (D 2041) .....	\$95.00
Effect of Water on Cohesion of Compacted	
Bituminous Mixtures (D 1075) Field Production .....	\$200.00
Laboratory Specimens .....	\$260.00
Lottman Tests .....	\$300.00
Ignition Oven Calibration .....	\$200.00
Neutron Oven Test (AC) .....	\$60.00
Coring - Asphalt .....	\$75.00/each
Asphalt and Concrete Mixture Analysis .....	Quote
Soundness (ASTM C 88) .....	\$175.00
Fractured Faces Test .....	\$60.00
Los Angeles Abrasion Test .....	\$150.00
pH Test .....	\$35.00
Water Soluble Sulfates Test .....	\$45.00
Uncompacted Voids Test .....	\$75.00
Bulk Specific Gravity - Asphalt .....	\$50.00
Permeability	
a. Falling or Constant Head, 2-4" Diameter .....	\$200.00
b. Triaxial Permeability .....	\$350.00

### ENGINEERING

(Covers planning and general supervision, field trips, analysis, consultation, preparation of reports, and travel time.)

Principal Engineer .....	\$125.00-\$175.00/hour
Project Manager .....	\$85.00-\$105.00/hour
Project Engineer, Weld Engineer or Geologist .....	\$75.00-\$95.00/hour
Staff/Field Engineer .....	\$65.00-\$75.00/hour
ICC Building Inspection (D.F.S. Approved) .....	\$65.00-\$80.00/hour
CAD Technician .....	\$50.00/hour
Special Consultation, Expert Testimony and Court Appearance .....	Negotiable Daily Rate

### MISCELLANEOUS

Out-of-town living expenses, commercial travel costs, equipment rental, etc. ....	Cost +15%
Interest charged after 30 days from invoice date .....	1.5%/month
Outside Laboratory Services .....	Cost +20%
Pile Dynamic Analysis, Ground Penetrating Radar, Cross Hole Sonic Logging, Sonic Echo, Thermal Conductivity and Resistivity .....	Quote
Mobile Laboratory .....	Quote (Project Specific)

## **Jeff Perzinski**

Field Technician  
2 Years of Experience

### **EDUCATION**

B.S. Engineering Physics-Colorado School of Mines  
M.S. Electrical Engineering-Colorado School of Mines  
M.S. Applied Physics-Colorado School of Mines

### **PROFESSIONAL REGISTRATIONS and CERTIFICATIONS**

Engineering Intern  
Troxler Nuclear Safety Certification  
WAQTC  
ACI Field Level 1  
CAPA – Level A, B  
ICC Reinforced Concrete Special Inspector Associate  
NICET Level 1- Asphalt, Concrete, Soils  
ASCET Certified  
BNSF, Union Pacific E-Rail Safety  
Safeland Training

### **EXPERIENCE**

Field-testing includes testing of soils, aggregates, asphalt, and concrete for a variety of projects. Mr. Perzinski has experience providing soils, concrete, asphalt testing and drilled pier observations on project sites throughout the Denver area. On a daily basis, field- testing and observation including: soils testing for utility (Storm, Water, and Sanitary) construction, foundations, infrastructure pavement subgrade, trench retaining wall and foundation backfill. Additional experience includes: reinforcing steel special inspections, chemically stabilized sub grade driven pile observation, screw pile observation, post-tension cable placement and elongation observation, masonry inspection/testing, open hole observation, maturity meter reading and concrete testing on footings, grade beams, slabs, pavement, sidewalks, and other concrete structures.

Laboratory testing includes soil testing, asphalt testing, and concrete testing.

### **PROJECT EXPERIENCE**

Margaret Carpenter Park  
Federal Boulevard Widening  
Prospect Ridge School  
Camden Apartments  
DIA Level 5  
DIA Misc. Roadways  
Bluebird Sprouts

Aurora Compressor  
Brighton Compressor  
Rocky Mountain Fire Station #6  
Genesee Water Treatment Facility  
Northglenn Water Treatment Facility  
DIA Runway Project  
DIA Rehab Project

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Fairfax Park  
Sterling Water Treatment Facility  
Arvada Fire Station  
64<sup>th</sup> Avenue Asphalt Replacement  
Halliburton  
Boys and Girls Club  
Ball Aerospace  
Conduit 302 36" Pipeline  
Dillon Road & 120<sup>th</sup> Intersection  
Improvements  
2012 Misc. Concrete  
NREL ESIF  
Colorado Mills Outparcel  
State Highway 128 West 120<sup>th</sup>  
Avenue Phase II  
Colorado Mini Storage  
DIA Alamo  
CU Campus Utilities  
Metro Par 1085 South Secondary  
Improvements  
16<sup>th</sup> and Market  
Cadence Apartments-Denver  
One Union Station, Denver  
Union Station, Denver  
Union Station Block A, Denver  
Balfour Cosmopolitan Club, Denver  
5th Street Garage (Auraria Campus)-  
Denver  
City House-Denver  
Denver Art Museum Admin Bldg.  
Palisade Filing 1  
Armstrong Relocation Warehouse  
Libretto Apartments-Brighton  
Park 12 Hundred Phase 1 Remodel  
Home 2 Suites, Lakewood  
Urban Drainage Ridge Road Tributary  
Dunkirk Elementary  
2020 Lawrence  
Marquez Hall (School of Mines)  
Park Hill  
High Street Outfall

## Josh St. Onge

Field Technician  
3 Years of Experience

### PROFESSIONAL REGISTRATIONS and CERTIFICATIONS

Troxler Nuclear Safety Certification  
WAQTC  
ACI Field Level I, ACI Strength  
CDOT Erosion Control Supervisor  
CAPA A&B, ICC Soil Special Inspector, Post Tension I

### EXPERIENCE

Field-testing and observation including soils testing, drilled pier observation, concrete testing, structural masonry testing and observation, as well as asphalt field-testing. Testing and observation includes utility (water, sanitary and storm) construction, foundation and asphalt pavement subgrade, trench retaining wall and foundation backfill. Additional experience includes reinforcing steel observation, Soil Nail shoring observation, and Red and blue top observation for roadway.

Laboratory testing including soils testing and concrete testing.

### PROJECT EXPERIENCE

Metro Par 1085  
Metro Bar Screen  
Fort Lupton Gravel Pit Embankment  
Sterling WTP  
NREL Moss St  
Brighton Elementary 27J  
Brighton NWTP  
Clayton Academy  
MEC/MESA  
Margaret Carpenter Park  
Federal Widening  
2020 Lawrence  
Front Range Airport

Systems Biotech Building at CU Boulder  
NREL ESIF  
Halliburton  
SH 128 Relocate & Interlocken Loop  
Broomfield Waterline  
SH 128 & 120<sup>th</sup> Ave Phase II  
DIA 2012 Rehab Runway  
City House  
Cadence Apartments  
Union Station  
One Union Station  
RMMA Airport

## **Ben Fesmire**

Field Technician  
1 Year of Experience

### **EDUCATION**

BS Concrete Industry Management, Middle Tennessee State University  
Associate in Business Administration, Middle Tennessee State University

### **PROFESSIONAL REGISTRATIONS and CERTIFICATIONS**

Nuclear Gauge Certified  
ACI Level I  
WAQTC  
CAPA A & B  
CDOT Pavement Inspector

### **EXPERIENCE**

Field laboratory testing includes testing of soils, aggregates, asphalt, and concrete for a variety of projects. Mr. Fesmire has experience providing soils, concrete, asphalt testing, drilled pier observations, and driven pile observations on project sites throughout the Denver area. On a daily basis, field testing and observation including: soils testing for utility (Storm, Water, and Sanitary) construction, foundations, infrastructure pavement subgrade, trench retaining wall and foundation backfill. Additional experience includes: reinforcing steel observation and concrete testing on footings, grade beams, slabs, pavement, sidewalks, and other concrete structures.

Prior to working at GROUND, Mr. Fesmire had experience working in a decorative concrete manufacturing facility including cast concrete structures, acid staining of concrete features and other miscellaneous concrete work.

### **PROJECT EXPERIENCE**

City House Building, Denver  
Colorado Mini Storage  
Dunkirk Elementary  
Standley Lake High School  
Carrabba's Italian Grill, Denver West  
Metro PAR 1085 Waste Management Facilities  
Union Station North Wing  
16 M Building  
Armstrong Warehouse Relocation  
DIA Alamo Enterprise  
AMLI Riverfront Building  
Curtis Garage Parking Garage Repairs

96<sup>th</sup> Avenue Road Improvements  
DIA Runway 17L 35R  
Denver Art Museum Admin Building  
LoHi Apartments  
CDOT SH 44 over S. Platte  
Avery Brewery  
DIA Concourse C Gate Expansion  
5<sup>th</sup> Street Parking Garage  
DIA Tech Center  
1520 Market Street Renovation  
Crofton Elementary School Addition  
Holy Trinity House Addition & Remodel

**GROUND**  
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# Hector Avendano

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Field Technician/Engineer

## EDUCATION

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University of Colorado of Denver 2005 – 2009 Bachelor's Degree, Civil Engineering

## PROFESSIONAL REGISTRATIONS and CERTIFICATIONS

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Troxler Nuclear Gauge Safety Training,  
WAQTC  
ACI Certified; Level I

## EXPERIENCE

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Mr. Avendano's experience includes testing and special inspections during major earthwork operations including, roadway embankment and subgrade, runway embankment and subgrade, cement stabilized subgrade, aggregate base course placement and utility trenching and backfill, as well as structural fills for buildings and bridges. He has also performed testing on other construction materials including asphalt and concrete. Mr. Avendano has performed special inspections during masonry construction and reinforced concrete construction.

Mr. Avendano is currently performing field and laboratory testing during the reconstruction of the runway at Buckley Air Force Base. This project also included laboratory test demonstrations for the Army Corp of Engineers to gain the certifications of the mobile laboratory set up on the project.

## PROJECT EXPERIENCE

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DIA Runway Rehab Project  
RTD Fastracks P3 Eagle  
CU Campus Utilities  
2013 Adams County Street Maintenance  
Halliburton Phase II Pavement  
5<sup>th</sup> Street Garage  
16<sup>th</sup> & Market  
City House  
Balfour Apartments

Union Station Block A  
Amli Riverfront Apartments  
Rocky Mountain Fire Station  
Camden  
Buckley Air Force Base Runway  
Replacement

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