

SECOND AMENDATORY AGREEMENT

THIS SECOND AMENDATORY AGREEMENT is made and entered into by and between the CITY AND COUNTY OF DENVER, a municipal corporation of the State of Colorado (the “City”) and AECOM TECHNICAL SERVICES, INC., a California corporation authorized to do business in the State of Colorado, whose address is 6200 South Quebec Street, Greenwood Village, Colorado 80111 (the “Consultant”), jointly the “Parties.”

RECITALS:

A. The Parties entered into an On-Call Engineering Services Agreement dated August 3, 2016 to provide on-call professional engineering services and related technical services to support the City’s Department of Transportation & Infrastructure Wastewater Management Division (the “Original Agreement”); and

B. The Parties subsequently amended the Original Agreement in accordance with that Amendatory Agreement dated January 16, 2019 (the “First Amendment”); and

C. Collectively, the Original Agreement and the First Amendment shall be referred to herein as the “Agreement;”

D. Rather than enter into a new contract, the Parties desire to amend the Agreement to update the Line of Authority and contract information of the Parties, extend the term of the Agreement until September 11, 2021, replace the original **Exhibit B** that was attached to the Agreement with the attached **Exhibit B-1**, and add compensation in the amount of TWO MILLION DOLLARS (\$2,000,000.00) to the Agreement for the purpose of business continuity.

NOW THEREFORE, in consideration of the premises and the Parties’ mutual covenants and obligations, the Parties agree as follows:

1. Section 1.02 of the Agreement entitled “**LINE OF AUTHORITY FOR CONTRACT ADMINISTRATION**” is hereby amended to read as follows:

“1.02 Line of Authority for Contract Administration. The City’s Executive Director of the Department of Transportation & Infrastructure (“Manager”) is the City’s representative responsible for authorizing and approving the work performed under this Agreement. The Manager hereby designates the City Engineer as the Manager’s authorized representative for the purpose of issuing a written Notice to Proceed and administering, coordinating and initially approving the services performed by the Consultant under this Agreement. The Project Manager, who reports to the City Engineer, shall be responsible for the day-to-day administration, coordination and approval of services performed by the Consultant, except for approvals that are

specifically identified in this Agreement as requiring the Manager's approval. The Manager expressly reserves the right to designate another authorized representative to perform on the Manager's behalf by written notice to the Consultant."

2. Section 3 entitled "**COMPENSATION, PAYMENT, AND FUNDING**" is amended to read as follows:

"3.06 Maximum Contract Amount; Funding.

(a) It is understood and agreed by the parties hereto that payment or reimbursement of all kinds to the Consultant, for all Work performed under this Agreement, shall not exceed a maximum of **SIX MILLION DOLLARS AND NO CENTS (\$6,000,000.00)**. In no event shall the maximum payment to the Consultant, for all work and services performed throughout the entire term of this Agreement exceed the contract maximum amount set forth above."

3. **Exhibit B** of the Agreement shall be replaced in its entirety by **Exhibit B-1**, which is attached hereto and incorporated herein by reference. The new rates detailed in **Exhibit B-1** shall be effective at the time of execution of this Second Amendatory Agreement and shall only apply to new task orders issued after execution of this Second Amendatory Agreement.

4. Section 4 of the Agreement entitled "**TERM AND TERMINATION**" is amended to read as follows:

"4.01 Term: The term of this Agreement shall commence on September 12, 2016, and shall expire on September 11, 2021, unless sooner terminated or extended by written amendment. The Consultant shall complete any task orders in progress as of the expiration date of this Agreement and the term will extend until the work is completed or earlier terminated by the Manager. All terms and conditions of the Agreement shall remain in full force and effect until such completion."

5. Section 5 of the Agreement entitled "**GENERAL PROVISIONS**" is amended to read as follows:

"5.25 Notices: When this Agreement requires notice to the City or the Consultant it shall be sent by certified mail, return receipt requested, to the addresses listed below:

To the City: Executive Director of the Department of
Transportation & Infrastructure
201 West Colfax Avenue, Department 608

Denver, Colorado 80202

With a copy to: Assistant City Attorney
201 West Colfax Avenue, Department 1207
Denver, Colorado 80202

To the Consultant: AECOM Technical Services, Inc.
6200 South Quebec Street
Greenwood Village, Colorado 80111”

6. Except as herein amended, the Agreement continues in effect, and is affirmed and ratified in each and every particular.

7. This Second Amendatory Agreement will not be effective or binding on the City until it has been fully executed by all required signatories of the City and County of Denver, and if required by Charter, approved by the City Council.

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[SIGNATURE PAGES TO FOLLOW]

Contract Control Number: DOTI-202054166-02[201627900-02]
Contractor Name: AECOM Technical Services, Inc.

IN WITNESS WHEREOF, the parties have set their hands and affixed their seals at
Denver, Colorado as of:

SEAL **CITY AND COUNTY OF DENVER:**

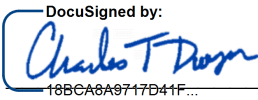
ATTEST: By: _____

APPROVED AS TO FORM: **REGISTERED AND COUNTERSIGNED:**
Attorney for the City and County of Denver
By: _____ By: _____

By: _____

Contract Control Number:
Contractor Name:

DOTI-202054166-02[201627900-02]
AECOM Technical Services, Inc.

By:  _____
18BCA8A9717D41F...

Name: Charles Dwyer
(please print)

Title: Sr. Operations Manager
(please print)

ATTEST: [if required]

By: _____

Name: _____
(please print)

Title: _____
(please print)

Exhibit B-1

CONSULTANT TEAM MEMBERS

Prime Consultant: AECOM Technical Services Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Experience Level	Rate/Hr.
Principal	Provides senior level client contact and service and is ultimately responsible for team performance	1	\$231
		2	\$252
		3	\$278
Contract Manager/ Sr. Project Manager	Plans and manages the project delivery process for large or complex projects	1	\$210
		2	\$231
		3	\$247
		4	\$263
Project Manager	Plans and manages the project delivery process for large or complex projects	1	\$147
		2	\$168
		3	\$189
		4	\$210
Staff Engineer	Prepare design criteria and design analysis reports, develops contract documents (Plans and specifications), develops opinions of cost, assist in pre-bid meetings, assist in contractor procurement and interface with client	1	\$121
		2	\$137
		3	\$158
		4	\$179
Project Assistant/Support Staff	Technician – level services involving the preparation of project deliverables (CADD or Word processing), graphics and project accounting	1	\$51
		2	\$64
		3	\$77
		4	\$87
		5	\$101
		6	\$111
		7	\$123
		8	\$134

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate:

2.8.

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction and travel costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducible, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERS

Firm Name: 105 West, Inc.

List **ALL** potential firm personnel titles/classification that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Director of Survey/Mapping	Manage Projects/Perform Boundary Survey work and ROW work	\$ 130.00
Project Surveyor	Manage Projects/day-to-day field operations and perform all surveying	\$ 105.00
Survey Technician	Perform all types of surveying required for project completion	\$ 85.00
Survey Crew (2-Man)	Perform field work and coordination	\$ 145.00
Survey Crew (1-Man)	Perform field work and coordination	\$ 120.00
Survey Crew (3-Man)	Perform field work and coordination	\$ 220.00
Administrative	Perform administrative duties	\$ 60.00
Party Chief	Perform field work and coordination	\$85
Instrument Operator	Assist Party Chief in performing field work and coordination	\$60

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.7

Unless expressly authorized by the City, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproductions, etc. are not included in the hourly rates, and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Apex Design, PC

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal	Contract management, general project oversight, quality review, railroad coordination, project design troubleshooting.	\$198.00
Senior Transportation Engineer	Preparation and/or quality control of engineering drawings, analyses, reports, specifications, engineering estimates for traffic elements, railroad coordination, parking analyses, and safety analyses.	\$188.00
Senior ITS Engineer	Preparation and/or quality control of engineering drawings, analyses, reports, specifications and engineering estimates for ITS elements.	\$188.00
Transportation Engineer	Preparation of engineering drawings, analyses, reports, specifications, engineering estimates for traffic elements, railroad coordination, parking analyses, and safety analyses.	\$146.00
Design Engineer	Assistance with preparation of engineering drawings, analyses, reports, specifications, engineering estimates for traffic elements, railroad coordination, parking analyses, and safety analyses.	\$105.00
EIT	Assist with engineering analyses, design and drafting services.	\$ 85.00
Project Administrator	Preparation of project billings, report preparation, and administrative assistance	\$105.00
Project Assistant	Word processing, report preparation, specifications, mailings, arranges meetings, and other administrative assistance.	\$ 75.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate:
approximately 2.8

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERS

Firm Name: BT Construction, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

[illegible]

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.17

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction and travel costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: CDM-Smith

List **ALL** potential firm personnel titles/classification that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Technical Director	Provides technical direction to the engineering and planning team.	225.00
Senior Engineer	Reviews documents produced by the engineering team. Coordinates various technical aspects of work.	200.00
Project Manager	Manages project scope, schedule and budget, coordinates staff resources.	180.00
Project Engineer	Leads the engineering aspects of the project. Directs staff engineers in execution of work.	160.00
Staff Engineer II	Performs work involving design /development, specifications, report preparation.	145.00
Staff Engineer I	Performs a variety of routine technical tasks using prescribed methods, performs specific and limited portions of a broader assignment	135.00
Senior Planner	Leads planning activities and coordinates various technical aspects of work.	150.00
Planner	Performs a variety of routine planning tasks using prescribed methods, performs specific and limited portions of a broader assignment	140.00
Senior Designer/Drafter	Directs drafting staff in CAD	135.00
Designer/Drafter	Computer aided drafting of drawings, maps, and figures	110.00
Admin/Contract Admin	Clerical and contract administration	90.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.1

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Civitas

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

[illegible]

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3_____.

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproductions, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERSFirm Name: Entitlement and Engineering Solutions, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
President	Oversight of technical merit, quality, schedule, and budget for all projects	\$232.00
Principal	Oversight of engineering design and quality; technical design direction	\$206.00
Senior Project Manager	Technical design direction; oversight of team; performs design tasks and quality reviews	\$170.00
Project Manager	Provide design direction; tracking of schedule, budget and project milestones	\$165.00
Senior Engineer V	Responsible for design direction and technical merit	\$159.00
Senior Engineer IV	Responsible for design direction and technical merit; performs design	\$145.00
Engineer III	Performs design and engineering calculations	\$139.00
Engineer II	Performs design and engineering calculations	\$132.00
Engineer I	Assist with the design and engineering calculations	\$126.00
Engineer Intern	Assist with the design and engineering calculations under the supervision of a licensed engineer	\$120.00
Designer	Designing, planning and execution of projects; advanced knowledge of CAD	\$126.00
Senior Drafter	Establishes and ensures drafting standards; performs drafting/design	\$120.00
CAD Technician	Performs drafting of technical drawings	\$107.00
Administrative Support	Support of non-technical tasks	\$97.00
Sr. Administrative Support	Oversight, direction and management of non-technical tasks; advanced skill required	131.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.93.

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERS

Key Personnel

Firm Name: Geocal

(Consultant may copy this page or modify it to conform to the services being offered)

Title/Classification	Responsibilities	Rate/Hr.
Principal-In-Charge/Project Manager	Oversees contract execution and management, client interaction, overall quality management and document control, insures that systems and processes are in-place, commits resources, negotiates and signs agreements. Provides high level expertise and oversee specific task orders that involve technical expertise in geotechnical engineering	\$210
Senior Project Manager	Manages geotechnical engineering projects for budget and technical content, helps author reports with design recommendations, provides technical guidance for staff, and interacts with the client for clarifications or additions to the scope of work.	\$180
Construction Manager	Construction Engineer provides plan reviews, analysis and approval of drawings, design engineering review, resident engineer, reviews plans and documents prepared by others, reviews construction schedule, pay requests.	\$160
Project Engineer	Technical position to provide analyses and report preparation for pavements, structures, programming of lab tests, interpretation of results and providing recommendations to the client on design and construction issues related to geotechnical and materials engineering. Assists with cross-hole sonic logging, other sonic echo tests, PDA results and other technical procedures to ensure quality. Registered PE to oversee construction inspection and materials testing.	\$120
Staff Engineer	Evaluates site characteristics with respect to design and construction, identifies geohazards and mitigation procedures, assists with site subsurface investigations, laboratory analyses, engineering analyses and report preparation.	\$90
Geologist	Conducts site subsurface investigations including stake borings, permitting, arranging for drilling and traffic control subcontractor, logs borings, research of site geology, sampling the soils, bedrock, and groundwater, and assist with report preparation	\$85
Operations Manager for Construction Services	Over sees construction quality services including inspections, materials testing, documentation including (local agency), checking resource allocation, calibration and field management	\$130
Laboratory Manager	Oversees the laboratory operations including AASHTO quality management, equipment calibration, training & records, and application of ASTM and AASHTO procedures for materials testing in the lab.	\$95
Construction Inspector	Provides onsite observations for traffic control, erosion control, material quantities, conformance with project design and specifications, and review of field test results, generally non-structural	\$85
Senior Construction Inspector	Provides inspection of more complicated structures, batch plant inspections, pre-cast and post-tensioning inspections, masonry and grout placement, fire proofing, caisson and pile installations, mostly structural	\$100
Materials Technician	Provides construction quality assurance testing, typically for soils, concrete and asphalt, but could include masonry prisms, grout, mortar, or other construction materials. Works with the contractor to determine testing needs and schedule of activity.	\$75
Senior Materials Technician/Technician Supervisor	Provides review of quality assurance testing for soils, concrete and asphalt, and other materials, interfaces with client and aids in trouble shooting materials issues, interprets test results for client. Schedules personnel, maintains resource allocation and assists with calibrations.	\$85

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.7751

SUB-CONSULTANT TEAM MEMBERSFirm Name: H.C. Peck & Associates, Inc.

List **ALL** potential firm personnel title/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

2016

Title/Classification	Responsibilities	Rate/Hr.
Principal	Overall project management; acquisition of property rights	140
Sr. Project Mgr.	Day to day project management; acquisition	120
Project Mgr.	Day to day project management; acquisition	110
Sr. ROW Agent	Acquisition	100
ROW Agent III	Acquisition	90
ROW Agent II	Acquisition; acquisition support	80
ROW Agent I	Acquisition; acquisition support	70
Support Staff	Acquisition support	60
Title Staff	Title work and curative; closings	111
	Hourly rates escalate 2.5% per calendar year.	

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: N/A.

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproductions, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERSFirm Name: Iron Horse Architects

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Chief Design Officer	Architect with a thorough knowledge of architecture who develops design standards and supervises design across the company	275.00
Senior Administrator	Oversees all administrative management of architectural projects	250.00
Principal	Architect with a thorough knowledge of architecture who develops design standards and supervises a design department	250.00
Senior Project Manager	Handles projects of the largest magnitude. Oversees and coordinates project efforts in order to ensure effective execution	225.00
Architect	Licensed architect who applies architecture principles and practices in a broad array of assignments and related fields.	175.00
Project Manager	Manages multiple small/medium projects, coordinates all aspects of assigned projects, and estimates scope of work	150.00
BIM Manager	Responsible for BIM and the digital Construction procedures at the design, construction and closeout stages of a project.	150.00
Jr. Architect	These newly licensed design professionals apply sound and diverse knowledge of architecture principles and practices in a broad array of assignments.	125.00
Job Captain	Unlicensed design professional, uses independent judgement in design evaluation, selection and modification	115.00
Project Administrator	Project Administrator plays a crucial role in the overall success of architectural projects, provides high level administrative support.	95.00
Architectural Intern	Full Time, entry level position, works from the design of others and performs routine architectural assignments.	85.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: Varies.

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction and travel costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducible, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERSFirm Name: NHN Consulting LLC

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Owner	Public Involvement; Public Relations, Government Relations.	\$145/hr
Public Engagement Support III	Public involvement, public relations, and government relations support.	\$125/hr
Public Engagement Support II	Public involvement; Spanish language communication and outreach support.	\$115/hr
Logistics and administrative support. Spanish language activities support.	Spanish language interpretation and general support during public activities. Logistics and administrative support.	\$85/hr

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 1.27

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction and travel costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERSFirm Name: Pinyon Environmental, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Expert Witness	Expert witness preparation and deposition	\$250
Principal Engineer/Scientist	Responsible for providing strategic direction, vision, and leadership. Performs senior-level QA/QC and conducts meetings and negotiations with regulatory and oversight agencies.	\$220
Senior Engineer/Scientist	Responsible for technical completeness and competency of all submissions and work performed, including performance of junior- and mid-level planners and scientists. Conduct and supervise professional and technical staff to complete studies focused on engineering, planning, NEPA evaluations, air quality, noise, biology, geology, chemistry and environmental science.	\$201
Senior Project Manager	Project management, including coordination of multi-disciplinary teams, preparing responses to agency questions, and facilitates project meetings with client and regulators. Develops project requirements, site investigations, facility requirements development, budget and programming support, analyses and project execution.	\$179
Project Manager	Directs the gathering of data and prepares complex reporting and analysis. Oversight of technical products and development of detailed studies related to NEPA, air quality, noise, environmental justice, biology, geology, chemistry and environmental science.	\$153
Project Specialist	Reports to Regulatory and Oversight Agencies, Preparation of Permits, GIS Library Development and Data Analysis, Technical Review of Documents	\$ 127
Project Engineer/Scientist	Phase I ESA Site Visits/Reporting, Interpretation of Data, Collection of Non-Field Data, Development of Logs and Maps, Pilot Testing, Biological and Wetland Field Mapping, Preparation of Reports to Clients, GIS Data Collection/Processing/Presentation, Asbestos Designer/Air Monitoring Specialist/Project Manager, Technical Review of Documents	\$110
Staff II Engineer/Scientist	Soil Logging, Monitoring Well Installation Oversight, Water-Level Surveying, Slug Tests, Field Oversight, Lead Driller, Miscellaneous Field Services, Asbestos Building Inspector	\$94
Staff I Technician	Groundwater Sampling, Sampling During UST Removals, Surveyor's Assistant	\$76
Drafting (Graphics)	AutoCAD, floor plans, elevations, sections, scale drawings, layering and concept design for architects and engineers. Duties may include configuring and maintaining CADD libraries, engineering documentation management systems and CADD computer network systems.	\$98
Project Assistant	Maintain Field Equipment, Data Management	\$86
Word Processing, Clerical	Word Processing, Clerical	\$67

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.01

REIMBURSABLE EXPENSESFIRM: Pinyon Environmental, Inc.

EXPENSE OR SERVICE	RATE	BILLING RATE
Dual Interface Probe	day	\$70.00
Groundwater level indicator	day	\$30.00
Photoionization Detector / FID or similar	day	\$75.00
Automated Samplers, Monitors, and Data Loggers	day	\$100
PID / FID / multi gas meter (or similar)	day	\$75.00
Groundwater sampling kit	day	\$201.00
Soil Sampling kit	day	\$315.00
Field Visits (General Projects [e.g., Phase I ESA])	Day	\$50.00
Field Visits (Wetland/Biology)	Day	\$50.00
Soil Logging (During Drilling)	Boring	\$105.00
Monitoring Well Development	Well	\$55.00
Monitoring Well Sampling	Well	\$67.00
Asbestos Sampling Kit (Building Inspections)	Day	\$45.00
Asbestos Air Monitoring Kit	Day	\$110.00
Pass Through Rate – Subcontractor Costs and Management		
All Subcontracted Services	Cost	Cost
Field Sampling and Investigation Supplies and Materials as preapproved by City and County of Denver Project Manager	Cost	Cost
Remediation Supplies and Materials as preapproved by City and County of Denver Project Manager	Cost	Cost
Bonding Rate	2.2%	

SUB-CONSULTANT TEAM MEMBERS**Firm Name: RESPEC CONSULTING**

List **ALL** potential firm personnel titles/classification that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal	Negotiates critical issues with top managers/clients. Assures technical, administrative staffing, scheduling requirements are met and is responsible for office performance.	\$180
Sr. Project Manager	P.E. with full responsibility for large, complex projects or a number of large projects. Generally reports directly to the firm's Principal. Typically possesses +15 years.	\$165
Project Manager	P.E. with major responsibility for technical performance. Possess diversified knowledge of engineering principles and practices. Typically possesses 10 - 15 years.	\$135
Project Engineer	P.E. working under general supervision, establishes basic design criteria and performs a variety of skilled professional engineering work. Typically possesses 4 -7 years.	\$115
Engineer	Receives supervision from experienced engineers on non-routine, complex projects and assignments. Typically possesses 2 - 4 years' experience.	\$100
Graduate Engineer	Entry-level new graduate engineer that uses prescribed methods to perform beginning level engineering assignments under the guidance of experienced engineers.	\$85
Designer	Establishes basic design criteria, performs calculations for design and does such with minimum supervision. Possess Associates degree or advanced technical training.	\$90
Administrative	Provides a wide variety of administrative and staff support services. Assists in preparation of records, budgets, and reporting changes to operations, labor, etc.	\$75
GIS Specialist	Designs, builds and maintains GIS applications including database design, data maintenance, research and mapping analysis; maintains software related to GIS.	\$90
Engineer Intern	College student pursuing degree in engineering . Under the direction of professional, performs project assignments to acquire relevant experience.	\$50

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.95

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproductions, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

SUB-CONSULTANT TEAM MEMBERSFirm Name: San Engineering, LLC

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Consultant may copy this page or modify it to conform to the services being offered.

Title/Classification	Responsibilities	Rate/Hr.
Civil Engineering Manager	Design/Management	\$130.00
Structural Engineering Manager	Design/Management	\$130.00
Senior Project Engineer	Design	\$120.00
Staff Engineer	Design/Production	\$115.00
Sr. CAD Drafter	Drafting/Design	\$105.00
Drafter	Drafting	\$95.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.53

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

- (1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.
- (2) Actual cost of reproducing and printing reports, drawings, specifications and other work products, and the associated cost for shipping and handling. These reimbursable expenses pertain only to requests made to the Consultant from the City, and exclude intra-office printing, scanning and reproduction required by the Consultant to complete the work.
- (3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.
- (4) Other costs negotiated at the Task Order Level.



STANDARD RATE SHEET

UNDERGROUND UTILITY LOCATING

Utility Locating of Privately-Owned Utilities and/or Engineered Utility Locating

Colorado, and surrounding areas : \$85. per hour, two hour minimum. Travel rate same.

Travel charge begins Outside of greater Denver Metro area
Per Diem charge for Overnight stays at geographical work areas \$180/Overnight

POTHOLING / HYDRO-EXCAVATION

Basic rate: \$180 per Hole soft surface + cost of traffic control, if needed
\$ 230 per Hole hard surface + cost of traffic control, if needed
Restoration: \$172.50 per hole.
Set Range Boxes, or other projects: charged per project basis + traffic control, if needed
1/2 Day rate and Full Day rates per project and ground conditions

HIGH ACCURACY UTILITY MAPPING

Utility Locating and Mapping of found utilities

\$185.00. per hour: includes utility locating, utility owner verification, and mapping.

Per Diem rates, travel charge, and traffic control: charged on a per project basis

Underground Consulting Solutions (UCS) does Travel out of area, and out of state for all the above work.

Will combine / bundle any combination of the above services.

For example, will Pothole + Map utility once open to daylight, Locate + Map, etc.

{Please call UCS for additional

UCS@totalspeed.net

(303) 904-7422

Revised 03-2016

SUB-CONSULTANT TEAM MEMBERSFirm Name: Valerian llc

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal	Provides leadership, oversees overall project & design	\$150.00/HR
Associate Principal	Oversees and provides design, quality control & budget management	\$115.00/HR
Associate	Provides oversight, lead design and review, sub-consultant coordination	\$100.00/HR
Project Designer I	Project support	\$80.00/HR
Project Designer II	Project support	\$85.00/HR
Project Designer III	Project support	\$90.00/HR
Irrigation Designer	Provides all irrigation design and coordination	\$100.00/HR
Office Manager	Clerical support, filing, submittal preparation, and other duties as assigned.	\$60.00/HR

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.00.

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SUBCONSULTANT TEAM MEMBERS**Firm Name: Zoeller Consulting, LLC**

List **ALL** potential firm personnel titles/classification that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Owner	Public Involvement public relations, governmental relations	\$135/HR
Public Engagement Support III	Public involvement, public relations, governmental relations support	\$120/HR
Public Engagement Support II	Public involvement, Spanish language communication and outreach support	\$105/HR
Spanish Language, Public Activities Support I	Spanish language interpretation, sign language interpretation, general support during public activities	\$75/HR

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 1.22

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproductions, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.