

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 **MULLER ENGINEERING COMPANY, INC.**, a Colorado corporation registered to do business in Colorado, whose address is 777 South Wadsworth Boulevard, Suite 4-100, Lakewood, Colorado 80226 (the “Consultant”), jointly “the Parties.”

RECITALS:

A. The Parties entered into an On-Call Engineering Services Agreement executed on or about February 14, 2017, and an Amendatory Agreement dated August 9, 2019, (collectively, the “Agreement”) for the performance of certain work set forth in that Agreement and **Exhibit A** thereto; and

B. Rather than enter into a new contract, the Parties desire to revise the terms and conditions of the Agreement as they previously existed and the Parties further desire to amend the Agreement to extend the term of the Agreement one year and add compensation in the amount of ONE MILLION DOLLARS (\$1,000,000.00) 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. All references to “...Exhibit B...” in the Agreement shall be amended to read: “...Exhibit B and B-1...” as applicable. The hourly rate schedules marked as Exhibit B-1 attached to this Amendatory Agreement is hereby incorporated by reference. The new rates shall be effective at time of amendment execution and shall only apply to new task orders issued after amendment execution.

2. All references to “...Exhibit C...” in the Agreement shall be amended to read: “...Exhibit C and C-1...” as applicable. The key professional personnel marked as Exhibit C-1 attached to this Amendatory Agreement is hereby incorporated by reference.

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

“3.05 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 **SEVEN MILLION DOLLARS AND NO CENTS (\$7,000,000.00)**. 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.”

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 February 15, 2017, and shall expire on February 14, 2022, 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. The term of this agreement may be extended for one additional year at the City’s sole discretion by written amendment.”

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

6. 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:
Contractor Name:

PWADM-201950781-[02] Alfresco 201631677-02
MULLER ENGINEERING COMPANY, 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:

PWADM-201950781-[02] Alfresco 201631677-02]
MULLER ENGINEERING COMPANY, INC.

By: 

Name: A. Gray Clark
(please print)

Title: President
(please print)

ATTEST: [if required]

By: 

Name: Derek D. Johns
(please print)

Title: Secretary
(please print)

Exhibit B-1

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Muller Engineering Company, 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.
Principal Engineer 3	Project principal-in-charge and provides project direction, technical advice and QA/Qc oversight.	\$215
Principal Engineer 2	Plans, designs and directs civil engineering projects and is specifically responsible for contract administration, project budgets & schedules.	\$205
Principal Engineer 1	Plans, designs and directs civil engineering projects and is specifically responsible for contract administration, project budgets & schedules.	\$197
Sr. Project Manager 9	Plans, designs and directs civil engineering projects, reports and construction schedules as well as directing and supervising other engineer's activities.	\$205
Sr. Project Engineer/Manager 8	Plans, designs and directs civil engineering projects, reports and construction schedules as well as directing and supervising other engineer's activities.	\$197
Sr. Project Engineer/Manager 7	Plans, designs and directs civil engineering projects and reports as well as directing technicians to convert designs to working drawings.	\$179/\$186
Sr. Project Engineer/Manager 6	Plans, designs and directs civil engineering projects and reports as well as directing technicians to convert designs to working drawings.	\$165/\$171
Environmental Planning Manager	Plans and directs multidisciplinary teams for environmental planning projects and reports applying knowledge of applicable regulatory and policy guidelines as well as directing and supervising others.	\$179
Construction Manager 5	Oversees construction related services for the construction phase of civil engineering projects.	\$146
Project Engineer 5	Uses computer engineering and design software to assist in the preparation of engineering and design documents.	\$146/155
Project Engineer 4	Uses computer engineering and design software to assist in the preparation of engineering and design documents.	\$137
Design Engineer 3	Engineering intern providing development-level engineering work using standard techniques and procedures.	\$125
Design Engineer 2	Engineering intern providing development-level engineering work using standard techniques and procedures.	\$113

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.053

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: Muller Engineering Company, 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.
Design Engineer 1	New graduate engineer intern providing beginning level of engineering work using standard techniques and practices.	\$102
Environmental Planner 2	Performs advanced aspects of environmental planning assignments applying knowledge of environmental planning principles and practices.	\$137
Environmental Planner 1	Performs routine aspects of environmental planning assignments applying knowledge of environmental planning principles and practices.	\$102
CAD Manager	Manages projects to assure conformance to client and engineering requirements. Provides technical advice, supervision and coordination to operators and designers.	\$144
Sr. Designer 3	Develops plans and prepares drawings, design and model requirements from conceptual information through construction documentation.	\$138
Sr. Designer 2	Establishes design criteria and performs engineering calculations for designs.	\$130
Designer 1	Provides technical engineering support for designing, planning and execution of projects.	\$122
GIS Specialist 2	Provides GIS data support services for civil engineering projects.	\$122
GIS Specialist 1	Provides GIS data support services for civil engineering projects.	\$102
CADD Operator 4	Provides drafting and plan reproduction services for engineers during the planning, design and construction of civil engineering projects.	\$112
CADD Operator 3	Provides drafting and plan reproduction services for engineers during the planning, design and construction of civil engineering projects.	\$102
CADD Operator 2	Provides drafting and plan reproduction services for engineers during the planning, design and construction of civil engineering projects.	\$92
CADD Operator 1	Provides drafting and plan reproduction services for engineers during the planning, design and construction of civil engineering projects.	\$81

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.053

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: Muller Engineering Company, 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.
Project Controller/ Administrator	Directs and is responsible for accounting practices, maintenance of fiscal records and the preparation of financial reports.	\$119
Project Coordinator	Provides project-specific support services.	\$95
Administrative Support	Provides a wide variety of administrative and staff support services.	\$83
Intern	College student in an engineering discipline who assists with project assignments under the direction of engineering professional.	\$64

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.053

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SUB-CONSULTANT TEAM MEMBERS

Firm Name: Apex Design, PC

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	Contract Management, general project oversight, quality review, public involvement participation, business engagement, and project design troubleshooting.	\$ 230.00
Senior ITS Engineer III	Full responsibility for large, complex projects or a number of large projects. Provides direction for ITS engineering drawings, analysis, preparation of specifications and engineering estimates.	\$ 214.00
Senior Transportation Engineer III	Full responsibility for large, complex projects or a number of large projects. Provides direction for transportation engineering drawings, analysis and report preparation, preparation of specifications and engineering estimates.	\$ 208.00
Senior Project Manager	Full responsibility for large, complex projects or a number of large projects. Provides direction for engineering drawings, analysis and report preparation, preparation of specifications and engineering estimates.	\$ 196.00
Senior Transportation Engineer II	Applies standard engineering techniques and procedures, professional judgment to make modifications or execute complex features or solutions on transportation projects.	\$ 170.00
Senior Civil Engineer	Manages and performs technical tasks, preparation of engineering drawings, analysis, reports and specifications.	\$ 156.00
Senior ITS Engineer	Preparation of ITS engineering concepts, analysis, report preparation, design, and preparation of specifications and engineering estimates. Directs EIT work tasks.	\$ 152.00
Senior Transportation Planner II	Project management, applies planning methods and procedures, professional judgment to make modifications or provide solutions on multimodal transportation projects. Public outreach, stakeholder engagement and consensus building.	\$ 148.00
Senior ITS Specialist	Providing technical expertise for traffic and ITS tasks, overseeing and delivering projects, field work, analysis, preparation of plans, specification, estimates, and schedules.	\$ 144.00
Senior Transportation Engineer	Preparation of traffic and transportation engineering analysis, design, and report preparation, preparation of specifications and engineering estimates. Directs EIT work tasks.	\$ 142.00
Transportation Engineer II	Preparation of engineering drawings, analysis and report preparation.	\$ 134.00
Construction Engineer II	Performs and supervises complex construction tasks. Professionally licensed with technical knowledge of engineering specifications and constructions quality requirements.	\$ 130.00

Construction Manager	Creates and manages construction schedules; Performs pre-and post-installation field reviews; shares lessons learned from installations, manages integration and testing in field.	\$ 126.00
Data Services Manager	Coordinates and collects traffic and transportation data. Reviews and summarizes data for use in engineering evaluations.	\$ 126.00
ITS Engineer	Preparation of engineering drawings, analysis and report preparation for ITS specific projects.	\$ 116.00
Transportation Engineer	Preparation of engineering drawings, analysis and report preparation.	\$ 116.00
ITS Construction Specialist	Providing field reconnaissance, remote support, design clarifications for ITS tasks, overseeing and delivering projects, field work, analysis, preparation of plans, specification, estimates, and schedules.	\$ 116.00
Senior Construction Inspector	Performs and supervises complex construction tasks. Thorough technical knowledge of testing requirements.	\$ 116.00
Senior TIM Coordinator	Manage and/or staff traffic management center	\$ 102.00
Transportation Planner	Preparation of technical analysis, data collection, GIS mapping, meeting and project graphics, and report preparation.	\$ 100.00
Engineer In Training (EIT) III	Performs engineering analysis, design and drafting assignments under the general direction of a licensed professional engineer.	\$ 100.00
EIT II	Performs engineering analysis, design and drafting assignments under the general direction of a licensed professional engineer.	\$ 92.00
Technical Specialist I	Field reconnaissance; design plans, specifications; typical details; cost estimating; remote support; design clarifications; field revisions; as-builts	\$ 90.00
EIT	Performs engineering analysis, design and drafting assignments under the general direction of a licensed professional engineer.	\$ 84.00
Construction Engineer	Performs and supervises complex construction tasks. Professionally licensed with technical knowledge of engineering specifications and constructions quality requirements.	\$ 82.00
Construction Inspector	Provides oversight of construction projects, monitoring progress and ensuring adherence to contract and subcontract terms, performance, quality requirements and engineering specification.	\$ 82.00
Data Analyst	Performs data analysis and reporting	\$ 80.00
Intern	Performs data collection, analysis, and drafting assignments under the direction of professional staff	\$ 50.00
Financial Manager	Responsible for QC of invoices and oversight of project financial management.	\$ 160.00
Project Administrator	Responsible for all accounting aspects of project.	\$ 124.00
Project Assistant	Performs word processing, report preparation, specifications, mailings and reproduction. Provides invoicing support and contract management.	\$ 90.00
Administrative Assistant	Performs word processing, report preparation, specifications, mailings and reproduction.	\$ 60.00

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 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: ArLand LLC DBA ArLand Land Use Economics

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 / Manager	Project manager, senior analyst	\$175
Sr. Associate	GIS, large database analysis	\$160
Associate	Research, analysis, technical writing	\$120

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

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SUB-CONSULTANT TEAM MEMBERS

Firm Name: Fox Tuttle Transportation Group, 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 II	Quality Control, Project Approach, Proj. Manager	\$210
Principal I	Quality Control, Staffing, Project Oversight	\$200
Sr. Transp. Engr.	Project Management, Professional Engineer	\$170
Transp. Engr II	Transportation Engineering, Project Support	\$155
Transp. Engr I	Transportation Engineering, Project Support	\$135
Sr. Transp. Planner	Project Management, Certified Planner	\$160
Transp. Planner II	Transportation Planning, Project Support	\$135
Transp. Planner I	Transportation Planning, Project Support	\$100
Administrative	Accounting, Invoicing, Office Administration	\$80
Field Technician	Field Data Collection	\$65

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.5 .

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SUB-CONSULTANT TEAM MEMBERS

Firm Name: GBSM, 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/CEO	Strategic oversight	\$345
Principal	Senior-level strategy and counsel	\$325
Senior Associate	Project strategy, management and execution	\$235
Associate	Project execution, graphic design	\$155
Client Support	Project maintenance and administration	\$75

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

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.

REIMBURSABLE EXPENSES

Sub-Consultant: GBSM, Inc.

The additional expenses of the consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications requested by the City.
4. Travel/transportation costs shall not be reimbursable by the City for Prime Consultants.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 1/2 x 11")	\$ <u>0.10</u> / each
Copies (8 1/2 x 14")	\$ <u>0.15</u> / each
Red-line copies	\$ <u>0.10</u> / S.F.
Reproducibles	\$ <u>0.15</u> / page

CONSULTANT TEAM MEMBERS
Key Personnel

Prime Consultant: **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 MEMBERS

Firm Name: Goodbee & Associates, 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	Directs all aspects of the firm's operations	\$185
Principal	Directs all aspects of the firm's operations	\$185
Project Manager III	Leads and reviews technical work	\$150
Project Manager II	Leads and reviews technical work	\$135
Project Manager I	Leads and reviews technical work	\$125
Landscape Architect (Principal)	Leads and reviews technical work	\$175
Landscape Architect III	Leads and reviews technical work	\$150
Landscape Architect II	Leads and reviews technical work	\$130
Landscape Architect I	Leads and reviews technical work	\$110
Designer III	Completes technical work under direction of a PM/LA	\$115
Designer II	Completes technical work under direction of a PM/LA	\$110
Designer I	Completes technical work under direction of a PM/LA	\$100
CAD II	Completes technical work under direction of a PM/LA	\$100
CAD I	Completes technical work under direction of a PM/LA	\$80
Administrator	Bookkeeping and general administration	\$110
Administrative Assistant	General administration	\$80

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

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SUB-CONSULTANT TEAM MEMBERS

Firm 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.

Title/Classification	Responsibilities	Rate/Hr.
Principal	Overall project management; acquisition of property rights	162
Sr. Project Mgr.	Day to day project management; acquisition	138
Project Mgr.	Day to day project management; acquisition	128
Sr. ROW Agent	Acquisition	116
ROW Agent III	Acquisition	105
ROW Agent II	Acquisition; acquisition support	92
ROW Agent I	Acquisition; acquisition support	82
Support Staff	Acquisition support	70
Title Staff	Title work and curative; closings	132

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

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REIMBURSABLE EXPENSES

Subconsultant: H.C. Peck & Associates, Inc.

The additional expenses of the consultant reimbursable by the City AT COST shall include:

Courthouse copies

Document copies obtained through SKLD

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Harris Kocher Engineering Group, Inc. DBA Harris Kocher Smith

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	Primary survey contact, manages project schedule and budget	\$195.00
Associate Principal	Alternate survey contact, manages project schedule and budget	\$175.00
Survey Manager	Licensed surveyor in charge of mgmt of survey projects and mgrs	\$155.00
Survey Project Mgr	Licensed surveyor in responsible charge of project	\$130.00
Construction Survey Mgr	Management of survey construction staking projects	\$130.00
Project Surveyor	Drafting, calculations, written property descriptions	\$110.00
Two Person Crew	Survey field work	\$180.00
One Person Crew	Survey field work	\$140.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.0 .

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SUB-CONSULTANT TEAM MEMBERS

Firm Name: IDAX DATA SOLUTIONS

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	Vision, Business Development, Contracts, Quality Control	\$ 195.00
OPERATIONS MANAGER	Office Operations, Project Management, Quality Control, Contracts, Business Development	\$ 130.00
PROJECT MANAGER	Implementing & Coordinating Projects, Scoping, Scheduling, Quality Control, Processing	\$ 90.00
FIELD TECHNICIAN	Deploying & Retrieving Equipment, Field Collection, Equipment Maintenance, Processing	\$ 70.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 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: Mundus Bishop Design, 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.
Principal	Project lead, oversight, quality assurance	\$170/hr
Project Manager	Project management	\$130/hr
Sr. Landscape Architect	Lead project design	\$120/hr
Senior Planner	Lead project planning	\$120/hr
Landscape Architect	Planning and design	\$100/hr
Landscape Designer	Production, renderings, specifications	\$85/hr
Graphics Technician	GIS, AutoCad drawings, graphics	\$90/hr
Administrative	Clerical	\$70/hr

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.3.

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SUB-CONSULTANT TEAM MEMBERS

Firm Name: Pinyon Environmental

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.
Principal/ Executive Management	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
Project Manager II	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 Specialist	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 Engineer/ Scientist	Conducts data analysis and input, field data gathering, miscellaneous field services related to engineering, NEPA, air quality, noise, geology, chemistry and environmental science, and writes descriptive technical reports.	\$ 127
Staff II Engineer/ Scientist	Conducts the collection and initial interpretation of scientific data, such as soil logging, soil and groundwater sampling, water-level surveying, scientific data, noise or air measurements.	\$117
Staff I Technician/ Project Assistant	Data management and administrative support, maintain field equipment; administrative contract control.	\$94
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
Field Technician/ Project Assistant	Maintain Field Equipment, Data Management	\$86
Clerical	Word Processing, Clerical	\$67

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

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.

REIMBURSABLE EXPENSES

FIRM: Pinyon Environmental, Inc.

EXPENSE OR SERVICE	RATE	BILLING RATE
Dual Interface Probe	day	\$70.00
Groundwater level indicator	day	\$30.00
Automated Samplers, Monitors, and Data Loggers	day	\$100
PID / FID / multi gas meter (or similar) (each)	day	\$75.00
Groundwater sampling kit	day	\$201.00
Soil Sampling kit	day	\$315.00
Rental Vehicle	day	Cost
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: RockSol Consulting Group, 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.
Sr. Project Manager	Oversee project; manage RockSol Services	\$228.90
Sr. Transportation Manager	Oversee projects	\$198.50
Sr. Project Engineer	Provide guidance on projects, manager junior engineers	\$183.80
Sr. Structural Engineer	Manage bridge/structure unit, oversee bridge/structure design	\$201.60
Structural Engineer	Develop bridge/structure design	\$123.90
Sr. Geotechnical Engineer	Manage geotechnical unit, oversee geotechnical services	\$198.50
Senior Geologist	Develop drilling programs, prepare geotechnical reports	\$132.30
Staff Engineer	Develop design, conduct field inspections	\$121.80
Engineer-in-Training III	Develop transportation design, conduct field inspections	\$110.30
Engineer-in-Training II	Develop transportation design, conduct field inspections	\$101.90
Engineer-in-Training I	Develop transportation design, conduct field inspections	\$86.10
Engineering Student Intern	Train in field and design units	\$60.90
Environmental Manager	Manage environmental unit, prepare environmental reports	\$150.20
Environmental Specialist II	Conduct field investigatins; prepare environmental reports	\$113.40
Environmental Specialist I	Conduct field investigatins; prepare environmental reports	\$96.60
Const. Mgr/Inspector IV	Provide construction management & inspection services	\$156.50
Const. Mgr/Inspector III	Provide construction management & inspection services	\$129.20
Const. Mgr/Inspector II	Provide construction management & inspection services	\$99.80
Const. Mgr/Inspector I	Provide construction management & inspection services	\$83.50

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.75.

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: RockSol Consulting Group, 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.
Technician III	Oversee laboratory and field materials testing	\$104.80
Technician II	Provide materials testing services	\$89.30
Technician I	Provide materials testing services	\$67.70
Design Technician III	Develop transportation design in CAD	\$115.50
Design Technician II	Develop transportation design in CAD	\$96.60
Design Technician I	Develop transportation design in CAD	\$68.30
Graphic Designer	Develop graphic work for public involvement/stakeholder materials	\$98.70
Project Control/Admin	Provide accounting/invoicing services	\$95.60

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.75.

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SUB-CONSULTANT TEAM MEMBERS

Firm Name: Surveying And Mapping, 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.
One (1) Person Crew	One (1) Person working alone as a Survey Crew	\$120.00
Two (2) Person Crew	Two (2) People working together as a Survey Crew	\$175.00
Field Coordinator	Survey Field Crew Coordinator	\$120.00
Laser Scanner Technician	Scanner Field/Office Technician	\$135.00
Principal	Office Manager	\$220.00
Senior Project Manager	Senior Department/Project Manager - supervises staff	\$195.00
Senior Staff	Senior Staff Surveyor - calculates boundaries	\$175.00
Project Manager	Project Manager - manages schedules and budgets	\$155.00
Engineer II	Engineer - Subsurface Utility Engineering(SUE)	\$130.00
Prof. Land Surveyor(Project Surveyor/PLS)	Licensed surveyor making boundary decisions	\$125.00
Engineer I	Engineer - making project related decisions for SUE projects	\$110.00
Senior Technician	Office Technician - makes project/budget decisions with aide of PLS or PE	\$115.00
Engineering Technician	Office Technician - makes project decisions with aide of PE	\$95.00
Survey Technician	Office Technician - CADD Operator	\$95.00
Admin/Clerical	Office Assistant	\$90.00
One Person Designating Crew	One person crew designating subsurface utilities	\$125.00
Two Person Designating Crew	Two person crew designating subsurface utilities	\$225.00
Two Person Vacuum Excavation Crew	Two person vacuum excavation crew - subsurface utilities	\$267.00
Three Person Vacuum Excavation Crew	Three person vacuum excavation crew - subsurface utilities	\$332.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.92.

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: **Surveying And Mapping, 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.
SUE Field Supervisor	SUE field supervisor	\$132.00
sUAS Pilot	Licensed unmanned aircraft pilot	\$140.00
sUAS Pilot & Observer	Licensed unmanned aircraft pilot and visual observer	\$235.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: **2.92** ____.

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: TRIUNITY, 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.
Administration Support	Administration and Clerical Support	\$85.00
Civil Engineer Lead	Civil design	\$188.00
Civil Engineer 2	Civil design	\$170.00
Civil Engineer 1	Civil design	\$145.00
Civil/Structural Inspector Lead	Civil/Structural Field Inspections	\$155.00
Civil/Structural Inspector 2	Civil/Structural Field Inspections	\$132.00
Civil/Structural Inspector 1	Civil/Structural Field Inspections	\$112.00
Construction Manager	Construction Phasing, Constructability Reviews	\$175.00
Construction Safety	Construction Field Safety	\$117.00
Drafting Lead	CAD & Drafting	\$115.00
Drafter 1	CAD & Drafting	\$95.00
Electrical Engineer Lead	Electrical and Systems Engineering	\$250.00
Electrical Engineer 2	Electrical and Systems Engineering	\$210.00
Electrical Engineer 1	Electrical and Systems Engineering	\$175.00
Electrical Inspection Lead	Electrical Field Inspections	\$170.00
Electrical Inspection 2	Electrical Field Inspections	\$145.00
Electrical Inspection 1	Electrical Field Inspections	\$115.00
ITS/Traffic Senior	Traffic and ITS Design and Analysis	\$210.00
ITS/Traffic Engineer 2	Traffic and ITS Design and Analysis	\$170.00
ITS/Traffic Engineer 1	Traffic and ITS Design and Analysis	\$125.00
ITS/Traffic EIT	Traffic and ITS Design and Analysis	\$85.00
Project Controls Manager	Project Management, Project Controls Lead	\$220.00
Project Controls 2	Scheduling, Estimating, Contract Admin	\$175.00
Project Controls 1	Scheduling, Estimating, Contract Admin	\$125.00
Project Controls Support	Scheduling, Estimating, Contract Admin	\$90.00
Project Manager Senior	Project Management Functions	\$255.00
Project Manager 2	Project Management Functions	\$190.00
Project Manager 1	Project Management Functions	\$140.00
Scheduler	Scheduling	\$125.00
Utility Coordinator Lead	Utility Coordination	\$185.00
Utility Coordinator 2	Utility Coordination	\$160.00
Utility Coordinator 1	Utility Coordination	\$130.00

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

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:

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SUB-CONSULTANT TEAM MEMBERS

Firm 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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SUB-CONSULTANT TEAM MEMBERS

Firm Name: Yeh and Associates, 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.
Principal	Ensure project receives all needed support. Review Schedule, budget.	\$205.00
Senior Project Manager	Responsible for day to day management of project	\$185.00
Project Manager	Responsible for day to day management of limited scope projects	\$156.00
Sr. Engineer/Geologist	Performs engineering/geological investigations.	\$135.00
Project Engineer/Geologist	Performs investigations, prepares reports.	\$115.00
Staff Engineer/Geologist	Performs calculations, sketches, checks drawings supplied by others.	\$100.00
Engineer or Geologist Intern	Performs calculations, sketches, and work with the supervision a engineer.	\$62.00
Resident Construction Engineer	Responsible for managing, scheduling, and delivering construction projects. Licensed	\$180.00
Construction Manager	Responsible for day to day management of limited scope projects Non-licensed	\$155.00
Construction Observer 3	Inspects construction, submits daily field reports.	\$125.00
Construction Observer 2	Provide Construction Inspection services, written field reports	\$110.00
Construction Observer 1	Provide Construction Inspection services, written field reports	\$99.00
Technician Leader/Supervisor	Provides quality control for field project documentation	\$130.00
Laboratory Supervisor	Organizes and oversees all lab activities for materials testing.	\$110.00
Technician 3	Conducts tests on soils, concrete, asphalt. Fully certified	\$88.00
Technician 2	Samples and tests asphalt, concrete, aggregate, and soils.	\$79.00
Technician 1	Samples and tests asphalt, concrete, aggregate, and soils.	\$65.00
Graphics/CAD specialist	Prepares conceptual studies and designs	\$130.00
Cad Technician	Prepares studies and designs into electronic files	\$80.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.83.

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.
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Attachment 2

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Iron Horse Architects, 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.
Architectural Intern	Produces architectural design and construction drawings.	\$73.45
Job Captain	Leads the production of the architectural design and construction drawings. Job Captain may lead the Construction Observation role for the project with supervision from the Project Architect	\$91.81
BIM Manager	Provides technical support to maintain drawing standard consistency and implementation of Building Information Modeling to produce the agreed upon level of reporting, analysis, and imagery.	\$96.40
Jr Architect	Oversees the architectural aspects of the building code compliance, development of the design, production of construction documents and specifications. Coordinates the architectural work with that of the engineering consultants. Provides oversight and assistance to the Job Captain during Construction Observation phase.	\$113.23
Sr Architect	Reviews drawings and specifications for technical detailing coordination and consistency. Coordinates design drawings with contractors to maintain constructible details in conjunction with current industry means and methods as well as manufacturer standards. Provides technical assistance to the Job Captain during Construction Observation phase.	\$156.07
Project Manager	Oversees design team and consultants, Project Manager is the main point of contact for the owner. Manages drawing progress and reviews drawings and specifications for Quality Control and scheduled progress. Tracks budget and scope per the agreed upon contract.	\$160.67
Principal	Provides Quality Control and project oversight.	\$232.59
Controller	Responsible for all billing information related to the project.	\$124.13
Project Assistant	Assists Project Architect and Manager with document formatting, file formatting and project organization.	\$79.57

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

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.
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- (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. .

SUB-CONSULTANT TEAM MEMBERS

Firm Name: SSG MEP, 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.
Principal	Principal in Charge, responsible for establishing overall goals and objectives and coordinating implementation plans. Is responsible for overall project goals and technical design.	\$175
Project Manager	Responsible for administering all phases of project through construction. Has primary responsibility for budgeting, scheduling, planning, design, specification, and working drawings on a given project with authority to direct, control, and monitor all activities.	\$145
Senior Engineer	Fully competent engineer in all conventional aspects of subject matter or functional area of assignments; plans and conducts work requiring judgment in independent evaluation, selection, and substantial adaptation/modification of standard techniques, procedures, and criteria.	\$145
Staff Engineer	Works under close supervision; receives specific and detailed instructions for required tasks and results expected. Performs a variety of routine tasks, which provide experience and familiarity with engineering staff, methods, practices, and programs.	\$120
Designer	Has diversified design experience and ability to perform work of greater complexity with minimal supervision. Normally has 10 years of drafting and design experience.	\$100
CAD/BIM Drafter	Junior-level individual with some specialized technology relating to CAD or engineering such as Associates Degree or CAD Drafter 1 experience. Copies detailed plans and drawings.	\$85
Business Manager	Responsible for handling office administrative support activities (i.e., human resources, purchasing, facilities maintenance, leasing, clerical support, etc.). Also serves as Accounting Manager in coordinating all accounting functions.	\$100
Clerical	Primary responsibility is answering phones, filing, incidental typing and/or routine clerical work as assigned.	\$60

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.3143

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:

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SUB-CONSULTANT TEAM MEMBERS

Firm Name: White Bear Ankele Tanaka & Waldron

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.
Senior Attorney	Responsible for completing work, oversee and review work of associate & paralegal	\$ 350.00
Associate Attorney	Performs majority of billable work	\$ 190.00
Paralegal	Administrative work such as drafting simple documents, court filing etc	\$ 145.00

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

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:

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Exhibit C-1

Attachment 2**MULLER ENGINEERING - LIST OF KEY PERSONNEL**

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Principal Engineer 3	Gray Clark
Principal Engineer 2	Matt Andrews Jim Wulliman
Sr. Project Manager 9	Bruce Behrer Karl Buchholz Dean Harris
Sr. Project Engineer/Manager 8	Bob Fearnis Glenn Hamilton Randy Jensen Derek Johns Joe Juergensen Chris Kroeger Nancy Lambertson Jason Osaki Chris Sheffer
Sr. Project Engineer/Manager 7	Nate Algoe Karen Fuhr Steve Gabriszeski Steve Hibbeler Steven Humphrey Michelle Morgan Audrey Rogers Carlos Sala Jonathon Sera John Yager
Sr. Project Engineer/Manager 6	Bryan Beckner Tracy Bolger Melanie Chenard Brad Florentin Matt Gardella John Hausman Sara Johnson Mike Levasseur Geoff Mestas Andy Pultorak Kenneth Ryan Brian Scott
Environmental Planning Manager	Kelly Maiorana
Construction Manager 5	Adam Dungan
Project Engineer 5	Taylor Barnett Steven Buckley Kate Dewey Ale Ferrufino Whitney Guerin John Mower Mark Nyhoff Sam Rogers Jayme Rubley Chris Sheehan Ryan Taylor Emily Tyler Jamie Vestad Wendi VanWoerkom Jeff Wulliman

Attachment 2**MULLER ENGINEERING - LIST OF KEY PERSONNEL**

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Project Engineer 4	Shelby Berke Chris Chamberlin Melissa Cook Josh Gregg Danny Hellrung JP McFarren Grace Schlager Emily Sedbrook Molly Sullivan Spencer Wells
Design Engineer 3	Kelsey Czyzyk Nick Doss McKenna Hauschild Diego Mosquera Nadia Naji Jackie Perez Geno Ryken Katy Shaneyfelt Trenna Terrill Sara Trout Natalie Youngblood
Design Engineer 2	Hannah Chin Kachayla Cronk Michelle Daytner Matthew Denhard Jessica Emmerson Aimee Mahoney Johnny Pham Christie Ritter Megan Scott Chelsea Stern Trevor Wages
Design Engineer 1	Lia Clark Marie Dela Cruz Tess Ellender Athena Gomez Rachael Larson Andrew Licalsi Alex Liston Ben Skaflen Richard Spann Zach Sunderhuse
Environmental Planner 2	Tina Brazil
Environmental Planner 1	Maddy Green
CAD Manager	Candy Juntunen
GIS Specialist 2	Jason Campbell
GIS Specialist 1	Michael Carlson
Sr. Designer 2	Tony Davis
Designer 1	Joe Duran Leah Rotella
Technician/CADD Operator 4	David Chowning Rob Wanous

Attachment 2

MULLER ENGINEERING - LIST OF KEY PERSONNEL

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Technician/CADD Operator 3	Matthew Bunner Sarah Daley Anthony Dargay Sarah Doe David Duvall Peter Pecchia Carrie Sedeski
Technician/CADD Operator 2	Kevin White
Project Controller/Administrator	Mandy Sierra
Project Coordinator	Laura Barnick Michelle Martin
Administrative Support	Amber Gregg Mara McGuin Rebekah Rabon
Intern	Thomas Dean

Attachment 2

APEX DESIGN - LIST OF KEY PERSONNEL

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

<u>PERSONNEL CLASSIFICATION</u>	<u>NAME OF INDIVIDUAL</u>
<u>Principal</u>	<u>Melissa Rosas</u>
<u>Principal</u>	<u>Scott Thomas</u>
<u>Senior ITS Engineer III</u>	<u>Kenneth DePinto</u>
<u>Senior Transportation Engineer III</u>	<u>Alexander Larson</u>
<u>Senior Transportation Engineer III</u>	<u>Ben Waldman</u>
<u>Senior Transportation Engineer III</u>	<u>Jeff Ream</u>
<u>Senior Project Manager</u>	<u>Jeff Lancaster</u>
<u>Senior Transportation Engineer II</u>	<u>Anthony Hurd</u>
<u>Senior Transportation Engineer II</u>	<u>Malinda Reese</u>
<u>Senior Transportation Engineer II</u>	<u>Shane Binder</u>
<u>Senior Civil Engineer</u>	<u>Jessica Burch</u>
<u>Senior ITS Engineer</u>	<u>Jason Duffy</u>
<u>Senior Transportation Planner II</u>	<u>Josh Mehlem</u>
<u>Senior Transportation Planner II</u>	<u>Jessica Hernandez</u>
<u>Senior ITS Specialist</u>	<u>Matt Rickard</u>
<u>Senior Transportation Engineer</u>	<u>Diana McHale</u>
<u>Transportation Engineer II</u>	<u>Gabrielle Renner</u>
<u>Transportation Engineer II</u>	<u>Steven Marfitano</u>

Attachment 2

APEX DESIGN - LIST OF KEY PERSONNEL

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

<u>PERSONNEL CLASSIFICATION</u>	<u>NAME OF INDIVIDUAL</u>
<u>Construction Engineer II</u>	<u>Christopher Santorno</u>
<u>Construction Manager</u>	<u>Eric Fuller</u>
<u>Construction Manager</u>	<u>Ryan Boothe</u>
<u>Data Services Manager</u>	<u>Nathaniel Warren</u>
<u>Senior Construction Inspector</u>	<u>David Judy</u>
<u>Senior Construction Inspector</u>	<u>Michael Comstock</u>
<u>ITS Engineer</u>	<u>Kimberly Osaki</u>
<u>Transportation Engineer</u>	<u>Elliott Heckler</u>
<u>Transportation Engineer</u>	<u>Ryan Kelzenberg</u>
<u>ITS Construction Specialist</u>	<u>Arthur Gogo</u>
<u>Senior TIM Coordinator</u>	<u>Jerry Mayo</u>
<u>EIT III</u>	<u>Alyssa Shomion</u>
<u>EIT III</u>	<u>Arnold Fisher</u>
<u>EIT III</u>	<u>David Murie</u>
<u>EIT III</u>	<u>Michael Duesterbeck</u>
<u>Transportation Planner</u>	<u>Angela Urrego</u>
<u>Transportation Planner</u>	<u>Stephanie Ball</u>
<u>EIT II</u>	<u>Danit Hudson</u>

Attachment 2

APEX DESIGN - LIST OF KEY PERSONNEL

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

<u>PERSONNEL CLASSIFICATION</u>	<u>NAME OF INDIVIDUAL</u>
<u>EIT II</u>	<u>Scott Goetz</u>
<u>Technical Specialist I</u>	<u>Cameron Fletcher</u>
<u>EIT</u>	<u>José Benitez</u>
<u>EIT</u>	<u>So Young (Gabi) Choi</u>
<u>EIT</u>	<u>Zach Johnson</u>
<u>Construction Engineer</u>	<u>Nishant Netala</u>
<u>Construction Inspector</u>	<u>Brandon Martinez</u>
<u>Construction Inspector</u>	<u>Christopher Carrillo</u>
<u>Construction Inspector</u>	<u>Christopher Goodrich</u>
<u>Data Analyst</u>	<u>Matt Mitchell</u>
<u>Financial Manager</u>	<u>Kristine Thomas</u>
<u>Project Administrator</u>	<u>Cassady Osterweil</u>
<u>Project Administrator</u>	<u>Lou Ann Hight</u>
<u>Project Assistant</u>	<u>Alaina Groat</u>
<u>Project Assistant</u>	<u>Anna Lundin</u>
<u>Project Assistant</u>	<u>Paula Gibbs</u>
<u>Administrative Assistant</u>	<u>Katherine Castellarin</u>
<u> </u>	<u> </u>

Attachment 2

H.C. PECK - LIST OF KEY PERSONNEL

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
<u>Principal</u>	<u>Lee Hamre</u>
<u>Principal</u>	<u>J Parker</u>
<u>Sr. Project Manager</u>	<u>Leslie DeLuca</u>
<u>Sr. Project Manager</u>	<u>Magaly Fernandez</u>
<u>Sr. Project Manager/Sr. ROW Agent</u>	<u>Ron Lorenz</u>
<u>Sr. ROW Agent</u>	<u>Jerry Kanter</u>
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Attachment 2

HARRIS KOCHER SMITH - LIST OF KEY PERSONNEL

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Principal	George Smith, Jr., PLS
Associate Principal	Aaron Murphy, PLS
Survey Project Manager	Mike Romero, PLS
Construction Survey Manager	Josh Smith
Project Surveyor	Kirk Woltemade
Two Man Crew	Randy Gardine, PLS & Jared Pratt
One Man Crew	Kody Semora

Attachment 2

IDAX - LIST OF KEY PERSONNEL

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Chief Executive Officer	Scott Lee
Chief Operating Officer	Mark Skaggs
Operations Manager	TJ Wethington
Project Manager	Kris Litman
Field Technician	Daniel Eagle
Field Technician	Neil Barrett

Attachment 2
LIST OF KEY PERSONNEL
PINYON ENVIRONMENTAL

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

PERSONEL CLASSIFICATION	NAME OF INDIVIDUAL(S)
Principal Engineer/Scientist	Lauren Evans
Senior Engineer/Scientist	Brian Partington, Amy Kennedy
Senior Project Manager	Brian Myller, Robyn Kullas
Project Manager	Kate Turner, Tim Grenier
Project Specialist	Chris Rolison
Project Engineer/Scientist	Rachel Tometich
Staff II Engineer/Scientist	Rachel Hernandez
Staff I Technician	Prince Oliver
Drafting (Graphics)	Stanley Adamitis
Project Assistant	Matt Siegel
Word Processing, Clerical	Bianca Morse

Attachment 2

ROCKSOL - LIST OF KEY PERSONNEL

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

<u>PERSONNEL CLASSIFICATION</u>	<u>NAME OF INDIVIDUAL</u>
<u>Sr. Project Manager</u>	<u>Bill Schiebel, PE</u>
<u>Sr. Project Manager</u>	<u>Matt Wessell, PE</u>
<u>Sr. Transportation Manager</u>	<u>Abe Lavassani, PE</u>
<u>Sr. Transportation Manager</u>	<u>Stephany Westhusin, PE</u>
<u>Sr. Structural Engineer</u>	<u>Martin Merklinger, PE</u>
<u>Structural Engineer</u>	<u>Brendan McGuire, PE</u>
<u>Structural Engineer</u>	<u>Derek Adams, PE</u>
<u>Structural Engineer</u>	<u>Austin Dada, PE</u>
<u>Sr. Geotechnical Engineer</u>	<u>Don Hunt, PE</u>
<u>Sr. Geotechnical Engineer</u>	<u>Jay Goldbaum, PE</u>
<u>Senior Geologist</u>	<u>Ryan Lepro, PG (CO)</u>
<u>Engineer-in-Training III</u>	<u>Rudy Parks, EIT</u>
<u>Engineer-in-Training II</u>	<u>Jacob Sphatt, EIT</u>
<u>Environmental Manager</u>	<u>Jennifer Gorek</u>
<u>Environmental Specialist II</u>	<u>Jovonna Kirkling</u>
<u>Enviornmental Specialist I</u>	<u>Eveline Vega-Ferrales</u>
<u>Technician III</u>	<u>Dean Semus</u>
<u>Technician II</u>	<u>Brad Johnson</u>
Design Technician III	Dennis Gonzales
Design Technician II	Steven Austin
Design Technician I	Jacob Larsen
Project Control/Admin	Rebecca Lenart

Attachment 2

SURVEYING & MAPPING - LIST OF KEY PERSONNEL

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
One (1) Person Crew	Aaron Yielding, James Province, Chris Lang
Two (2) Person Crew	Combination of the above One Person Crew
Field Coordinator	Randy Loveless
Laser Scanner Technician	Aaron Yielding, Chris Lang & James Province
Principal	Devon Arnold
Senior Project Manager	Dave Stewart, Basil Hanson, Tim Sullivan, Bill Adams, Brad Oswald
Senior Staff	
Project Manager	Corey Guerrero, Mark Treon, & Nate Vanraemdonck
Engineer II	
Prof. Land Surveyor(Project Surveyor/PLS)	
Engineer I	
Senior Technician	Chris Miniello, Martin Jones, Jeff Trizinsky, Shawna Taulman and Frank Leitz
Engineering Technician	Joseph Leary, Meagan Eastin, Lena Gibbs, Kaleigh Nabb, Trevor Harris
Survey Technician	Thomas Rigo & Joe McNeely
Admin/Clerical	Jamie Suchey
One Person Designating Crew	Preston Dunn, Jerred Hurt, Joseph Jones, Dorsey Johnson, Tayler Lane, Max Maldonado, Joshua McCracken
Two Person Designating Crew	Combination of the above one person designating crew
Two Person Vacuum Excavation Crew	Combination of the above one person designating crew
Three Person Vacuum Excavation Crew	Combination of the above one person designating crew

**Attachment 2
TRIUNITY - LIST OF KEY PERSONNEL**

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Electrical Engineer 2	Alex Kelly
Project Controls 2	Andrew Kean
ITS/Traffic Senior	Bill Kascek
ITS/Traffic Engineer 1	Clayton Brown
Project Manager 1	Colby Childs
Project Controls 1	Courtney Reuer
Project Manager Senior	Danielle Smith
Civil/Structural Inspector 2	Dave Lewis
Electrical Engineer 1	Dean Erickson
Civil/Structural Inspector Lead	Don Cabrera
Construction Manager	John Tryba
Drafting Lead	John Gonzales
Electrical Engineer Lead	Jonnie Thomas
Utility Coordinator Lead	Kurt Snitker
Project Controls 1	Lukas Schroeder
ITS/Traffic EIT	Matt Pollard
Project Manager 2	Matt Olley
Electrical Engineer 1	Michelle Stelly
Project Manager 2	Mike Kuyper
Project Manager Senior	Mike Peek
Project Controls 2	Monte Menard
Project Controls 1	Nadia Soto
Administration Support	Neasha Haynes
Drafting Lead	Raymond Current
Electrical Engineer 1	Richard Hensel
Administration Support	Romero Monica
Utility Coordinator 1	Ryan Stroh
Project Manager Senior	Gary Atchinson
Project Controls 2	Tim Kamper
Project Controls Support	Caleb Flack
Project Manager Senior	Jane Donovan
Project Controls 1	Jeff Scherlis
Scheduler	Lisa Reich

