

## 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 whose address is 777 South Wadsworth Boulevard, Suite 4-100, Lakewood, Colorado 80226-4331 (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 Amending Agreement and shall only apply to new task orders issued after execution of this Second Amending 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: Muller Engineering Company, Inc.  
777 South Wadsworth Boulevard, Suite 4-100  
Lakewood, Colorado 80226-4331”

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-202054161-02[201627885-02]  
**Contractor Name:** 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:**

DOTI-202054161-02[201627885-02]  
MULLER ENGINEERING COMPANY, INC.

By:  \_\_\_\_\_  
4457756D711C45F...

Name: A. Gray Clark  
(please print)

Title: President  
(please print)

ATTEST: [if required]

By: \_\_\_\_\_

Name: \_\_\_\_\_  
(please print)

Title: \_\_\_\_\_  
(please print)

**CONSULTANT TEAM MEMBERS**PRIME CONSULTANT: 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.

### CONSULTANT TEAM MEMBERS

PRIME CONSULTANT: 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

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**CONSULTANT TEAM MEMBERS**

PRIME CONSULTANT: 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: 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: AZTEC Engineering, Group 3/27/2020

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 Lead Colorado	Projects/Group Oversight	\$180.00
Project Manager 2	Field manager, project manager, reports	\$165.00
Project Manager 1	Field coordination, task coordination	\$99.11
Engineer Locates 2	Field utility supervisor, designator	\$160.00
Engineer Locates 1	Field utility designator	\$125.00
SUE Professional Eng. 2	Senior Engineer Quality Control	\$242.00
SUE Professional Eng. 1	Responsible Engineer of Record	\$200.00
CADD Designer 2	Creates CAD files/work	\$120.00
CADD Designer 1	Junior CAD Drafter	\$82.42
Potholes 1-10	Unit Cost	\$660.00
Potholes 11-30	Unit Cost	\$632.00
Potholes 31+	Unit Cost	\$600.00
Traffic Control	Lump Sum	Cost + 10%
Slurry Backfill	Lump Sum	Cost
Permits	Lump Sum	Cost
Survey	Lump Sum	Cost
Hot Asphalt restoration	Lump Sum	Cost

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

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 reproductions, 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.

**SUBCONSULTANT TEAM MEMBERS**

**FIRM NAME :** Brierley Associates Corporation

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/Senior Consultant II	Senior reviewer	\$255
Senior Associate/Senior Consultant I	Senior reviewer	\$230
Associate/Senior Project Manager	Project Manager; Technical review	\$195
Senior Professional II	Cost estimator	\$175
Senior Professional I	Project engineer	\$155
Professional II	Project engineer	\$140
Professional I	Project engineer	\$130
Staff Professional II	Field investigation; data analysis	\$120
Staff Professional I	Field investigation; data analysis	\$110
Administrative	Administrative duties	\$75

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.40

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**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.

Title/Classification	Responsibilities	Rate/Hr.
President/Executive Sponsor	High Level Alternative Vetting	\$160
Sr. Estimating Mgr.	Alternative Analysis/Opinion of Cost	\$125
Project Manager	Alternative Analysis/Constructability	\$117
Superintendent	Constructability	\$117
Safety Manager	Constructability	\$100
Traffic Control Supv.	Constructability	\$100
Project Engineer	Alternative Analysis/Opinion of Cost	\$90
Estimating Coordinator	Proposal/Qualification Preparation	\$90
Estimator	Opinion of Cost	\$90

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.31

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:** Clanton & Associates

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.
Chief Executive Officer	Visioning, Project Approach, Quality Control	\$ 290.00
President	Contracts, Staffing, Project Oversight, Professional Engineer, Quality Control, Process Development and Management	\$ 275.00
Principal	Contracts, Staffing, Project Oversight, Professional Engineer, Quality Control	\$ 200.00
Associate	Contracts, Staffing, Project Oversight, Professional Engineer, Quality Control	\$ 185.00
Senior Engineer II	Project Management, Electrical Engineering, Quality Control, Complex Project Oversight	\$ 180.00
Senior Engineer I	Project Management, Electrical Engineering, Quality Control	\$ 140.00
Engineer II	Lighting Design, Electrical Engineering, Project Support	\$ 130.00
Engineer I	Lighting Design, Electrical Engineering, Project Support	\$ 115.00
Senior Designer II	Project Management, Lighting Design, Quality Control, Complex Project Oversight	\$ 160.00
Senior Designer I	Project Management, Lighting Design, Quality Control	\$ 140.00
Designer II	Lighting Design, Project Support	\$ 125.00
Designer I	Lighting Design, Project Support	\$ 110.00
Intern	Lighting Design, Electrical Engineering, Project Support	\$ 90.00
Production Manager	CADD Production, Deliverables Management, Quality Control	\$ 160.00
Senior CADD Technician	CADD Production, Complex Project Oversight	\$ 110.00
CADD Technician	CADD Production	\$ 85.00
Marketing Manager	Marketing, Proposal Development, Contract Review	\$ 80.00
Office Manager	Invoicing, Office Administration	\$ 80.00

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

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: Felsburg Holt & Ullevig

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	QA/QC (Environmental, Construction Mgt., Traffic Engineering, Railroad)	\$215
Principal I	QA/QC (Environmental, Construction Mgt., Traffic Engineering, Railroad)	\$195
Associate	Task Order Proj. Manager (Railroad, Construction Mgt./Inspection)	\$185
Sr. Engineer/Environmental Scientist-Planner/Transportation Planner	Civil (incl. Rail)/Environmental/Traffic Engineering-Planning/Const. Mgt/Insp. Task Lead	\$175
Engineer/Environmental Scientist-Planner/Transportation Planner V	Civil (incl. Rail)/Environmental/Traffic Engineering-Planning/Const. Mgt/Insp. Task Lead/support	\$155
Engineer/Environmental Scientist-Planner/Transportation Planner IV	Civil (incl. Rail)/Environmental/Traffic Engineering-Planning/Const. Mgt/Insp. Task Lead/support	\$140
Engineer/Environmental Scientist-Planner/Transportation Planner III	Civil (incl. Rail)/Environmental/Traffic Engineering-Planning/Const. Mgt/Insp. Task Lead/support	\$120
Engineer/Environmental Scientist-Planner/Transportation Planner II	Civil (incl. Rail)/Environmental/Traffic Engineering-Planning/Const. Mgt/Insp. support	\$105
Engineer/Environmental Scientist-Planner/Transportation Planner I	Civil (incl. Rail)/Environmental/Traffic Engineering-Planning/Const. Mgt/Insp. support	\$95
Lead ITS Specialist	Traffic Engineering/ITS support	\$120
Sr. Bridge Designer	Bridge inspection design support	\$155
Lead Designer	Civil (rail/roadway/drainage/traffic) design support	\$155
Sr. Designer	Civil (rail/roadway/drainage/traffic) design support	\$135
Designer V	Civil (rail/roadway/drainage/traffic) design support	\$125
Designer IV	Civil (rail/roadway/drainage/traffic) design support	\$120
Designer III	Civil (rail/roadway/drainage/traffic) design support	\$105
Designer II	Civil (rail/roadway/drainage/traffic) design support	\$90
Designer I	Civil (rail/roadway/drainage/traffic) design support	\$80
Environmental Technician II	Environmental Fieldwork/Documentation	\$90

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.6116

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**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: Felsburg Holt & Ullevig

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.
GIS Manager	GIS lead (Environmental, Civil, Traffic Engineering, Railroad)	\$185
GIS Specialist III	GIS support (Environmental, Civil, Traffic Engineering, Railroad)	\$120
GIS Specialist I	GIS support (Environmental, Civil, Traffic Engineering, Railroad)	\$95
Graphic Design Manager	Graphic Design, Project illustration/graphics	\$125
Graphic Design Specialist IV	Graphic Design, Project illustration/graphics	\$105
Graphic Design Specialist III	Graphic Design, Project illustration/graphics	\$95
Sr. Administrative Assistant	Technical Editing, Word Processing, Clerical Support	\$100
Administrative	Clerical	\$85

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.6116

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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.

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**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.

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
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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**SUB-CONSULTANT TEAM MEMBERS**Firm Name: **Jacobs Engineering 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.

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Architect Associate	Develops basic architectural design and solutions	\$165
Architect	Develops architectural design and solutions	\$205
Architect Senior	Develops advanced architectural design and solutions	\$245
Architectural Drafter Associate	Basic drafting, copies sketches, layouts, and drawings prepared by others	\$80
Architectural Drafter	Performs drafting assignments requiring application of standardized drawing techniques	\$105
Architectural Drafter Senior	Performs non-routine and complex drafting assignments requiring application of standardized drawing techniques	\$125
Architectural Engineer Associate	Develops basic architectural engineering design and solutions	\$125
Architectural Engineer	Develops architectural engineering designs and solutions	\$185
Architectural Engineer Senior	Develops advanced architectural engineering designs and solutions	\$245
Biologist	Performs biologic analysis, surveys and documentation	\$130
Biologist - Senior	Performs advanced biologic analysis, surveys and documentation	\$140
CAD Technician Associate	Provides CAD drafting and CAD Coordination	\$105
CAD Technician		\$125
CAD Technician Senior		\$160
Construction Engineer	Supports construction projects	\$140
Construction Inspector Associate	Provides construction inspecting on construction projects	\$80
Construction Inspector		\$105
Construction Inspector Senior		\$125
Construction Manager	Manages constructions projects and tasks	\$180

## Jacobs Engineering Group, Inc

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Contracts Administrator Associate	Provides contract review and set-up. Sets-up subconsultant contracts and monitors subconsultant contracts	\$130
Contracts Administrator Senior		\$150
Designer Associate	Provides basic design support with CAD design tools	\$105
Designer	Provides design support with CAD design tools	\$125
Designer Senior	Provides advanced design support with CAD design tools	\$135
Engineer - Associate	Provides engineering design of roadways, multimodal solutions, utilities, traffic, ITS, hydrology and hydraulics, water quality and storm sewers. Provides technical plan review, schedules, preparation of plans, specifications, reports and estimates. Supports data collection.	\$105
Engineer		\$140
Engineer - Senior		\$165
Engineer Intern	Supports basic planning or engineering tasks	\$100
Environmental Compliance Lead	Leads environmental compliance requirements	\$160
Environmental Field Technician	Performs environmental field analysis and surveys	\$95
Environmental Scientist Associate	Performs environmental analysis and prepares environmental reports	\$105
Environmental Scientist		\$115
Environmental Scientist Senior		\$125
Geotechnical Engineer Associate	Performs geotechnical engineering analysis, reviews reports and prepares reports	\$145
Geotechnical Engineer		\$170
Geotechnical Engineer Senior		\$185
GIS Specialist	Provides GIS support for infrastructure projects	\$130
GIS Specialist - Senior		\$140
GIS Technician Associate	Provides GIS support for infrastructure projects using GIS computer tools	\$80
GIS Technician		\$105
GIS Technician Senior		\$135

## Jacobs Engineering Group, Inc

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Graphic Designer	Prepares design graphics, including public involvement graphics	\$115
Graphic Designer Senior		\$125
Health and Safety Professional Associate	Provides guidance on health and safety requirements for projects. Oversees health and safety for projects.	\$140
Health and Safety Professional Senior		\$150
Interior Design Associate	Prepares interior design	\$60
Interior Design		\$80
Interior Design Senior		\$115
Intern	Supports basic tasks	\$60
Landscape Architect Associate	Develops landscape architectural design and solutions	\$105
Landscape Architect		\$115
Landscape Architect Senior		\$120
Party Chief Associate	Provides field survey direction	\$90
Party Chief		\$110
Party Chief Senior		\$120
Photogrammetrist Associate	Provides photogrammetry	\$100
Photogrammetrist		\$120
Photogrammetrist Senior		\$175
Photogrammetrist Technician Associate	Supports photogrammetry using computer design tools	\$95
Photogrammetrist Technician		\$105
Photogrammetrist Technician Senior		\$155

## Jacobs Engineering Group, Inc

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Planner Associate	Provides planning, analysis, documentation for infrastructure projects	\$80
Planner		\$125
Planner Senior		\$155
Principal	Assures commitment of resources. Client satisfaction and issue resolution if needed.	\$310
Program Manager	Manages programs including cost, schedule and quality control. Day-to-day client coordination. Task order management.	\$225
Program Manager Senior		\$270
Project Manager	Manages projects. Coordinates with City Project Manager.	\$205
Project Manager Senior		\$245
Project Accountant	Tracks project finances and invoicing	\$95
Project Accountant Senior		\$115
Project Assistant Associate	Provides clerical support and meeting coordination	\$95
Project Assistant Senior		\$130
Project Controls Associate	Monitors projects budgets and schedules	\$125
Project Controls Senior		\$195
Project Engineer SUE/Survey	Provides Subsurface Utility Engineering (SUE) and survey design	\$140
Quality Manager	Ensures project quality	\$200
Safety Manager	Manages safety for projects	\$195
Scheduler	Prepares schedules for projects	\$160
Scientist Associate	Provides scientist analysis and reports	\$140
Scientist		\$150
Scientist Senior		\$160
Structural Engineer Associate	Designs structures for treatment plants, conveyance pipelines, storm sewers, structures/bridges, roadways, and other infrastructure	\$210
Structural Engineer		\$180
Structural Engineer Senior		\$210



## Jacobs Engineering Group, Inc

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Survey Project Engineer PLS/Certified Photogrammetrist	Provides engineering for professional land survey and photogrammetry	\$135
Survey/CAD/GIS Technician Associate	Prepares of survey, CAD and GIS CAD files. Drafting, Plan Production	\$70
Survey/CAD/GIS Technician		\$90
Survey/CAD/GIS Technician Senior		\$105
Surveyor Associate	Performs survey tasks in the office and in the field	\$110
Surveyor		\$140
Surveyor Senior		\$165
Sustainability Manager	Manages sustainability for projects	\$150
Task Lead	Leads task for civil engineering, drainage, and water quality design	\$195
Technical Writer/Editor Associate	Editing Documents, including Specifications	\$95
Technical Writer/Editor		\$110
Technical Writer/Editor Senior		\$125
Technologist Associate	Specialized Expert in Special District Creation, Multimodal Planning, Traffic Planning/Safety/Parking, ITS, Hydrology and Hydraulics, Water Quality and Storm Sewers, or Urban Design/Streetscape	\$165
Technologist		\$205
Technologist Senior		\$245
Transportation Planner Associate	Provides transportation planning. Including environmental/NEPA analysis and documentation	\$95
Transportation Planner		\$105
Transportation Planner Senior		\$115
Utility Investigator Associate	Investigates utilities in the field	\$85
Utility Investigator		\$110
Utility Investigator Senior		\$150

## Jacobs Engineering Group, Inc

Title/Classification	Responsibilities	Rate/Hr.
Utility Investigation Technician Associate	Prepares utility files using computer design tools	\$60
Utility Investigation Technician		\$75
Utility Investigation Technician Senior		\$90

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:** Kumar & Associates, Inc.**Date:** March 30, 2020

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	Project Oversight, Contracts/Negotiations	\$ 185.00
Principal-in-Charge / Senior Project Manager	Project Oversight, Geotechnical Report Review, Value Engineering, Attends Meetings, budget management	\$ 175.00
Project Manager; Geotechnical	Coordinates and conducts geotechnical subsurface investigative programs, provides geotechnical report review and recommendations	\$ 135.00
Project Engineer; Geotechnical	Preparation of Geotechnical Engineering Reports, performs geotechnical engineering study/investigation(s), coordinates drilling procedures/scheduling	\$ 105.00
Staff Engineer; Geotechnical	Performs analysis of field and laboratory data for generation of geotechnical recommendations	\$ 90.00
Field Engineer	Supervises drilling activities including logging and sampling of subsurface conditions	\$ 70.00
Exploration Manager	Coordinates drilling schedule and performs drilling procedures	\$ 75.00
Managing Scientist	Overall project management and staff allocation, report review	\$ 110.00
Project Scientist	Supervise Staff Scientists during Phase I ESAs, Asbestos inspections, and other field work, report preparation	\$ 95.00
Staff II Scientist	Perform Phase I and Phase II ESA's, Asbestos inspections and other field work, assists in report preparation	\$ 75.00
Staff I Scientist	Asbestos inspection, Phase I ESAs, field work, and air monitoring	\$ 65.00
Word Processing / Clerical	Word processing of reports, filing/record keeping, and data entry	\$ 50.00
CAD Drafting	Development of drawings/schematics, IT support	\$ 80.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.85

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**OTHER DIRECT COSTS****Firm Name:** Kumar & Associates, Inc.**Date:** March 30, 2020

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.

OUTSIDE SERVICES AND EXPENSES.....Cost + 10%  
 (e.g.: Drilling, Traffic Control, Equipment Rental)  
 \*No Markup on Taxes

SOILS	LABORATORY TESTING	CONCRETE AND MASONRY (continued)	
Moisture Content (ASTM D2216).....	\$10.00 ea.	Compressive Strength, Length and Density of Concrete Cores (ASTM C42).....	\$60.00 ea.
Moisture Content & Density (ASTM D2216).....	\$15.00 ea.	Splitting Tensile Strength (ASTM C496).....	\$35.00 ea.
Gradation (ASTM D6913).....	\$85.00 ea.	Floor Profiling.....	\$75.00/hr.
Hydrometer (ASTM D7928).....	\$85.00 ea.	Concrete Mix Analysis.....	Call for Pricing
Double Hydrometer (ASTM D4221).....	\$225.00 ea.	Compressive Strength Mortar Cubes (ASTM C109/109M).....	\$25.00 ea.
Percent Less than #200 Sieve (ASTM D1140).....	\$30.00 ea.	Compressive Strength of Grout.....	\$25.00 ea.
Atterberg Limits (ASTM D4318) Method A.....	\$75.00 ea.	Masonry Prisms Compressive Strength (ASTM C1314)	
Atterberg Limits (ASTM D4318) Method B.....	\$50.00 ea.	Hollow Prism.....	\$65.00 ea.
Standard Proctor (ASTM D698).....	\$95.00 ea.	Grout Filled Prism.....	\$75.00 ea.
Modified Proctor (ASTM D1557).....	\$110.00 ea.	Concrete Masonry Units	
Soil/Cement Proctor (ASTM D558).....	\$135.00 ea.	Compressive Strength of Hollow Block.....	\$35.00 ea.
Proctor Checkpoint (ASTM D698 or ASTM D1557).....	\$50.00 ea.	Absorption Analysis (set of 3).....	\$50.00/set
Relative Density (ASTM D4253 and ASTM D4254).....	\$175.00 ea.	Trimming of Laboratory Specimens.....	\$50.00/hr.
Specific Gravity (ASTM D854).....	\$80.00 ea.	Maturity Meter Calibration Curve.....	\$500.00 ea.
Standard Swell-Consolidation (ASTM D4546).....	\$70.00 ea.	Maturity Meter Logger.....	\$65.00 ea.
Air Dried Swell-Consolidation (ASTM D4546).....	\$80.00 ea.	Calcium Chloride Moisture Test Kits.....	\$25.00 ea.
Remolded Swell-Consolidation (ASTM D4546).....	\$100.00 ea.	Relative Humidity Logger.....	\$45.00 ea.
Time/Consolidation (ASTM D2435).....	\$325.00 ea.	Concrete Set Time (ASTM C403).....	\$75.00 ea.
Unconfined Compressive Strength (ASTM D2166).....	\$60.00 ea.	<b>AGGREGATES</b>	
Slake Durability (ASTM D4644).....	\$100.00 ea.	Moisture Content (ASTM D2216).....	\$10.00 ea.
Pinhole Dispersion (ASTM D4647).....	\$150.00 ea.	Sieve Analysis (ASTM C136).....	\$85.00 ea.
Crumb Test (ASTM D6572).....	\$50.00 ea.	Percent Less than #200 Sieve (ASTM C117).....	\$30.00 ea.
Water Soluble Sulfates (AASHTO T290, CP-L 2103).....	\$50.00 ea.	Clay Lumps & Friable Particles (ASTM C142).....	\$60.00 ea.
pH (ASTM E70).....	\$40.00 ea.	Flat or Elongated Particle (CP33).....	\$60.00 ea.
Chloride (AASHTO T291, CP-L 2104).....	\$50.00 ea.	Fractured Faces (CP45).....	\$60.00 ea.
Electrical Resistivity (ASTM G57).....	\$150.00 ea.	Los Angeles Abrasion	
Organics (AASHTO T267).....	\$70.00 ea.	1½" Maximum (ASTM C131).....	\$150.00 ea.
R-Value (ASTM D2844).....	\$350.00 ea.	3" Maximum (ASTM C535).....	\$175.00 ea.
California Bearing Ratio (ASTM D1883)		Sodium or Magnesium Sulfate Soundness (ASTM C88).....	\$350.00 ea.
1-point.....	\$150.00 ea.	Dry Rodded Unit Weight (ASTM C29).....	\$30.00 ea.
California Bearing Ratio (ASTM D1883)		Specific Gravity and Absorption (ASTM C-127 and ASTM C128).....	\$80.00 ea.
3-point.....	\$400.00 ea.	Organic Impurities (AASHTO T21).....	\$40.00 ea.
Soil/Lime, Soil/Cement Mix Analysis.....	Call for Pricing	Aggregate Durability Index (AASHTO T210).....	\$75.00 ea.
(Cost Will Vary Depending on Specification Requirements)		Sand Equivalent (AASHTO T176).....	\$75.00 ea.
Freeze/Thaw (ASTM D560).....	\$350.00 ea.	Lightweight Particles (ASTM C123).....	\$150.00 ea.
Wet/Dry (ASTM D559).....	\$350.00 ea.	Micro Deval (ASTM D6928).....	\$150.00 ea.
Compressive Strength of Soil-Cement (ASTM D1633).....	\$60.00 ea.	Potential Alkali – Silica Reactivity, 3 Specimens, Fine Aggregate (ASTM C1260 and C1567).....	\$500.00 ea.
Direct Shear/per point (ASTM D3080)		Potential Alkali – Silica Reactivity, 3 Specimens, Coarse Aggregate (ASTM C1260 and C1567).....	\$600.00 ea.
Unconsolidated-Undrained (Quick Test).....	\$150.00 ea.	<b>ASPHALT</b>	
Residual Strength, Additional Per Carriage Reversal.....	\$50.00 ea.	Asphalt Binder Content (CP-L 5120).....	\$85.00 ea.
Drained Tests Quoted on Project-Specific Basis		Asphalt Binder Content/Gradation (CP-L 5120).....	\$180.00 ea.
Soil Suction (ASTM D6836 Method D).....	\$50.00 ea.	Asphalt Content Correction Factor (CP-L 5120).....	\$350.00 ea.
Carbonate Content (ASTM D4373).....	\$150.00 ea.	Asphalt Aggregate Correction Factor (CP-L 5120).....	\$350.00 ea.
Thermal Resistivity (ASTM D5334).....	\$150.00/pt.	Asphalt Content/Nuclear Method (AASHTO T287).....	\$85.00 ea.
Remolded Thermal Resistivity (ASTM D5334).....	\$250.00/pt.	Nuclear Oven Calibration (AASHTO T287).....	\$350.00 ea.
<b>FIREPROOFING</b>		Marshall Test, 3 Specimens (ASTM D1559).....	\$200.00 ea.
Density and Moisture Content (ASTM E605).....	\$50.00 ea.	Bulk Specific Gravity and Thickness of Core (ASTM D1188 and D2726).....	\$30.00 ea.
Bond Strength (ASTM E736).....	\$35.00 ea.	Maximum Theoretical Specific Gravity (ASTM D2041).....	\$80.00 ea.
<b>MISCELLANEOUS</b>		Superpave Gyrotory Compaction, 3 Specimens (CP-L 5115).....	\$175.00 ea.
Sample Preparation.....	\$50.00/hr.	Asphalt Mix Analysis.....	Call for Pricing
Asphalt/Concrete Coring.....	\$75.00/hr.	Lottman Testing (CP-L 5109).....	\$425.00 ea.
<b>CONCRETE AND MASONRY</b>		Hveem Stability (CP-L 5106).....	\$325.00 ea.
Concrete Compressive Strength (ASTM C39).....	\$15.00 ea.		
Cylinders Cast by Others.....	\$20.00 ea.		
Concrete Flexural Strength (ASTM C78).....	\$50.00 ea.		

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**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: Lintjer + Haywood 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.
Principal	Design, Documentation, Quality Control	\$145

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

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**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: Lithos Engineering

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.
Senior Consultant		\$260
President		\$215
Vice President		\$190
Senior Professional II		\$185
Senior Professional I		\$170
Professional II		\$155
Professional I		\$135
Staff Professional III		\$120
Staff Professional II		\$110
Staff Professional I		\$95
Administrative		\$70

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

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**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.

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: OV 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.
Principal	Project Management, Transportation Management, mobility planning, design, strategic outreach	\$175
Project Manager	Project Management, Transportaiton Planning, Transportation Engineering	\$160
Senior Engineer	Transportation Engineering	\$145
Engineer II	Transportation Engineering	\$130
Engineer I	Transportation Engineering	\$115
Senior Planner	Transportation Planning	\$140
Planner II	Transportation Planning	\$120
Planner I	Transportation Planning	\$110
GIS Analyst	GIS, Data review	\$90
Graphic Designer	Graphic design, meeting materials, web-based materials	\$90
CAD Technician	CAD drafting	\$90
Clerical/Administrative	Word processing & administrative organization	\$70
Data Collection Technician	Collect field data	\$35
Intern	Varying support tasks	\$30

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 1.0.

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: 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 EXPENSES**FIRM: Pinyon Environmental, Inc.

<b>EXPENSE OR SERVICE</b>	<b>RATE</b>	<b>BILLING RATE</b>
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
<b>Pass Through Rate – Subcontractor Costs and Management</b>		
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: Stream Landscape Architecture

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:	Contracting, Admin, Design Leadership, Business Mgmt, Project Oversight	\$180
Principal I:	Contracting, Admin, Design Leadership, Business Mgmt, Project Oversight	\$170
Associate Principal:	Contracting, Admin, Design Leadership, Project Oversight	\$155
Project Manager II/ Sr. LA:	Design Leadership, Project Management, Production Oversight	\$130
Project Manager I/ LA:	Design Leadership, Project Management, Production Oversight	\$120
LA/Designer III:	Design Assistance, Project Management Assistance, Production Lead	\$110
LA/Designer II:	Design Assistance, Production, Project Assistance	\$95
LA/Designer I:	Design Assistance, Production, Project Assistance	\$90
Intern Designer:	Production, Project Assistance	\$75
Clerical/Admin:	Billing, Contract Admin, Clerical	\$55

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

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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 (2) Person Crew	Two person crew designating subsurface utilities	\$225.00
Two (2) Person Crew	Two person vacuum excavation crew - subsurface utilities	\$267.00
Two (2) Person Crew 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.

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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.

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