

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 **SHORT-ELLIOTT-HENDRICKSON, INCORPORATED**, a Minnesota corporation licensed to do business in Colorado, whose address is 3535 Vadnais Center Drive, Saint Paul, Minnesota 55110 (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-201950801-02 [201631683-02]
Short-Elliott-Hendrickson, Incorporated

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-201950801-02 [201631683-02]
Short-Elliott-Hendrickson, Incorporated

By: 

Name: John W. Simmer
(please print)

Title: Vice President
(please print)

ATTEST: [if required]

By: _____

Name: _____
(please print)

Title: _____
(please print)

Exhibit B-1

CONSULTANT TEAM MEMBERS

PRIME CONSULTANT: Short Elliott Hendrickson Inc. (SEH®)

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).

Title/Classification	Responsibilities	Rate/Hr.
Principal	Quality Assurance, Contract Compliance, Resource Allocation	\$240.00
Program Manager	Contract Management, Primary Contact, Task Negotiation and Task Management, sub consultant oversight	\$230.00
Senior Project Manager	Task Management, resource allocation, technical leadership staff supervision, quality control 16+ years of experience	\$207.00
Project Manager	Task Management, technical leadership, staff supervision. 10-15 years of experience	\$195.00
Senior Project Engineer/Architect/Planner	Technical leadership for design tasks, lead design, prepare reports and estimates - Professional Engineer, Planner or Architect. 16+ years of experience	\$179.00
Project Engineer/Architect/Planner	Technical leadership for design tasks, lead discipline designs, prepare reports and estimates - Professional Engineer, Planner, Landscape Architect or Architect with 9-15 years of experience.	\$149.00
Junior Professional	Prepare designs and specifications conduct field investigations and on site observation – Professional Engineer Architect, Landscape Architect or Planner with 4-8 years of experience	\$115.00
Graduate Engineer/Architect/Planner	Conduct field investigations and prepare drawings, specification and estimates. Graduate Engineer, Planner, Landscape Architect or Architect.	\$110.00
Intern	Assist graduate engineers and project engineers with design, and field investigation. At least two years of technical education in engineering, planning, landscape architecture or architecture.	\$70.00
Senior Drafter	Lead Design and supervise CAD techs	\$146.00
CAD Technician	CAD Drafting	\$96.00
Resident Project Representative	Daily construction observation and reporting	\$120.00

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

CONSULTANT TEAM MEMBERS

PRIME CONSULTANT: Short Elliott Hendrickson Inc. (SEH®)

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).

Title/Classification	Responsibilities	Rate/Hr.
Senior Administrative Person	Certified Payroll review, project documentation	\$113.00
Administrative Assistant	Word processing, spreadsheet, graphics, public involvement support	\$98.00
Senior Accountant	Financial management, project setup, invoicing sub-consultant payment	\$120.00
Survey Group Manager PLS	Survey resource management, review plats and legals	\$153.00
Surveyor PLS	Supervise field crews, prepare plats and legals, lead survey tasks, includes equipment	\$139.00
Field Surveyor	Field surveying staking, CAD drafting of maps, includes equipment	\$135.00
Utility Locator	Surface location and marking of utilities, includes equipment	\$135.00
GIS Specialist	Data management, GIS mapping	\$156.00

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

Attachment 3
SUB-CONSULTANT TEAM MEMBERS

PRIME CONSULTANT: 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

SUB-CONSULTANT TEAM MEMBERS

Firm Name: ERO Resources Corp.

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 Environmental Planner	Project coordination/planning	\$161
Project Environmental Planner	Project coordination/planning	\$144
Biologist I	Review of draft reports and project coordination	\$139
Biologist II	Conduct field work; prepare biological reports	\$112
Geoscientist I	Review of draft reports and project coordination	\$139
Geoscientist II	Conduct field work; prepare hazmat reports	\$112
Senior Cultural Resource Specialist	Review of draft reports and project coordination	\$117
Project Cultural Resource Specialist	Conduct field work; prepare cultural resource reports	\$102
Word Processing/Editor	Review technical reports	\$97
GIS/Graphics	Prepare report figures and graphics	\$112
Clerical	Clerical/administrative tasks	\$70

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

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

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Group14 Engineering, PBC

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.
Energy Project Manager	Project Management - general project oversight	\$136.20
Energy Engineer	Technical Support	\$95.33
Energy Engineer	Technical Support	\$107.12
Energy Project Manager	Project Management - general project oversight	\$122.76
Sustainability Engineer	Technical Support	\$112.66
Sustainability Project Manager	Project Management - general project oversight	\$143.62
Sustainability Project Manager	Project Management - general project oversight	\$130.89
Sustainability Consultant	Technical Support	\$77.95
Sustainability Project Manager	Technical Support	\$105.84
Sustainability & Social Impact Mgr	Project Management - general project oversight	\$144.79
Sustainability Consultant	Project Management - general project oversight	\$109.27
Energy Project Manager	Project Management - general project oversight	\$141.64
Energy Project Manager	Project Management - general project oversight	\$136.24
Energy Consultant	Technical Support	\$111.95
Energy Engineer	Technical Support	\$92.64
Energy Project Manager	Project Management - general project oversight	\$127.80

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.198.

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.

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Logan Simpson 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 Landscape Architect	Oversees project team delivery of all levels of landscape architecture and master planning documents to meet clients and regulatory agency needs and achieve a high level of client satisfaction and technical excellence in the work products and service.	\$192.00
Project Mgr./Sr. Landscape Architect	Responsible for design, cost estimation, construction documents/administration, and day-to-day management of task orders; provides QC oversight. Typically 10+ years experience.	\$150.00
Associate Landscape Architect	Prepares conceptual plans, landscape designs, construction documents, and performs construction administration. Typically 10+ years experience.	\$102.00
Landscape Designer	Prepares all level of maps, plans, and associated visual communication material, an assists with preparation of conceptual plans, landscape designs, and construction documents.	\$78.00- \$90.00
Landscape Design Intern	Performs intern-level supervised work in trades or vocational field performing supervised duties.	\$54.00
Irrigation Designer	Prepares small-scale irrigation solutions, irrigation plans, and cost estimates	\$78.00- \$150.00
Principal Planner	Fosters, develops, and executes the mission and vision of the firm, implements the firm's strategic and long-term plans including the financial, marketing/business development, and management goals, and leads the planning service line.	\$243.00
Senior Planner	Independently or collaboratively prepares master and general planning documents, including plans, guidelines, ordinances, and manuals. Typically 10+ years experience.	\$114.00 - \$162.00
Associate Planner/Planner	Assists in the preparation of master and general planning documents, including plans, guidelines, ordinances, and manuals.	\$60.00 - \$102.00
Tech Editing/ Administrative	Prepares and assists with production of drawings, graphics, templates, and reports; manages project related administrative records.	\$105.00

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

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Navjoy Consulting Services, Inc.

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

Title/Classification	Responsibilities	Rate/Hr.
Principal-In-Charge	Overall responsibility	210.00
Project Manager	Overall responsibility for quality, timelines & assignment	195.00
Planning Manager	Planning & ITS	150.00
IT Network Manager	IT Network & Planning	148.00
Lead Engineer	Traffic, Transportation, Multi-modal	83.00
Project Coordinator I	Assist with projects	53.00
Field Technician	Conduct field work	68.00
Lead Field Technician	Lead & conduct field work	78.00
Senior Network Admin	Lead network design & operations	105.00
Network Admin	Assist with network design & operations	88.00
ITS Electrical & Network Engineer	Assist with network & electrical operations	68.00
TMC Operator	Manage transportation network	52.00
Lead TMC Operator	Lead & manage transportation network	57.00
Administrative Assistant	Clerical support	47.00
Office Manager	Office management	77.00
Graphic Designer	Graphics support	48.00
Intern	Assist on special projects	45.00
Senior Planner	Lead planning projects	122.00
Planner	Assist on planning projects	110.00
Research Associate I	Assist with projects	50.00
Research Associate II	Lead assistance with projects	55.00

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

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.

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

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Shannon & Wilson, 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.
Senior Vice President	Overall QA/QC; Review of geotechnical engineering investigations, analysis, and design recommendations	\$260
Vice President	Main contact, interface with project team; Manages cost and schedule; Initiates geotechnical investigations; Performs geotechnical analysis and provides design recommendations; Prepares/stamps geotechnical engineering reports	\$220
Senior Associate	Performs geotechnical analysis and provides design recommendations; Prepares geotechnical engineering reports	\$195
Associate	Performs geotechnical analysis and provides design recommendations; Prepares geotechnical engineering reports	\$175
Senior Professional III	Coordinates/complete geotechnical investigations; Performs geotechnical analysis and provides design recommendations; Prepares geotechnical engineering reports	\$155
Senior Professional II	Coordinates/complete geotechnical investigations; Performs geotechnical analysis and provides design recommendations; Prepares geotechnical engineering reports	\$135
Senior Professional I	Coordinates/complete geotechnical investigations; Performs geotechnical analysis and provides design recommendations; Prepares geotechnical engineering reports	\$120
Professional IV	Coordinates/assists with geotechnical investigations, analysis and design recommendations; Assists with geotechnical engineering reports	\$110
Professional III	Coordinates/assists with geotechnical investigations, analysis and design recommendations; Assists with geotechnical engineering reports	\$100
Professional II	Performs field logging of borings and prepares boring logs	\$95
Professional I	Performs field logging of borings and prepares boring logs	\$85
Senior Technician	Provides laboratory testing of soil/rock obtained from geotechnical boring	\$110
Technician IV	Provides laboratory testing of soil/rock obtained from geotechnical boring	\$95
Technician III	Provides laboratory testing of soil/rock obtained from geotechnical boring	\$85
Technician II	Provides laboratory testing of soil/rock obtained from geotechnical boring	\$75
Technician I	Provides laboratory testing of soil/rock obtained from geotechnical boring	\$65
Senior Drafter	Prepares report figures such as site plans and boring location maps	\$115
Drafter III, IV	Prepares report figures such as site plans and boring location maps	\$100
Drafter I, II	Prepares report figures such as site plans and boring location maps	\$95
Administrative III, IV	Formatting, printing, and assembling of technical reports	\$95
Administrative I, II	Formatting, printing, and assembling of technical reports	\$75

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.2

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Toole Design 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	Provides senior-level client contact and services and is ultimately responsible for team performance.	298
Project Manager	Plans and manages the project delivery process for large or complex projects. Leads public engagement efforts and serves as principal	268
Engineering Lead I	Responsible for quality control of engineering products; leads preparation of engineering efforts and provides direction to junior	222
Senior Engineer	Responsible for overall quality control; leads preparation of design efforts and provides direction to junior staff and interface with clients.	192
Project Engineer	Prepares design criteria and design analysis reports, develop contract documents (plans and specifications), develops opinions of	169
Engineer II	Designs and completes project elements, prepares reports and calculations under supervision.	130
Engineer	Designs and completes project elements under supervision, data entry and analysis, prepares graphics and design plans using CADD	106
Urban Designer	Designs and completes project elements under supervision, completes assignments related to landscape architecture and urban	160
Planning Lead I	Responsible for quality control of planning products; leads preparation of planning efforts and provides direction to junior staff	226
Senior Planner	Prepares analysis reports, develops preliminary improvement recommendations, leads data gathering and GIS mapping efforts.	185
Project Planner	Assists with analysis reports, develops improvement recommendations, leads data gathering.	161
Planner II	Completes planning project elements and prepares reports under supervision.	132
Planner	Supports the development of reports, conducts data entry and analysis, prepares graphics for public or technical presentations.	102
Landscape Architect	Prepares design criteria and analysis reports, develops contract documents, develops opinions of cost within streetscape and	189
Landscape Architect Lead	Applies broad multi-disciplined knowledge of landscape architecture and urban design technical criteria, standard methods, and	219
GIS Specialist	Responsible for GIS databases, designs new and updates existing maps, prepares metadata and other information.	107
Graphic Designer	Lead development of marketing materials.	116
Intern	Assists with data gathering, research, and document production.	76
Administration	Technical-level services involving the preparation of project deliverables, word processing and project accounting.	75
Senior Advisor	Provides overall QA and QC of the entire project	260

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.08

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Utility Coordinator Lead	Lead Utility Coordination PE with 15 years plus experience, QA/QC construction and design oversight	\$185.00
Utility Coordinator II	Utility Coordination Support	\$160.00
Utility Coordinator I	Utility Coordination Support	\$130.00
Drafter Lead	CAD & Drafting	\$115.00
Electrical Engineer Lead	Electrical and Systems Engineering Lead	\$245.00
Electrical Engineer II	Electrical and Systems Engineering Support	\$210.00
Electrical Engineer I	Electrical and Systems Engineering Support	\$175.00
Project Manager Senior	Project Manager Functions	\$255.00
Project Manager II	Project Manager Functions	\$190.00
Project Manager I	Project Manager Functions	\$140.00
ITS/Traffic Senior	Traffic & ITS Design & Analysis	\$210.00
ITS/Traffic Engineer II	Traffic & ITS Design & Analysis	\$170.00
ITS/Traffic Engineer I	Traffic & ITS Design & Analysis	\$145.00
Construction Manager	Construction Phasing, Constructability Reviews	\$160.00
Administration Support	Administration and Clerical Support	\$85.00
Project Controls Manager	Project Management, Project Controls Lead	\$220.00
Project Controls II	Scheduling, Estimating, Contract Admin	\$175.00
Project Controls I	Scheduling, Estimating, Contract Admin	\$125.00

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: Utility Mapping Services Inc.

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

Title/Classification	Responsibilities	Rate/Hr.
Utility Coordination Manager	Overseeing Utility Coordination efforts regarding the	161.03
Principal Engineer	Project oversight, QA/QC, Submittal Preparation, Eng	151.28
Senior Engineer	Project oversight, QA/QC, Submittal Preparation.	163.80
Senior Geophysicist	Advanced geophysical investigations.	149.40
Project Manager	Project management, Meetings, QA/QC	141.44
SUE Field Ops. Mgr.	Field management. QA/QC. Utility Designating and	114.96
Business Admin/Clerical	Accounting, Invoicing, Contract Admin.	116.20
Project Engineer	CADD Development. Database Development Enginee	123.08
Staff Engineer	CADD Development. Database Development Enginee	113.11
SUE Field Specialist II	Field Designating and Locating, Eng. Survey	101.19
SUE Field Specialist I	Field Designating and Locating	86.03
GIS IT Specialist	Database Development	80.77

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.0058.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>	<u>Unit</u>
Survey Equipment	\$152.64	hr
SPAR300	\$209.88	day
Pipe Cameron	\$179.14	day
Single Channel GPR (includes survey equipment)	\$357.22	day
MultiChannel GPR (includes survey equipment)	\$968.84	day
Acoustic Pipe Locator	\$153.70	day
EM61	\$319.06	day
Lieca LIDAR	\$121.90	day

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Zoeller 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).

Title/Classification	Responsibilities	Rate/Hr.
PI Project Manager	Oversee all PI services	\$140/hr
PI & Gov't Relations Specialist	Support PI & gov't relations	\$125/hr
PI & Interpretation Specialist	Support PI, language services	\$115/hr
Logistical & Language Support	PI logistics & language needs	\$85/hr
General Adm Support	Assist with public meetings and administrative needs	\$65/hr

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 1.2

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. .

Exhibit C-1

Attachment 2

LIST OF KEY PERSONNEL

FIRM NAME: Group14 Engineering, Inc.

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Principal and Sustainability Team Leader	Laura Charlier
Principal and Commissioning Team Leader	Matt Cooper

Attachment 2
LIST OF KEY PERSONNEL

FIRM NAME: Navjoy Consulting Services, Inc.

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

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Project Manager	Navin Nageli
Traffic Operations Manager	TBD
Planning Manager	Bruce Coltahrp
IT Network Manager	Michael Paul
Lead Engineer	Vijay Sabawat
Project Coordinator	Justin Healey
Project Coordinator	Jonathon Engele
Office Manager	Dani Tyner
Lead Field Technician	Jay Vue
Lead Field Technician	Twaine Gordon
Senior Network Admin	Curt Heller
Network Admin	John Blackard
ITS Electrical & Network Engineer	Aklilu Bekele
Administrative Assistant	Jennifer Shannon
IT Architect	Joyce Sunitha

