

AMENDATORY AGREEMENT

This **AMENDATORY AGREEMENT** is made and entered by and between the **CITY AND COUNTY OF DENVER**, a municipal corporation of the State of Colorado (the “City”) and **STANTEC CONSULTING SERVICES INC.**, a New York corporation registered to do business in Colorado, whose address is 410 17th Street, Suite 1400, Denver, CO 80202 (the “Consultant”), jointly (“the Parties”).

RECITALS:

A. The Parties entered into an Agreement dated January 7, 2021 (the “Agreement”) for the performance of certain work set forth in that Agreement and Exhibit A.

B. The Parties wish to amend the Agreement to increase the Maximum Contract Amount, extend the Term, and to make such other amendments herein set forth.

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

1. All references to “Exhibit A” in the Agreement shall be amended to read: “Exhibit A-1”. Exhibit A-1 is attached hereto and incorporated herein by this reference.

2. All references to “Exhibit B” in the Agreement shall be amended to read: “Exhibit B and Exhibit B-1”. Exhibit B-1 is attached hereto and incorporated herein by this reference.

3. Section 3 of the Agreement entitled **COMPENSATION, PAYMENT, AND FUNDING** Sub-section 3.05 (a) entitled **Maximum Contract Amount; 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, which includes all categories selected under this Agreement, shall not exceed a maximum of **FIVE MILLION DOLLARS AND ZERO CENTS (\$5,000,000.00)**. 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** Sub-section 4.01 entitled **Term** is amended to read as follows:

“**4.01. Term.** The term of this Agreement shall commence on January 15, 2021 and shall expire on January 14, 2026, 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 Director. The term of this agreement may be extended for one additional year at the City’s sole discretion by written amendment.”

5. Section 6 of the Agreement entitled **GENERAL PROVISIONS** Sub-section 6.06 entitled **No Discrimination in Employment** is hereby deleted in its entirety and replaced with:

“**6.06. No Discrimination in Employment:** In connection with the performance of work under the Agreement, the Contractor may not refuse to hire, discharge, promote, demote, or discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, ethnicity, citizenship, immigration status, gender, age, sexual orientation, gender identity, gender expression, marital status, source of income, military status, protective hairstyle, or disability. The Contractor shall insert the foregoing provision in all subcontracts.”

6. Section 6 of the Agreement entitled **GENERAL PROVISIONS** Sub-section 6.19 of the Agreement entitled **No Employment of Illegal Aliens to Perform Work Under the Agreement** is hereby deleted in its entirety.

7. As herein amended, the Agreement is revived, affirmed, and ratified in each and every particular.

8. This 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 FOLLOW]

Contract Control Number: DOTI-202369372-01 [202056661-01]
Contractor Name: STANTEC CONSULTING SERVICES INC.

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

SEAL

CITY AND COUNTY OF DENVER:

ATTEST:

By:

APPROVED AS TO FORM:

REGISTERED AND COUNTERSIGNED:

Attorney for the City and County of Denver

By:

By:

By:

Contract Control Number:
Contractor Name:

DOTI-202369372-01 [202056661-01]
STANTEC CONSULTING SERVICES INC.

By:  11390FC2DBFD452...

Name: Daniela Machado
(please print)

Title: Vice President, Regional Business Leader
(please print)

ATTEST: [if required]

By: _____

Name: _____
(please print)

Title: _____
(please print)

Exhibit A-1

Category Name	Category Number	Category Amount	M/WBE Goal Commitment
Bridge Inspection	3	\$1,000,000.00	23%

Short Description:

Inspections and data collection for bridge, culvert, and retaining wall structures

Definition:

Work in this category is related to the inspection of existing roadway and pedestrian bridges, culverts, retaining walls and occasional special structures. Tasks include cyclical, routine inspections as well as special or emergency inspections. Equipment and software necessary to collect and provide the data are included in the work. Bridge designs will be addressed in another category.

Primary Scope Elements:

- Field data collection for structural inspections
- Report preparation for structural inspections (containing EI and SI&A information, past ratings, sketches, and other pertinent documentation)
- Delivering data in excel format that can be uploaded into CCD asset management system
- Non-destructive testing techniques
- Scour analysis and report
- Load ratings
- Identification of essential repair findings (per the CDOT inspection manual)

Secondary Scope Elements:

- General requirements required in the contract
- Staff augmentation
- Railroad coordination
- Permitting
- Additional tasks as required

Skills and Requirements:

- Bridge inspection experience
- Ability to perform non-standard inspections (railroad, underwater, confined space, fracture critical, and rope/climbing access)
- Certifications necessary for all potential inspection conditions listed above
- Ability to coordinate and obtain access permits from CDOT, railroads, and RTD/DTO
- Ability to read structural plans
- Technical writing
- Familiarity with current FHWA and CDOT coding guides

Exhibit A-1

Category Name	Category Number	Category Amount	M/WBE Goal Commitment
Wastewater Planning and Design	12	\$4,000,000.00	23%

Short Description:

Plan and design of storm, sanitary, waterway, and water quality systems

Definition:

Work in this category is related to the planning and design for storm, sanitary, waterway and water quality systems. These systems will include small neighborhood systems, and large, complex, multi-discipline focus basin systems within confined urban corridors. The work may also include providing construction support. Tasks and deliverables to support wastewater planning and design are included.

Primary Scope Elements:

- Storm and sanitary master planning
- Storm and sanitary design
- Water quality planning and design
- Hydraulic and hydrologic planning and design
- Plan, specification, and cost estimate preparation
- Project management
- Construction support

Secondary Scope Elements:

- General requirements required in the contract
- Staff augmentation
- Landscape architecture and urban design
- Structural (primarily underground) design
- Geotechnical investigations
- Ground water testing and treatment design
- Survey
- Environmental research and testing
- Utility engineering and coordination
- Railroad coordination
- Permitting
- Real estate
- Public involvement
- Grant writing and management
- Construction support services
- Additional tasks as required

Skills and Requirements:

- Storm and sanitary experience
- Technical writing
- Current industry standard stormwater design software
- Experience with current design codes and standards

Exhibit B-1**PRIME TEAM MEMBERS**

Bridge Inspection - Category 3

Wastewater Planning and Design - Category 12

Sub: Stantec 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.
Admin		
Administrative	Administrative	\$104.00
Jr. Project Manager Assistant	Administrative, internal process setup	\$131.00
Project Manager Assistant I	Administrative, contract/invoice preparation	\$145.00
Project Manager Assistant II	Administrative, contract/invoice preparation, program tracking	\$161.00
Sr. Project Manager Assistant	Contract review/preparation, program oversight	\$220.00
CADD		
Jr. CADD Technician	CADD, Preparation of Drawings, Maps and Photographs	\$104.00
CADD Technician	CADD, Preparation of Drawings, Maps and Photographs	\$127.00
CADD Technician I	CADD, Preparation of Drawings, Maps and Photographs	\$139.00
CADD Technician II	CADD, Preparation of Drawings, Maps and Photographs	\$155.00
Sr. CADD Technician	CADD, Preparation of Drawings, Maps and Photographs, project file setup	\$172.00
Sr. CADD Technician II	CADD, Preparation of Drawings, Maps and Photographs, project file setup, preparation and setup of complex projects	\$178.00
CADD Manager	Resource assignment, CADD standards oversight, preparation and setup of complex projects	\$187.00
Digital Practice Discipline Lead	Digital practice/technology, 3D based model design, Virtual Design & Construction, project wise, CADD standards, visualizations	\$195.00
Technical Writing		
Professional	Non-engineering, professional studies and reports	\$117.00
Professional I	Non-engineering, professional studies and reports	\$131.00
Professional II	Non-engineering, professional studies and reports	\$155.00
Sr. Professional	Non-engineering, professional studies and reports	\$178.00
Sr. Technical Editor	Document preparation, QC, standards compliance	\$220.00

Exhibit B-1**Bridge Inspection - Category 3
Wastewater Planning and Design - Category 12**

Engineering		
Jr. Designer	Design, Preparation of Engineering, and Inspection Reports	\$131.00
Designer	Design, Preparation of Engineering, and Inspection Reports	\$145.00
Jr. Engineer I - EIT	Design, Preparation of Engineering, and Inspection Reports	\$155.00
Jr. Engineer II - EIT	Design, Preparation of Engineering, and Inspection Reports	\$161.00
Sr. Designer	Design, preparation of engineering and inspection reports	\$172.00
Engineer	Design, Preparation of Engineering, and Inspection Reports	\$172.00
Engineer I	Design, Preparation of Engineering, and Inspection Reports	\$178.00
Engineer II	Design, Preparation of Engineering, and Inspection Reports	\$187.00
Sr. Engineer	Design, Preparation of Engineering, and Inspection Reports	\$195.00
Sr. Engineer II	Design, Preparation of Engineering, and Inspection Reports	\$220.00
Project Manager	Project management, scope and invoice preparation, budget management	\$220.00
Sr. Project Manager	Project management, scope and invoice preparation, budget management, QA/QC	\$250.00
Principal	Resource allocation, contract management	\$259.00
Sr. Principal	Resource allocation, contract and resolution management	\$265.00
Structures Design		
Bridge Technician	Structural Design, preparation of calculation	\$145.00
Design Engineer I	Structural Design, preparation of calculation	\$172.00
Design Engineer II	Structural Design, preparation of calculation	\$178.00
Design Engineer III	Complex structural design, preparation of calculation, QA/QC	\$187.00
Structural Engineer	Complex structural Design, preparation of calculation, oversight of design	\$195.00
Sr. Structural Engineer	Structural design, preparation of calculation, oversight of complex design, QA/QC	\$220.00

Exhibit B-1**Bridge Inspection - Category 3
Wastewater Planning and Design - Category 12**

Structures Inspection		
Bridge Technician	Inspection mobilization, assistant inspector, preparation of reports	\$145.00
Team Assistant	Inspection mobilization, assistant inspector, preparation of reports	\$155.00
Team Assistant II	Inspection mobilization, assistant inspector, preparation of reports	\$161.00
Jr. Team Leader	Inspection mobilization, team leader, preparation of reports	\$161.00
Team Leader I	Inspection team leader, preparation of reports	\$172.00
Sr. Bridge Technician	Inspection team leader, preparation of reports	\$178.00
Team Leader II	Inspection team leader, preparation of in-depth reports, QA/QC, scope development	\$187.00
Sr. Team Leader	Inspection team leader, preparation of in-depth reports, QA/QC, scope development	\$195.00
Sr. Team Leader II	Inspection team leader, preparation of in-depth reports, QA/QC, scope development	\$220.00
Traffic, Transit, Planning		
Jr. Planner	Design, preparation of planning reports	\$145.00
Transportation Planner	Design, preparation of planning reports	\$187.00
Sr. Planner	Scope and project management, technical oversight, QC	\$259.00
Sr. Traffic Engineer	Scope and project management, technical oversight, QC	\$259.00
Data Analyst	Analysis of data, preparation of reports	\$161.00
Data Analyst II	Analysis and interpretation of data, travel demand modeling, preparation of reports	\$195.00
Sr. Data Analyst	Process oversight, analysis and interpretation of data, travel demand modeling, preparation of reports	\$220.00
Urban Planner II	Urban planning, design, preparation of reports	\$172.00
Sr. Urban Planner	Urban planning, design, preparation of reports	\$187.00
Systems Specialist I	ITS, Transit, Communication systems planning, design, estimating	\$161.00
Systems Specialist II	ITS, Transit, Communication systems planning, design, estimating	\$187.00
Sr. Systems Specialist	ITS, Transit, Communication systems planning, design, estimating	\$259.00
ITS Director	ITS, Transit, Communication systems director	\$265.00
Jr. Financial Planner	Financial planning, forecasting, grant writing	\$178.00
Financial Planner	Financial planning, forecasting, grant writing	\$220.00
Sr. Financial Planner	Financial planning, forecasting, grant writing	\$259.00

Exhibit B-1Bridge Inspection - Category 3
Wastewater Planning and Design - Category 12

Urban Design, Landscape Architecture & Green Infrastructure		
Landscape Intern	Landscape architecture support	\$145.00
Lighting Designer	Lighting design	\$145.00
Urban Design Intern	Urban design support	\$155.00
Landscape Architect	Landscape architecture	\$161.00
Sr. Urban Designer	Urban design lead	\$172.00
Sr. Landscape Architect	Landscape architecture lead	\$172.00
Sr. Lighting Designer	Lighting design lead	\$178.00
Planner	Planning lead	\$187.00
Principal Project Lead	Project oversight, leadership, execution	\$187.00
Sustainability Lead	Sustainability lead	\$195.00
Construction Management		
Jr. Maintenance & Operations Technician	Operations phasing, estimating, utility coordination	\$139.00
Jr. Construction Inspector	On-site construction inspection, preparation of reports	\$145.00
Jr. Construction Inspector I	On-site construction inspection, preparation of reports	\$161.00
Construction Inspector/Engineer I	On-site construction inspection, preparation of reports	\$178.00
Construction Inspector/Engineer II	On-site construction inspection, preparation of reports	\$187.00
Maintenance & Operations Technician	Operations phasing, estimating, utility coordination	\$195.00
Sr. Construction Inspector/Engineer	On-site construction inspection and management, preparation of reports, QA/QC	\$220.00
Sr. Maintenance & Operations Technician	Operations phasing, estimating, utility coordination	\$220.00
Construction Management Manager	Oversite of construction management staffing, resource allocation, QA/QC, contract review/mediation	\$259.00

Exhibit B-1**Bridge Inspection - Category 3
Wastewater Planning and Design - Category 12**

Environmental Services		
GIS Technician	GIS Services	\$131.00
Environmental Technician	Environmental science, engineering report preparation	\$139.00
Jr. Environmental Scientist	Environmental science, engineering report preparation	\$155.00
GIS Analyst	GIS Services	\$161.00
Environmental Scientist	Environmental science, engineering report preparation	\$172.00
GIS Analyst/Programmer	GIS services oversight, QA/QC	\$178.00
Environmental Scientist II	Environmental science, engineering report preparation	\$187.00
Sr. Environmental Scientist	Environmental science, engineering report preparation	\$195.00
Principal Engineer / Scientist	Environmental science, engineering report quality control, project management	\$220.00
Managing Engineer / Scientist	Environmental science, engineering report quality control, project and contract management	\$250.00

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

REIMBURSABLE EXPENSES

Sub: _____

The additional expenses reimbursable by the City shall include the actual cost to reproduce drawings and specifications requested by the City. Travel/transportation costs shall not be reimbursed by the City for Primes.

Actual Costs

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

SUB TEAM MEMBERS

Sub: Bridge Diagnostics, Inc. (BDI)

List **ALL** potential personnel titles/classifications that may be utilized under the contract 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	Makes decisions and recommendations that are authoritative and have an important impact on extensive organizational activities. Manages all technical phases of engineering projects, provides guidance to the engineering teams working on the project, and assures the successful achievement of technical project goals.	\$263.32
Sr. Engineer	Independently applies extensive and diversified knowledge of principles and practices in broad areas of assignments and related fields. Works on a major project or several projects of moderate scope with complex features. Reviews completed project documents for conformity and quality and supervises staff to assure project completion.	\$209.99
Project Manager	Manages all phases of project. Ensures necessary resources are available to ensure project completion. Supervises a staff of engineers and technicians. Plans, schedules, or coordinates the preparation of documents or activities for multiple projects.	\$176.65
Project Engineer	Acquires general knowledge of principles and practices of related fields, and ability to function on multidisciplinary teams. Works on multiple projects of moderate size or portions of major projects. Prepares project documents, designs, analyzes and interprets data, and formulates and solves problems. Plans and coordinates detailed aspects of engineering work, prepares scopes and schedules for assignments.	\$149.99
Engineering Tech	Uses advanced techniques in the modification or extension of standard practices to complete	\$123.33

Exhibit B-1

Bridge Inspection - Category 3

	assignments. Works on a major project or several projects of moderate scope with complex features. Reviews completed project documents for conformity and quality and supervises staff to assure project completion.	
Staff Engineer	Evaluates, selects, and applies standard techniques, procedures, and criteria to perform a task or sequence of tasks for conventional projects with few complex features. Collaboratively uses judgment to determine adaptations in methods for nonroutine aspects of assignments. Works on small projects or portions of larger projects.	\$136.66
Assistant Engineer	Acquires basic knowledge and develops skills in a specific practice area. Applies standard techniques, procedures, and criteria to perform assigned tasks as part of a broader assignment. Exercises limited judgment on details of work and in application of standard methods for conventional work.	\$123.33
Graduate Engineer	Recent B.S. or higher graduate that performs basic engineering functions, CAD work, or other work within a larger scope.	\$103.33
Sr. Tech	Evaluates, selects, and applies standard techniques, procedures, and criteria to perform a task or sequence of tasks for conventional projects with few complex features. Collaboratively uses judgment to determine adaptations in methods for nonroutine aspects of assignments. Works on small projects or portions of larger projects.	\$103.33
Tech	Acquires limited knowledge and develops basic skills. Applies prescribed techniques and procedures in accordance with established criteria to perform assigned tasks. Performs routine technical work which does not require previous experience.	\$99.99
Accountant	Maintains fiscal records and financial reports and documentation. Oversees and administers corporate compliance, legal, licensing, insurance, regulatory compliance and human resource activity. Manages	\$176.65

Exhibit B-1

Bridge Inspection - Category 3

	payroll, corporate taxes, sales taxes, purchase and equipment orders and licensing.	
Project Admin	Administers contract activities, performance requirements, and fulfillment of contract requirements and documentation management.	\$83.33

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REIMBURSABLE EXPENSES

Sub: _____

The additional expenses reimbursable by the City shall include the actual cost to reproduce drawings and specifications requested by the City. Travel/transportation costs shall not be reimbursed by the City for Primes.

Actual Costs

Item

Copies (8 1/2 x 11")

Copies (8 1/2 x 14")

Red-line copies

Reproducibles

Charge Rate

\$ _____ / each

\$ _____ / each

\$ _____ / S.F.

\$ _____ / page

Exhibit B-1 Bridge Inspection - Category 3 Wastewater Planning and Design - Category 12

SUB TEAM MEMBERS

Sub: HCL Engineering & Surveying, LLC

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

Title/Classification	Responsibilities	Rate/Hr.
Principal	Contract compliance/oversight	\$225.00
Director of Surveying & Mapping	Project management, responsible for project deliverables.	\$210.00
Senior Project Manager	Directs surveying operations, client coordination	\$190.00
Project Manager	Provides project supervision	\$180.00
SUE Manager	Directs SUE investigations, client coordination	\$190.00
Senior Project Surveyor	Provides calculation, reports and field oversight	\$165.00
Project Surveyor	In charge of field crews	\$135.00
Field Coordinator	In charge of field crews	\$155.00
Senior CAD Technician	Provides supervision of drafting of surveys	\$145.00
CAD Technician	Provides drafting of surveys	\$125.00
2-Man Crew - Party Chief	Organizes the efficiency of the field survey crew, calculates and records field data	\$160.00
2-Man Crew - Instrument Operator	Performs data collection/stake out with support	\$ 90.00
1-Man Crew - Party Chief	Organizes the efficiency of the field survey crew, calculates and records field data	\$160.00
Utility Locator	Performs utility locates	\$135.00
UAV Pilot	Performs robotic survey data collection	\$125.00
Administrative	Provides administration of project	\$110.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.96 .

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

Exhibit B-1 Bridge Inspection - Category 3
Wastewater Planning and Design - Category 12

REIMBURSABLE EXPENSES

Sub: HCL Engineering & Surveying, LLC

The additional expenses reimbursable by the City shall include the actual cost to reproduce drawings and specifications requested by the City. Travel/transportation costs shall not be reimbursed by the City for Primes.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 1/2 x 11")	\$ <u>0.10</u> / each
Copies (8 1/2 x 14")	\$ <u>0.14</u> / each
Red-line copies	\$ <u>1.00</u> / S.F.
Reproducibles	\$ <u>6.00</u> / page

SUB TEAM MEMBERS

Sub: Martinez Associates, Inc.

List **ALL** potential personnel titles/classifications that may be utilized under the contract 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 Professional	Principal-in-charge, project management, senior technical review	\$248.00
Senior Professional	Project management, technical review, project supervision	\$175.00
Staff Professional	Field investigation, engineering analysis, report preparation	\$116.00
Certified Eng. Tech.	Field and laboratory testing, inspection and observation	\$88.00
Engineering Tech.	Field and laboratory testing and observation	\$83.00
Laboratory Manager	Supervision and performance of laboratory testing	\$121.00
Clerical	Preparation of reports, invoicing and scheduling	\$48.00
	Unit rates for laboratory tests are attached	

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

REIMBURSABLE EXPENSES

Sub: Martinez Associates, Inc.

The additional expenses reimbursable by the City shall include the actual cost to reproduce drawings and specifications requested by the City. Travel/transportation costs shall not be reimbursed by the City for Primes.

Actual Costs

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

SOIL AND AGGREGATE TESTS

Standard Proctor, ASTM D698	\$143.00
Modified Proctor, ASTM D1557	\$160.00
Particle Size Analysis, ASTM D42252.00	
• Fine Sieve (from +#200 to #4).....	\$102.00
• Coarse Sieve (from +#200 to 3")...	\$127.00
• Coarse Sieve (retained on #4).....	\$109.00
• Hydrometer.....	\$121.00
Percent Passing #200 Sieve, ASTM D1140...	\$79.00
Atterberg Limits, ASTM D4318	
• Three points	\$103.00
• One point	\$83.00
Moisture Content	
• Moisture Content & Dry (Bulk) Density, ASTM D2216 and D2937	\$24.00
• Moisture Content, ASTM D2216	\$20.00
Water Soluble Sulfate... ..	\$66.00
Organic Content, ASTM D2974	105.00
Unconfined Compression, ASTM 2166	\$105.00
Unconfined Compression (remolded).....	\$132.00
Swell/Settlement	\$105.00
Swell/Settlement, Remolded	\$132.00
Specific Gravity and Absorption	
• Coarse Aggregate, ASTM C127	\$73.00
• Fine Aggregate, ASTM C128.....	\$70.00
Unit Weight of Aggregate, ASTM C29.....	\$70.00

CONCRETE TESTS

Compression Test, ASTM C39	
• Compression	\$24.00
• Flexure Test Beams	\$77.00
Light Weight Concrete, ASTM C39	
• Compression	\$24.00
Specimen Preparation, Trimming or Coring ..	\$70.00
Core Compression Test, ASTM C12.....	\$73.00
Generator and Coring Machine, per day	\$330.00

MASONRY TESTS

Moisture Content, as received.....	\$42.00
Absorption	\$85.00
Compression	\$24.00
Net Area and Volume.....	\$42.00
Trimming.....	\$91.00
Compression Test	
• UngROUTED prisms	\$138.00
• Grouted prisms	\$149.00
• 2" x 4" Mortar Cylinder.....	\$24.00
• 3" x 6" Grout Prisms.....	\$72.00
• 2" Cubes, ASTM C109	\$24.00

MOISTURE EMISSION TEST

Vapor Emission Test Kit	\$48.00
RH Test Probe	\$194.00

ASPHALTIC CONCRETE

Asphalt Content with Gradation.....	\$297.00
AC Ignition Oven Mix Calibration	\$545.00
Max. Specific Gravity of Mix, (Rice Method)	\$182.00
Unit Weight of Core or Compacted Sample ..	\$66.00
Generator and Coring Machine	\$330.00

VIBRATION MONITORING

Vibration Monitoring Equipment	By Proposal
Calibration/Project.....	\$605.00

Outside Services, at cost plus 15 percent

Conditions: Unit rates presented on this fee schedule are for routinely performed geotechnical laboratory and construction material tests. Numerous other earth material and construction material physical tests can be performed in our laboratory, including rock core, soil cement and soil lime mixture tests. Tests not listed can be quoted upon request. Prices assume that samples are uncontaminated. Test results requiring plots will be presented in a publishable format generated from computer programs. Otherwise, raw test numbers will be presented. Geotechnical testing does not include engineering and/or geologic review and analysis. All fees presented in this schedule assume that the client will deliver samples to our laboratory at no additional cost to Martinez Associates.

Any laboratory testing requiring expedited completion will be billed on an hourly basis, based on the hourly rates herein.

Exhibit B - Water Planning and Design - Category 12

Exhibit B - Rates - Category 2 SUB-CONSULTANT TEAM MEMBERS

Firm Name: NEI Electric Power Engineering, Inc.

Category: Electrical/ I&C Design

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.
CAD Operator III	CAD Drafting	\$140
Engineer I	Engineering Design and Reports	\$125
Engineer III	Engineering Design and Reports	\$159
Project Engineer	Engineering Design and Reports	\$196
Senior Engineer	Engineering Design and Reports	\$213
Project Manager	Engineering Design and Reports	\$205
Principal Engineer	Engineering Design and Reports	\$297

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

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.

SUB TEAM MEMBERS

Sub: Parks & Gardens LLC dba StudioCPG

List **ALL** potential personnel titles/classifications that may be utilized under the contract 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, Construction Documents, Construction Observation, Quality Review, Contracting, Billing	\$220
Sr. Project Manager	Design, Construction Documents, Construction Observation, Quality Review, Project Management	\$135
Sr. Landscape Architect	Design, Construction Documents, Construction Observation, Project Management	\$127
Staff Landscape Architect	Design, Construction Documents, Construction Observation	\$117
Landscape Designer I	Design Development, Construction Documents, Production	\$90
Graphic Designer	Graphic Design	\$85
Intern	Office Support, Production	\$65
Administration	Administration, Clerical Support	\$75

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

REIMBURSABLE EXPENSES

Sub: Parks & Gardens LLC dba StudioCPG

The additional expenses reimbursable by the City shall include the actual cost to reproduce drawings and specifications requested by the City. Travel/transportation costs shall not be reimbursed by the City for Primes.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 1/2 x 11")	\$ <u>1.00</u> / each
Copies (8 1/2 x 17")	\$ <u>1.25</u> / each
Red-line copies	\$ <u>6.00</u> / S.F.
Reproducibles	\$ <u>6.00</u> / page or at cost

Exhibit B-1 Water Planning and Design - Category 12 SUB TEAM MEMBERS

Sub: Pinyon Environmental, Inc.

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

Title/	Responsibilities	Rate/Hr.
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.	\$250
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.	\$235
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.	\$210
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.	\$185
Project Specialist	Reports to Regulatory and Oversight Agencies, Preparation of Permits, GIS Library Development and Data Analysis, Technical Review of Documents	\$160
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.	\$150
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	\$140
Staff I Technician	Groundwater Sampling, Sampling During UST Removals, Surveyor's Assistant	\$120
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.	\$130
Project Assistant	Maintain Field Equipment, Data Management	\$130
Administration	Word Processing, Clerical	\$105

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

REIMBURSABLE EXPENSES

Sub: Pinyon Environmental, Inc.

The additional expenses reimbursable by the City shall include the actual cost to reproduce drawings and specifications requested by the City. Travel/transportation costs shall not be reimbursed by the City for Primes.

Actual Costs

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

Exhibit B-1
Wastewater Planning and Design - Category 12
Firm Name: San Engineering, LLC

Title/Classification	Responsibilities	Rate/Hr.
Principal Engineer	Design / Management	\$175.00
Structural Group Manager	Design / Management	\$175.00
Sr. Project Engineer	Design / Coordination	\$155.00
Project Engineer	Design / Production	\$145.00
Sr. CAD/BIM Drafter	Drafting / Design / Production	\$140.00
Drafter	Drafting	\$125.00