

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 **WSP USA INC.**, a New York corporation registered to do business in Colorado, whose address is 1600 Broadway, Suite 1100, Denver, CO 80202 (the “Consultant”), jointly (“the Parties”).

RECITALS:

A. The Parties entered into an Agreement dated January 8, 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 **TWELVE MILLION SEVEN HUNDRED FIFTY THOUSAND DOLLARS AND ZERO CENTS (\$12,750,000.00)**. 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-202369409-01 [202056630-01]
Contractor Name: WSP USA 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-202369409-01 [202056630-01]
WSP USA Inc.

By:  B364E87E0917477...

Name: John Rohner
(please print)

Title: SVP, CO/WY Local 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 Design	2	\$4,000,000.00	22%

Short Description:

Design and analysis for bridge, culvert, and retaining wall structures

Definition:

Work in this category is related to the design of new bridges, bridge replacements, bridge rehabilitation, and bridge preservation projects. Structural work may also include culverts or retaining walls. Tasks and deliverables to support bridge design are included. Standalone bridge inspections will be addressed in another category.

Primary Scope Elements:

- Structural design and plan development for bridge or wall replacements and rehabilitations
- Structural analysis of new and existing bridges
- Load ratings for vehicular bridges per CDOT requirements using AASHTO BrR Software
- Provide a detailed review of work performed by other designers
- Structure Selection Reports for vehicular bridges, pedestrian bridges and wall structures
- Provide plans, specifications, quantities, and cost estimate preparation per CDOT requirements
- Construction support, including shop drawing review, RFIs, and value engineering proposals
- Structural consultation

Secondary Scope Elements:

- General requirements required in the contract
- Bridge inspections to support design efforts
- Staff augmentation
- Project Management
- Geotechnical investigations
- Survey
- Environmental Engineering (field research and testing, historical, wetlands, general NEPA support)
- Utility engineering and coordination
- Railroad, RTD, and DTO coordination
- Grant writing and management
- Permitting
- Real Estate
- Public involvement
- Additional tasks as required

Skills and Requirements:

- Bridge design and analysis experience
- Technical writing
- Current bridge design software
- Experience with current design codes and standards

Exhibit A-1

Category Name	Category Number	Category Amount	M/WBE Goal Commitment
Multimodal and Transportation Planning	5	\$1,250,000.00	30%

Short Description:

Planning services for multimodal projects and general transportation efforts

Definition:

Work in this category is related to planning for multimodal projects and general transportation efforts. Work will include large-scale, citywide planning efforts, network plans, corridor plans, location assessments and recommended improvements, systematic application plans, program implementation plans that include fiscal analysis, and next steps studies. Work will support pedestrian, bike, transit, freight, curbside management, parking, vision zero, congestion mitigation, corridor operations, smart cities, transportation demand management, safe routes to school, grant applications, adaptive streets, and strategic mobility efforts.

Primary Scope Elements:

- Multimodal planning
 - Existing conditions research
 - Project assessments, conceptual design, and project scope definition
 - Alternatives analysis
 - Public involvement management
 - Program evaluation and prioritization
 - Development of assessment and analytic tools
 - GIS analyzation
 - Pedestrian/Bike/Transit/Parking/Vehicle counts
 - Modeling/Traffic analysis
 - Data collection and evaluation
 - Determine vision/goals/measures
 - Development of measures/metrics and reports
- Programming and Fiscal
 - Grant application support
 - Funding analysis
 - Project budget development
 - Work phase scheduling
 - Risk analysis
 - 1, 5, and 10-year implementation plans
 - Guidelines and process development
- Policy, Process, and Guideline Development
 - Policy review and develop guidance and education briefs
 - Develop process procedures, guidelines and tools/implementation kits for work activities
 - Help strategically develop programs

- Conceptual Design
 - Planning and engineering support to conduct project assessments (10% design)
 - Engineering support to conduct on-site assessments to determine infrastructure improvements
 - Engineering support to complete work orders
 - Engineering support to conduct road safety/school safety assessments

Secondary Scope Elements:

- General requirements required in the contract
- Staff augmentation
- Project Management
- Additional tasks as required

Skills and Requirements:

- Planning experience
- Traffic Engineering
- AutoCad
- Visual Design
- Technical writing

Exhibit A-1

Category Name	Category Number	Category Amount	M/WBE Goal Commitment
Program and Project Management	13	\$7,500,000.00	35%

Short Description:

Development and implementation of program management best practices, procedures, tools, and techniques.

Definition:

Work in this category will include provision of professional services related to the development and implementation of best practices, procedures, tools, and techniques related to the programmatic delivery of capital infrastructure projects. Work may also include providing project management services in the form of staff augmentation and/or specialty support services. Qualified firms must be able to provide program management, project management, and construction management.

Primary Scope Elements:

- Professionally facilitated workshops for organizational development, including:
 - Chartering of program teams
 - Risk register development
 - Development of governance
 - General team building
- Current state and “path forward” alternatives analysis
- Strategy development
- Implementation recommendations
- Performing a “gap analysis” with a report and recommendations on how to bridge resource shortfalls
- Providing highly specialized staff to augment program delivery with roles in:
 - Scheduling
 - Cost estimating
 - Contracting and procurement
 - Establishment of program document management procedures and systems
- Project Management
- Construction Management and oversight (including construction administration and inspection services)

Secondary Scope Elements:

- General requirements required in the contract
- Additional tasks as required

Skills and Requirements:

- Program management experience that includes demonstrated experience as the prime program management consultant on at least three (3) municipal government-led, integrated capital improvement programs with a program capital value of at least \$100 million each. Verifiable staff and company experience in the initiation, planning, execution, monitoring, controlling and closeout of programs using industry best practices in strategic planning, scope and change management, risk, quality, and document management, stakeholder management and outreach, and communications. Demonstrated expertise in the use of Primavera P6 for development and maintenance of cost and resource-loaded schedules. Ability to perform independent cost estimates in accordance with AACE International Recommended Practice. Ability to establish SharePoint sites and optimization of file structures. Demonstrated experience in management of design and construction management consultants and alternative delivery contracts (CMGC and design/build) as well as experience in serving as an owner's advisor. Experience in performing program audits and gap analysis and facilitation of workshops and training session.
- Project management capabilities including cost, schedule, and stakeholder management in a matrix-style management structure with coordination across multiple functional groups.

Exhibit B-1

Category 2, 5 & 13

Firm Name: WSP USA Inc.

Title/Classification	Responsibilities	Rate/Hr.
Sr. Project Manager	Project management, team coordination, project coordination	\$273
Project Manager	Project management, team coordination, project coordination	\$214
Sr. Program Manager	Project management, team coordination, project coordination	\$425
Program Manager	Project management, team coordination, project coordination	\$217
Associate Consultant I	Entry level Consultant with 0-1 yr experience	\$124
Associate Consultant II	Entry level Consultant with 1-2 yrs experience	\$135
Associate Consultant III	Entry level Consultant with 2-3 yrs experience	\$152
Consultant I	Consultant with 3-4 yrs experience	\$133
Consultant II	Consultant with 4-5 yrs experience	\$152
Consultant III	Consultant with 6-7 yrs experience	\$178
Principal Consultant I	Consultant with 8-10 yrs experience	\$245
Principal Consultant II	Consultant with 10-15 yrs experience	\$272
Principal Consultant III	Consultant with 15+ yrs experience	\$301
Lead Financial Planner/Analyst	Financial Planner with 5+ years experience	\$155
Financial Planner Specialist	Financial Planner with 10+ years experience	\$226
Planner In Training	Entry level Planner with 0-1 yr experience	\$70
Assistant Planner	Entry level Planner with 2-3 yrs experience	\$92
Planner I	Planner with 3-4 yrs experience	\$107
Planner II	Planner with 4-5 yrs experience	\$118
Senior Planner	Planner with 6-7 yrs experience	\$136
Lead Planner	Planner with 8-10 yrs experience	\$178
Supervising Planner	Planner with 8-10 yrs experience that manages others	\$213
Senior Supervising Planner	Managing Planner with +10 yrs experience	\$232
Senior Planning Manager	Managing Planner with +12 yrs experience	\$273
Planning Manager	Planner with +15 yrs experience that manages a department	\$336
Drafter I	Entry level Drafter with 0-1 yr experience	\$62
Drafter II	Entry level Drafter with 2-3 yrs experience	\$85

Exhibit B-1Firm Name: WSP USA Inc.

Title/Classification	Responsibilities	Rate/Hr.
Senior Supervising Drafter	Drafter with +5 yrs experience that manages others	\$135
CADD Operator I	CADD Operator with 0-2 years experience	\$67
CADD Operator II	CADD Operator with 2-3 years experience	\$81
CADD Operator III	CADD Operator with 3-4 years experience	\$93
Senior CADD Operator I	CADD Operator with +5 years experience	\$116
Senior CADD Operator II	CADD Operator with +10 years experience	\$142
Senior CADD Operator III	CADD Operator with +15 years experience	\$145
CADD Designer I	CADD Designer with 0-2 years experience	\$72
CADD Designer II	CADD Designer with 2-3 years experience	\$83
CADD Designer III	CADD Designer with 3-4 years experience	\$93
Senior CADD Designer I	CADD Designer with +5 years experience	\$125
Senior CADD Designer II	CADD Designer with +10 years experience	\$129
Senior CADD Designer III	CADD Designer with +15 years experience	\$156
Supervising Designer	CADD Designer that supervises a team	\$143
CADD Supervisor I	CADD Designer that supervises a group	\$174
CADD Manager I	CADD Designer with +20 yrs experience that manages a group	\$183
CADD Manager II	CADD Designer with +25 yrs experience that manages a group	\$192
Engineer In Training	EIT with 0 - 4 years of experience, responsible for specific design	\$90
Assistant Engineer	EIT with 2 - 5 years of experience, responsible for specific design	\$102
Engineer I	EIT with 3 - 8 years of experience, responsible for specific design	\$112
Engineer II	Professional Engineer/EIT with 4 - 8 years of experience,	\$147
Senior Engineer	Professional engineer with 5 - 15 years experience, acts as a task	\$152
Lead Engineer	Professional Engineer with technical expertise in a specific	\$192
Principal Engineer	Professional Engineer with technical expertise in a specific	\$222
Senior Principal Engineer	Professional Engineer with technical expertise in a specific	\$276
Engineering Manager	Professional Engineer with 15 - 20 years of experience, leads	\$244
Senior Engineering Manager	Professional Engineer with 20+ years of experience, leads	\$273

Exhibit B-1Firm Name: WSP USA Inc.

Title/Classification	Responsibilities	Rate/Hr.
Assistant Technical Specialist	Entry level Technician with 0-2 yrs experience	\$87
Technical Specialist I	Technician with 2-3 yrs experience	\$114
Technical Specialist II	Technician with 3-4 yrs experience	\$139
Technical Specialist III	Technician with 4-5 yrs experience	\$148
Supervising Technician	Technician with +5 yrs experience who supervises a group	\$135
Senior Technical Specialist	Technician with 5-10 yrs experience	\$179
Senior Principal Technical Specialist	Technician with +10 yrs experience	\$256
Technical Manager	Technician with +15 yrs experience	\$344
Senior Technical Manager	Technician with +20 yrs experience	\$471
Lead Scheduler	Scheduler with +5 yrs experience	\$192
Senior Supervising Scheduler	Scheduler with +10 yrs experience	\$287
Environmental Engineer I	Environmental Engineer with 0-5 yrs experience	\$106
Senior Environmental Engineer	Environmental Engineer with 5-7 yrs experience	\$152
Lead Environmental Engineer	Environmental Engineer with 7-10 yrs experience	\$161
Supervising Environmental Engineer	Environmental Engineer with +10 yrs experience	\$178
Senior Senior Supervising Environmental Engineer	Environmental Engineer with +15 yrs experience	\$222
Environmental Manager	Environmental Engineer with +20 yrs experience	\$301
Assistant Environmental Scientist	Entry level Enviro Scientist with 0-2 yrs experience	\$93
Environmental Scientist I	Enviro Scientist with 2-5 yrs experience	\$107
Environmental Scientist II	Enviro Scientist with 5-7 yrs experience	\$128
Senior Environmental Scientist	Enviro Scientist with 7-10 yrs experience	\$146
Lead Environmental Scientist	Enviro Scientist with +10 yrs experience	\$166
Supervising Environmental Scientist	Enviro Scientist with +15 yrs experience	\$182
Senior Senior Supervising Environmental Scientist	Enviro Scientist with +20 yrs experience	\$262
Geologist I	Geologist with 0-2 years experience	\$119
Geologist II	Geologist with 2-3 years experience	\$126
Lead Geologist	Geologist with 4-5 years experience	\$172

Exhibit B-1Firm Name: WSP USA Inc.

Title/Classification	Responsibilities	Rate/Hr.
Supervising Geologist	Geologist with 5-10 years experience	\$207
Senior Supervising Geologist	Geologist with +10 years experience	\$259
Supervising Archaeologist	Archaeologist with 5-10 years experience	\$191
Construction Coordinator	Performs on-site observation and monitors and documents work	\$78
Sr Construction Coordinator	Performs on-site observation and monitors and documents work	\$123
Supervising Construction Coordinator	Performs on-site observation and monitors and documents work	\$130
Senior Supervising Construction Coordinator	Oversees construction projects, reviews and prepares progress	\$156
Construction Service Manager	Oversees construction programs, reviews overall project progress	\$441
Assistant Architect	Entry level Architect with 0-2 yrs experience	\$99
Architect I	Architect with 3-4 yrs experience	\$103
Architect II	Architect with 4-5 yrs experience	\$116
Senior Architect	Architect with 5-6 yrs experience	\$150
Lead Architect	Architect with 6-8 yrs experience	\$187
Supervising Architect	Architect with 8-10 yrs experience	\$207
Senior Supervising Architect	Architect with +10 yrs experience	\$283
Senior Architectural Manager	Architect with +15 yrs experience	\$315
Inspector I	Inspector with 3-4 yrs experience	\$85
Inspector II	Inspector with 4-5 yrs experience	\$100
Senior Inspector	Inspector with 6-8 yrs experience	\$118
Supervising Inspector	Inspector with 8-10 yrs experience	\$134
Senior Supervising Inspector	Inspector with +10 yrs experience	\$160
Principal Supervising Inspector	Inspector with +15 yrs experience	\$190
Supervising Surveyor	Surveyor with 8-10 yrs experience	\$156
Senior Estimator	Estimator with 6-8 yrs experience	\$160
Supervising Estimator	Estimator with 8-10 yrs experience	\$204
Senior Supervising Estimator	Estimator with +10 yrs experience	\$289
Admin Assistant I	Entry level Admin Support with 0-2 yrs experience	\$70

Exhibit B-1Firm Name: WSP USA Inc.

Title/Classification	Responsibilities	Rate/Hr.
Admin Assistant II	Admin Support with 2-5 yrs experience	\$81
Admin Manager I	Admin Manager with +5 yrs experience	\$97
Admin Manager II	Admin Manager with +10 yrs experience	\$114
Contract Admin I	Contract Admin with 0-5 yrs experience	\$102
Contract Admin II	Contract Admin with 5-10 yrs experience	\$132
Contract Admin III	Contract Admin with 10-20 yrs experience	\$165
Project Accountant I	Project Admin with 0-2 yrs experience	\$92
Project Accountant II	Project Admin with 2-4 yrs experience	\$106
Project Accountant III	Project Admin with +5 yrs experience	\$118
Senior Project Accountant	Project Admin with +10 yrs experience	\$144
Principal	Manages office staff with +10 yrs experience	\$308
Document Control Coordinator	Oversees the identification, collection and management of	\$96
Project Controls Specialist	Plans, executes, and finalizes the operation of sections of a	\$138
Senior Project Controls Specialist	Plans, executes, and finalizes the operation of sections of a	\$193
Senior Project Controls Manager	Plans, executes, and finalizes the operation of sections of a	\$272
Computer Graphics Specialist	Required to meet identified business needs. Responsible for prototype, design, and build graphic	\$128
Senior Lead Computer Graphics Specialist	Other applications Specializes in designing and architecting computer	\$160
Computer Operations Manager	Oversees the day-to-day operations of the computer equipment	\$190
Computer Systems Specialist	Ensures the stability, integrity, and efficient operation of the in-	\$223
Senior Manager of Systems Applications	Provides both remote and on-site client services, management overview of remote and local Systems	\$228
HTML Developer	Coding services for web page development	\$126
UI/UX Web Graphic Designer	Develops responsive web-based deliverables	\$135
Design Visulation Specialist	3d modeling, rendering and animation	\$138
Sr. Design Visulation Specialist	3d modeling, rendering and animation	\$306
Software Engineer	Software engineering and program for front-end software tools	\$182
Risk Analyst		\$3
Financial Analyst	Analyzes past and present financial data of organization and estimates future revenues	\$110

Exhibit B-1

Firm Name: WSP USA Inc.

Title/Classification	Responsibilities	Rate/Hr.
Public Involvement		\$138
Quality Control		\$177

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.643

On Call Engineering Services

Attachment 5

7.10.23

Exhibit B-1

Category 5, Multimodal & Transportation Planning

SUB TEAM MEMBERSPrime: ACL, 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/President	Assignment of resources, quality assurance	\$185
Principal/Vice President	Assignment of resources, quality assurance	\$182
Engineering Specialist	Engineering technical specialist	\$180
Senior Project Manager	Project management, budget, coordination	\$178
Project Manager	Project management, budget, coordination	\$173
Senior Project Engineer	Design, analysis, drawings, studies, specs, estimate, reports	\$168
Project Specialist	Project specific support, data analysis, reports	\$163
Project Engineer	Design, analysis, drawings, studies, reports	\$160
Engineer III	Design, analysis, drawings, studies, reports	\$155
Engineer II	Design, analysis, drawings, studies, reports	\$150
Engineer I	Design, analysis, drawings, studies, reports	\$147
Senior Designer	CADD management, design, exhibits, plan management	\$132
Designer II	CADD, preparation of drawings, maps, exhibits, figures	\$128
Designer I	CADD, preparation of drawings, maps, exhibits, figures	\$122
Technician II	CADD, preparation of drawings, data collection	\$118
Technician I	CADD, preparation of drawings, data collection	\$115
Administrative Assistant	Administrative Support	\$110

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**REIMBURSABLE EXPENSES**

Prime: ACL, 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>0.25</u> / each
Red-line copies	\$ <u>Invoice</u> / S.F.
Reproducibles	\$ <u>Invoice</u> / page

Exhibit B-1

Category 5, Multimodal & Transportation Planning

SUB TEAM MEMBERSSub: Cambridge Systematics, 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	Oversight, QA/QC	\$ 386.40
Senior Planner	Planning Studies	\$ 286.72
Planner III	Planning Studies	\$ 257.60
Planner II	Planning Studies	\$ 196.00
Planner I	Planning Studies	\$ 162.40
Jr. Planner	Planning Studies	\$ 132.16
Software Engineer	Software Design	\$ 380.80
Sr. Programmer	Software Development	\$ 305.76
Programmer III	Software Development	\$ 255.36
Programmer II	Software Development	\$ 203.84
Programmer I	Software Development	\$ 166.88
Jr. Programmer	Software Development	\$ 129.92
Sr. Modeler Travel Demand	Modeling/Data Analysis	\$ 357.28
Modeler III Travel Demand	Modeling/Data Analysis	\$ 265.44
Modeler II Travel Demand	Modeling/Data Analysis	\$ 217.28
Modeler I Travel Demand	Modeling/Data Analysis	\$ 189.28
Jr. Modeler Travel Demand	Modeling/Data Analysis	\$ 159.04
Sr. Graphic Designer	Business Graphics	\$ 198.24
Graphic Designer	Business Graphics	\$ 163.52
Document Specialist	508 Compliance	\$ 170.24
Jr. Document Specialist	Document Production	\$ 114.24

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

REIMBURSABLE EXPENSES

Sub: Cambridge Systematics, 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")	\$__0.25_/ each
Copies (8 1/2 x 14")	\$__0.50_/ each
Red-line copies	\$__At cost_/ S.F.
Reproducibles	\$__At cost_/ page

Exhibit B-1

Category 2, Bridge Design

SUB-CONSULTANT TEAM MEMBERSFirm Name: Clanton & Associates

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

Title/Classification	Responsibilities	Rate/Hr.
Chief Executive Officer	Visioning, Project Approach, Quality Control	\$355
President	Contracts, Staffing, Project Oversight, Professional Engineering, Quality Control	\$340
Principal	Contracts, Staffing, Project Oversight, Professional Engineering, Quality Control	\$255
Associate	Contracts, Staffing, Project Oversight, Professional Engineering, Quality Control	\$240
Senior Engineer II	Project Management, Electrical Engineering, Quality Control	\$230
Senior Engineer I	Project Management, Electrical Engineering, Quality Control	\$195
Engineer II	Lighting Design, Electrical Engineering, Project Support	\$165
Engineer I	Lighting Design, Electrical Engineering, Project Support	\$145
Senior Designer II	Project Management, Lighting Design, Quality Control	\$225
Senior Designer I	Project Management, Lighting Design, Quality Control	\$170
Designer II	Lighting Design, Project Support	\$150
Designer I	Lighting Design, Project Support	\$140
Intern	Lighting Design, Electrical Engineering, Project Support	\$110
Production Manager	CADD Production, Deliverables Management, Quality Control	\$215
Senior CADD Technician	CADD Production	\$140
CADD Technician	CADD Production	\$115
Marketing Manager	Marketing, Proposal Development, Contract Review	\$105
Office Manager	Invoicing, Office Administration	\$105

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.5.

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

Exhibit B-1

REIMBURSABLE EXPENSES

Sub-Consultant: Clanton & Associates

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

1. Actual cost of reproduction of drawings and specifications requested by the City.
2. Travel cost may apply for sub consultants not local to the project. Travel shall be pre-approved by the DOTI PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 1/2 x 11")	\$ ____ .07/ each
Copies (8 1/2 x 14")	\$ ____ .075/ each
Red-line copies	\$ ____ 1.25/ S.F.
Reproducibles	\$ ____ 1.25/ page

Exhibit B-1

Category 2, Bridge Design

SUB TEAM MEMBERSSub: Collins Engineers, 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.
Senior Engineering Technician Designer (T3)	Design and Drafting of Bridge plans	\$149
Junior Engineer (E1)	Basic design and analysis, CAD drafting	\$112
Junior Engineer (E2)	Basic bridge design and analysis – both new and maintenance design, CAD drafting	\$140
Engineer (E3)	Bridge design and analysis – development of plans for both new and maintenance projects. Bridge inspection as required for design work.	\$166
Engineer (E4)	Bridge design and analysis – development of plans for both new and maintenance projects. Bridge inspection as required for design work. Project Management	\$186
Senior Engineer (E5)	Bridge design and analysis - both new and maintenance design	\$231
Senior Engineer (E6)	Project Principal/QA Manager – responsible for contract management and supporting project management	\$256

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

Category 2, Bridge Design

Category 5, Multimodal and Transportation Planning

SUB TEAM MEMBERSSub: Communication Infrastructure Group (CIG)

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	Executive Oversight	\$226
Chief Creative Officer	Creative Oversight	\$205
Senior Counselor	Executive Oversight	\$205
Sr. Strategic Director	Strategic Counsel	\$200
Counselor III	Project Oversight	\$179
Counselor I	Project Oversight and Coordination	\$148
Account Supervisor	Project Management	\$135
Creative Art Director	Creative Project Management and Graphic Design	\$132
Senior Associate	Project Management and Coordination	\$127
Associate Creative Director	Creative Projects Coordination and Graphic Design	\$121
Associate II	Mid-Level Project Management and Coordination	\$104
Graphic Design	Graphic Design	\$100
Web Designer	Web Design	\$88
Associate I	Project Support	\$88
Administrative	Administrative Support	\$84
Specialist	Entry-Level Project Support	\$71

Exhibit B-1

Account Coordinator	Entry-Level Project Support	\$39

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

REIMBURSABLE EXPENSES

Sub: Communication Infrastructure Group (CIG)

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")	\$____.25____/ each
Copies (8 1/2 x 14")	\$____.25____/ each
Red-line copies	\$_____/ S.F.
Reproducibles	\$____.25____/ page

Exhibit B-1**SUB TEAM MEMBERS - Category 5**Sub: Conzor Engineers, LLC - Previously Apex DesignCategory: Multimodal & Transportation Planning

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 management, general project oversight, quality review, public involvement participation, business engagement, and project design troubleshooting.	\$ 248
Principal Engineer I	Project management, general project oversight, quality review, public involvement participation, business engagement, and project design troubleshooting.	\$ 232
Senior ITS Engineer III	Full responsibility for large, complex projects or a number of large projects. Provides direction for ITS engineering drawings, analysis, preparation of specifications and engineering estimates.	\$ 231
Senior Transportation Engineer III	Full responsibility for large, complex projects or a number of large projects. Provides direction for transportation engineering drawings, analysis and report preparation, preparation of specifications and engineering estimates.	\$ 223
Senior Project Manager	Full responsibility for large, complex projects or a number of large projects. Provides direction for engineering drawings, analysis and report preparation, preparation of specifications and engineering estimates.	\$ 211
Principal Planner	Manages and performs technical tasks for complex projects or a number of large projects. Identifies and resolves problems as they arise. Provides direction for planning reports, analysis and report preparation, preparation of technical graphics and planning-level cost estimates.	\$ 206
Group Manager	Senior project management, construction oversight and manages teams. Creates and manages construction schedules; Performs pre-and post- installation field reviews; shares lessons learned from installations, manages integration and testing in field.	\$ 186
Senior Transportation Engineer II	Contract management and general project oversight. Applies standard engineering techniques and procedures, professional judgment to make modifications or execute complex features or solutions on projects.	\$ 186
Senior Planner III	Project management, applies planning methods and procedures, professional judgment to make modifications or provide solutions on multimodal transportation projects. Public outreach, stakeholder engagement and consensus building. Provide technical guidance and leads tasks throughout project.	\$ 171
Senior Civil Engineer	Manages and performs technical tasks, preparation of engineering drawings, analysis, reports and specifications.	\$ 164
Senior ITS Engineer	Preparation of ITS engineering concepts, analysis, report preparation, design, and preparation of specifications and engineering estimates. Directs EIT work tasks.	\$ 165
Senior Planner II	Project management, applies planning methods and procedures, professional judgment to make modifications or provide solutions on multimodal transportation projects. Public outreach, stakeholder engagement and consensus building.	\$ 161
Senior ITS Specialist	Providing technical expertise for traffic and ITS tasks, overseeing and delivering projects, field work, analysis, preparation of plans, specification, estimates, and	\$ 152
Senior Transportation Engineer	Preparation of traffic and transportation engineering analysis, design, and report preparation, preparation of specifications and engineering estimates. Directs EIT work tasks.	\$ 155
Planner IV	Manages and supports preparation of technical analysis, data collection, GIS mapping, meeting and project graphics, and report preparation. Leads tasks associated with a <u>multimodal planning project</u> .	\$ 151
Transportation Engineer	Preparation of engineering drawings, analysis and report preparation.	\$ 151

Exhibit B-1

CI Level E	Performs and supervises complex construction tasks. Performs project management activities. Technical knowledge of engineering specifications and constructions quality requirements. Design plans, specifications; typical details; cost estimating; remote	\$ 146
Transportation Engineer	Preparation of engineering drawings, analysis and report preparation.	\$ 143
Planner III	Supports preparation of technical analysis, data collection, GIS mapping, meeting and project graphics, and report preparation.	\$ 140
ITS Engineer	Preparation of engineering drawings, analysis and report preparation for ITS specific projects.	\$ 130
Transportation Engineer	Preparation of engineering drawings, analysis and report preparations.	\$ 130
ITS Construction Specialist	Providing field reconnaissance, remote support, design clarifications for ITS tasks, overseeing and delivering projects, field work, analysis, preparation of plans, specification, and estimates.	\$ 130
EIT IV	Preparation of engineering drawings, analysis and report preparation.	\$ 130
Planner I	Supports preparation of technical analysis, data collection, GIS mapping, meeting and project graphics, and report preparation.	\$ 114
CI Level D	Field reconnaissance; design plans, specifications; typical details; cost estimating; remote support; design clarifications; field revisions; as-builts. Performs and supervises	\$ 130
CI Level C	Performs and supervises construction tasks. Thorough technical knowledge of construction requirements and standards	\$ 120
Senior TIM Coordinator	Manage and/or staff traffic management center	\$ 114
Engineering Designer III	Performs engineering analysis, design and drafting assignments under the general direction of a licensed professional engineer.	\$ 111
CI Level B	Performs construction inspection and documentation.	\$ 108
Planner	Supports preparation of technical analysis, data collection, GIS mapping, meeting and project graphics, and report preparation.	\$ 108
EIT III	Performs engineering analysis, design and drafting assignments under the general direction of a licensed professional engineer.	\$ 108
EIT II	Performs engineering analysis, design and drafting assignments under the general direction of a licensed professional engineer.	\$ 101
CI Level A	Performs general construction inspection and documentation. Entry Level	\$ 99
EIT	Performs engineering analysis, design and drafting assignments under the general direction of a licensed professional engineer.	\$ 95
Junior Transportation Planner	Supports preparation of technical analysis, data collection, GIS mapping, meeting and project graphics, and report preparation.	\$ 75
Intern	Performs data collection, analysis, and drafting assignments under the direction of professional staff	\$ 52
Project Administrator	Responsible for all accounting aspects of project.	\$ 138
Project Assistant	Performs word processing, report preparation, specifications, mailings and reproduction. Provides invoicing support and contract management.	\$ 93
Administrative Assistant	Performs word processing, report preparation, specifications, mailings and reproduction.	\$ 62
<p>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.</p>		

Exhibit B-1

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

SUB-CONSULTANT TEAM MEMBERS

Firm Name: DQP Enterprises, Inc.Category: 13

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.
President and Principal Consultant	Oversight; fill-in where needed – Program/Project Management, Strategy Development and Implementation, Organizational/Performance Excellence, Best Practices, Development/ Implementation/ Maintenance of Operational Systems/Process Improvements, Performance of Gap Analyses to Determine Current/ Future State with Recommendations to Bridge Shortfalls, Establishment of Document Management Systems/ Procedures, Quality Management Systems Development/ Implementation/ Maintenance, in addition to Workflow Development/ Implementation/ Maintenance	\$426.75/hour
Senior Program Manager	Program/Project Management, Strategy Development and Implementation, Organizational/Performance Excellence, Best Practices, Development of Governance, Risk Management, Chartering Program Teams and Team Building, Current State Analysis, Performance of Gap Analyses to Determine Current/ Future State with Recommendations to Bridge Shortfalls, Determine Appropriate Alternative Project Delivery Methods/Recommendations, Scrum, Six Sigma and Design for Six Sigma Projects, Quality Function Deployment, Concurrent Engineering, Lean Transactional and Kaizen Blitz, Statistical Process Control, Business Process Management, High Performance Teams, and the Creation of Balanced Scorecards and Dashboards and the Establishment of Document Management Procedures/ Systems	\$383.63/hour
Project Manager	Program/Project Management, Strategy Development and Implementation, Organizational/Performance Excellence, Best Practices, Development of Governance, Risk Management, Chartering Program Teams and Team Building, Current State Analysis, Performance of Gap Analyses to Determine Current/ Future State with Recommendations to Bridge Shortfalls, Determine Appropriate Alternative Project Delivery Methods/Recommendations, Scrum, Six Sigma and Design for Six Sigma Projects, Quality Function Deployment, Concurrent Engineering, Lean Transactional and Kaizen Blitz, Statistical Process Control, Business Process Management, High Performance Teams, and the Creation of Balanced Scorecards and Dashboards	\$341.00/hour
Senior Consultant	Program/Project Management, Strategy Development/Implementation, Organizational/Performance Excellence, Best Practices, Chartering Program Teams and Team Building, Risk Management, Developing Governance, Current/ Future State and Performing Gap Analyses with Recommendations Bridging Shortfalls, and the Establishment of Document Management Systems/ Procedures, Training, and Lean Six Sigma	\$298.38/hour

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 1.42 – Field office rate; .10 profit (the profit percentage number may need to be updated based on the results of contract negotiations)

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.

Exhibit B-1

- (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.

RFQ

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May 4, 2020

Exhibit B-1

Category 2, Bridge Design

SUB TEAM MEMBERSSub: Eugene Lynne

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	Project lead, design concepts, project oversight	\$177/hr
Professional Engineer	Plan and report production, project concepts, QA/QC	\$160/hr
Engineering Technician	Research, calculations, technical plan and report production	\$120/hr
Project Surveyor	Perform field and office tasks, direct Survey Technician	\$115/hr
Surveying Technician II	Perform field and office survey tasks, direct Survey Tech I	\$95/hr
Surveying Technician I	Perform field and office survey tasks	\$90/hr
One-Person Field Crew	Data Collection in Field (one person with vehicle and equipment)	\$153/hr
Two-Person Field Crew	Data Collection in Field (two person with vehicle and equipment)	\$192/hr

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

REIMBURSABLE EXPENSES

Sub: Eugene Lynne

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")	\$__0.75__ / each
Copies (8 1/2 x 14")	\$__1.00__ / each
Red-line copies	\$__2.75__ / S.F.
Reproducibles	\$__15__ / page

Exhibit B-1

Category 2, Bridge Design

SUB TEAM MEMBERSFirm Name: H.C. Peck & 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	Overall project management; property analysis/cost estimates; acquisition of property rights; business and residential relocations	185
Sr. Project Manager	Day to day project management; acquisition, relocation	165
Project Manager	Day to day project management; acquisition; relocation	145
Sr. ROW Agent	Acquisition; relocation	135
ROW Agent III	Acquisition; relocation	120
ROW Agent II	Acquisition; acquisition support; relocation	108
ROW Agent I	Acquisition support; relocation	97
Admin/Support Staff	Acquisition and relocation support	80
Title Staff	Title research; title commitments	150

The City will not compensate the consultant 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 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, and will be itemized as a not-to-exceed expense, and will be reimbursed at actual cost.

Exhibit B-1

REIMBURSABLE EXPENSES

Sub-Consultant: H.C. Peck & 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") (Courthouse)	\$0.25/ each
Copies (8 1/2 x 14") (Courthouse)	\$0.25/ each
SKLD document copies	\$3.80/each
Red-line copies	\$ <u>N/A</u> / S.F.
Reproducibles	\$ <u>N/A</u> / page

Exhibit B-1

REIMBURSABLE EXPENSES

Sub: LS Gallegos & 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

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

Category 2, Bridge Design

SUB TEAM MEMBERSSub: 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.

Exhibit B-1

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-1

Category 2, Bridge Design

SUB TEAM MEMBERSSub: Peak Consulting Group

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.
Engineering VP	Project management, technical advisory/QC	\$257.22
Environmental Manager	Task management and technical analysis and writing	\$198.55
Environmental Scientist III	Biological resource surveys, evaluations, and permitting	\$212.13
Environmental Specialist I	Research, data collection, report writing	\$121.04
Intern	Research, data collection,	\$65.15
Planner I	Research, data collection, report writing	\$87.43
Principal	Project and task management, technical advisory/QC	\$280.32
Project Controller II	Budget and schedule tracking and management	\$94.70
Project Controller IV	Budget and schedule tracking and management	\$196.70
Project Coordinator	Project administrative tasks and logistics	\$136.38
Project Coordinator III	Administrative, logistics, project coordination	\$160.62
Project Manager II	Project management	\$189.41
Project Manager III	Project management	\$203.98

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

Category 2, Bridge Design

REIMBURSABLE EXPENSES

Sub: Peak Consulting Group

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

\$ 0.19 / each

\$ 0.25 / each

\$ NA / S.F.

\$ 0.30 / page

Exhibit B-1

SUB TEAM MEMBERS

Category 2, Bridge Design

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.

Exhibit B-1

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

Category 2, Bridge Design

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

Exhibit B-1

Category 2, Bridge Design

SUB TEAM MEMBERSSub: SHANNON & WILSON, 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.
Senior Vice President	QA/QC, specialized technical expertise	\$330
Vice President	Senior level review, Principal-in-Charge	\$280
Senior Associate	Project Management. Develop project, cost, schedule and assign tasks, track progress, review submittals, oversee other staff.	\$240
Associate	Project Management. Develop project, cost, schedule and assign tasks, track progress, review submittals, oversee other staff.	\$210
Sr. Professional III	Geotechnical engineering design and preparation of reports. Pavement design. Construction observation of drilled caissons and other foundation elements.	\$185
Sr. Professional II	Geotechnical engineering design and preparation of reports. Pavement design. Construction observation of drilled caissons and other foundation elements.	\$170
Sr. Professional I	Geotechnical engineering design and preparation of reports. Pavement design. Construction observation of drilled caissons and other foundation elements.	\$150
Professional IV	Geotechnical Investigations, including soil borings and visual classification of soils. Construction observation of drilled caissons, driven piles, and other foundation elements.	\$135
Professional III	Geotechnical Investigations, including soil borings and visual classification of soils. Construction observation of drilled caissons, driven piles, and other foundation elements..	\$125
Professional II	Geotechnical Investigations, including soil borings and visual classification of soils. Construction	\$115

Exhibit B-1

	observation of drilled caissons, driven piles, and other foundation elements..	
Professional I	Geotechnical Investigations, including soil borings and visual classification of soils. Construction observation of drilled caissons, driven piles, and other foundation elements..	\$105
Sr. Technician	Lead Inspector. Field inspection/testing of soil subgrade preparation, asphalt, concrete, reinforcing steel, masonry, and spray-applied fireproofing. Construction observation of drilled caissons, driven piles, and other foundation elements. Laboratory testing for soil properties. QA/QC for conformance of materials, supplies, etc. to contract documents.	\$130
Technician IV	Field Inspection/testing of soil subgrade preparation, asphalt, concrete, reinforcing steel, masonry, and spray-applied fireproofing. Construction observation of drilled caissons, driven piles, and other foundation elements. Laboratory testing for soil properties.	\$120
Technician III	Field Inspection/testing of soil subgrade preparation, asphalt, concrete, reinforcing steel, masonry, and spray-applied fireproofing. Construction observation of drilled caissons, driven piles, and other foundation elements. Laboratory testing for soil properties.	\$110
Technician II	Field Inspection/testing of soil subgrade preparation, asphalt, concrete, reinforcing steel, masonry, and spray-applied fireproofing. Construction observation of drilled caissons, driven piles, and other foundation elements. Laboratory testing for soil properties.	\$90
Technician I	Field Inspection/testing of soil subgrade preparation, asphalt, concrete, reinforcing steel, masonry, and spray-applied fireproofing. Construction observation of drilled caissons, driven piles, and other foundation elements. Laboratory testing for soil properties.	\$80
Sr. Drafter	Drafting (CADD/GIS)	\$150
Drafter III/IV	Drafting (CADD/GIS)	\$130
Drafter I/II	Drafting (CADD/GIS)	\$110

Exhibit B-1

Senior Office Services	Prepare invoices and compliance reports.	\$140
Admin. III/IV	Format, print, and assemble technical reports and other deliverables.	\$110
Admin. I/II	Format, print, and assemble technical reports and other deliverables.	\$90

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**REIMBURSABLE EXPENSES**Sub: SHANNON & WILSON, 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>0.50</u> / each
Copies (8 1/2 x 14")	\$ <u>1.00</u> / each
Red-line copies	\$ <u>NA</u> / S.F.
Reproducibles	\$ <u>NA</u> / page

Exhibit B-1

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

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Summit Street GroupCategory: 13: Program & Project Management

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.
Program Manager	Program delivery responsibilities team leadership, client and stakeholder leadership responsibilities, contractor relationship management, technical delivery assurance responsibilities, stakeholder management, technical leadership, budget, scope, schedule responsibility	\$300
Senior Project Manager	Capability to lead complex projects with subject matter expertise with ability to contribute to project objects and meet scope, schedule and budget objectives.	\$250
Project Manager	General management skills with the ability to lead targeted projects or work as part of a larger team or program with the responsibility for scope, schedule and budget.	\$216
Project Specialist/Analyst	Conduct research, support project implementation and manage specific tasks or program and project components.	\$144
Administration	General administration support, including document review and production, meeting scheduling and research.	\$90
Intern	General administrative or research tasks with the ability to bring new or innovative value to the team.	\$60

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

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 B-1

Category 2, Bridge Design

Category 13, Program & Project Management

SUB TEAM MEMBERS

Sub: TRIUNITY, 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.
Executive Administration Support	Executive Administration and Clerical Support	\$100.00
Administration Support	Administration and Clerical Support	\$85.00
Civil Engineer Lead	Civil design	\$240.00
Civil Engineer 3	Civil design	\$185.00
Civil Engineer 2	Civil design	\$125.00
Civil Engineer 1	Civil design	\$100.00
Civil/Structural Inspector Lead	Civil/Structural Field Inspections	\$190.00
Civil/Structural Inspector 2	Civil/Structural Field Inspections	\$150.00
Civil/Structural Inspector 1	Civil/Structural Field Inspections	\$140.00
Construction Manager Lead	Construction Management	\$255.00
Construction Manager 2	Construction Management	\$215.00
Construction Manager 1	Construction Phasing, Constructability Reviews	\$195.00
Construction Safety	Construction Field Safety	\$220.00
Document Control Specialist 2	Document Control Specialist	\$200.00
Document Control Specialist 1	Document Control Specialist	\$150.00
Document Control Support	Document Control Support	\$110.00
Drafting Lead	CAD & Drafting	\$145.00
Drafter 2	CAD & Drafting	\$130.00
Drafter 1	CAD & Drafting	\$115.00
Electrical Engineer Lead	Electrical and Systems Engineering	\$240.00
Electrical Engineer 2	Electrical and Systems Engineering	\$180.00
Electrical Engineer 1	Electrical and Systems Engineering	\$150.00
Electrical Inspection Lead	Electrical Field Inspections	\$150.00

Exhibit B-1

Electrical Inspection 2	Electrical Field Inspections	\$125.00
Electrical Inspection 1	Electrical Field Inspections	\$100.00
ITS/Traffic Senior	Traffic and ITS Design and Analysis	\$220.00
ITS/Traffic Engineer 3	Traffic and ITS Design and Analysis	\$165.00
ITS/Traffic Engineer 2	Traffic and ITS Design and Analysis	\$125.00
ITS/Traffic Engineer 1	Traffic and ITS Design and Analysis	\$100.00
ITS/Traffic EIT	Traffic and ITS Design and Analysis	\$90.00
Project Controls Manager 2	Project Management, Project Controls Lead	\$270.00
Project Controls Manager 1	Project Management, Project Controls Lead	\$235.00
Project Controls 2	Scheduling, Estimating, Contract Admin	\$190.00
Project Controls 1	Scheduling, Estimating, Contract Admin	\$160.00
Project Controls Support	Scheduling, Estimating, Contract Admin	\$140.00
Chief Estimator	Estimating	\$275.00
Estimator 2	Estimating	\$235.00
Estimator 1	Estimating	\$170.00
Project Manager Senior	Project Management Functions	\$290.00
Project Manager 3	Project Management Functions	\$275.00
Project Manager 2	Project Management Functions	\$220.00
Project Manager 1	Project Management Functions	\$165.00
Assistant Project Manager	Project Management Functions	\$125.00
Utility Coordinator Lead	Utility Coordination	\$225.00
Utility Coordinator 2	Utility Coordination	\$185.00
Utility Coordinator 1	Utility Coordination	\$140.00
Principal	Program Management Support and Oversight	\$335.00

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Exhibit B-1

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

Category 5, Multimodal & Transportation Planning

SUB TEAM MEMBERSSub: YY2K Engineering LLCK Engineering, 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.
Project Principal	Transp. Planning & Engineering, Project Management	\$240.00
Sr. Professional I	Subject Matter Expert, Transp. Planning & Engineering	\$235.00
Sr. Professional II	Subject Matter Expert, Transp. Planning & Engineering	\$210.00
Professional	Subject Matter Expert, Transp. Planning & Engineering	\$190.00
Project Manager – Sr.	Transp. Engineering and Project Management	\$215.00
Sr. Project Manager	Civil Engineering and Project Management	\$190.00
Engineer IV	Transportation Engineering, Project Management	\$205.00
Engineer III	Transportation Engineering, Project Management	\$190.00
Engineer II	Transportation Engineering, Project Management	\$175.00
Engineer I	Transportation Engineering	\$160.00
Programmer	Software Programming	\$190.00
Transportation Planner IV	Transportation Planning, Project Management	\$190.00
Transportation Planner III	Transportation Planning, Project Management	\$165.00
Transportation Planner II	Transportation Planning	\$140.00
Transportation Planner I	Transportation Planning	\$125.00
Designer III	Designer, CAD, GIS, and Analysis Support Work	\$140.00
Designer II	Designer, CAD, GIS, and Analysis Support Work	\$130.00
Designer I	Designer, CAD, GIS, and Analysis Support Work	\$120.00

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Exhibit B-1

REIMBURSABLE EXPENSES

Sub: YY2K Engineering LLCK Engineering, 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

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