

## SECOND AMENDATORY AGREEMENT

THIS SECOND AMENDATORY AGREEMENT is made and entered into by and between the **CITY AND COUNTY OF DENVER**, a municipal corporation of the State of Colorado (the “City”) and **PARSONS TRANSPORTATION GROUP INC.**, an Illinois corporation registered to do business in Colorado, whose address is 1776 Lincoln St., Suite 600, Denver, Colorado 80203 (the “Consultant”), jointly “the parties.”

### RECITALS:

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

**B.** Rather than enter into a new contract, the Parties desire to revise the terms and conditions of the Agreement as they previously existed and the Parties further desire to amend the Agreement to extend the term of the Agreement one year and add compensation in the amount of ONE MILLION DOLLARS (\$1,000,000.00) to the Agreement for the purpose of business continuity.

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

**1.** All references to “...Exhibit B...” in the Agreement shall be amended to read: “...Exhibit B and B-1...” as applicable. The hourly rate schedules marked as Exhibit B-1 attached to this Amendatory Agreement is hereby incorporated by reference. The new rates shall be effective at time of amendment execution and shall only apply to new task orders issued after amendment execution.

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

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

#### “**3.05 Maximum Contract Amount; Funding.**”

- (a) It is understood and agreed by the parties hereto that payment or reimbursement of all kinds to the Consultant, for all Work performed under this Agreement, shall not exceed a maximum of **SEVEN MILLION DOLLARS AND NO CENTS (\$7,000,000.00)**. In no event shall the maximum payment to the Consultant, for all work and services performed throughout the entire term of

this Agreement exceed the contract maximum amount set forth above.”

4. Section 4 of the Agreement entitled “**TERM AND TERMINATION**” is amended to read as follows:

“**4.01 Term:** The term of this Agreement shall commence on February 15, 2017, and shall expire on February 14, 2022, unless sooner terminated or extended by written amendment. The Consultant shall complete any task orders in progress as of the expiration date of this agreement and the term will extend until the work is completed or earlier terminated by the Manager. The term of this agreement may be extended for one additional year at the City’s sole discretion by written amendment.”

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

6. This Second Amendatory Agreement will not be effective or binding on the City until it has been fully executed by all required signatories of the City and County of Denver, and if required by Charter, approved by the City Council.

**[THE BALANCE OF THIS PAGE IS INTENTIONALLY LEFT BLANK]**

**[SIGNATURE PAGES TO FOLLOW]**

**Contract Control Number:**  
**Contractor Name:**

PWADM-201950840-02 [201631680-02]  
PARSONS TRANSPORTATION GROUP INC.

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

**SEAL**

**CITY AND COUNTY OF DENVER:**

**ATTEST:**

By:

\_\_\_\_\_

\_\_\_\_\_

**APPROVED AS TO FORM:**

**REGISTERED AND COUNTERSIGNED:**

Attorney for the City and County of Denver

By:

By:

\_\_\_\_\_

\_\_\_\_\_

By:

\_\_\_\_\_

**Contract Control Number:**  
**Contractor Name:**

PWADM-201950840-02 [201631680-02]  
PARSONS TRANSPORTATION GROUP INC.

By: 

Name: Julia K. Barker  
(please print)

Title: Vice President  
(please print)

ATTEST: [if required]

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

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

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

# Exhibit B-1

**EXHIBIT B**  
**CONSULTANT TEAM MEMBER**

**Prime Consultant:** Parsons Transportation Group Inc.

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

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Administrative Assistant	Administration	\$ 93.00
Architect	Architecture	\$117.00
Associate Engineer - Civil	Civil Design	\$ 93.00
Associate Engineer - Structural	Structural Design	\$111.00
Associate Landscape Architect	Landscape Architecture	\$ 76.00
Associate Planner	Urban Planning/Mobility	\$ 99.00
CADD Designer/Technician	Design Support	\$ 90.00
CADD Manager	Design Support Oversight	\$216.00
Construction Engineer	Construction Inspection	\$108.00
Construction Inspector	Construction Inspection	\$117.00
Construction Manager	Construction Inspection Oversight	\$277.00
Discipline Lead (Civil)	Civil Design Lead	\$248.00
Discipline Lead (Environmental)	Environmental Planning Lead	\$198.00
Discipline Lead (MOT)	Maintenance of Traffic (MOT) Lead	\$248.00
Discipline Lead (Structures)	Structural Design Lead	\$219.00
Discipline Lead (Utilities)	Utility Coordination Lead	\$236.00
Engineer I - Civil	Civil Design	\$120.00
Engineer I - Structural	Structural Design	\$125.00
Engineer II - Civil	Civil Design	\$140.00
Engineer II - Structural	Structural Design	\$146.00
Environmental Planner I	Environmental Planning	\$125.00
Graphic Designer	Public Outreach Support	\$146.00
Landscape Architect I	Landscape Architecture	\$117.00
Landscape Architect II	Landscape Architecture	\$146.00
Landscape Architect Manager	Landscape Architecture Oversight	\$201.00
Planner	Urban Planning/Mobility	\$131.00
Principal CADD Designer	Design Support	\$140.00
Principal Engineer	Civil/Structural Design	\$166.00
Principal Landscape Architect	Landscape Architecture	\$163.00
Principal Planner	Urban Planning/Mobility	\$172.00
Principal Project Manager	Project Oversight	\$294.00
Project Controls	Scheduling Support	\$111.00
Project Manager	Project Oversight	\$219.00
Quality Manager	Quality Assurance	\$184.00
Senior Administrative Assistant	Administration	\$111.00
Senior Construction Inspector	Construction Inspection	\$154.00
Senior Engineer	Civil/Structural Design	\$120.00
Senior Project Engineer	Project Oversight	\$227.00
Senior Project Manager	Project Oversight	\$292.00

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
SME - Innovative Contracting	Innovative Contracting	\$379.00
SME - Program Management Advisor	Program Management	\$292.00
SME - Risk Management	Risk Management	\$437.00
SME - Transit	Transit Planning Expertise	\$364.00
Structural Manager	Project Oversight	\$248.00
Subject Matter Expert (SME) - Claims	Claims Expertise	\$379.00
Technical Writer	Technical Writing/Editing Support	\$117.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.65

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-CONSULTANT TEAM MEMBERS**

Firm Name: Aero Solutions LLC

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

Title/Classification	Responsibilities	Rate/Hr.
Program Manager		\$180.00
CEO		\$200.00
Vice President		\$190.00

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

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- (1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.
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**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: All Traffic Data 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).

Title/Classification	Responsibilities	Rate/Hr.
President	Contract review and data processing	\$75.00
Manager	Review data and process deliverables	\$62.50
Technician	All field work to collect data for assigned tasks	\$50.00

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

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

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**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: Economic & Planning Systems, Inc.

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

Title/Classification	Responsibilities	Rate/Hr.
Managing Principal	Project management/QA/QC	\$240
Principal	Project management/QA/QC	\$240
Exec. Vice President	Technical direction and management	\$215
Vice President	Technical direction, modeling, and analysis	\$185
Senior Associate	Technical analysis, report writing	\$150
Associate	Research and analysis, report writing	\$135
Research Analyst	Research and analysis	\$105
Production Manager	Report preparation, editing, formatting	\$80

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

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- (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-CONSULTANT TEAM MEMBERS

Firm Name: Entitlement and Engineering Solutions, Inc.

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

Title/Classification	Responsibilities	Rate/Hr.
President	Oversight of technical merit, quality, schedule, and budget for all projects	\$232.00
Principal	Oversight of engineering design and quality; technical design direction	\$206.00
Senior Project Manager	Technical design direction; oversight of team; performs design tasks and quality reviews	\$170.00
Project Manager	Provide design direction; tracking of schedule, budget and project milestones	\$165.00
Senior Engineer V	Responsible for design direction and technical merit	\$159.00
Senior Engineer IV	Responsible for design direction and technical merit; performs design	\$145.00
Engineer III	Performs design and engineering calculations	\$139.00
Engineer II	Performs design and engineering calculations	\$132.00
Engineer I	Assist with the design and engineering calculations	\$126.00
Engineer Intern	Assist with the design and engineering calculations under the supervision of a licensed engineer	\$120.00
Designer	Designing, planning and execution of projects; advanced knowledge of CAD	\$126.00
Senior Drafter	Establishes and ensures drafting standards; performs drafting/design	\$120.00
CAD Technician	Performs drafting of technical drawings	\$107.00
Administrative Support	Support of non-technical tasks	\$97.00
Sr. Administrative Support	Oversight, direction and management of non-technical tasks; advanced skill required	131.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.93 .

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



## SUB-CONSULTANT TEAM MEMBERS

Firm Name: Goodbee & Associates, Inc.

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

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
President	Directs all aspects of the firm's operations	\$185
Principal	Directs all aspects of the firm's operations	\$185
Project Manager III	Leads and reviews technical work	\$150
Project Manager II	Leads and reviews technical work	\$135
Project Manager I	Leads and reviews technical work	\$125
Landscape Architect (Principal)	Leads and reviews technical work	\$175
Landscape Architect III	Leads and reviews technical work	\$150
Landscape Architect II	Leads and reviews technical work	\$130
Landscape Architect I	Leads and reviews technical work	\$110
Designer III	Completes technical work under direction of a PM/LA	\$115
Designer II	Completes technical work under direction of a PM/LA	\$110
Designer I	Completes technical work under direction of a PM/LA	\$100
CAD II	Completes technical work under direction of a PM/LA	\$100
CAD I	Completes technical work under direction of a PM/LA	\$80
Administrator	Bookkeeping and general administration	\$110
Administrative Assistant	General administration	\$80

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

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproductions, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.





## **REIMBURSABLE EXPENSES**

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

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

Courthouse copies

Document copies obtained through SKLD

## SUB-CONSULTANT TEAM MEMBERS

Firm Name: HCL Engineering & Surveying, LLC

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

Title/Classification	Responsibilities	Rate/Hr.
Principal	Contract Administration / Project Oversight	\$225
Project Manager	Responsible for project coordination, design, and client communications.	\$165
Civil Engineer	Civil Engineering Lead responsible for civil infrastructure design and utility coordination.	\$135
Project Engineer I	Civil Engineer responsible for design and drawing of civil infrastructure.	\$115
Project Engineer II	Structural Engineer responsible for the design and analysis of buildings and foundations.	\$125
Project Engineer	Structural Engineer responsible for design, modeling, and drawing of the building structure.	\$140
Project Designer	Structural Designer responsible for modeling and drawing of the building structure.	\$125
Survey Manager	Directs surveying operations, client coordination	\$170
Senior Project Surveyor	Provides calculation, reports and field oversight	\$135
Project Surveyor	In charge of field crews	\$115
Senior CAD Technician	Produces maps and exhibits, provides accuracy calculations	\$115
CAD Technician	Provides drafting of surveys	\$110
1-Man Survey Crew	Performs robotic survey data collection	\$140
2-Man Survey Crew	Performs data collection/stake out with support	\$175
3-Man Survey Crew	Performs data collection on construction sites and or in high traffic areas	\$210

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

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

**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: Harris Kocher Engineering Group, Inc. d/b/a Harris Kocher Smith

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

Title/Classification	Responsibilities	Rate/Hr.
Principal	Primary survey contact, manages project schedule and budget	195.00
Associate Principal	Alternate primary survey contact, manages project schedule and budge	175.00
Survey Manager	Licensed surveyor in charge of mgmt of survey projects and mgrs	155.00
Survey Project Manager	Licensed surveyor in responsible charge of project	130.00
Construction Survey Manager	Management of survey construction staking projects	130.00
Project Surveyor	Drafting, calculations, written property descriptions	110.00
Two Person Crew	Survey field work	180.00
One Person Crew	Survey field work	140.00
SUE Manager	Manager in charge of management of SUE projects and managers	145.00
SUE Operations Mgr	Manager in charge of management of SUE projects and managers	135.00
SUE Coordinator	Coordination of SUE projects	130.00
SUE Supervisor	Supervisor in charge of SUE field crews	125.00
Utility Mapping Technician	CAD Drafting	120.00
Utility Designator	Utility locating technician	115.00
Clerical	Clerical	95.00

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

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproductions, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

**ATTACHMENT 2  
SUB-CONSULTANT TEAM MEMBERS**

Firm Name:     Kumar & Associates, Inc.    

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Principal	Project Oversight, Contracts/Negotiations	\$ 185.00
Principal-in-Charge / Senior Project Manager	Project Oversight, Geotechnical Report Review, Value Engineering, Attends Meetings, budget management	\$ 175.00
Project Manager; Geotechnical	Coordinates and conducts geotechnical subsurface investigative programs, provides geotechnical report review and recommendations	\$ 135.00
Project Engineer; Geotechnical	Preparation of Geotechnical Engineering Reports, performs geotechnical engineering study/investigation(s), coordinates drilling procedures/scheduling	\$ 105.00
Staff Engineer; Geotechnical	Performs analysis of field and laboratory data for generation of geotechnical recommendations	\$ 90.00
Field Engineer	Supervises drilling activities including logging and sampling of subsurface conditions	\$ 70.00
Exploration Manager	Coordinates drilling schedule and performs drilling procedures	\$ 75.00
Managing Scientist	Overall project management and staff allocation, report review	\$ 110.00
Project Scientist	Supervise Staff Scientists during Phase I ESAs, Asbestos inspections, and other field work, report preparation	\$ 95.00
Staff I Scientist	Asbestos inspection, Phase I ESAs, field work, and air monitoring	\$ 65.00
Word Processing / Clerical	Word processing of reports, filing/record keeping, and data entry	\$ 50.00
CAD Drafting	Development of drawings/schematics, IT support	\$ 80.00
Laboratory Supervisor	Supervises testing and procedures within the laboratory	\$ 115.00
Laboratory Technician	Performs various laboratory tests	\$ 55.00

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

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

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## SUB-CONSULTANT TEAM MEMBERS

Firm Name: Olsson

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).

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Region Leader	Project oversight	\$258
Office/Practice Leader	Project oversight	\$237
Team Leader	Project management, resource scheduling, peer review, QA/QC	\$217
Industry Expert	Project management, peer review, QA/QC	\$216
Technical Leader – Engineer	Project management, peer review, QA/QC	\$206
Technical Leader – Scientist	Project management, peer review, QA/QC	\$196
Senior Engineer	Drainage planning and design project manager, modeling, construction documents	\$197
Senior Project Engineer	Drainage planning and design project manager, modeling, construction documents	\$165
Project Engineer	Drainage planning and design project manager, modeling, construction documents	\$152
Associate Engineer	Design lead. Drainage planning and design, hydrologic and hydraulic modeling, drainage studies, utility design, plan production, cost estimating, and specifications	\$122
Assistant Engineer	Drainage planning and design, hydrologic and hydraulic modeling, drainage studies, utility design, plan production, cost estimating, and specifications	\$109
Senior Scientist	Task management, field investigations, assessments, permitting	\$165
Senior Project Scientist	Task management, field investigations, assessments, permitting	\$149
Project Scientist	Task management, field investigations, assessments, permitting	\$134
Associate Scientist	Field investigations, assessments, permitting	\$98
Assistant Scientist	Field investigations, assessments, permitting	\$77
CAD Manager	Task management, plan production	\$139
Design Manager	Task management, plan production	\$134
Design Assoc./Senior Design Tech	Plan production	\$103

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Design Technician	AutoCAD drafting, plan production	\$99
Associate Technician	AutoCAD drafting, plan production	\$77
Assistant Technician	AutoCAD drafting, plan production	\$67
Administration	Administrative support	\$77
Student Intern	AutoCAD drafting, modeling	\$62
Survey Team Leader	Project management, resource scheduling, peer review, QA/QC	\$193
Senior Surveyor	Surveying, survey monumentation, legal descriptions, survey calculations	\$144
Surveyor	Surveying, survey monumentation, legal descriptions, survey calculations	\$118
Associate Surveyor	Surveying, survey monumentation, legal descriptions, survey calculations	\$93
Assistant Surveyor	Surveying, survey monumentation, legal descriptions, survey calculations	\$77
Senior Survey Technician	Surveying, survey monumentation, legal descriptions, survey calculations	\$118
Survey Technician	Surveying, survey monumentation, legal descriptions, survey calculations	\$103
Associate Survey Technician	Surveying, survey monumentation, legal descriptions, survey calculations	\$93
2-Person Survey Crew	Surveying, survey monumentation	\$196
1-Person Survey Crew	Surveying, survey monumentation	\$134
Drone Pilot	Drone surveying and aerial photos	\$149
1-Person Lidar Crew	Surveying w/ 3D scanner, survey monumentation	\$201
Administration	Administrative support	\$77
<b>Survey Equipment</b>		
4 Wheel Drive ATV		\$100 / day
Trimble GPS		\$300 / day
Trimble Robot		\$300 / day
LiDAR Scanner		\$900 / day

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Drone		\$500 / day
Pointerra (1-month)		\$100 / month
Pointerra (6-months)		\$500 / 6-months
<b>Field Operations</b>		
Administrative		\$57
Earthwork Observation		\$57
Foundation Observation		\$77
Deep Foundation Observation		\$77
Retaining Wall Observation		\$77
Concrete Observation		\$57
Masonry Observation		\$72
Structural Steel Observation		\$98
NDT Technician		\$98
Post-Tension Observation		\$82
Asphalt Observation		\$67
Building Inspector		\$98
Senior Technician		\$98
Associate Technician		\$75
Assistant Technician		\$64
Project Manager		\$103
Assistant Engineer		\$106
Associate Engineer		\$123
Project Engineer		\$146

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Senior Engineer		\$185
Team Leader		\$211
Assistant Construction Manager		\$108
Associate Construction Manager		\$118
Project Construction Manager		\$155
Senior Construction Manager		\$221
		\$57
<b><u>Field &amp; Laboratory Testing</u></b>		
<b><u>Soils</u></b>		
#200 Wash Analysis	per test	45.00
Atterberg Limits Tests	per test	65.00
Standard Proctor	per test	120.00
Modified Proctor	per test	125.00
Proctor Checkpoint	per test	60.00
Sieve Analysis (Soils)	per test	75.00
Sand Cone Method (Field Density)	per test	75.00
Drive Ring Method (Field Density)	per test	65.00
Moisture Only	per test	10.00
Density & Moisture	per test	15.00
R-Value	per test	340.00
Relative Density	per test	180.00
Unconfined Strength	per test	20.00
CBR, 1 pt.	per test	285.00
CBR, 3 pt.	per test	420.00



<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Water Soluble Sulfate	per test	60.00
pH Level	per test	45.00
Organic Content	per test	95.00
Specific Gravity	per test	80.00
Direct Shear (Per Point)	per point	350.00
Hydrometer Analysis	per test	145.00
Swell, One dimensional	per test	85.00
Consolidation, Time Rate (Set Up and Initial Load)	per unit	150.00
Consolidation, Time Rate (Additional Loads)	per unit	50.00
Soil Corrosion Suite	per test	225.00
Crumb Test	per test	15.00
Pinhole Dispersion	per test	135.00
Flex Wall Permeability	per test	400.00
Flex Wall Permeability (Remolded)	per test	550.00
Falling Head Permeability	per test	175.00
Triaxial (CU) 3 pt. In Situ	per test	1,600.00
Triaxial (CU) 1 pt. Remolded	per test	1,950.00
Triaxial (UU) 1 pt.	per test	160.00
Thermal Resistivity, One Point	per test	1,200.00
Thermal Resistivity, Additional Points	per point	175.00
<b><u>Concrete</u></b>		
Compressive Strength of Concrete Cylinder	per test	15.00
Flexural Strength of Concrete	per test	40.00
Compressive Strength of Cores	per test	60.00

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Core Lengths	per test	18.00
Trim Cylinders or Cores (As Required)	per test	30.00
Mix Design (1 Trial)	per mix	3,800.00
Mix Verification (1 Trial)	per mix	1,500.00
Moisture Vapor Emissions of Floor Slab	per test	30.00
Relative Humidity of Floor Slab	per test	40.00
<b><u>Masonry</u></b>		
Compressive Strength of Grout Prism	per test	25.00
Compressive Strength of Mortar Cube	per test	15.00
Compressive Strength of Block	per test	95.00
Compressive Strength of Block Prism (8-inch)	per test	105.00
Compressive Strength of Block Prism (10-inch or Greater)	per test	125.00
Compressive Strength of Grouted Block Prism (8-inch)	per test	150.00
<b><u>Aggregates</u></b>		
Standard Proctor – Aggregate	per test	150.00
Modified Proctor – Aggregate	per test	185.00
Relative Density	per test	180.00
LA Abrasion (Includes Gradations)	per test	180.00
Sieve Analysis	per test	65.00
Absorption and Specific Gravity	per test	85.00
Surface Moisture	per test	15.00
Sand Equivalent	per test	95.00
Dry Unit Weight	per test	40.00

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Sulfate Soundness	per test	675.00
Freeze Thaw	per test	2,500.00
<u>Asphalt</u>		
Superpave, Voids	per test	440.00
Lottman	per test	380.00
Hveem Stability	per test	175.00
Core Thickness	per test	18.00
Laboratory Stability, Flow, Specific Gravity	per test	210.00
Maximum Theoretical Specific Gravity (Rice)	per test	80.00
Laboratory Specimen Compaction	per test	150.00
Bulk Specific Gravity (unit weight of core/lab specimen)	per test	35.00
Bitumen Content & Gradation of Extracted Aggregate	per test	\$150.00
Asphalt Field Density	Included	
Marshall Mix Design (1 Trial)	per mix	2,900.00
Slurry Mix Design (1 Trial)	per mix	2,500.00
<b><u>Fireproofing</u></b>		
Density (Displacement Method)	per test	90.00
Adhesion/Cohesion	per test	75.00
<b><u>Equipment</u></b>		
Floor Flatness Device	per day	250.00
Hand Auger Equipment	per day	50.00
Coring Rig	per day	150.00
Field CBR Device	per day	500.00

<b>Title/Classification</b>	<b>Responsibilities</b>	<b>Rate/Hr.</b>
Dynamic Cone Penetrometer	per day	75.00
Schmidt Hammer	per day	120.00
IR Camera	per day	900.00
Field Thermal Resistivity Unit	per day	350.00
Roadway Videography with GPS Tagging System	per day	250.00
Sonic Echo Testing Equipment	per day	250.00
Ultrasonic Testing Equipment	per day	150.00
Moisture Vapor Emissions Test Kits	per test	25.00
Relative Humidity Sensors	per test	65.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.085.

## SUB-CONSULTANT TEAM MEMBERS

Firm Name: OV Consulting, LLC

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

Title/Classification	Responsibilities	Rate/Hr.
Principal	Project Management, Transportation Management, Mobility Planning, Design, Strategic Outreach	\$175
Project Manager	Project Management, Transportation Planning, Transportation Engineering	\$160
Senior Engineer	Transportation Engineering	\$145
Engineer II	Transportation Engineering	\$130
Engineer I	Transportation Engineering	\$115
Senior Planner	Transportation Planning	\$140
Planner II	Transportation Planning	\$120
Planner I	Transportation Planning	\$110
GIS Analyst	GIS, Data review	\$90
Graphic Designer	Graphic design, meeting materials, web-based materials	\$90
CAD Technician	CAD drafting	\$90
Clerical/Administrative	Word processing & administrative organization	\$70
Data Collection Technician	Collect field data	\$35
Intern	Varying support tasks	\$30

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

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-CONSULTANT TEAM MEMBERS

Firm Name: Pinyon Environmental, Inc.

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

Title/Classification	Responsibilities	Rate/Hr.
Expert Witness	Expert witness preparation and deposition	\$250
Principal Engineer/Scientist	Responsible for providing strategic direction, vision, and leadership. Performs senior-level QA/QC and conducts meetings and negotiations with regulatory and oversight agencies.	\$220
Senior Engineer/Scientist	Responsible for technical completeness and competency of all submissions and work performed, including performance of junior- and mid-level planners and scientists. Conduct and supervise professional and technical staff to complete studies focused on engineering, planning, NEPA evaluations, air quality, noise, biology, geology, chemistry and environmental science.	\$201
Senior Project Manager	Project management, including coordination of multi-disciplinary teams, preparing responses to agency questions, and facilitates project meetings with client and regulators. Develops project requirements, site investigations, facility requirements development, budget and programming support, analyses and project execution.	\$179
Project Manager	Directs the gathering of data and prepares complex reporting and analysis. Oversight of technical products and development of detailed studies related to NEPA, air quality, noise, environmental justice, biology, geology, chemistry and environmental science.	\$153
Project Specialist	Reports to Regulatory and Oversight Agencies, Preparation of Permits, GIS Library Development and Data Analysis, Technical Review of Documents	\$ 127
Project Engineer/Scientist	Phase I ESA Site Visits/Reporting, Interpretation of Data, Collection of Non-Field Data, Development of Logs and Maps, Pilot Testing, Biological and Wetland Field Mapping, Preparation of Reports to Clients, GIS Data Collection/Processing/Presentation, Asbestos Designer/Air Monitoring Specialist/Project Manager, Technical Review of Documents	\$110
Staff II Engineer/Scientist	Soil Logging, Monitoring Well Installation Oversight, Water-Level Surveying, Slug Tests, Field Oversight, Lead Driller, Miscellaneous Field Services, Asbestos Building Inspector	\$94
Staff I Technician	Groundwater Sampling, Sampling During UST Removals, Surveyor's Assistant	\$76
Drafting (Graphics)	AutoCAD, floor plans, elevations, sections, scale drawings, layering and concept design for architects and engineers. Duties may include configuring and maintaining CADD libraries, engineering documentation management systems and CADD computer network systems.	\$98
Project Assistant	Maintain Field Equipment, Data Management	\$86
Word Processing, Clerical	Word Processing, Clerical	\$67

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

## REIMBURSABLE EXPENSES

FIRM: Pinyon Environmental, Inc.

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

**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: San Engineering, LLC

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Consultant may copy this page or modify it to conform to the services being offered.

Title/Classification	Responsibilities	Rate/Hr.
Civil Engineering Manager	Design/Management	\$150.00
Structural Engineering Manager	Design/Management	\$150.00
Senior Project Engineer	Design	\$130.00
Staff Engineer	Design/Production	\$120.00
Sr. CAD Drafter	Drafting/Design	\$115.00
Drafter	Drafting	\$105.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.53



## SUB-CONSULTANT TEAM MEMBERS

Firm Name: Shannon & Wilson, Inc.

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

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

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

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

## SUB-CONSULTANT TEAM MEMBERS

Firm Name: Shrewsberry & Associates, LLC

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

Title/Classification	Responsibilities	Rate/Hr.
Engineer 7	Principal-in-Charge, overall management of design team	\$242.43
Engineer 6	Project management, design manager, quality control	\$179.71
Engineer 5	Project management, design lead	\$163.52
Engineer 4	Design discipline lead	\$140.06
Engineer 3	Designer, task lead	\$114.94
Engineer 2	Designer	\$105.29
Engineer 1	Designer	\$83.29
Landscape Architect 6	Landscape architecture manager	\$176.73
Landscape Architect 5	Landscape architecture design manager	\$118.83
Landscape Architect 4	Landscape architecture lead, quality control	\$122.10
Landscape Architect 3	Landscape architecture designer	\$92.25
Landscape Architect 2	Landscape architecture designer	\$78.87
Landscape Architect 1	Landscape architecture designer	\$67.64

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.4486

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

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- (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

Attachment 2

## SUB-CONSULTANT TEAM MEMBERS

Firm Name: [Smith Environmental & Engineering](#)

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

Title/Classification	Responsibilities	Rate/Hr.
Principal	Contract execution, company support at the executive level	\$180
Senior Engineer	Senior design, engineering, permitting, and report preparation	\$120
Project Manager	Project management - Engineering projects	\$110
Sr. Env. Scientist	Scientific studies, permitting and report preparation	\$102
Project Manager	Project Management - Non-Engineering projects	\$105
Account Manager	Project Accounting- certified payroll, invoicing, and audits	\$93
Contract Admin	Contract Administration - Insurance	\$87
Technical Editor	Editing of technical reports	\$96
Env. Engineer II	Design, permitting, and report preparation	\$86
Env. Scientist II/PM	Studies, modeling, permitting, and report preparation	\$84
Sr. Monitoring Tech	Erosion Control Supervisor, site monitoring with instruments	\$64
Ind. Hygiene Spec. II	Air quality, asbestos, & LBP investigations and report prep.	\$82
Public Info. Manager	Management of public information services	\$86
Env. Scientist I	Studies, field sampling, data collection	\$60
Const. Superintendent	Superintendent duties of construction crews	\$72
Office Manager	Project support - vehicles, equipment, and materials supply	\$60
Public Info. Officer	Public information services	\$58
AutoCAD Specialist	AutoCAD drafting and design	\$66
Sr. Field/Monitor Tech	Field technician and construction labor	\$56

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

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproductions, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: HG Consult, Inc.

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

Title/Classification	Responsibilities	Rate/Hr.
Principal	Overall Management and QC	\$192.00
Senior Project Manager	Client Liaison and PM	\$192.00
Senior Engineer	Lead Designer	\$186.00
Design Engineer	Project Design	\$160.00
Traffic Engineer	Traffic Engineering and Planning	\$145.00
Designer/Technician	Detail Design	\$104.00
Senior Planner	Lead Planner	\$186.00
Planner	Detail Planning	\$122.00
Engineering Intern	Detail Design	\$75.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.93

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

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- (3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

**SUB-CONSULTANT TEAM MEMBERS**

Firm Name: Livable Cities Studio, Inc.

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

Title/Classification	Responsibilities	Rate/Hr.
Principal 1	Lead project and development of content	\$ 200.00
Principal 2	Lead project and development of content	\$ 175.00
Principal 3	Lead project and development of content, complex project management	\$ 150.00
Project Designer 1	Project management, development of content	\$130.00
Project Designer 2	Project management, development of content, limited design production	\$115.00
Project Designer 3	Design production, limited project management	\$100.00
Project Designer 4	Design production	\$90.00
Project Designer 5	Design production	\$75.00
Project Designer 6	Design production, administrative help	\$60.00

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

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-CONSULTANT TEAM MEMBERS**

Firm Name: VINE Laboratories, Inc

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

Title/Classification	Responsibilities	Rate/Hr.
President	Project Management, contract negotiations, task order scheduling, invoicing	\$153.72
Laboratory Technician	Laboratory Testing	\$62.74
Laboratory Manager	Laboratory Testing: in accordance to project plans and specifications using proper ASTM or AASHTO methods	\$126.72
Drilling Manager	Drilling Project Management, Staking/ Locating Borings, Scheduling Crews	\$108.55
Drilling Lead	Drilling Operations	Drill rig hourly unit rate
Driller Hand	Assist with drilling operations	Drill rig hourly unit rate
Professional Engineer I	Laboratory oversight including review of laboratory results	\$108.55
Professional Engineer II	Laboratory oversight including review of laboratory results	\$120.67

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 1.292

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

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# Exhibit C-1



**Attachment 2**

**LIST OF KEY PERSONNEL – PARSONS**

Parsons District Manager	Julia Barker, PE
Contract Manager / Principal-In-Charge	Brad Doyle, PE
QA/QC Design and Task Order PM for Landscape Architect	Paul Nikolai, RLA
Task Order PM for Roadway Design	Carl Cushnie, PE
Task Order PM for Roadway Design	Sara Richardson, PE
Task Order PM for Structures Design	John Braaksma, PE
Task Order PM for Structures Design	Brendan Gill, PE
Task Order PM for Traffic Design	Jen Leifheit, PE
Task Order PM for Drainage Design	James Colbert, PE
Task Order PM for Construction Design	Nashat Sawaged, PE
Program/Project Manager	Robert Ostermiller, PE
Program/Project Manager	Steve Haines, PE
Roadway	Albert Herrera, PE
Roadway	James Moore, PE
Roadway	Matt Hartmann, PE
Roadway	Brynn Boyd, PE
Structures	Konlee Dobbins, PE
Structures/Construction/Bridge Inspection & Management	Hokie Hansson, PE
Landscape Architecture	Jeff Lormand, RLA
Utility Design & Permitting	Deb Wiedenhoef, PE
Utility Design & Permitting/ Bridge Inspection & Mgmt	Todd Mayen, PE
Railroad/Environmental	Amber Brenzikofer
Graphics	David Dillon
CAD & Drafting	Dale Larkee
CAD & Drafting	Ronnie Baalman
Traffic Engineering & Forecastin	Chris Vokurka, PE, PTOE
ITS Infrastructure	Dan Lukasik, PE
ITS Infrastructure	Derek Pines
Signal Design	Dale Wilson, PE
Signal Design	Doug Brazelton, PE
Signal Design	Scott Lee, PE
Planning & Transportation Studies/Parking & Traffic Studies	Lisa Schroder, P.Eng
Hydrology & Hydraulics, Regional Drainage Studies	Carl Rogers, PE
Hydrology & Hydraulics, Regional Drainage Studies	Chris Haines, PE
Hydrology & Hydraulics, Regional Drainage Studies	Ben Liu, PE, CFM
Cost Estimation & Review/Construction Eng./Const. Review	John Crowder
Cost Estimation & Review	Matt Curtiss, PE
PSE Checking, Plan Review, Quality Control	Hilla Lynch, PE
Constructability Reviews/Project Sched/Claims & Sched Analysis	Joseph Kracum, PE
Architectural Design	Kevin Ashby, AIA, LEED AP
Construction Engineering/Project Manager	Ron Lowe
Construction Inspection	Patrick Pease, EI
Construction Inspection	Bill Boltze, EI

**Attachment 2**

**LIST OF KEY PERSONNEL – PARSONS**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Construction Inspection	Cody Catron, EI
Construction Inspection	Maggie Allison, EI
Construction Inspection	Jon Christiansen, EI
Construction Phasing	Dave Lafaive, PE
Database/GIS	Brent Heeseman
Clerical & Contract Administration	Shea Davidson
Clerical & Contract Administration	Belinda Jenkins

**Attachment 2**

**LIST OF KEY PERSONNEL – ALL TRAFFIC DATA**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Traffic Data	Eric Boivin

**Attachment 2**

**LIST OF KEY PERSONNEL – COGGINS CONSULTANTS**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Program/Project Manager and Policy Support	Steven Coggins

**Attachment 2**

**LIST OF KEY PERSONNEL – ENTITLEMENT AND ENGINEERING**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Transit Station Infrastructure/LEED Consulting	Amanda Hildebrand, PE, LEED, AP
Hydrology & Hydraulics, Regional Drainage Studies	Joshua Root, PE, CFM

**Attachment 2**

**LIST OF KEY PERSONNEL – ECONOMIC & PLANNING SYSTEMS**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Program/Project Manager	Jon Andresen Jr., PE, LEED AP
Economic Forecasting	Andrew Knudtsen, CCIM
Economic Forecasting	Daniel R. Guimond
Economic Forecasting	Brian Duffany

**Attachment 2**

**LIST OF KEY PERSONNEL – GBSM**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Public Involvement/Special District Creation	Andy Mountain
Public Involvement	Angela Jo Woolcott
Public Involvement	Miles Graham
Public Involvement	Sheryl Machado

**Attachment 2**

**LIST OF KEY PERSONNEL – GOODBEE & ASSOCIATES**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Utility Design and Permitting	Elissa Roselyn
Utility Design and Permitting	Dana Bijold



**Attachment 2**

**LIST OF KEY PERSONNEL – H.C. PECK & ASSOCIATES**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Right-of-Way Easement Acquisition	J E Parker, Jr. SR/WA

**Attachment 2**

**LIST OF KEY PERSONNEL – HARRIS KOCHER SMITH**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Surveying & Construction Staking Right-of-Way Plan Prep	George Smith, PLS
Surveying & Construction Staking Right-of-Way Plan Prep	Aaron Murphy, PLS

**Attachment 2**

**LIST OF KEY PERSONNEL – HCL ENGINEERING & SURVEYING**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Structures	Jason Dahnke, PE
Surveying & Construction Staking Right-of-Way Plan Prep	Paul Smith, PLS

**Attachment 2**

**LIST OF KEY PERSONNEL – HG CONSULTING**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Program/Project Manager	Jerry Mugg, PE
Planning and Transportation Studies	Steve Wells, AICP

**Attachment 2**

**LIST OF KEY PERSONNEL – KUMAR & ASSOCIATES**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Geotechnical Testing	Jim Noll, PE

**Attachment 2**

**LIST OF KEY PERSONNEL – LIVABLE CITIES STUDIO**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Landscape Architecture/Site & Facility Master Planning	Meredith Wenskoski

**Attachment 2**

**LIST OF KEY PERSONNEL – OLSSON ASSOCIATES**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Environmental	Dana Mach
Surveying & Construction Staking Right-of-Way Plan Prep	Dana Sperling, PLS
Hydrology & Hydraulics, Regional Drainage Studies	Deb Ohlinger, PE CFM
Mechanical Engineering/Electrical/Plumbing Design	Brad Mostek, PE, LEED AP BD+C
Electrical/Plumbing Design/Fire Protection/Lighting Eng.	Frank Egelhoff, PE
Electrical/Lighting Engineering	Becky Zoubek, LC, LEED AP BD+C
Building Commissioning	Cory Wilson, PE
Building Commissioning	Nick Lynch
Building Commissioning	Dan Burke, PE
Data & Telecommunications/Site and Facility Master Planning	Kelly Carman
Site and Facility Master Planning	David Roberts, PE
Utility Design & Permitting	Chance Uhrich, PE

**Attachment 2**

**LIST OF KEY PERSONNEL – ORDONEZ & VOGELSANG**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Planning and Transportation Studies	Beth Vogelsang, AICP
Planning and Transportation Studies	Shari Moore, AICP
Traffic Engineering & Forecasting	Chris Vogelsang, PE
Database/GIS	Max Lubarsky



**Attachment 2**

**LIST OF KEY PERSONNEL – PINYON ENVIRONMENTAL**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Task Order PM for Environmental Design	Amy Kennedy
Environmental	Karin McShea
Environmental	Karen Hadley, ACIP
Environmental	Russ Cirillo, PE
Environmental	Julie Linn, PG
Environmental	Travis Gwin
Environmental	Bridget Mitchell, PE

**Attachment 2**

**LIST OF KEY PERSONNEL – SAN ENGINEERING**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Roadway	Eduardo San, PE
Structures	John Migliaccio, PE

**Attachment 2**

**LIST OF KEY PERSONNEL – SHANNON & WILSON**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Geotechnical Engineering & Pavement Design	Greg Fischer, PhD, PE
Geotechnical Engineering & Pavement Design	Mark Gray, PE
Geotechnical Engineering & Pavement Design	David Asunskis, PE
Geotechnical Testing	Frederick Lindner

**Attachment 2**

**LIST OF KEY PERSONNEL – SHREWSBERRY & ASSOCIATES**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Construction Engineering/Project Manager	Eric Rolle, PE
Grant Application	Jill Palmer, PE

**Attachment 2**

**LIST OF KEY PERSONNEL – SMITH ENVIRONMENTAL &  
ENGINEERING**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Program/Project Manager	Peter Smith
Hydrology/Regional Drainage Studies	Jonathan Diller, PE
Environmental	Dr. Deborah Dunn
Environmental	Andrew Ricker
Public Involvement	Jason Futey

**Attachment 2**

**LIST OF KEY PERSONNEL – VINE LABORATORIES**

PERSONNEL CLASSIFICATION	NAME OF INDIVIDUAL
Construction Inspection	Jesse Parker, EI
Construction Inspection	Cameron Potter
Geotechnical Testing	Scott Greer
Geotechnical Testing	Juan Romero
Construction Engineering/Project Manager	Darrell Evig, PE