

<b>Local Agency A&amp;E Professional Services Supplemental Agreement</b>	Consultant/Address/Telephone <b>Jacobs Engineering Group Inc.</b> 1100 112 <sup>th</sup> Avenue NE, Suite 500 Bellevue, WA 98004	
	Contact Name / E-Mail Address Jeff D. Benson / jeff.benson@jacobs.com Telephone Fax 425-233-3234 425-468-3100	
Supplement Number <b>Supplement No. 8</b>	Execution Date 12/12/2019	Completion Date 12/31/2025
Agreement Number <b>CCF01-19</b>	New Maximum Amount Payable \$2,922,527.00	
Description of Work <i>Provide all design services necessary to complete 60% engineering design, 60% plans and details, and 60% estimate of probably construction costs for improvements to 43<sup>rd</sup> Ave SE and Sunset Rd between SR 524 and 180<sup>th</sup> Street SE, east of the Mill Creek city limits, in unincorporated Snohomish County.</i>		

The Local Agency of Snohomish County desires to supplement the Agreement entered into with **Jacobs Engineering Group Inc.** and executed on December 12, 2019, as amended by Supplement No. 1 on August 5, 2020, as amended by Supplement No. 2 on September 24, 2020, as amended by Supplement No. 3 on January 27, 2021, as amended by Supplement No. 4 on August 15, 2021, as amended by Supplement No. 5 on September 13, 2021, as amended by Supplement No. 6 on November 10, 2022, as amended by Supplement No. 7 on May 11, 2023 and identified as Agreement No. **CCF01-19**. All provisions in the basic agreement remain in effect except as expressly modified by this supplement.

The changes to the Agreement are described as follows:

**I**

The "Completion Date" on the Agreement title page is amended as follows:

Completion Date    December 31, 2025

**II**

The "Maximum Amount Payable" amount on the Agreement title page is amended as follows:

Maximum Amount Payable                                        \$2,922,527.00

**III**

**EXHIBIT A-4 Supplemental Scope of Work**, attached hereto and by this reference made part of the original Agreement, as additional work to be performed under Exhibit A.

**IV**

**EXHIBIT D Prime Consultant Cost Computations – Fee Schedule**, attached hereto by this reference made part of the previously amended Agreement, and adds supplemental cost computations for the additional work to be performed under Exhibit A-4 of this Agreement and hereby replaces the Fee Schedule and ICR Approval portions of the previously amended EXHIBIT D.

**V**

**EXHIBIT E Sub-consultant Cost Computations – Fee Schedule**, attached hereto by this reference made part of the previously amended Agreement, and adds supplemental cost computations for the additional work to be performed under Exhibit A-4 of this Agreement and hereby replaces the Fee Schedule and ICR Approval portions for Fehr and Peers of the previously amended EXHIBIT E.

If you concur with this supplement and agree to the changes as stated above, please sign in the appropriate spaces below and return to this office for final action.

By: **JACOBS ENGINEERING GROUP INC.**

By: **SNOHOMISH COUNTY**

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Consultant Signature

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Approving Authority Signature

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Date

# **Exhibit A-4**

## **Supplemental Scope of Work**

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Snohomish County Public Works  
43<sup>rd</sup> Avenue SE/Sunset Road: SR 524 to 180<sup>th</sup> Street SE  
RC-1592, UPI# 16-0040

### **INTRODUCTION**

This amendment includes Final Design Plans, Specifications, and Opinion of Cost for construction and engineering construction support.

Final Design is based on the proposed improvements shown on the 90% 43<sup>rd</sup> Avenue SE/Sunset Road: SR 524 to 180<sup>th</sup> Street SE plans along with landscaping plans. The project will be separated into two phases. Phase 1 will include the improvements along SR 524, including the intersection of SR 524 & 43<sup>rd</sup> Ave SE, and the improvements along 43<sup>rd</sup> Ave SE from 188<sup>th</sup> St SE to 180<sup>th</sup> St SE, including the intersection improvements of 180<sup>th</sup> St SE and Sunset Road. Phase 2 will include the remainder of the improvements along 43<sup>rd</sup> Ave SE between the areas of Phase 1.

The target for completing final design of Phase 1 is 10 months following the signed amendment. The target for completing final design of Phase 2 is 12 months during 2025. It is assumed that minimal design work will occur during 2024 unless the County receives additional funding for Phase 2 that advances the deliverable timeline.

The full impact of the COVID-19 pandemic is not fully known at this time. The schedule and cost estimate for the work outlined in this proposal are based on typical project delivery estimates and assumptions without taking into consideration any schedule or cost impacts resulting from any COVID-19 federal, state, or local restrictions or guidelines. Any schedule delays or cost impacts resulting from COVID-19 restrictions will be assessed by the CONSULTANT and communicated to the AGENCY, and vice versa.

### **GENERAL SCOPE OF SERVICES**

*(Amend the original scope of work to include the following additional scope of work summary)*

This scope of work describes the work elements to be accomplished by the CONSULTANT as summarized under each Task. This scope consists of the following work elements:

- Task 1 – Project Management and Coordination (Supplement)
- Task 2 – Survey and Base Mapping Coordination (Supplement)
- Task 3 – Right-of-Way Assistance and Coordination (No change in scope)
- Task 4 – Environmental and Public Involvement Support (Task closed)
- Task 5 – Agency Coordination (Supplement)
- Task 6 – Geotechnical Coordination (Task closed)
- Task 7 – Utility Coordination (Task closed)
- Task 8 – Storm Drainage Design (Task closed)

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Task 9 – Plan Preparation, Specification List and Opinion of Cost

Task 9.1 and 9.2 – 60% Plan Preparation, Specification List and Opinion of Cost (Task closed)

Task 9.3 – 90% Plan Preparation, Specifications and Opinion of Cost (Task closed)

Task 9.4 – Phase 1 90% Plan Updates (New scope)

Task 9.5 - Phase 1 99% Plan Updates (New scope)

Task 9.6 - Phase 1 Final Plan Updates (New scope)

Task 9.7 – Phase 2 90% Plan Updates (New scope)

Task 9.8 - Phase 2 99% Plan Updates (New scope)

Task 9.9 - Phase 2 Final Plan Updates (New scope)

Task 10 – Roundabout Design (Task closed)

Task 11 – Project File Management and Electronic Exchange of Engineering and Other Data (Supplement)

Task 12 – Assistance During Bidding (New scope)

Task 12.1 – Phase 1 Assistance During Bidding (New scope)

Task 12.2 – Phase 2 Assistance During Bidding (New scope)

Task 13 – Assistance During Construction (New scope)

Task 13.1 – Phase 1 Construction Support Year 1 (New scope)

Task 13.2 – Phase 2 Construction Support Year 2 (New scope)

This Scope of Services is defined in the tasks below:

## **SCOPE OF SERVICES DEFINED**

### **Task 1 – Project Management and Coordination**

*(Amend the original scope of work with the following)*

Overall project management and coordination work elements include:

#### **1.1 Project Administration**

The CONSULTANT will provide project management and administration (including invoicing, monthly progress reports, and schedule updates) and coordination with AGENCY staff throughout the project's duration. The CONSULTANT will provide oversight, direction and management of the project team for execution of work as identified in this scope of services and will monitor the project budget and schedule. For budgeting purposes, the project duration is assumed to be 10 months for Phase 1 and 12 months for Phase 2, for a total of 22 months. It is assumed that a 12 month break will occur between Phase 1 and Phase 2.

The CONSULTANT will manage the schedule, scope, budget, and quality over the term of the Agreement. Progress reports including project progress, upcoming work, schedule status, and financial status will be included with each invoice. This work element is intended to help monitor costs and budget, and to propose corrective actions. This may include formal scope and/or budget modifications if mutually agreed.

The CONSULTANT's Project Manager will maintain communication with the AGENCY's Project Manager and the CONSULTANT's Project Team via informal meetings, telephone discussions, electronic mail, and other means necessary.

## **1.2 Project Coordination Meetings**

### **1.2.1 Phase 1 Project Coordination Meetings**

Participate in monthly project coordination meetings with the AGENCY (assume 10 meetings). Project coordination meetings are anticipated to last approximately one (1) hour each. The CONSULTANT will prepare meeting agendas and meeting notes with assistance from the AGENCY. Utility coordination meetings are not included in this task (see Task 7).

### **1.2.2 Phase 2 Project Coordination Meetings**

Participate in monthly project coordination meetings with the AGENCY (assume 12 meetings). Project coordination meetings are anticipated to last approximately one (1) hour each. The CONSULTANT will prepare meeting agendas and meeting notes with assistance from the AGENCY. Utility coordination meetings are not included in this task (see Task 7).

## **1.3 Project Schedule**

### **1.3.1 Phase 1 Project Schedule**

The CONSULTANT will update a Microsoft Project design schedule including milestones dates for each design work item and will include AGENCY predecessor tasks (if provided by the AGENCY). The CONSULTANT will update and submit this schedule up to two (2) times as requested by the AGENCY throughout the life of the project.

### **1.3.2 Phase 2 Project Schedule**

The CONSULTANT will update a Microsoft Project design schedule including milestones dates for each design work item and will include AGENCY predecessor tasks (if provided by the AGENCY). The CONSULTANT will update and submit this schedule up to two (2) times as requested by the AGENCY throughout the life of the project.

#### **Assumptions:**

- Project meetings will be held online via MS Teams.
- The number of Jacobs's staff attending each meeting are approximately limited to what is shown in the project level of effort (budgeting) spreadsheet.
- Hours required for quality control (checking) of all work products are included in the tasks under which those work products are scoped.

#### **Deliverables:**

- Project Meeting Agenda and Meeting Notes, when applicable (up to 36 meetings)
- Monthly Invoices and Progress Reports (up to 36 invoices)
- Design Project Schedule (up to four (4) project schedule updates in Microsoft Project)

## **Task 2 – Survey and Base Mapping**

*(Amend the original scope of work with the following)*

### **2.1 Phase 1 Survey and Base Mapping**

The CONSULTANT will provide supplemental topographic mapping services.

The CONSULTANT will attend one (1) meeting with the AGENCY’S project manager. Meetings will be one (1) hour each with four (4) attendees from the CONSULTANT. The CONSULTANT will prepare meeting agendas, figures, and meeting notes with assistance from the AGENCY.

Additional Topographic Mapping Services (where mutually agreed by the AGENCY and CONSULTANT): This task includes up to eight (8) days of supplemental field topographic survey work with corresponding office mapping support. The level of effort to perform this task is limited to what is shown within the project level of effort (budgeting) spreadsheet which includes project management, data processing, and QC.

### **2.2 Phase 2 Survey and Base Mapping**

The CONSULTANT will provide supplemental topographic mapping services.

The CONSULTANT will attend one (1) meeting with the AGENCY’S project manager. Meetings will be one (1) hour each with four (4) attendees from the CONSULTANT. The CONSULTANT will prepare meeting agendas, figures, and meeting notes with assistance from the AGENCY.

Additional Topographic Mapping Services (where mutually agreed by the AGENCY and CONSULTANT): This task includes up to six (6) days of supplemental field topographic survey work with corresponding office mapping support. The level of effort to perform this task is limited to what is shown within the project level of effort (budgeting) spreadsheet which includes project management, data processing, and QC.

#### **Assumptions:**

- The CONSULTANT will use existing horizontal and vertical control from the 90% Contract
- Rights-of-Entry, if required, will be organized, granted, and confirmed by the AGENCY.
- Right-of-Way and parcel resolution are not a part of these services.
- Utility locates are not a part of these services.
- The CONSULTANT will use existing base map files from the 90% contract.
- The survey control plan will be prepared by the AGENCY for the contract documents with assistance from the CONSULTANT.

#### **Deliverables:**

- Attend coordination meeting with AGENCY including meeting agendas, figures and minutes.
- Updated AutoCAD Civil 3D survey base map at 1”= 20’ (electronic copy) in AGENCY Standards.
- Updated integrated Land XML-compatible digital terrain model (DTM).
- ASCII file with point numbers, coordinates, elevations, and descriptions for each survey point, with benchmarks and survey control points clearly identified.

## **Task 5 – Agency Coordination**

*(Amend the original scope of work to provide agency coordination.)*

The CONSULTANT will develop and update WSDOT channelization plans, signing plans, traffic control plans, and traffic control strategy memo to be submitted to WSDOT for review by the AGENCY during Phase 1. All information required in the preparation of these plans will be provided to the CONSULTANT by the AGENCY. The effort for the initial creation of the signing plans and details and traffic control plans will be included in Task 9.

### Assumptions:

- The AGENCY will coordinate with WSDOT
- The AGENCY will provide work hours for the project
- The level of effort to perform this task is limited to the addressing of WSDOT comments and the creation of the WSDOT Traffic Control Strategy Memo.
- The level of effort to perform this task is limited to what is shown within the project level of effort (budgeting) spreadsheet.
- The signing plans and details for the Snohomish County submittal will be used for the WSDOT submittal, no rescaling or other formatting changes will be needed.
- The traffic control plans and details for the Snohomish County submittal will be used for the WSDOT submittal, no rescaling or other formatting changes will be needed.

### Deliverables:

- Updated WSDOT Channelization Plans and Details
- Signing Plans and Details for WSDOT
- Traffic Control Plans for WSDOT
- WSDOT Traffic Control Strategy Memo

## **Task 9 – Plan Preparation, Specification List, and Opinion of Cost**

*(Amend the original scope of work with the following)*

### **9.4 Phase 1 90% Plan Updates**

The CONSULTANT will prepare 90% plan updates for the AGENCY to review. 90% plan updates are based on the 90% AGENCY comments that require additional coordination.

#### **9.4.1 Phase 1 Utility Coordination**

The CONSULTANT will incorporate up to two (2) utility relocations on their plans, including Alderwood Water and Wastewater District's Relocation and Silverlake Water and Sewer Water District's Relocation, into the plans including updates to the site preparation, pavement restoration, and showing the proposed layout in plans.

The AGENCY will arrange and facilitate coordination meetings. Utility coordination meetings are anticipated to last approximately one (1) hour each with up to three (3) attendees from the consulting firm. The CONSULTANT will prepare meeting agendas and meeting notes. The CONSULTANT will attend up to two (2) virtual meetings with the AGENCY:

- Alderwood Water and Wastewater Relocation
- Silverlake Water and Sewer Water Relocation

Assumptions for Task 9.4.1:

- The AGENCY will provide Civil 3D Auto files of the utilities that are being installed under Inter Local Agency (ILA) agreement.

Deliverables for Task 9.4.1:

- Attendance of virtual coordination meetings including meeting minutes
- 90% Plan Updates of Storm Drainage Plans and Details in areas of ILA utilities being installed (up to 8 sheets)
- 90% Plan Updates of Paving Plans in areas of ILA utilities being installed (up to 5 sheets)

#### **9.4.2 Phase 1 & 2 Signal, Illumination, and Interconnect Design and Plans**

The CONSULTANT will revise Phase 1 plans for illumination and ITS at the proposed roundabout at SR524 (Maltby Road)/43rd Avenue. The plans will include revised AGI outputs for the pole locations, pole and luminaire specifications, wiring, and proposed service connection details. AGENCY and CONSULTANT will meet with WSDOT to discuss illumination pole placement and revisions as needed to meet illumination standards (up to 3 meetings and plan revisions for up to 3 sheets).

The CONSULTANT will revise Phase 2 plans for illumination and ITS at the proposed roundabout at 43rd Ave / Jewell Road. The plans will include revised AGI outputs for the poles, pole and luminaire specifications, wiring, and proposed service connection details. AGENCY and CONSULTANT will meet with PUD to discuss illumination pole placement and revisions as needed to meet illumination standards (up to 3 meetings and plan revisions). ITS plans will include cameras for traffic data monitoring and collection. The AGENCY will coordinate DLS connections as needed and identify preferred camera equipment to be installed. The ITS work will be shown on the roundabout illumination sheets. The ITS and Illumination design shall include up to seven (7) sheets including plan sheets, details, and schedules.

The CONSULTANT will revise signal plans for the proposed signal at Sunset Road / 180th St SE, and pedestrian flashing beacons at 43rd Avenue / 184th St SE and 43rd Avenue / 187th St SE. The total number of signal plan and detail sheets shall be up to ten (10) sheets including signal county details.

The CONSULTANT will update signal plans to provide signal radio interconnect from the proposed signal at Sunset Road / 180th St SE to the existing signal at 35th Avenue SE 180th Street SE. The plans will be updated to provide for radio interconnect hardware to be installed at 180th Street SE, and empty conduit and junction boxes along the project limits (up to the end of the new pavement section and lane tapes for turn lanes at the intersection), and radio interconnect hardware at 35<sup>th</sup> Avenue SE. This scope includes up to four (4) signal/interconnect plan and detail sheets.

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The CONSULTANT will develop utility coordination plans for illumination poles to be installed by PUD along Sunset Road from 42nd Drive SE to 180th Street SE. The plans will include AGI analysis, pole locations, and pole and luminaire specifications (type, height, mounting arm length, and wattage).

The CONSULTANT will revise 90% illumination plans for 43rd Avenue / Sunset Road from 187th St SE to 42nd Drive SE. The total number of illumination sheets shall be up to five (5) sheets including plans, details, and schedules.

The AGENCY will arrange and facility coordination meetings to coordinate revisions to Phases 1 and 2. Revision to Phase 1 include coordination on ITS, Illumination, and Signal plans with County Traffic Department, PUD, and WSDOT in up to six (6) meetings. Revisions to Phase 2 include coordination on ITS and Illumination with County Traffic Department and PUD in up to six (6) meetings. Following each meeting CONSULTANT will prepare revisions to plans as discussed/directed in the meetings. Phase 1 and Phase 2 revisions will happen concurrently.

#### Assumptions for Task 9.4.1:

- The AGENCY will provide Civil 3D AutoCAD files of utilities that are being installed under Inter Local Agency (ILA) agreement.
- Up to three (3) coordination meetings and associated Phase 1 plan revisions with County Traffic Engineering staff to coordinate Signal, ITS, and Illumination design.
- Up to three (3) coordination meetings and associated Phase 2 plan revisions with County Traffic Engineering staff to coordinate ITS and Illumination design.
- Up to six (6) coordination meetings with associated lighting analysis and plans revisions with PUD to identify illumination pole and service locations for Phase 1 and 2.
- Intersection illumination for 180th Street SE / Sunset Road is defined as the section of the intersection bounded by the stop bars per the WSDOT design manual. No additional illumination analysis or design is included in this scope.
- No design for an illumination system along 180th Street SE is included in this scope.
- No design for an illumination system along Sunset Road north of 180th Street is included in this scope.

#### Deliverable for Task 9.4.1:

- 90% Illumination Utility Coordination Plans for Sunset Road from 42nd Drive SE to 180th Street SE following utility coordination meetings (up to 3 revisions of up to 2 sheets).
- 90% Illumination Plans for 43rd Avenue from 187th St SE to 42nd Drive SE (up to 3 revisions of up to 5 sheets).
- 90% Sunset Road / 180th St SE Signal & RRFB Signal at 43rd Ave / 187th St SE and 43rd Ave / 184th St SE (up to 10 sheets total).
- 90% Signal Plans to coordinate proposed interconnect system (Sunset/180th to 180th /39th) following coordination with County Traffic Department (up to 3 revisions of up to 4 sheets).
- 90% ITS and Illumination plans for the SR 524 (Maltby Road) / 43rd Avenue SE (up to 3 revisions of up to 3 sheets)
- 90% 43rd Ave / Jewell Road Roundabout Illumination and ITS Plans and revisions following coordination meetings (up to 3 revisions of up to 7 sheets)

### 9.4.3 Landscaping Design and Plans

The CONSULTANT will develop landscape plans and specifications to address roadside restoration and all on-site environmental restoration requirements as outlined in the JARPA drawings. The CONSULTANT will coordinate with AGENCY staff to develop landscape plans that include planting or seeding areas, plant schedules, and quantities, typical plant material layout diagrams, soil preparation, and plant installation details. CONSULTANT will maximize on-site planting areas to address tree mitigation requirements. Irrigation design and drawing, off-site tree or environmental mitigation are not included in this scope.

- Meeting participation with AGENCY ENVS team (1hr meeting with 4 CONSULTANT participants)
  - Prior to 60% Submittal
  - Comment review meeting of OTS 90% plans
  - Comment review meeting of 90% plans
- New landscaping sheets for JARPA planting areas (Up to 8 sheets)
- New landscaping details (Up to 2 sheet)
- New landscaping schedule (Up to 2 sheets)

Assumptions for Task 9.4.3:

- The AGENCY will prepare any project specific landscape specifications

Deliverables for Task 9.4.3:

- Meeting attendance including agendas, graphics, and meeting minutes
- OTS 90% Landscaping Plans and Details
- 90% Landscaping Plans and Details

### 9.4.4 Phase 1 Construction Detour, Sequencing, and Milestone Schedule

The CONSULTANT will develop detour plans, construction sequencing, and construction milestone schedule for the construction of the intersection improvements at Maltby Road & 43<sup>rd</sup> Ave SE, 180<sup>th</sup> St SE & Sunset Road, and the roadway improvements along 43<sup>rd</sup> Ave SE between SR 524 and 204<sup>th</sup> St SE, and 188<sup>th</sup> St SE and 180<sup>th</sup> St SE. The improvements along 43<sup>rd</sup> Ave SE are separated into the following Segments as defined in the 43<sup>rd</sup> Ave SE Design Report: Segment D is the improvements between 186<sup>th</sup> St SE and 184<sup>th</sup> St SE. The detours and construction sequencing will be determined by the CONSULTANT with recommendations from the AGENCY.

The Construction Milestone Schedule (CMS) will include working days for the bid package. The CMS establishes a work breakdown schedule (WBS) that the successful contractor will utilize to report work progress. An example of a proposed CMS is shown below. The successful contractor will provide the detailed construction implementation schedule.

#### Construction Milestone Schedule

\* Date Resp Provided by

S\_Date - Snohomish County Public Works  
(SCPW)

C\_Date - Contractor (Cnt)

WBS Level	Description	Dur - Cal Days	Start	Finish
1	43 <sup>rd</sup> Avenue SE/Sunset Road: SR 524 to 180 <sup>th</sup> Street SE Project		<S_Date>	<S_Date>
1.01	Pre-Project Milestones			
1.01.1	Advertise for Bid	28	<S_Date>	<S_Date>
1.01.1	Bid-opening	1	<S_Date>	<S_Date>
1.01.1	Notice of Intent to Award	7	<S_Date>	<S_Date>
1.01.1	Respond to Notification	2	<S_Date>	<S_Date>
1.01.1	Notice of Award	14	<S_Date>	<S_Date>
1.01.1	Provide Bond, Certs of Insurance, Agreement	14	<S_Date>	<S_Date>
1.01.1	Execute Agreement	14	<S_Date>	<S_Date>
1.02	Project Milestones			
1.02.1	Project Construction Start		<S_Date>	
1.02.1	NTP			<S_Date>
1.02.1	AHJ Provide Final ROW & Easement Reference Documents			<S_Date>
1.02.1	AHJ Utility Relocations Complete			<S_Date>
1.02.1	Division 1 General Rqrmt's Submittals Complete			<S_Date>
1.02.1	Mobilized			<S_Date>
1.02.1	Technical Submittals Complete			<S_Date>
1.02.1	Start Procurement			<S_Date>
1.02.1	Complete Procurement			<S_Date>
1.02.1	Project Complete			<S_Date>
1.03	Project General Requirement Submittals & Mobilization		<S_Date>	<S_Date>
1.03.1	HS&E		<C_Date>	<C_Date>
1.03.2	QA/QC		<C_Date>	<C_Date>
1.03.3	Project Controls		<C_Date>	<C_Date>
1.03.4	Mobilization & Construction		<C_Date>	<C_Date>
1.04	Project Technical Submittals & Procurement		<S_Date>	<S_Date>
1.04.1	Submittals & Procurement		<C_Date>	<C_Date>
1.05	Widen 43rd Ave SE from SR 524 north to 188th St SE to a two-lane rural section		<S_Date>	<S_Date>
1.05.1	<Segment 1 by Contractor>		<C_Date>	<C_Date>
1.05.1.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.05.1.2	<Construction>		<C_Date>	<C_Date>
1.05.2	<Segment 2 by Contractor>		<C_Date>	<C_Date>

1.05.2.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.05.2.2	<Construction>		<C_Date>	<C_Date>
1.05.3	<Segment 3 by Contractor>		<C_Date>	<C_Date>
1.05.3.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.05.3.2	<Construction>		<C_Date>	<C_Date>
1.05.4	<Segment 4 by Contractor>		<C_Date>	<C_Date>
1.05.4.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.05.4.2	<Construction>		<C_Date>	<C_Date>
1.06	Add approximately 1,400 linear feet of new county rural road to connect 200th St SE and 196th St SE		<S_Date>	<S_Date>
1.06.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.06.2	<Construction>		<C_Date>	<C_Date>
1.07	Improve the existing urban section of 43rd Ave SE from 188th St SE north to 184th St SE		<S_Date>	<S_Date>
1.07.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.07.2	<Construction>		<C_Date>	<C_Date>
1.08	Add approximately 450 linear feet of new county urban road between 184th St SE and 42nd Dr SE		<S_Date>	<S_Date>
1.08.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.08.2	<Construction>		<C_Date>	<C_Date>
1.09	Install two new roundabouts on 43rd Ave SE at SR 524 and at 196th St SE		<S_Date>	<S_Date>
1.09.1	Roundabout @ 43rd Ave SE at SR 524		<C_Date>	<C_Date>
1.09.1.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.09.1.2	<Construction>		<C_Date>	<C_Date>
1.09.2	Roundabout @ 43rd Ave SE at 196th St SE		<C_Date>	<C_Date>
1.09.2.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.09.2.2	<Construction>		<C_Date>	<C_Date>
1.10	Install new traffic signal and turn pockets at 180th St SE and Sunset Rd		<S_Date>	<S_Date>
1.10.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.10.2	<Construction>		<C_Date>	<C_Date>
1.11	Add two new stormwater ponds and two underground stormwater chambers		<S_Date>	<S_Date>
1.11.1	<Pond 1 by Contractor>		<C_Date>	<C_Date>
1.11.1.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.11.1.2	<Construction>		<C_Date>	<C_Date>
1.11.2	<Pond 2 by Contractor>		<C_Date>	<C_Date>
1.11.2.1	<Submittals & Procurement>		<C_Date>	<C_Date>

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1.11.2.2	<Construction>		<C_Date>	<C_Date>
1.11.3	<U/G Stormwater Chamber 1 by Contractor>		<C_Date>	<C_Date>
1.11.3.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.11.3.2	<Construction>		<C_Date>	<C_Date>
1.11.4	<U/G Stormwater Chamber 2 by Contractor>		<C_Date>	<C_Date>
1.11.4.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.11.4.2	<Construction>		<C_Date>	<C_Date>
1.12	Completion		<S_Date>	<S_Date>
1.12.1	<Construction Close-out>		<C_Date>	<C_Date>

The AGENCY will arrange and facilitate traffic control coordination meetings. Traffic control coordination meetings are anticipated to last approximately two (2) hours each. The CONSULTANT will prepare meeting agendas, figures, and meeting notes. The CONSULTANT will attend up to five (5) virtual meetings with the AGENCY:

- Initial construction sequencing meeting with the AGENCY project manager and construction support staff.
  - Assume up to five (5) CONSULTANTS in attendance
- Focused discussion of construction of 43<sup>rd</sup> Ave SE and Maltby Road (SR 524) with the AGENCY project manager and construction support staff and CONSULTANTS.
  - Assume up to four (4) CONSULTANTS in attendance
- Focused discussion of construction at Sunset Road and 180<sup>th</sup> St SE with the AGENCY project manager and construction support staff and CONSULTANTS.
  - Assume up to four (4) CONSULTANTS in attendance
- 90% Update design review meeting with the AGENCY project manager and construction support staff and CONSULTANTS.
  - Assume up to four (4) CONSULTANTS in attendance
- 99% design review meeting with the AGENCY project manager and construction support staff and CONSULTANTS.
  - Assume up to four (4) CONSULTANTS in attendance

The CONSULTANT will prepare a Sequencing overview plan. The Sequencing overview plan will include the following things:

- Locations of site specific MOTs along the corridor
- Locations where standard MOT plans are applicable
- Up to five (5) standard MOT plans
- Locations of detour plans
- One (1) sheet for the plan

The CONSULTANT will prepare construction sequencing plans for Maltby Road (SR 524) and 43<sup>rd</sup> Ave SE. Construction sequencing plans will include the following:

- Up to four (4) sequences to construct the roundabout
  - Up to one (1) cross section per sequence
  - Sequencing plan showing existing and proposed with hatching
  - Suggested work activities
  - Approved hours of operation
  - one (1) sheet per sequence
- Up to one (1) detour sheets
- Traffic Control Strategy Memo, see Task 5 for deliverable

The CONSULTANT will prepare construction sequencing plans for 180<sup>th</sup> St SE and Sunset Road. Construction sequencing plans will include the following:

- Up to four (4) sequences to construct the roadway widening
  - Up to one (1) cross section per sequence
  - Sequencing plan showing existing and proposed with hatching
  - Suggested work activities
  - Approved hours of operation
  - One (1) sheet per sequence

Assumptions for Task 9.4.4:

- The AGENCY will provide approved working hours
- The AGENCY will approve multi-day one lane closures and/or full roadway closures on 43<sup>rd</sup> Ave SE.
- The AGENCY will provide preferred detour routing.
- Contractor may develop alternative temporary signing and striping plans.
- For areas of improvements not specifically listed above, construction of improvements will be done utilizing standard MOT drawings referenced on Sequencing Overview Plan.

Deliverables for Task 9.4.4:

- Construction Milestone Schedule (Initial and up to four (4) updates)
- Meeting attendance including agendas, graphics, and meeting minutes
- OTS 60% Sequencing Overview Plan
- OTS 60% Sequencing Plans
- OTS 60% Detour Plans
- 90% Sequencing Overview Plan
- 90% Sequencing Plans
- 90% Detour Plans

## **9.5 Phase 1 Final Bid Document (99%)**

*(Replace the original scope of work with the following work items.)*

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## **Roadway**

The AGENCY will arrange and facilitate coordination meetings. Roadway design coordination meetings are anticipated to last one hour each with up to three (3) attendees from the consulting firm. The CONSULTANT will prepare meeting agendas and meeting notes. The CONSULTANT will attend up to four (4) virtual meetings with the AGENCY:

- Transition limits of Phase 1
- Redesign of Sunset Road from approximate Sta 511+00 to 514+00 (up to 2 meetings)
- New driveway near the intersection of SR 524 & 43<sup>rd</sup> Ave SE

The CONSULTANT will finalize the proposed surface including the following items:

- Update profile and improvements to transition to match existing features as the Phase 1 limits near 204<sup>th</sup> St SE and 188<sup>th</sup> St SE.
- Update corridor model with new survey at Sunset Road near Sta. 511+00 to 514+00.
- Update driveway models based on revised roadway profile (up to 3 driveway regrading)
- Create one new driveway model

## **Storm Drainage**

The AGENCY will arrange and facilitate coordination meetings. Storm drainage design coordination meetings are anticipated to last one hour each with up to two (2) attendees from the consulting firm. The CONSULTANT will prepare meeting agendas and meeting notes. The CONSULTANT will attend up to two (2) virtual meetings with the AGENCY:

- South Infiltration Site
- 180<sup>th</sup> Pond

Assumptions:

- The AGENCY geotechnical engineer will serve as the geotechnical engineer of record for storm drainage design.

## **Roadway Preparation**

The CONSULTANT will field survey trees near Maltby Rd. The field survey will need to be included in the inventory assessment.

Assumptions:

- The AGENCY will obtain rights of entries for all properties
- The level of effort will be limited to what is shown within the project level of effort (budgeting) spreadsheet
- See Task 2 for topographic survey of existing trees.
- Existing trees will only be inventoried by the arborist between Maltby Road and Jewell Road and the areas listed above.

The CONSULTANT for the 99% submittal will:

- a. Prepare Final Construction Documents incorporating responses to 90% PS&E comments from AGENCY staff.
- b. Renumber sheets and update cover sheet for Phase 1 drawings
- c. Engineer's Construction Estimate will be separated into two (2) schedules: the improvements within WSDOT ROW and the improvements within Snohomish County ROW.

Assumptions:

- Any additional 90% comments from AGENCY staff will be limited to the updated sheets listed in Tasks 9.4.
- AGENCY will compile specification package for the project.
- The number is sheets is limited to what is listed within the project level of effort (budgeting) spreadsheet.

Deliverables:

- Responses to previous Bluebeam 90% comments for all phases (directly on the compiled document provided by the AGENCY)
- Responses to Bluebeam 90% comments of updated sheets listed in Task 9.4 (directly on the compiled document provided by the AGENCY)
- Electronic copy of the 99% Phase 1 plan set in PDF format.
- Electronic copy of the 99% Phase 1 opinion of cost submitted in PDF format and quantity calculations spreadsheets.
- Electronic copy of the anticipated Phase 1 Special Provisions submitted in PDF format and word document.

## **9.6 Phase 1 Final Bid Document (100%)**

*(Replace the original scope of work with the following work items.)*

- a. Attend 99% plan review meeting
- b. Prepare Final (Bid-Ready) Construction Documents incorporating responses to 99% PS&E comments from AGENCY staff.
- c. Transmit Final (sealed/stamped and signed) Full sized Design, Special Provisions, and Estimate of Probable Construction Cost to AGENCY for reproduction and bid advertisement.
- d. The AGENCY will provide reproduction of Construction/Bid Documents and will transmit four (4) half-size copies of plans to the CONSULTANT.

Assumptions:

- Addressing AGENCY's 99% comments will be limited to what is listed within the project level of effort (budgeting) spreadsheet for Task 9.6.
- PS&E package is final at this stage and no "additional" comments will be generated. Comments are designed only to verify that responses to 99% final comments were incorporated as mutually agreed.
- The number is sheets is limited to what is listed within the project level of effort (budgeting) spreadsheet

Deliverables:

- Final Phase 1 Plans sealed by a Professional Engineer licensed in Washington State in electronic format
- Final Phase 1 Special Provisions
- Final Phase 1 Engineer's Estimate of Probable Construction Cost sealed by a Professional Engineer licensed in Washington State
- Phase 1 Quantity take-off calculation sheet (electronically in XLS format)
- Electronic file transfer containing all design files

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## 9.7 Phase 2 90% Plan Updates

The CONSULTANT will prepare 90% plan updates for the AGENCY to review. 90% plan updates are based on the 90% AGENCY comments that require additional coordination.

### 9.7.1 Phase 2 Utility Coordination

The CONSULTANT will incorporate up to one (1) utility relocation, including Alderwood Water and Wastewater District's Relocation, into the plans including updates to the site preparation, pavement restoration, and showing the proposed layout in plans.

The AGENCY will arrange and facilitate coordination meetings. Utility coordination meetings are anticipated to last approximately one (1) hour each with up to three (3) attendees from the consulting firm. The CONSULTANT will prepare meeting agendas and meeting notes. The CONSULTANT will attend up to one (1) virtual meeting with the AGENCY:

- Alderwood Water and Wastewater District Relocation

Assumptions for Task 9.7.1:

- The AGENCY will provide Civil 3D AutoCAD files of utilities that are being installed under Inter Local Agency (ILA) agreement.

Deliverables for Task 9.7.1:

- Attendance of virtual coordination meetings including meeting minutes
- 90% Plan Updates of Storm Drainage Plans and Details in areas of ILA utilities being installed (up to 10 sheets)
- 90% Plan Updates of Paving Plans in areas of ILA utilities being installed (up to 5 sheets)

### 9.7.2 Phase 2 Construction Detour, Sequencing, and Milestone Schedule

The CONSULTANT will develop detour plans, construction sequencing, and construction milestone schedule for Phase 2 Improvements. The improvements along 43<sup>rd</sup> Ave SE are separated into the following Segments as defined in the 43<sup>rd</sup> Ave SE Design Report: Segment A are the improvements between 204<sup>th</sup> St SE and 200<sup>th</sup> St SE, Segment B are the improvements between 200<sup>th</sup> St SE and 196<sup>th</sup> St SE, and Segment C are the improvements between 196<sup>th</sup> St SE and 186<sup>th</sup> St SE. The detours and construction sequencing will be determined by the CONSULTANT with recommendations from the AGENCY.

The Construction Milestone Schedule (CMS) will include working days for the bid package. The CMS establishes a work breakdown schedule (WBS) that the successful contractor will utilize to report work progress. An example of a proposed CMS is shown below. The successful contractor will provide the detailed construction implementation schedule.

#### Construction Milestone Schedule

\* **Date Resp Provided by**

**S\_Date - Snohomish County Public Works  
(SCPW)**

**C\_Date - Contractor (Cnt)**

WBS Level	Description	Dur - Cal Days	Start	Finish
1	43 <sup>rd</sup> Avenue SE/Sunset Road: SR 524 to 180 <sup>th</sup> Street SE Project		<S_Date>	<S_Date>
1.01	Pre-Project Milestones			
1.01.1	Advertise for Bid	28	<S_Date>	<S_Date>
1.01.1	Bid-opening	1	<S_Date>	<S_Date>
1.01.1	Notice of Intent to Award	7	<S_Date>	<S_Date>
1.01.1	Respond to Notification	2	<S_Date>	<S_Date>
1.01.1	Notice of Award	14	<S_Date>	<S_Date>
1.01.1	Provide Bond, Certs of Insurance, Agreement	14	<S_Date>	<S_Date>
1.01.1	Execute Agreement	14	<S_Date>	<S_Date>
1.02	Project Milestones			
1.02.1	Project Construction Start		<S_Date>	
1.02.1	NTP			<S_Date>
1.02.1	AHJ Provide Final ROW & Easement Reference Documents			<S_Date>
1.02.1	AHJ Utility Relocations Complete			<S_Date>
1.02.1	Division 1 General Rqrmt's Submittals Complete			<S_Date>
1.02.1	Mobilized			<S_Date>
1.02.1	Technical Submittals Complete			<S_Date>
1.02.1	Start Procurement			<S_Date>
1.02.1	Complete Procurement			<S_Date>
1.02.1	Project Complete			<S_Date>
1.03	Project General Requirement Submittals & Mobilization		<S_Date>	<S_Date>
1.03.1	HS&E		<C_Date>	<C_Date>
1.03.2	QA/QC		<C_Date>	<C_Date>
1.03.3	Project Controls		<C_Date>	<C_Date>
1.03.4	Mobilization & Construction		<C_Date>	<C_Date>
1.04	Project Technical Submittals & Procurement		<S_Date>	<S_Date>
1.04.1	Submittals & Procurement		<C_Date>	<C_Date>
1.05	Widen 43rd Ave SE from SR 524 north to 188th St SE to a two-lane rural section		<S_Date>	<S_Date>
1.05.1	<Segment 1 by Contractor>		<C_Date>	<C_Date>
1.05.1.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.05.1.2	<Construction>		<C_Date>	<C_Date>
1.05.2	<Segment 2 by Contractor>		<C_Date>	<C_Date>
1.05.2.1	<Submittals & Procurement>		<C_Date>	<C_Date>

1.05.2.2	<Construction>		<C_Date>	<C_Date>
1.05.3	<Segment 3 by Contractor>		<C_Date>	<C_Date>
1.05.3.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.05.3.2	<Construction>		<C_Date>	<C_Date>
1.05.4	<Segment 4 by Contractor>		<C_Date>	<C_Date>
1.05.4.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.05.4.2	<Construction>		<C_Date>	<C_Date>
1.06	Add approximately 1,400 linear feet of new county rural road to connect 200th St SE and 196th St SE		<S_Date>	<S_Date>
1.06.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.06.2	<Construction>		<C_Date>	<C_Date>
1.07	Improve the existing urban section of 43rd Ave SE from 188th St SE north to 184th St SE		<S_Date>	<S_Date>
1.07.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.07.2	<Construction>		<C_Date>	<C_Date>
1.08	Add approximately 450 linear feet of new county urban road between 184th St SE and 42nd Dr SE		<S_Date>	<S_Date>
1.08.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.08.2	<Construction>		<C_Date>	<C_Date>
1.09	Install two new roundabouts on 43rd Ave SE at SR 524 and at 196th St SE		<S_Date>	<S_Date>
1.09.1	Roundabout @ 43rd Ave SE at SR 524		<C_Date>	<C_Date>
1.09.1.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.09.1.2	<Construction>		<C_Date>	<C_Date>
1.09.2	Roundabout @ 43rd Ave SE at 196th St SE		<C_Date>	<C_Date>
1.09.2.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.09.2.2	<Construction>		<C_Date>	<C_Date>
1.10	Install new traffic signal and turn pockets at 180th St SE and Sunset Rd		<S_Date>	<S_Date>
1.10.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.10.2	<Construction>		<C_Date>	<C_Date>
1.11	Add two new stormwater ponds and two underground stormwater chambers		<S_Date>	<S_Date>
1.11.1	<Pond 1 by Contractor>		<C_Date>	<C_Date>
1.11.1.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.11.1.2	<Construction>		<C_Date>	<C_Date>
1.11.2	<Pond 2 by Contractor>		<C_Date>	<C_Date>
1.11.2.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.11.2.2	<Construction>		<C_Date>	<C_Date>
1.11.3	<U/G Stormwater Chamber 1 by Contractor>		<C_Date>	<C_Date>

1.11.3.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.11.3.2	<Construction>		<C_Date>	<C_Date>
1.11.4	<U/G Stormwater Chamber 2 by Contractor>		<C_Date>	<C_Date>
1.11.4.1	<Submittals & Procurement>		<C_Date>	<C_Date>
1.11.4.2	<Construction>		<C_Date>	<C_Date>
1.12	Completion		<S_Date>	<S_Date>
1.12.1	<Construction Close-out>		<C_Date>	<C_Date>

The AGENCY will arrange and facilitate traffic control coordination meetings. Traffic control coordination meetings are anticipated to last approximately two (2) hours each. The CONSULTANT will prepare meeting agendas, figures, and meeting notes. The CONSULTANT will attend up to five (5) virtual meetings with the AGENCY:

- Initial construction sequencing meeting with the AGENCY project manager and construction support staff.
  - Assume up to five (5) CONSULTANTS in attendance
- Focused discussion of construction at 43<sup>rd</sup> Ave SE and Jewell Road with the AGENCY project manager and construction support staff and CONSULTANTS.
  - Assume up to four (4) CONSULTANTS in attendance
- Focused discussion of construction of Segments A, B, and C with the AGENCY project manager and construction support staff, and CONSULTANTS.
  - Assume up to four (4) CONSULTANTS in attendance
  - One (1) follow up meetings for more challenging areas
- 90% Update design review meeting with the AGENCY project manager and construction support staff and CONSULTANTS.
  - Assume up to four (4) CONSULTANTS in attendance
- 99% design review meeting with the AGENCY project manager and construction support staff and CONSULTANTS.
  - Assume up to four (4) CONSULTANTS in attendance

The CONSULTANT will prepare a Sequencing overview plan. The Sequencing overview plan will the following things:

- Locations of site specific MOTs along the corridor
- Locations where standard MOT plans are applicable
- Up to five (5) standard MOT plans
- Locations of detour plans
- One (1) sheet for the plan

The CONSULTANT will prepare construction sequencing plans for Segment A. Construction sequencing plans will include the following:

- Up to two (2) sequences to construct the roadway widening
  - Up to one (1) cross section per sequence
  - Sequencing plan showing existing and proposed with hatching

- Suggested work activities
- Approved hours of operation
- Up to two 2 (2) sheets total

The CONSULTANT will prepare construction sequencing plans for Segment B. Construction sequencing plans will include the following:

- Up to three (3) sequences to construct the roadway widening
  - Sequencing plan showing existing and proposed with hatching
  - Suggested work activities
  - Approved hours of operation
  - One (1) sheet total

The CONSULTANT will prepare construction sequencing plans for the Jewell Road and 43rd Ave SE roundabout. Construction sequencing plans will include the following:

- Up to six (6) sequences to construct the roundabout
  - Up to one (1) cross section per sequence
  - Sequencing plan showing existing and proposed with hatching
  - Suggested work activities
  - Approved hours of operation
  - one (1) sheet per sequence
- Up to two (2) detour sheets

The CONSULTANT will prepare construction sequencing plans for Segment C. Construction sequencing plans will include the following:

- Up to three (3) sequences to construct the roadway widening
  - Sequencing plan showing existing and proposed with hatching
  - Suggested work activities
  - Approved hours of operation
  - One (1) sheet total

Assumptions for Task 9.7.3:

- The AGENCY will provide approved working hours
- The AGENCY will approve multi-day one lane closures and/or full roadway closures on 43<sup>rd</sup> Ave SE.
- The AGENCY will provide preferred detour routing.
- Contractor may develop alternative temporary signing and striping plans.
- For areas of improvements not specifically listed above, construction of improvements will be done utilizing standard MOT drawings referenced on Sequencing Overview Plan.

Deliverables for Task 9.7.3:

- Construction Milestone Schedule (Initial and up to four (4) updates)
- Meeting attendance including agendas, graphics, and meeting minutes
- OTS 60% Sequencing Overview Plan

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- OTS 60% Sequencing Plans
- OTS 60% Detour Plans
- 90% Sequencing Overview Plan
- 90% Sequencing Plans
- 90% Detour Plans

## **9.8 Phase 2 Final Bid Document (99%)**

*(Replace the original scope of work with the following work items.)*

### **Roadway**

The AGENCY will arrange and facilitate coordination meetings. Roadway design coordination meetings are anticipated to last one hour each with up to three (3) attendees from the consulting firm. The CONSULTANT will prepare meeting agendas and meeting notes. The CONSULTANT will attend up to three (3) virtual meetings with the AGENCY:

- Roadway pulverization
- Driveway coordination along the corridor
- New driveway due to property commitments (up to 4 new driveways)

The CONSULTANT will finalize the proposed surface including the following items:

- Update profile and improvements to transition to match existing features at the Phase 2 limits near 204<sup>th</sup> St SE and 188<sup>th</sup> St SE.
- Update corridor model for Phase 2
- Update driveway models based on revised driveway profile (up to 21 driveway regrading)
- Create up to four (4) new driveway models

### **Storm Drainage**

The CONSULTANT will update the infiltration facility near Sta 156+00 LT to revise the access road layout based on AGENCY's comments.

The CONSULTANT will finalize the proposed surface including the following items:

- Update north infiltration site and associated access driveway

Assumption:

- The AGENCY geotechnical engineer will serve as geotechnical engineer of record for storm drainage design.

### **Retaining Walls**

The CONSULTANT will provide additional engineering services to design a rockery wall associated with the driveway impacts at the driveway at Sta. 135+00 RT, resulting in up to one (1) additional retaining plan and one (1) additional retaining wall detail.

The AGENCY will arrange and facilitate coordination meetings. Retaining wall coordination meetings are anticipated to last approximately one (1) hour each with up to four (4) attendees from the consulting firm. The CONSULTANT will prepare meeting agendas and meeting notes. The CONSULTANT will attend up to one (1) virtual meeting with the AGENCY:

- Rockery wall geotechnical kickoff meeting with the AGENCY geotechnical engineer and CONSULTANTS.

Assumptions:

- The AGENCY geotechnical engineer will serve as the geotechnical engineer of record for retaining wall and rockery design.

**Erosion Control**

The AGENCY will arrange and facilitate coordination meetings. Temporary erosion control meetings are anticipated to last approximately one (1) hour each with up to three (3) attendees from the consulting firm. The CONSULTANT will prepare meeting agendas and meeting notes. The CONSULTANT will attend up to three (3) virtual meetings with the AGENCY:

- Aquifer protection of the Jewell Road Pond during construction
- Location of dispersions near Sta 115+00 to 117+00 (LT)
- Location of dispersion near Sta 155+00 (LT)

Assumptions:

- The AGENCY geotechnical engineer will serve as the geotechnical engineer of record.

The CONSULTANT for the 99% submittal will:

- Prepare Final Construction Documents incorporating responses to 90% PS&E comments from AGENCY staff.
- Renumber sheets and update cover sheet for Phase 2 drawings
- Engineer's Construction Estimate will be separated into one (1) schedule.

Assumptions:

- Any additional 90% comments from AGENCY staff will be limited to the updated Phase 2 sheets listed in Tasks 9.4 and 9.7.
- AGENCY will compile specification package for the project.
- The number of sheets is limited to what is listed in the project level of effort (budgeting) spreadsheet.

Deliverables:

- Update responses to previous Bluebeam 90% comments in Phase 2 (directly on the compiled document provided by the AGENCY) Responses to Bluebeam 90% comments of updated Phase 2 sheets listed in Tasks 9.4 and 9.7 (directly on the compiled document provided by the AGENCY)
- Electronic copy of the 99% Phase 2 plan set in PDF format.
- Electronic copy of the 99% Phase 2 opinion of cost submitted in PDF format and quantity calculations spreadsheets.
- Electronic copy of the anticipated Phase 2 Special Provisions submitted in PDF format and word document.

**9.9 Phase 2 Final Bid Document (100%)**

*(Replace the original scope of work with the following work items.)*

- Attend 99% plan review meeting.

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- b. Prepare Final (Bid-Ready) Construction Documents incorporating responses to 99% PS&E comments from AGENCY staff.
- c. Transmit Final (sealed/stamped and signed) Full sized Design, Special Provisions, and Estimate of Probable Construction Cost to AGENCY for reproduction and bid advertisement.
- d. The AGENCY will provide reproduction of Construction/Bid Documents, and will transmit four (4) half-size copies of plans to the CONSULTANT.

Assumptions:

- Addressing AGENCY’s 99% comments will be limited to what is listed in the level of effort (budgeting) spreadsheet for Task 9.9.
- PS&E package is final at this stage and no “additional” comments will be generated. Comments are designed only to verify that response to 99% final comments were incorporated as mutually agreed.
- The number of sheets is limited to what is listed in the project level of effort (budgeting) spreadsheet

Deliverables:

- Final Phase 2 Plans sealed by a Professional Engineer licensed in Washington State in electronic format
- Final Phase 2 Special Provisions
- Final Phase 2 Engineer’s Estimate of Probable Construction Cost sealed by a Professional Engineer licensed in Washington State
- Phase 2 Quantity take-off calculation sheet (electronically in XLS format)
- Electronic file transfer containing all design files

**Task 11 — Project File Management and Electronic Exchange of Engineering and Other Data**

*(Amend the original scope of work to due to rebalancing of budget.)*

The CONSULTANT will submit in-progress working electronic base files, using AGENCY standards, for the AGENCY’s use, as requested by AGENCY throughout the project duration up to four (4) submittals. AGENCY accepts the risk of using in-progress working basemap files. Files are unchecked and not for construction.

The CONSULTANT will submit final level electronic base files and Civil 3D files at the conclusion of the design phase.

**Task 12 — Assistance During Bidding**

*(Amend the original scope of work to due to rebalancing of budget.)*

**12.1 Phase 1 Assistance During Bidding**

The CONSULTANT shall provide assistance during the bid and award of the construction contract. The following tasks shall be provided by the CONSULTANT on an as-needed basis. The AGENCY shall provide written authorization to the CONSULTANT prior to the CONSULTANT providing any of the following services.



It is mutually agreed that the CONSULTANT's effort to perform these services is limited to what is shown within the project level of effort (budgeting) spreadsheet. Once this budget is reached, the CONSULTANT will cease to perform assistance during bid and award. The AGENCY, at its option, may provide additional written work authorization, and corresponding additional budget, to the CONSULTANT to perform additional services.

- If requested, the CONSULTANT shall assist the AGENCY during the bid period to answer any questions that arise concerning the construction bid documents and shall assist the AGENCY in preparing any addenda required.

Deliverables:

- Prepare responses to bidder questions
- Prepare bid document addenda.

## **12.2 Phase 2 Assistance During Bidding**

The CONSULTANT shall provide assistance during the bid and award of the construction contract. The following tasks shall be provided by the CONSULTANT on an as-needed basis. The AGENCY shall provide written authorization to the CONSULTANT prior to the CONSULTANT providing any of the following services.

It is mutually agreed that the CONSULTANT's effort to perform these services is limited to what is shown within the project level of effort (budgeting) spreadsheet. Once this budget is reached, the CONSULTANT will cease to perform assistance during bid and award. The AGENCY, at its option, may provide additional written work authorization, and corresponding additional budget, to the CONSULTANT to perform additional services.

- If requested, the CONSULTANT shall assist the AGENCY during the bid period to answer any questions that arise concerning the construction bid documents and shall assist the AGENCY in preparing any addenda required.

Deliverables:

- Prepare response to bidder questions
- Prepare bid document addenda.

## **Task 13 — Assistance During Construction**

The CONSULTANT will not be asked to inspect or observe work of the AGENCY's construction contractor except for the purposes of revising plans or drawings, or providing input or guidance on constructability.

If CONSULTANT is called upon to review submittals from construction contractors, CONSULTANT shall review and approve or take other appropriate action upon construction contractor(s)' submittals such as shop drawings, product data and samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the contract documents. CONSULTANT'S action shall be taken with such reasonable promptness as to cause no delay in the work while allowing sufficient time in CONSULTANT'S professional judgment to permit adequate review. Review of such submittals will not be conducted for the purpose of determining the accuracy and completeness of other details such as dimensions and quantities.

The CONSULTANT shall not assume any responsibility or liability for performance of the construction services, or for the safety of persons and property during construction, or for compliance with federal, state and local statutes, rules, regulations and codes applicable to the conduct of the construction services. CONSULTANT shall have no influence over the construction means, methods, techniques, sequences or procedures. Construction safety shall remain the sole responsibility of the construction contractor(s).

A. Site and Regular Contractor Meetings:

Upon the request by the AGENCY, the CONSULTANT shall attend regular contractor meetings and other site visits to provide engineering support, when needed. The CONSULTANT shall prepare meeting minutes, when requested by the AGENCY.

B. Request for Information (RFI)

The CONSULTANT shall provide responses contractor's RFI's in a timely manner. Generally, the AGENCY will need RFI responses within five (5) businesses days of the request, however more or less time may be allocated on the issue.

C. Constructability Issues/Plan Clarifications

The CONSULTANT shall provide input and guidance on constructability issues during construction. This includes on-site visits, design revisions based on field conditions or suggested plan changes by AGENCY staff. The AGENCY will provide a minimum of 48 hours for the CONSULTANT to respond with a recommended course of action. Both the AGENCY and CONSULTANT will agree on the time needed to complete the design revision.

For plan clarifications, the CONSULTANT shall respond within 48 hours, or other timeframe agreed by both the AGENCY and CONSULTANT.

D. Approval of Shop Drawings/Submittals

The CONSULTANT shall review shop drawings and/or proposals for substitutions of materials and procedures as submitted by the contractor for conformance with the project requirements and intent. The CONSULTANT shall provide the reviews and/or approvals within 10 business days, or as agreed by both the CONSULTANT and CONSULTANT.

E. Project Walkthrough and Acceptance

Upon the request of the AGENCY, the CONSULTANT shall assist the AGENCY in conducting the project final inspection and acceptance. This may include the preparation of punch list items and follow-up project walkthroughs to confirm completion.

F. Project Closeout

Upon request by the AGENCY, The CONSULTANT shall prepare a report and/or a summary of findings at the completion of project. The report shall include changes made during construction, as compared with the original design and intent of the project. The report shall also include lessons learned and improvements the AGENCY may want to consider.

Agreement Number: CCF01-19

### **13.1 Phase 1 Assistance During Construction**

The CONSULTANT shall provide on-call engineering support services during construction. The tasks listed in Task 13 may be provided by the CONSULTANT on an as-requested basis.

It is mutually agreed that the CONSULTANT's effort to perform these services is limited to what is shown within the project level of effort (budgeting) spreadsheet including all CONSULTANT costs, overhead and fees. Once this budget is reached, the CONSULTANT will cease to perform engineering support services. The AGENCY, at its option, may provide additional written work authorization, and corresponding additional budget, to the CONSULTANT to perform additional services.

Potential Deliverables:

- Project Management and Administration
- Monthly invoices with Progress Report
- Attend meetings and produce meeting minutes
- Response to RFI's
- Review and address constructability issues or design revisions
- Review of Shop Drawings
- Project walk-through
- Project Closeout Documentation

### **13.2 Phase 2 Assistance During Construction**

The CONSULTANT shall provide on-call engineering support services during construction. The tasks listed in Task 13 may be provided by the CONSULTANT on an as-requested basis.

It is mutually agreed that the CONSULTANT's effort to perform these services is limited to what is shown in the budget spreadsheet including all CONSULTANT costs, overhead and fees. Once this budget is reached, the CONSULTANT will cease to perform engineering support services. The AGENCY, at its option, may provide additional written work authorization, and corresponding additional budget, to the CONSULTANT to perform additional services.

Potential Deliverables:

- Project Management and Administration
- Monthly invoices with Progress Report
- Attend meetings and produce meeting minutes
- Response to RFI's
- Review and address constructability issues or design revisions
- Review of Shop Drawings
- Project walk-through
- Project Closeout Documentation

# Exhibit D

## Prime Consultant Cost Computations

43rd Avenue SE/Sunset Road: SR 524 to 180th Street SE

Summary: Based on scope as of 3/22/23

Work Task		Jacobs' Supplement Budget	F&P's Budget	1 Alliance's Budget	Total Budget
<b>Phase 1 Design:</b>					
1.1.1	Phase 1: Project Administration (10 months)	\$ 33,976	\$ 10,930		\$ 44,906
1.2.1	Phase 1: Project Coordination Meetings	\$ 11,504	\$ 4,613		\$ 16,117
1.3.1	Phase 1: Project Schedule	\$ 2,917	\$ 488		\$ 3,405
2.1	Phase 1: Survey and Basemapping	\$ 4,085		\$ 28,895	\$ 32,980
5	Phase 1: Agency Coordination	\$ 10,915	\$ 5,885		\$ 16,800
9.4.1	Phase 1: 90% Plans Updates - Utility Coordination	\$ 9,935			\$ 9,935
9.4.2	Phase 1: 90% Plans Updates - Signal, Illumination and Interconnect Design and Plans	\$ 5,072	\$ 30,917		\$ 35,988
9.4.3	Phase 1: 90% Plans Updates - Landscaping Design	\$ 34,834			\$ 34,834
9.4.4	Phase 1: 90% Plans Updates - Construction Detour, Sequencing, and Milestone Schedule	\$ 60,283			\$ 60,283
9.5	Phase 1: 99% Plans and Estimate	\$ 249,328	\$ 25,978		\$ 275,306
9.6	Phase 1: Final Bid Documents (100% Bid-Ready)	\$ 36,941	\$ 13,344		\$ 50,285
11.1	Phase 1: Project File Management and Electronic Exchange of Engineering and Other Data	\$ 4,380	\$ 3,341		\$ 7,722
12.1	Phase 1: Assistance During Bidding	\$ 14,016	\$ 7,866		\$ 21,881
	Expenses	\$ -	\$ 250	\$ 80	\$ 330
<b>Phase 1 Design Subtotal</b>					<b>\$ 610,772</b>
<i>Adjustment for remaining Task 9 Budget</i>					<i>\$ (76,278)</i>
<b>Phase 1 Design Adjusted Subtotal</b>					<b>\$ 534,494</b>
<b>Phase 2 Design:</b>					
1.1.2	Phase 2: Project Administration (12 months)	\$ 43,090	\$ 13,116		\$ 56,206
1.2.2	Phase 2: Project Coordination Meetings	\$ 14,718	\$ 3,918		\$ 18,637
1.3.2	Phase 2: Project Schedule	\$ 2,917	\$ 488		\$ 3,405
2.2	Phase 2: Survey and Basemapping	\$ 4,085		\$ 21,525	\$ 25,610
9.7.1	Phase 2: 90% Plans Updates - Utility Coordination	\$ 11,249			\$ 11,249
9.7.3	Phase 2: 90% Plans Updates - Construction Detour, Sequencing, and Milestone Schedule	\$ 89,543			\$ 89,543
9.8	Phase 2: 99% Plans and Estimate	\$ 296,183	\$ 18,031		\$ 314,214
9.9	Phase 2: Final Bid Documents (100% Bid-Ready)	\$ 41,919	\$ 7,947		\$ 49,867
11.2	Phase 2: Project File Management and Electronic Exchange of Engineering and Other Data	\$ 4,380	\$ 3,341		\$ 7,722
12.2	Phase 2: Assistance During Bidding	\$ 14,016	\$ 7,866		\$ 21,881
	Expenses		\$ 250	\$ 80	\$ 330
	Escalation	\$ 51,782			\$ 51,782
<b>Phase 2 Design Subtotal</b>					<b>\$ 650,445</b>
13.1	Phase 1: Assistance During Construction	\$ 111,298	\$ 14,726		\$ 126,024
13.2	Phase 2: Assistance During Construction	\$ 111,298	\$ 14,726		\$ 126,024
<b>Construction Subtotal</b>					<b>\$ 252,048</b>
<b>Total</b>					<b>\$ 1,436,987</b>

Agreement Number: CCF01-19



Only key staff as shown and other staff may work on and charge to the project as needed by the project manager.

Jacobs Laborer	Classification	Rate															Director	SE-05	SE-03	CA/D Design	Sr. CM	Sr. CM	Total Hours	Budget
		Director	PM-04	CE-04	CE-04	CE-01	CE-06	CE-06	CE-01	CE-01	CE-01	STRM-04	STRM-05	CE-05	LA-04	LA-05								
Phase 2: 90% Plans Update, Construction Detail, sequencing, and Milestone updates																								
6.7.3	Phase 2: 90% Plans Update	5	10	15		10												20	10	60	\$10,986.31			
	Attend roadway coordination meeting (up to 4 meetings, each 1 hour)																				20	\$1,000.00		
	Prepare and Update Construction Milestone Schedule (Initial and 2 updates)			4	4														28	32	68	\$13,609.74		
	Prepare 90% OTIS Sequencing Overview Plan (1 sheet)			2	5			10											4		30	\$4,304.71		
	Prepare 90% OTIS Sequencing Plans - Segment A (up to 2 sequences, 2 sheets)			4	8			20											2		34	\$4,814.36		
	Prepare 90% OTIS Sequencing Plans - Segment B (up to 3 sequences, 1 sheet)			2	4			12											6		24	\$3,448.50		
	Prepare 90% OTIS Detour Plans - Segment B (up to 1 sheet)			1	2			4													7	\$987.97		
	Prepare 90% OTIS Sequencing Plans - Segment A (up to 6 sequences, 6 sheets)			6	24			60											12		104	\$14,863.67		
	Prepare 90% OTIS Sequencing Plans - Segment C (up to 3 sequences, 3 sheets)			6	12			30											6		54	\$7,829.13		
	Prepare 90% OTIS Detour Plans - Segment C (up to 1 sheet)			1	2			4													7	\$987.97		
	Prepare 90% Sequencing Overview Plan (1 sheet)			2	2			4											2		14	\$2,049.07		
	Prepare 90% Sequencing Plans - Segment B (up to 3 sequences, 3 sheets)			2	4			12											20		20	\$2,838.41		
	Prepare 90% Detour Plans - Segment B (up to 1 sheet)			2	4			8										1		15	\$2,178.47			
	Prepare 90% OTIS Sequencing Plans - Segment B (up to 6 sequences, 6 sheets)			6	12			30											6		54	\$7,829.13		
	Prepare 90% Detour Plans - Segment B (up to 2 sheets)			2	4			8													14	\$1,975.35		
	Prepare 90% Sequencing Plans - Segment C (up to 3 sequences, 1 sheet)			3	6			15											3		27	\$3,714.56		
	Prepare 90% Detour Plans - Segment C (up to 1 sheet)			1	2			4													7	\$987.97		
	Prepare Responses to 90% Comments			2	4			4													10	\$1,380.86		
	Phase 2: 90% Plans and Bid Estimate			3	2			4													104	\$1,981,229.35		
New Scope	Attend roadway coordination meeting (up to 4 meetings)																				20	\$987.97		
New Scope	Attend roadway coordination meeting (up to 4 meetings)																				15	\$2,400.00		
New Scope	Update profile and model for placing trajectories into Phase 1			2	6		10			2	4	8								40	\$8,073.84			
New Scope	Update base lines for placing trajectories into existing			4	2	6	24			2	4	8	20							82	\$7,829.13			
New Scope	Prepare/Keep sheets for phasing (numbers, renumbering, sheet set mappings)																				12	\$1,587.68		
New Scope	Update driveway models (up to 21 driveways)			21	63																84	\$13,849.04		
New Scope	Prepare new driveway models (up to 4 driveways)			4	10																20	\$3,110.20		
New Scope	Prepare driveway schedule (up to 20)									2	6	10	4								30	\$4,184.36		
New Scope	Attend road coordination meeting (up to 4 meetings)			1	1																4	\$797.21		
New Scope	Attend existing construction coordination meeting (up to 2 meetings)			2	2																4	\$1,191.40		
New Scope	Update Cover Sheet with Utility Map and Index (1 sheet)			2	1			6		4										2	10	\$1,391.40		
New Scope	Coordinate Survey Control Bench Marks																							
New Scope	Update Legend, Abbreviations, and General Notes (1 sheet)			1	1			1													2	\$551.11		
New Scope	Update TIEG Plans (1 sheet)			2	4			4		8		8									15	\$2,049.07		
New Scope	Modify TIEG Transition Plans (1 sheet)			2	4			2		2		8									18	\$2,379.19		
New Scope	Update TIEG Details (1 sheet)			2	4			2		4		8									4	\$797.21		
New Scope	Update Site Preparation Plans (1 sheet)			4	8			8		2		4									8	\$1,191.40		
New Scope	Modify Site Preparation Transition Plans (1 sheet)			2	4			2		4		8									22	\$3,047.25		
New Scope	Update Site Inventory (1 sheet)			1	2			2													2	\$2,752.02		
New Scope	Update Street Sweeper Section (1 sheet)			1	4			4		6		12									14	\$1,975.35		
New Scope	Update Roadway Plans over Profiles (17 sheets)			17	8	8	16			4	4	8									60	\$9,348.23		
New Scope	Modify Roadway Transition Plans over Profiles (1 sheet)			2	2	2	4			2		2									18	\$2,400.00		
New Scope	Update Drainage Plans over Profiles (17 sheets)			17	8	8	16			4	4	8									69	\$9,348.23		
New Scope	Modify Drainage Transition Plans over Profiles (1 sheet)			4	4	4	8			2		2									14	\$1,884.54		
New Scope	Update Storm Drainage Details (7 sheets)			7	14			14		17											71	\$12,507.29		
New Scope	Update Stream Plan and Profile (12 sheets)			12	4	4	8			2		2	8	16							48	\$7,829.13		
New Scope	Update Stream Channel Topical Sections (1 sheet)			1	1			1													10	\$1,380.86		
New Scope	Update Culvert Structural Plan and Details (12 sheets)			12	4	4	8			2		2	8	16							78	\$11,448.28		
New Scope	Update Stream Bank Renovation Plans (12 sheets)			12	4	4	8			2		2	8	16							84	\$11,448.28		
New Scope	Update Parking Plans (2 sheets)			2	4			4													4	\$537.06		
New Scope	Modify Parking Transition Plans (1 sheet)			2	2			2													4	\$537.06		
New Scope	Update Interceptor Loading Plans (1 sheet)			2	2			2													4	\$537.06		
New Scope	Update Catch Basin Loading Plans (4 sheets)			4	6			12													20	\$3,110.20		
New Scope	Update Roundabout Plans and Grading Tables (12 sheets)			12	2	2	4														12	\$1,616.45		
New Scope	Update Roundabout Profiles (12 sheets)			12	2	2	4														18	\$2,400.00		
New Scope	Update Roundabout Details (2 sheets)			2	4			4													4	\$537.06		
New Scope	Update Miscellaneous Roadway Details (4 sheets)			4	2	2	4														10	\$1,496.21		

Only key staff as shown and other staff may work on and charge to the project as needed by the project manager.

Jacobs Laborer	Classification	Rate															Director	SE-05	SE-03	CA/D Design	Sr. CM	Sr. CM	Total Hours	Budget
		Director	PM-04	CE-04	CE-04	CE-01	CE-06	CE-06	CE-01	CE-01	CE-01	STRM-04	STRM-05	CE-05	LA-04	LA-05								
Phase 2: Final Bid Documents (100% Bid-Ready)																								
	Final Bid Documents (100% Bid-Ready)	14	28	42		10		10		12		12		4	4	4	4	2	4	8	12	12	214	\$11,333.64
	Prepare Final Construction Documents incorporating responses to			4		8		4		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4		8		8		8		8											40	\$7,161.99
	Final Bid Documents (100% Bid-Ready)			2		4		4		4		4											14	\$1,884.54
	Final Bid Documents (100% Bid-Ready)			4																				

## Fee Schedule

**Consultant: Jacobs Engineering Group, Inc.**

Position Classification	Direct Salary Rate	ICR @105.61%	Profit @24.66%	Max Rate Per Hour
Director	\$114.33	\$120.74	\$28.19	\$263.27
Project Manager - 04	\$87.95	\$92.88	\$21.69	\$202.52
Project Manager - 03	\$85.44	\$90.23	\$21.07	\$196.74
Project Manager - 02	\$82.85	\$87.50	\$20.43	\$190.78
Project Manager - 01	\$77.31	\$81.65	\$19.06	\$178.02
Civil Engineer - 06	\$87.95	\$92.88	\$21.69	\$202.52
Civil Engineer - 05	\$82.85	\$87.50	\$20.43	\$190.78
Civil Engineer - 04	\$72.07	\$76.11	\$17.77	\$165.96
Civil Engineer - 03	\$64.36	\$67.97	\$15.87	\$148.20
Civil Engineer - 02	\$59.43	\$62.76	\$14.66	\$136.85
Civil Engineer - 01	\$53.12	\$56.10	\$13.10	\$122.32
Structural Engineer - 06	\$85.66	\$90.47	\$21.12	\$197.25
Structural Engineer - 05	\$79.07	\$83.51	\$19.50	\$182.07
Structural Engineer - 04	\$70.15	\$74.09	\$17.30	\$161.53
Structural Engineer - 03	\$61.52	\$64.97	\$15.17	\$141.66
Structural Engineer - 02	\$54.63	\$57.69	\$13.47	\$125.80
Structural Engineer - 01	\$53.12	\$56.10	\$13.10	\$122.32
Landscape Architect - 05	\$80.34	\$84.85	\$19.81	\$185.00
Landscape Architect - 04	\$72.07	\$76.11	\$17.77	\$165.96
Landscape Architect - 03	\$64.36	\$67.97	\$15.87	\$148.20
Landscape Architect - 02	\$59.43	\$62.76	\$14.66	\$136.85
Arborist	\$61.48	\$64.93	\$15.16	\$141.57
Stream Designer - 05	\$80.34	\$84.85	\$19.81	\$185.00
Stream Designer - 04	\$72.07	\$76.11	\$17.77	\$165.96
Environmental Planner 4	\$70.70	\$74.67	\$17.43	\$162.80
Biologist 5	\$78.42	\$82.82	\$19.34	\$180.58
CADD Design - 05	\$67.31	\$71.09	\$16.60	\$155.00
CADD Design - 04	\$54.31	\$57.36	\$13.39	\$125.06
CADD Design - 03	\$52.88	\$55.85	\$13.04	\$121.77
Contract Administration	\$51.40	\$54.28	\$12.68	\$118.36
Estimating Manager	\$76.00	\$80.26	\$18.74	\$175.00
Estimating Professional	\$69.48	\$73.38	\$17.13	\$160.00
Senior Construction Manager	\$93.71	\$98.97	\$23.11	\$215.79
Construction Manager	\$67.60	\$71.39	\$16.67	\$155.66
Project Controller	\$54.28	\$57.33	\$13.39	\$125.00
Senior Project Administrative Assistant	\$48.05	\$50.75	\$11.85	\$110.64
Project Administrative Assistant	\$38.00	\$40.13	\$9.37	\$87.50
Intern - Engineer	\$38.00	\$40.13	\$9.37	\$87.50

The indirect cost rate (ICR), profit, and max rate per hour listed above are the maximum rates payable under this AGREEMENT. Rates invoiced shall be based on the direct salary of the individual employee plus ICR plus profit and shall not exceed the Max Rate Per Hour for each classification listed in this Exhibit D without prior written consent of the AGENCY.

Subconsultant Services and Other Direct Costs (ODC) will be reimbursed at the Actual Cost to the Consultant with no markup. ODCs are limited to the following items:

**Reimbursable Classifications**

Mileage

Outside Vendor Costs

**Rates**

Current IRS Rate

At Cost

Agreement Number: CCF01-19

Any ODC not included in the above list shall not be eligible for payment without prior written consent of the County. All reimbursable charges must be necessary for the services provided under this AGREEMENT.





Development Division  
Contract Services Office  
PO Box 47408  
Olympia, WA 98504-7408  
7345 Linderson Way SW  
Tumwater, WA 98501-6504

TTY: 1-800-833-6388  
[www.wsdot.wa.gov](http://www.wsdot.wa.gov)

April 21, 2023

Jacobs Engineering Group, BIA  
6312 S. Fiddler's Green Circle, Suite 300 North  
Greenwood Village, CO 80111

Subject: Acceptance FYE 2022 ICR – CPA Report

Dear Mark Gianetto:

We have accepted your firms FYE 2022 Indirect Cost Rate (ICR) based on the "Independent CPA Report," prepared by Cleary Government Services, LLC as follows:

- Office: 105.61%
- Field: 91.03%

This rate will be applicable for WSDOT Agreements and Local Agency Contracts in Washington only. This rate may be subject to additional review if considered necessary by WSDOT. Your ICR must be updated on an annual basis.

Costs billed to agreements/contracts will still be subject to audit of actual costs, based on the terms and conditions of the respective agreement/contract.

This was not a cognizant review. Any other entity contracting with the firm is responsible for determining the acceptability of the ICR.

If you have any questions, feel free to contact our office at (360) 704-6397 or via email [consultantrates@wsdot.wa.gov](mailto:consultantrates@wsdot.wa.gov).

Regards;

*Schatzie Harvey*

Schatzie Harvey (Apr 21, 2023 15:32 PDT)

SCHATZIE HARVEY, CPA  
Contract Services Manager


Apr 21, 2023

SH:BJO

Agreement Number: CCF01-19

# Exhibit E Sub-consultant Cost Computations

## 1 Alliance

PROJECT			Date 6-Feb-23		Snohomish County Approved Rates							
NUMBER			19-136		by EJV							
NAME			43rd to Sunset		ckd							
CLIENT			JACOBS									
OWNER			Snohomish County									
TASK			Principal	Senior PM	Project Surveyor	Senior PM	TECH 5 Office	TECH 5 Field	TECH 5	ADMIN 5	Admin	FEE
No. DESCRIPTION HRS			\$198.00	\$152.19	\$123.40	\$152.19	\$115.86	\$115.86	\$115.86		\$78.15	
<b>Phase 1: TASK 1: SR 524</b>												
1	Task 1.1: Survey PM, Admin, QA/QC	5.5	1	2	1	0.5					1	\$ 780
3	Task 1.2: Survey Control	5.5		0.5	1			2	2			\$ 663
4	Task 1.3: Field Survey and Mapping	19.5	0.5	2	1			8	8			\$ 2,381
5	Task 1.4: Utility Surveying Services	3		1				1	1			\$ 384
6	Task 1.5: Office Processing	0										\$ -
7		10.5	0.5	1	1		8					\$ 1,301
8	<b>Phase 1: TASK 2: 43rd Tree Survey</b>	0										
9	Task 2.1: Survey PM, Admin, QA/QC	6.5	1	2	2	0.5					1	\$ 903
10	Task 2.2: Survey Control	9.5		0.5	1			4	4			\$ 1,126
11	Task 2.3: Field Survey and Mapping	99.5	0.5	2	1			48	48			\$ 11,649
12	Task 2.4: Utility Surveying Services	0										\$ -
13	Task 2.5: Office Processing	34.5	0.5	1	1		32					\$ 4,082
14		0										
15	<b>Phase 1: TASK 4: Sunset Rd.</b>	0										
16	Task 5.1: Survey PM, Admin, QA/QC	5.5	1	2	1	0.5					1	\$ 780
17	Task 5.2: Survey Control	5.5		0.5	1			2	2			\$ 663
18	Task 5.3: Field Survey and Mapping	18.5	0.5	2	1			8	7			\$ 2,265
19	Task 5.4: Utility Surveying Services	5		1				2	2			\$ 616
20	Task 5.5: Office Processing	10.5	0.5	1	1		8					\$ 1,301
<b>TOTAL HOURS</b>			6	18.5	13	1.5	48	75	74	0	3	239
			\$ 1,188.00	\$2,815.52	\$ 1,604.20	\$ 228.29	\$ 5,561.28	\$ 8,689.50	\$ 8,573.64	\$ -	\$234.45	\$ 28,894.87
TOTAL DIRECT BURDENED SALARY COSTS												\$ 28,895
21	<b>Phase 2: OPTIONAL Survey</b>	0										
1	Task 3.1: Survey PM, Admin, QA/QC	5.5	1	2	1	0.5					1	\$ 780
1	Task 3.2: Survey Control	5.5		0.5	1			2	2			\$ 663
22	Task 3.3: Field Survey and Mapping	35.5	0.5	2	1			16	16			\$ 4,234
2	Task 3.4: Utility Surveying Services	0										
2	Task 3.5: Office Processing	14.5	0.5	1	1		12					\$ 1,765
23	<b>Phase 2: TASK 3: 43rd Driveways Survey</b>	0										
3	Task 4.1: Survey PM, Admin, QA/QC	5.5	1	2	1	0.5					1	\$ 780
3	Task 4.2: Survey Control	5.5		0.5	1			2	2			\$ 663
3	Task 4.3: Field Survey and Mapping	67.5	0.5	2	1			32	32			\$ 7,942
24	Task 4.4: Utility Surveying Services	5		1				2	2			\$ 616
4	Task 4.5: Office Processing	34.5	0.5	1	1		32					\$ 4,082
4		0										
<b>TOTAL HOURS</b>			4	12	8	1	44	54	54	0	2	179
			\$ 792.00	\$1,826.28	\$ 987.20	\$ 152.19	\$ 5,097.84	\$ 6,256.44	\$ 6,256.44	\$ -	\$156.30	\$ 21,524.69
TOTAL DIRECT BURDENED SALARY COSTS												\$ 21,525
OTHER DIRECT COSTS												
MILEAGE	(ONE WAY)	18.05	MILEAGE (TOTAL MILES)		244			\$ 0.655				\$ 160
number of field days		6.75	PER DIEM (DAYS)									\$ -
NOTES			LODGING (DAYS)									\$ -
			MATERIALS & SUPPLIES									\$ -
			Terrestrial scanner and software									\$ -
			SUE LOCATES									\$ -
TOTAL OTHER DIRECT COSTS												\$ 160
<b>GRAND TOTAL FEE ESTIMATE</b>												<b>\$ 50,579</b>

Agreement Number: CCF01-19

# Fehr & Peers

43rd Avenue SE/Sunset Road: SR 524 to 180th Street SE

## Fehr & Peers

Position	Principal	Associate	Sr. Admin Assistant	Total Hours by Task	Total Costs by Task
Max Billing Rate per Hour	\$ 244.00	\$ 147.84	\$ 117.00		
<b>Task 1 - Phase 1 Project Management</b>					
<b>1.1 Project Administration</b>					
Project setup, sub-agreements, and monthly reviews (10 months)	5				
Monitor project budget and schedule	5				
Facilitate and maintain project team communications	5				
Weekly project status updates	20				
Prepare monthly progress reports and invoices	5		10		
<i>Total Hours by Staff Role</i>	40	0	10	50	\$ 10,930.00
<b>1.2 Project Coordination Meetings</b>					
Attend monthly project coordination meetings (up to 5 meetings)	5	15			
Assist with meeting agendas and notes (up to 5 total)	3	3			
<i>Total Hours by Staff Role</i>	8	18	0	26	\$ 4,613.12
<b>1.3 Project Schedule</b>					
Update project schedule (up to 2 total)	2				
<i>Total Hours by Staff Role</i>	2	0	0	2	\$ 488.00
<b>Task 1 - Phase 2 Project Management</b>					
<b>1.1 Project Administration</b>					
Project setup, sub-agreements, and monthly reviews (12 months)	6				
Monitor project budget and schedule	6				
Facilitate and maintain project team communications	6				
Weekly project status updates	24				
Prepare monthly progress reports and invoices	6		12		
<i>Total Hours by Staff Role</i>	48	0	12	60	\$ 13,116.00
<b>1.2 Project Coordination Meetings</b>					
Attend monthly project coordination meetings (up to 6 meetings)	6	6			
Assist with meeting agendas and notes (up to 6 total)	4	4			
<i>Total Hours by Staff Role</i>	10	10	0	20	\$ 3,918.40
<b>1.3 Project Schedule</b>					
Update project schedule (up to 2 total)	2				
<i>Total Hours by Staff Role</i>	2	0	0	2	\$ 488.00
<b>Task 5 - Agency Coordination</b>					
Address WSDOT Comments	12	20			
<i>Total Hours by Staff Role</i>	12	20	0	32	\$ 5,884.80
<b>Task 9.4.2 - Phase 1 &amp; 2 90% Plan Updates</b>					
90% Plans Updates - Signal, Illumination and Interconnect	36	72			
Coordination Meetings with County Traffic and Associated Plans Revisions	6	12			
Coordination with PUD and Associated Plans Revisions	12	36			
<i>Total Hours by Staff Role</i>	54	120	0	174	\$ 30,916.80
<b>Task 9.5 - Phase 1 99% Plans and Estimate</b>					
Attend 90% Plan Review Meeting	1	1			
Provide written response to County 90% Comments	4	12			
Prepare 99% Plans	24	48			
Prepare 99% Bid Items	2	12			
Prepare 99% Special Provisions	2	12			
Prepare 99% Quantities and Estimate (up to 2 schedules)	4	24			
Prepare PDFs and Transmit Final 99% Design Documents	1	4			
<i>Total Hours by Staff Role</i>	38	113	0	151	\$ 25,977.92
<b>Task 9.6 - Phase 1 Final Bid Documents (100% Bid-Ready)</b>					
Attend 99% Plan Review Meeting	1	1			
Prepare Final Construction Documents incorporating responses to 99% comments.	18	36			
Provide written response to County 99% Comments	4	8			
Transmit Final Plans, Provisions, and Estimate.	2	4			
<i>Total Hours by Staff Role</i>	25	49	0	74	\$ 13,344.16

Agreement Number: CCF01-19

Fehr & Peers

Position	Principal	Associate	Sr. Admin Assistant	Total Hours by Task	Total Costs by Task
Max Billing Rate per Hour	\$ 244.00	\$ 147.84	\$ 117.00		
<b>Task 9.8 - Phase 2 99% Plans and Estimate</b>					
Provide written response to County 90% Comments	4	12			
Prepare 99% Plans	10	20			
Prepare 99% Bid Items	2	12			
Prepare 99% Special Provisions	2	12			
Prepare 99% Quantities and Estimate	4	24			
Prepare PDFs and Transmit Final 99% Design Documents	1	4			
<b>Total Hours by Staff Role</b>	<b>23</b>	<b>84</b>	<b>0</b>	<b>107</b>	<b>\$ 18,030.56</b>
<b>Task 9.9 - Phase 2 Final Bid Documents (100% Bid-Ready)</b>					
Attend 99% Plan Review Meeting	1	1			
Prepare Final Construction Documents incorporating responses to 99% comments.	8	16			
Provide written response to County 99% Comments	4	8			
Transmit Final Plans, Provisions, and Estimate.	2	4			
<b>Total Hours by Staff Role</b>	<b>15</b>	<b>29</b>	<b>0</b>	<b>44</b>	<b>\$ 7,947.36</b>
<b>Task 11.1 - Phase 1 Project File Management and Electronic Exchange of Engineering and Other Data</b>					
Phase 1 Exchange Electronic Data (up to 4 submittals)	4	16			
<b>Total Hours by Staff Role</b>	<b>4</b>	<b>16</b>	<b>0</b>	<b>20</b>	<b>\$ 3,341.44</b>
<b>Task 11.2 - Phase 2 Project File Management and Electronic Exchange of Engineering and Other Data</b>					
Phase 2 Exchange Electronic Data (up to 4 submittals)	4	16			
<b>Total Hours by Staff Role</b>	<b>4</b>	<b>16</b>	<b>0</b>	<b>20</b>	<b>\$ 3,341.44</b>
<b>Task 12.1 - Phase 1 Assistance During Bidding</b>					
Phase 1 Respond to Bidder's Questions	4	16			
Phase 1 Prepare Addendum	4	24			
<b>Total Hours by Staff Role</b>	<b>8</b>	<b>40</b>	<b>0</b>	<b>48</b>	<b>\$ 7,865.60</b>
<b>Task 12.2 - Phase 2 Assistance During Bidding</b>					
Phase 2 Respond to Bidder's Questions	4	16			
Phase 2 Prepare Addendum	4	24			
<b>Total Hours by Staff Role</b>	<b>8</b>	<b>40</b>	<b>0</b>	<b>48</b>	<b>\$ 7,865.60</b>
<b>Task 13.1 - Phase 1 Assistance During Construction</b>					
First Year of Construction	12	30			
Second Year of Construction	12	30			
<b>Total Hours by Staff Role</b>	<b>24</b>	<b>60</b>	<b>0</b>	<b>84</b>	<b>\$ 14,726.40</b>
<b>Task 13.2 - Phase 2 Assistance During Construction</b>					
First Year of Construction	12	30			
Second Year of Construction	12	30			
<b>Total Hours by Staff Role</b>	<b>24</b>	<b>60</b>	<b>0</b>	<b>84</b>	<b>\$ 14,726.40</b>
<b>Total Hours</b>	<b>349</b>	<b>675</b>	<b>22</b>	<b>1046</b>	
<b>Labor Costs</b>	<b>\$ 85,156.00</b>	<b>\$ 99,792.00</b>	<b>\$ 2,574.00</b>	<b>\$ 187,522.00</b>	
<b>SUMMARY</b>					
<b>Labor Costs</b>					<b>\$ 187,522.00</b>
<b>Expenses</b>					
Communication & Reproduction Reimbursables (assumed 4% of contract cost)					<b>\$ 500.00</b>
<b>TOTAL COST (Labor + Overhead + Expenses + Fee)</b>					<b>\$ 188,022.00</b>

## Fee Schedule

**Subconsultant: Fehr & Peers**

Position Classification	Direct Salary Rate	ICR @177.06%	Profit @24.66%	Max Rate Per Hour
Principal I-IV	\$80.87	\$143.19	\$19.94	\$244.00
Sr. Associate I-IV	\$68.27	\$120.88	\$16.84	\$205.98
Associate I-II	\$61.54	\$108.96	\$15.18	\$185.68
Senior Engineer/Planner I-III	\$46.14	\$81.70	\$11.38	\$139.21
Engineer / Planner I-III	\$35.34	\$62.57	\$8.71	\$106.63
Sr. Technician I-III	\$48.06	\$85.09	\$11.85	\$145.00
Sr. Administrative Assistant I-IV	\$38.78	\$68.66	\$9.56	\$117.00
Administrative Assistant I-IV	\$33.14	\$58.68	\$8.17	\$100.00
Intern	\$30.00	\$53.12	\$7.40	\$90.52

The indirect cost rate (ICR), profit, and max rate per hour listed above are the maximum rates payable under this AGREEMENT. Rates invoiced shall be based on the direct salary of the individual employee plus ICR plus profit and shall not exceed the Max Rate Per Hour for each classification listed in this Exhibit E without prior written consent of the AGENCY.

Other Direct Costs (ODC) will be reimbursed at the Actual Cost to the subconsultant with no markup. ODCs are limited to the following items:

Reimbursable Classifications	Rates
Mileage	Current IRS Rate
Outside Vendor Costs	At Cost

Any ODC not included in the above list shall not be eligible for payment without prior written consent of the County. All reimbursable charges must be necessary for the services provided under this AGREEMENT.



October 10, 2022

Fehr & Peers  
100 Pringle Avenue, Suite 600  
Walnut Creek, CA 94596

Subject: Acceptance FYE 2021 ICR – CPA Report

Dear Lysa Wollard:

We have accepted your firms FYE 2021 Indirect Cost Rate (ICR) of 177.06% of direct labor based on the "Independent CPA Report," prepared by D.L. Purvine, CPA, PLLC. This rate will be applicable for WSDOT Agreements and Local Agency Contracts in Washington only. This rate may be subject to additional review if considered necessary by WSDOT. Your ICR must be updated on an annual basis.

Costs billed to agreements/contracts will still be subject to audit of actual costs, based on the terms and conditions of the respective agreement/contract.

This was not a cognizant review. Any other entity contracting with the firm is responsible for determining the acceptability of the ICR.

If you have any questions, feel free to contact our office at (360) 705-7019 or via email [consultantrates@wsdot.wa.gov](mailto:consultantrates@wsdot.wa.gov).

Regards;

*Schatzie Harvey*

Schatzie Harvey (Oct 10, 2022 14:24 PDT)  
SCHATZIE HARVEY, CPA

Contract Services Manager

SH:ah