



## PARKS & PUBLIC WORKS COUNCIL COMMITTEE & COMMITTEE OF THE WHOLE HYBRID MEETING

Tuesday, May 16, 2023, at 5:00 PM

Snoqualmie City Hall, 38624 SE River Street & Zoom

### COMMITTEE MEMBERS

Ethan Benson, Chair

Bryan Holloway, Councilmember

Jolyon Johnson, Councilmember

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### CALL TO ORDER & ROLL CALL

### PUBLIC COMMENTS

### MINUTES

1. Approval of minutes dated May 2, 2023.

### AGENDA BILLS

2. **AB23-063:** Amending RH2 Contract for WRF Phase 3 Engineering Services During Construction
3. **AB23-064:** Awarding Contract to ICON Materials for 2023 Overlay Project
4. **AB23-065:** Awarding Contract to ICON Materials for Snoqualmie Parkway Rehabilitation Project

### DISCUSSION

5. Six-Year Transportation Improvement Program
6. Eagle Lake Water Reclamation Basin Improvements Project Update
7. Director Reports
  1. Staffing
  2. Project status

### ADJOURNMENT



# **PARKS & PUBLIC WORKS COUNCIL COMMITTEE & COMMITTEE OF THE WHOLE HYBRID MEETING MINUTES MAY 2, 2023**

*This meeting was conducted in person and remotely using teleconferencing technology provided by Zoom*

## **CALL TO ORDER**

Councilmember Benson called the meeting to order at 5:01 pm.

**Committee Members:** Councilmember Bryan Holloway was present. Mayor Katherine Ross was also present.

It was moved by CM Holloway and seconded by CM Benson to excuse CM Johnson.

### **City Staff:**

Mike Sauerwein, City Administrator; Mike Chambless, Parks & Public Works Director; Drew Bouta, Budget Manager; Deana Dean, City Clerk; Hind Ahmed, Project Engineer; Jimmie Betts, IT Support; Anna Astrakhan, Assistant City Attorney; Krista Hintz, Management Analyst; and Andrew Vining, Project Engineer.

**PUBLIC COMMENTS** - There were no public comments.

**AGENDA APPROVAL** – The agenda was approved as presented.

## **MINUTES**

1. The minutes from the April 18, 2023, meeting were approved as presented.

## **AGENDA BILLS**

2. **AB23-057:** Resolution Approving Purchase Order for WRF Headworks Belt Screen. Andrew Vining, Project Engineer, reviewed the agenda bill for a direct purchase of a headworks belt screen replacing the existing 2012 belt screen. Installation would be in approximately nine months. Discussion followed. This item is approved to move forward at the May 8, 2023, Council meeting, non-consent agenda.

Councilmember Johnson appeared at 5:10 pm.

Mike Chambless, Parks & Public Works Director, announced bid openings for the Snoqualmie Parkway Rehabilitation Project were today and the apparent low bidder came in at \$3.75 million for the complete project, subject to verification.

3. **AB23-058:** Resolution Selecting Parametrix for the Construction Management of Snoqualmie Parkway Rehabilitation Project. Hind Ahmed, Project Engineer, reviewed the agenda bill for construction management of the Snoqualmie Parkway Rehabilitation Project. Discussion followed. This item is approved to move forward at the May 8, 2023, Council meeting, consent agenda.

## DISCUSSION

2. CIP Community Expansion Project: Director Chambless provided an update on the Community Center Expansion Project including timelines to date and timelines moving forward. Discussion followed. Council indicated both items can be bundled in the agenda bill for the May 16<sup>th</sup> and May 22<sup>nd</sup> meetings. Continued discussion regarding sledding and fencing around pickle/tennis ball courts.

**ADJOURNMENT** - The meeting was adjourned at 5:40 pm.

*Minutes taken by Deana Dean, City Clerk*

*Recorded meeting audio is available on the City website after the meeting.*

*Minutes approved at the \_\_\_\_\_ Parks & Public Works Committee Meeting.*



# BUSINESS OF THE CITY COUNCIL CITY OF SNOQUALMIE

**AB23-063**  
**May 22, 2023**  
Choose an item.

Item 2.

## AGENDA BILL INFORMATION

<b>TITLE:</b>	AB23-063: Amendment with RH2 Engineering for Water Reclamation Facility Phase 3 Services During Construction	<input type="checkbox"/> Discussion Only
<b>PROPOSED COUNCIL ACTION:</b>	Approve an amendment to the agreement with RH2 Engineering for services during construction	<input checked="" type="checkbox"/> Action Needed: <input checked="" type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input type="checkbox"/> Resolution

<b>REVIEW:</b>	Department Director/Peer	Mike Chambless	n/a
	Finance	Janna Walker	5/5/2023
	Legal	Anna Astrakhan	5/4/2023
	City Administrator	Mike Sauerwein	n/a

<b>DEPARTMENT:</b>	Parks & Public Works		
<b>STAFF:</b>	Andrew Vining		
<b>COMMITTEE:</b>	Parks & Public Works	<b>COMMITTEE DATE:</b> May 16, 2023	
<b>MEMBERS:</b>	Ethan Benson	Bryan Holloway	Jo Johnson
<b>EXHIBITS:</b>	1. Amendment to RH2 Services Agreement 2. CIP Excerpt: Water Reclamation Facility Phase 3		

<b>AMOUNT OF EXPENDITURE</b>	\$ 1,373,095
<b>AMOUNT BUDGETED</b>	\$ \$15,262,217
<b>APPROPRIATION REQUESTED</b>	\$ 0

## SUMMARY

### INTRODUCTION

This agenda bill seeks to amend the existing services agreement with RH2 Engineering for the Water Reclamation Facility (WRF) Phase 3 to include engineering support services during construction and Supervisory Control and Data Acquisition (SCADA) Programming of major improvements at the WRF Site. The WRF Phase 3 Improvements will increase sewer treatment capacity, enhance performance, and replace critical components that are nearing the end of their expected service life.

### LEGISLATIVE HISTORY

The original contract with RH2 Engineering was approved by Council on February 28, 2022 under [AB22-031](#) to complete preliminary design of the WRF Phase 3 Improvements. On August 22, 2022 under [AB22-108](#) Council Approved Amendment No. 1 to the services agreement to include final design, permitting, and services during bidding of the WRF Phase 3 Improvements. On January 9, 2023 under [AB23-002](#) Council Approved Amendment No. 2 to the services agreement to include engineering services support services during construction and SCADA Programming for the Kimball Creek Lift Station.

## BACKGROUND

The City's General Sewer Plan identified multiple projects for the Phase 3 of the WRF Improvements including major improvements at the headworks, oxidation ditches, and solids handling facility. These major improvements will increase treatment capacity, enhance performance, and replace components that are nearing the end of their expected service life. In May 2022, during WRF Phase 3 preliminary design, the City entered into an agreement with the Snoqualmie Tribe for the provision of added sewer utility service related to Casino expansion scheduled to soft start in fourth quarter 2024. The agreement included General Facility Charges (GFCs) as well as project schedule milestones to ensure that commercially reasonable and best efforts are made such that added sewer utility services will be available for the soft opening.

The final design work is now complete and the WRF Phase 3 Improvements were advertised to bidders on April 21<sup>st</sup>, 2023. Early bidding and award of these improvements allows for the contractor to procure equipment with long lead times and phase construction for minimal impacts to WRF operations. Engineering support for this work is scheduled to begin in summer 2023 as the contractor begins submittals for early equipment procurement.

Below is a summary of the current and proposed engineering services related to the Phase 3 Improvements at the WRF:

- Task 2 – Preliminary Design of Major WRF Improvements (Completed under original contract)
- Task 6 – Final Design of Major WRF Improvements (Completed under Amendment 1)
- Task 7 –Permitting for Major WRF Improvements (Completed under Amendment 1)
- Task 8 – Support During Bidding for the Major WRF Improvements (Completed under Amendment 1)
- Task 11 – Support During Construction of Major WRF Improvements (Proposed under Amendment 3)
- Task 12 –SCADA Programming for Major WRF Improvements (Proposed under Amendment 3)

## ANALYSIS

The intent of this project is to increase the capacity of the WRF, replace aging equipment, and enhance treatment performance to maintain compliance with the NDPES Permit. The design phase work is complete and construction is expected to begin promptly to maintain permit compliance and fulfill obligations to current and future sewer customers. Engineering support for this work will summer 2023 as the contractor begins submittals for early equipment procurement. These tasks were anticipated at the time of the original contract and the fee is consistent with original project budget estimates.

## BUDGET IMPACTS

Administration recommends approval of Amendment No. 3 with RH2 Engineering in the amount of \$1,373,095 to include engineering support services during construction and Supervisory Control and Data Acquisition (SCADA) Programming of major improvements at the WRF Site. The City incorporated the project into the 2023-2028 Capital Improvement Plan (CIP) (see Exhibit #2) with a total project budget of \$15,262,217 and into the 2023-2024 Biennial Budget with a budget of \$13,357,000. When accounting for the expenditures previously incurred, the outstanding value of contracts previously approved, and the value of this contract, the City has a remaining project budget of \$10,451,039 and a remaining budget of \$9,251,503 for the biennium (please see the table below or on the next page). Therefore, sufficient appropriation exists within the 2023-2024 Biennial Budget (Utilities Capital Fund #417) to fund the contract.

**WRF Phase III**

	<b>Life-of-Project Budget</b> <i>(Multiple Bienniums)</i>		<b>2023-2024</b> <b>Biennial Budget</b>	
<b>Beginning Budget</b>	\$	15,262,217	\$	13,357,000
<b>Expenditures</b>	\$	(1,019,530)	\$	(313,849)
<b>Outstanding Contract Value</b>	\$	(2,418,553)	\$	(2,418,553)
<b>Current Available Budget</b>	\$	11,824,134	\$	10,624,598
<b>Value of this Purchase Order (AB23-063)</b>	\$	(1,373,095)	\$	(1,373,095)
<b>Available Budget after AB23-063</b>	\$	10,451,039	\$	9,251,503

**NEXT STEPS**

Following Council approval staff will work with the Mayor to execute Amendment No. 3 with RH2 Engineering. RH2 will begin submittal review for equipment procurement early summer 2023. Construction of the new blower building, headworks improvements, and solids handling improvements is expected to occur over the next year. Following completion of these tasks the oxidation ditches will be retrofitted one at time. The new treatment process will begin startup during winter 2024 and construction completion is expected during summer 2025 following commissioning and SCADA programming.

**PROPOSED ACTION**

Move to approve an amendment to the WRF Phase 3 design services agreement with RH2 Engineering.

CITY OF SNOQUALMIE  
 AGREEMENT FOR CONSULTANT SERVICES  
 Amendment No. 3  
 Water Reclamation Facility Phase 3 Improvements

This Amendment No. 3 to Agreement for Consulting Services is entered into this \_\_\_\_ day of May, 2023 by and between the City of Snoqualmie, a Washington municipal corporation (“City”) and RH2 Engineering, Inc., a Washington corporation (“Consultant”). City and Consultant are collectively referred to herein as “the Parties.”

**WHEREAS**, the City and Consultant previously entered into an Agreement for Consultant Services on March 1, 2022 (“Agreement”), which provided for Consultant to complete preliminary design of the WRF Phase 3 improvements; and

**WHEREAS**, on August 22, 2022, Council approved Amendment No. 1 to the Agreement that included final project design, permitting and support during bidding; and

**WHEREAS**, on January 9, 2023, Council approved Amendment No. 2 to the Agreement that included engineering support services during construction and Supervisory control and Data Acquisition (SCADA) programming at the Kimball Creek Lift Station; and

**WHEREAS**, the City has requested Consultant to provide additional services including engineering support services during construction and SCADA Programming of major improvements at the Water Reclamation Facility (WRF) Site; and

**WHEREAS**, Consultant has the resources and capability to perform this work and has provided a scope of work and an hour and fee estimate for such additional work;

**NOW, THEREFORE**, the parties herein do mutually agree as follows:

**Section 1. Scope of Work Amended.** Exhibit A (“Scope of Work”) to the March 1, 2022 Agreement is hereby amended to add the additional work tasks set forth in Exhibit A to this Amendment No. 3.

**Section 2. Compensation Amended.** Section 2 of the March 1, 2022 Agreement (“Compensation”) is hereby amended to increase the total compensation to be paid Consultant for the work from \$1,355,104 to \$2,728,199.

**Section 3. Exhibit B (“Compensation”) Amended.** Exhibit B to the March 1, 2022 Agreement is hereby amended to add the additional compensation and fee details set forth in Exhibit B to this Amendment No. 3

CITY OF SNOQUALMIE,  
WASHINGTON

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

Its: Mayor

Date: \_\_\_\_\_

CONSULTANT – RH2.

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

Typed/Printed Name: \_\_\_\_\_

Its: \_\_\_\_\_

Date: \_\_\_\_\_

ATTEST:

Deana Dean, City Clerk

Date: \_\_\_\_\_

APPROVED AS TO FORM:

Anna Astrakhan, Assistant City Attorney

Date: \_\_\_\_\_

**EXHIBIT A**  
**Scope of Work**  
**Amendment No. 3**  
**City of Snoqualmie**  
**Water Reclamation Facility Phase 3 Improvements**  
**Services During Construction**  
March 2023

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## Background

The City of Snoqualmie (City) owns and operates the Water Reclamation Facility (WRF) and the Kimball Creek Lift Station (LS). To accommodate projected flows and loads, handle replacement of aging components installed over 20 years ago, and meet regulatory requirements, the City's 2021 *General Sewer Plan* (GSP) identified multiple projects for Phase 3 of the WRF Improvements. This Scope of Work includes Tasks necessary to provide services during construction (SDC) for the Major WRF Improvements as follows:

- Capital Improvement Program (CIP) F8 – Activated Sludge Basins Improvements: The capacity of the existing secondary treatment process nearly is exceeded at current loading. Additionally, the existing oxidation ditch equipment needs replacement due to its age. This project will convert the existing oxidation ditches into plug flow activated sludge basins with the goal of producing an activated sludge that increases the biological treatment capacity within the existing tankage while providing nutrient removal. With substantially increased mixed liquor settleability, an additional secondary clarifier likely can be avoided in the near term.
- CIP F5 – Grit Removal System Improvement Project: A significant portion of the existing grit system was replaced with the Phase 2 project, though the internal portions of the grit chamber have not been refurbished. These should be replaced due to age and any additional improvements to increase grit capture efficiency should be made.
  - During design of the Phase 3 improvements it was determined that the existing headworks screen needs to be removed and replaced.
- CIP DF6 – Aerobic Digester Aeration Improvements: Replace the existing membrane aeration equipment in the first two digesters with jet aeration equipment. This will include removal of the diffusers and top-entering mixers in these digesters. A jet aeration manifold and submersible recycle pump will be installed in each of these digesters, along with mechanical changes to support these additions. Electrical and control improvements also will be made to support these improvements.

The previous scope of work included the following tasks:

- Task 1 – Project Management**
- Task 2 – Preliminary Design of Major WRF Improvements**
- Task 3 – Preliminary and Final Design of Kimball Creek LS**
- Task 4 – Management Reserve**
- Task 5 – Services During Bidding (SDB) for Kimball Creek LS**
- Task 6 – Final Design of Major WRF Improvements**
- Task 7 – Washington State Department of Ecology (Ecology) Review and City Permitting for Major WRF Improvements**
- Task 8 – SDB for Major WRF Improvements**
- Task 9 – SDC for Kimball Creek LS**
- Task 10 – Supervisory Control and Data Acquisition (SCADA) Programming for Kimball Creek LS**

This Scope of Work includes expanding project management services in Task 1, increasing the management reserve of Task 4, and the addition of the following tasks:

- Task 11 – SDC for Major WRF Improvements**
- Task 12 – SCADA Programming for Major WRF Improvements**

Future tasks include the following:

- Task 13 – Preliminary Design for Minor WRF Improvements (as identified in the GSP)**

This Scope of Work captures elements for SDC for the Major WRF Improvements project.

## **Task 1 – Project Management**

**Objective:** Manage RH2 Engineering, Inc.'s (RH2) project team and maintain frequent client communications. Maintain project schedule and prepare monthly invoices and budget status summaries. This existing task is amended to cover the extended duration of the contract amendment.

### **Approach:**

#### **1.1 Perform Project Management:**

- Provide direction, coordination, and oversight to the RH2 project team. Organize, manage, and coordinate technical disciplines as described herein, and implement quality assurance and quality control reviews to execute this Scope of Work in close coordination with City staff.
- Document and retain information generated during the execution of the project.
- Prepare monthly invoices and budget status summaries.

### **RH2 Deliverables:**

- Monthly progress reports with schedule, budget, work performed, and billed to date updates in electronic PDF.

## Task 4 – Management Reserve

**Objective:** Provide additional services as requested by the City. This existing Task is amended to cover the extended duration of the contract amendment.

**Approach:**

- 4.1 Provide additional services as requested and authorized by the City. Submit a scope of work and budget estimate for supplemental services requested by the City. The City shall provide written authorization to proceed with any supplemental services.

**RH2 Deliverables:**

- Scope of work and budget estimate for supplemental services in electronic PDF.
- Other deliverables as requested by the City under the authorization for any supplemental services throughout the duration of Tasks 1 through 12.

## Task 11 – SDC for Major WRF Improvements

**Objective:** Provide limited engineering SDC of the Phase 3 improvements to the level of effort stated in the fee estimate.

**Approach:**

- 11.1 Prepare Conformed for Construction Documents – Revise and update the bid plans, non-technical and technical specifications, and appendices to reflect addenda issued during the bidding phase. Print hard copies of the conformed for construction documents for contractor, City, and RH2 use during construction. Revise and update the equipment list, instrumentation schedule, and process control narratives, if applicable, to reflect addenda issued during the bidding phase.
- 11.2 Attend Pre-Construction Meeting – Prepare pre-construction meeting agenda. Send notice of meeting location, data, and time, along with the agenda, to invitees. Attend the meeting. Prepare meeting minutes and distribute to attendees.
- 11.3 Provide Construction Consultation and Document Review – Consult with the City on construction costs, scheduling, and constructability issues. Review shop drawings and catalog submittals of items requested in the technical specifications. Provide a written response to the contractor and the City accepting or rejecting each shop drawing and catalog submittal reviewed. Review written requests for information (RFIs) and change order proposals, and provide written responses to the contractor and the City. Review monthly pay requests by the contractor and coordinate with the City for processing payment. Prepare Construction Quality Assurance Plan (CQAP) and submit to Ecology for documentation, incorporating any minor comments from Ecology if provided.
- 11.4 Provide Part-Time On-Site Construction Observation – Provide at least two (2) RH2 representatives every two (2) weeks at construction progress meetings. Prepare meeting minutes and distribute to attendees. Review contractor's look-ahead construction schedule.

- Provide one (1) RH2 representative for part-time on-site construction observation and prepare observation reports. *It is assumed that part-time construction observation includes, on average, approximately thirty-two (32) hours per week of construction support services for forty-eight (48) weeks of construction observation.* Prepare progress reports, including contract time remaining statements. Coordinate with the contractor regarding construction schedule, progress, and constructability issues. Retain the services for a certified testing company as a subconsultant for material testing and special inspections.
- 11.5 Provide Testing and Startup Observation – Coordinate with the contractor and the City for the scheduled testing and startup activities. *This coordination will include the review and supplementation of the testing protocols developed by the contractor and manufacturers' representatives, and review of the tests and request for corrections.* Review and supplement startup protocols developed by the contractor and manufacturers' representatives. Provide at least two (2) RH2 representatives for on-site observation during startup to document activities and coordinate with the contractor. Discuss with the contractor and the City work that has not been completed by the contractor (punch list) and discuss contractor rectification.
- 11.6 Review Construction Record Drawings and Operations and Maintenance Manuals – Obtain contractor and City construction field records. Review field records, including RH2's, and revise the conformed for construction drawings to construction record plan drawings. Review the contractor-provided operations and maintenance (O&M) manuals for consistency with installed equipment and instrumentation.
- 11.7 Provide Final Observation and Project Closeout – Attend a final on-site observation with the City and prepare a letter of recommendation for project acceptance to the City. Prepare and submit the Ecology Construction Completion form.
- 11.8 Prepare Facility O&M Manuals – Prepare detailed O&M manual sections for the WRF Phase 3 improvements. Include an overview of process components, detailed descriptions of normal and emergency operational procedures, troubleshooting and preventative maintenance measures, and operator safety considerations. Include appendices of process schematics, manufacturer documentation, material safety data sheets, and periodic operations checklists. Provide Ecology a copy of the WRF O&M manual sections for review and incorporate comments into the final O&M manual section documents.

**Assumptions:**

- *The estimate of professional services for the construction phase of the project assumes a construction schedule and contractor progress that are typical for the industry and for projects similar to this one.*
- *RH2 will be the primary point of contact for the general contractor during construction; however, RH2 has not included full-time construction observation services in the Fee Estimate. It is assumed that part-time site observation will be sufficient.*

- *RH2 is not responsible for site safety, for determining means and methods, nor for directing the contractor in their work.*
- *No date is warranted or implied for agency response or approval of submittals.*

**Provided by the City:**

- Meeting space and attendance at the pre-construction meeting.
- Conformed for construction non-technical specifications.
- Processing payments to the contractor.
- Attendance at construction progress meetings.

**RH2 Deliverables:**

- CQAP submitted to Ecology and duplicate copy to the City.
- One (1) PDF and one (1) Word file (for the City) of the pre-construction meeting agenda and hard copies for attendees.
- Notice to invitees of the pre-construction meeting location, date, and time in electronic PDF.
- One (1) hard copy, one (1) PDF, and one (1) Word file of the pre-construction meeting minutes.
- Two (2) full-size hard copies and two (2) half-size hard copies of the conformed for construction plans, two (2) hard copies of the conformed for construction specifications and appendices, and one (1) PDF of the conformed for construction plans, specifications, and appendices for the contractor.
- Five (5) hard copies, one (1) PDF, and one (1) Word file (specifications) of the conformed for construction plans (half-size), specifications, and appendices for the City.
- Written responses for contractor-provided shop drawings and submittals, RFIs, change orders, and pay requests in electronic PDF.
- Construction progress meeting minutes in PDF and Word format.
- Construction observation reports in PDF and Word format.
- Construction progress reports and contract time remaining statements in PDF and Word/Excel format.
- Written responses to contractor-provided testing and startup protocols and for requests to contractor for correction.
- Startup checklists and summaries of startup results in PDF and Excel format.
- Written punch list to contractor and one (1) hard copy, one (1) PDF, and one (1) Word file for the City.

- One (1) hard copy, one (1) PDF, and one (1) Word file of letter of recommendation for project acceptance.
- One (1) hard copy of Construction Completion form submitted to Ecology and one (1) PDF duplicate to the City.
- Written responses for review of contractor-provided O&M manuals.
- Two (2) full-size hard copies, one (1) PDF, and AutoCAD DWG files of the construction record plan drawings.
- Five (5) hard copies, one (1) PDF, and one (1) Word file of the draft WRF O&M manual sections for the improvements.
- Five (5) hard copies, one (1) PDF, and one (1) Word file of the final draft WRF O&M manual sections for the improvements.

## Task 12 – SCADA Programming for Major WRF Improvements

**Objective:** Manage and coordinate RH2's engineering disciplines and related services required for project control system software integration completion for the WRF Phase 3 improvements. Provide control software development services for new OI and PLC equipment. Provide software development services for SCADA computer systems. Provide factory testing, field testing, startup, and commissioning support services related to the control system software at the WRF.

### Approach:

- 12.1 Communicate with City and Develop Action Items – Communicate issues with the City project team by phone on an as-needed basis. Develop meeting minutes and submit them within three (3) days of meetings, site visits, or conference calls. Develop and maintain an action item list that includes owner of each action item. Update list on a weekly basis at a minimum.
- 12.2 Coordinate SCADA Development Workshops – Coordinate a maximum of three (3) software development workshops and two (2) process review workshops. Workshops will be used to review:
  - Existing facility control processes;
  - Facility data point standards;
  - Instrumentation standards;
  - PLC control standards;
  - SCADA computer/communications network system design;
  - SCADA security/system access;
  - HMI data/graphic object standards;
  - Historical trending standards;

- Alarm notification standards; and
  - Implementation/commissioning methodology and schedule.
- 12.3 Develop PLC Software – Develop the PLC data point names, descriptions, and addresses based on the control panel design and City data point standards defined in subtask 12.2 and gathered during the workshops. Develop control loop descriptions, alarm interlocks, and control data required between controllers based on facility requirements. Develop software using Studio 5000 for Logix PLCs based on the previously defined PLC information.
- 12.4 Develop OI Software – Develop the OI for the control panels. *OI screen designs will be consistent with HMI screen designs. OI screens will contain the same graphical program that will be a subset of the HMI screen design. City staff will have final approval of HMI screen designs.*
- 12.5 Configure and Develop SCADA Computer Software – Work with City staff to design and configure HMI computer systems and develop HMI screen designs and layouts based on HMI standards defined by the City SCADA Master Plan and at software development workshops. *City staff will have final approval of HMI screen designs.* Work with City staff to develop the following HMI computer software:
- Update to overall facility process display that identifies major plant information in one overall screen. Links from this screen will dynamically display facility subsections.
  - Facility displays for each treatment subsystem.
  - Facility setpoint control components.
  - Facility real time and historical alarms and events displays. *Historical displays will filter alarms and events by specific time and data.*
  - Facility historical trending of analog and discrete data. This screen will be configurable to display normal groups of data or ad-hoc data. Trend data/time information will be selectable. Trend data will be capable of exporting to CSV files.
  - Summary displays will show summaries of totals, averages, minimums, and maximums. This information will be displayed for daily, monthly, and yearly periods of time.
  - Develop system reports based on information identified during software development workshops.
- 12.6 Review and Integrate Packaged Sub Systems – Coordinate with prepackaged system suppliers regarding integration into the facility control system. *This work will consist of review and approval of City selected subsystem control interfaces and integration of the subsystems into the overall control network.*

12.7 Attend Factory Testing – Attend a factory test at the contractor’s panel shop, which will include RH2 observing the following:

- Comparison of the final fabricated products against the original design criteria.
- Testing of the power systems.
- Testing of the networking and communications components.
- Testing of the PLC controller and OI.
- Testing of the discrete and analog inputs and outputs through simulation equipment.
- Loading the latest software in the PLC and OI software.
- Testing of the PLC analog scaling code.
- Testing of the PLC system alarms code.
- Testing of the PLC totalizing and system summary code.
- Testing of the PLC control loops code.
- Testing of the OI code during PLC code testing.

The City will be invited to approve the final panel configuration at the contractor’s panel shop after testing is complete and to use this opportunity as a first level of training on the use of the field control equipment. Prepare a factory test report for each control panel.

12.8 Attend Startup and Commissioning

- SCADA Computer Systems
  - Work with City staff to install and configure existing HMI computer systems. *This work will consist of updating existing computer HMI software and software utilities required to maintain the SCADA computer systems.*
- Facility Startup and Commissioning

The contractor will determine the order of the startup based on the implementation plan in the project specifications. Once the contractor, the City, and RH2 agree on startup data, the following steps will be implemented:

1. Install facility software components on the SCADA computers prior to testing.
2. RH2, the City, and the contractor will be on site at the WRF during testing.
3. Rerun the factory tests that were implemented during subtask 12.7 using existing facility instrumentation.
4. Test communications between the facility controllers and the HMI computer systems.
5. Test data points and control capabilities between the facility controllers.
6. RH2, the contractor, and the City will test control capabilities of the facility.

7. Add installation failures identified during startup to a punch list for the contractor to resolve. *It is understood that these failures may be resolved during startup, or may require additional time to resolve and cause testing to be delayed.*
8. RH2 and the City will approve the completion of a facility based on the original design and information developed and approved in subtasks 12.1 through 12.5. *Major changes to the system at the time of testing are not included in this Scope of Work.*

12.9 Prepare O&M Documentation – Prepare documentation material of the SCADA system for current and future operations and maintenance of the system. Prepare functional descriptions for the existing WRF processes. Document final commissioning report based on startup reports. Coordinate with the contractor to prepare O&M documentation identified in the project specifications. Supply control system documentation and software to the contractor for inclusion in the final O&M documents. Review control system O&M material with City staff. *This will consist of final drawings, software, software documentation, and control system operations documentation.*

12.10 Provide Training – Provide training for City staff at points throughout the duration of the project to augment staff understanding of the completed SCADA system.

- At the end of the factory testing, City staff will be invited to review the final operation of each facility control panel before it is installed in the field. *This is the first level of training that enables City staff to view hardware and software components before they are installed. This also enables the City to identify minor software or hardware issues that can be resolved before installation.*
- During installation, City staff may work with the contractor to test instrumentation wiring prior to startup to prevent delays during final testing. *This exercise will train City staff on the facility instrumentation and how it interacts with the new automatic control equipment.*
- During final startup and commissioning, City staff will be onsite to help with the testing identified in Subtask 12.8. *This will be the City's first experience using the system in an operating facility.*
- After final startup and commissioning, formal training will be provided at the WRF using preliminary O&M documentation.

Provide up to two (2) eight (8) hour formal on-site training classes at the City headquarters to familiarize City staff with aspects of the control system utilizing the O&M manual as a training aid. RH2 to coordinate with the City on scheduling this training session to accommodate City staff availability.

12.11 Provide Ongoing Support – Provide additional support after final commissioning training. *This support will consist of software support or additional facility training.* Provide additional control system support for a period of one (1) year after Final Acceptance of the constructed

improvements based on feedback from City staff regarding the operations of the facility. Provide additional training support for a period of one (1) year after Final Acceptance of the constructed improvements based on requests from City staff.

**Assumptions:**

- *RH2's Task 12 will provide total hours of work as identified in **Exhibit B** for software development, testing, and startup services to City staff as described to the City. City staff will review and approve all information defined in subtask 12.2 before PLC software development begins. City staff will review and approve all OI and HMI screen designs developed in subtasks 12.4 and 12.5. City staff will be responsible for final approval of design within a reasonable timeframe. RH2's Fee Estimate assumes a certain level of cooperation and timeliness from any third parties required for testing. All installation will be performed by others. If additional hours are needed to accomplish Task 12 due to events beyond RH2's control, RH2 will notify the City in advance of additional hours needed, and additional hours shall be mutually negotiated.*
- *This Scope of Work does not include HMI data point validation of remote LS facilities. It is assumed that the existing HMI data points for remote LS facilities are valid.*
- *RH2 is not responsible for site safety or directing others in their work.*

**Provided by the City:**

- All documentation related to the SCADA system.

**RH2 Deliverables:**

- Completed PLC information developed during subtask 12.3.
- Completed OI and HMI screen designs developed in subtasks 12.4 and 12.5.
- Factory testing reports completed during subtask 12.7.
- Final startup and commissioning reports completed during subtask 12.8.
- One (1) electronic copy of PLC and OI software and SCADA computer system software.
- One (1) electronic copy of the following items:
  - Project spreadsheet file that includes information about the software configuration, addressing, data point names, alarms, control loops, and operations documentation.
  - SCADA computers configuration information.
  - O&M material from the contractor as specified in contract documents.

**Project Schedule**

RH2 anticipates that SDC for the Major WRF Improvements will begin in July 2023 with a target completion date of August 2025 for the process and mechanical portions of the project and August 2026 for the completion of ongoing control systems integration support.

**EXHIBIT B****Fee Estimate****Amendment No. 3****City of Snoqualmie****Water Reclamation Facility Phase 3 Improvements****Services During Construction****May-23**

Description		Total Hours	Total Labor	Total Subconsultant	Total Expense	Total Cost
<b>Task 1</b>	<b>Project Management</b>	<b>116</b>	<b>\$ 28,778</b>	<b>\$ -</b>	<b>\$ 719</b>	<b>\$ 29,497</b>
1.1	Perform Project Management	116	\$ 28,778	\$ -	\$ 719	\$ 29,497
<b>Task 4</b>	<b>Management Reserve</b>	<b>-</b>	<b>\$ 45,000</b>	<b>\$ -</b>	<b>\$ 5,000</b>	<b>\$ 50,000</b>
4.1	Provide Additional Services as Requested	-	\$ 45,000	\$ -	\$ 5,000	\$ 50,000
<b>Task 11</b>	<b>Services During Construction for WRF Phase 3 Improvements</b>	<b>4531</b>	<b>\$ 888,683</b>	<b>\$ 39,841</b>	<b>\$ 51,309</b>	<b>\$ 979,833</b>
11.1	Prepare Conformed for Construction Documents	67	\$ 11,996	\$ -	\$ 3,796	\$ 15,792
11.2	Attend Pre-Construction Meeting	24	\$ 4,784	\$ -	\$ 216	\$ 5,000
11.3	Provide Construction Consultation and Document Review	879	\$ 180,202	\$ -	\$ 5,033	\$ 185,235
11.4	Provide Part-Time On-Site Construction Observation	2408	\$ 457,524	\$ 39,841	\$ 31,598	\$ 528,963
11.5	Provide Testing and Startup Observation	670	\$ 136,930	\$ -	\$ 4,943	\$ 141,873
11.6	Review Construction Record Drawings and Contractor-Provided O&M Manuals	162	\$ 31,176	\$ -	\$ 3,679	\$ 34,855
11.7	Final Observation and Project Closeout	145	\$ 29,603	\$ -	\$ 877	\$ 30,480
11.8	Prepare Facility O&M Manuals	176	\$ 36,468	\$ -	\$ 1,168	\$ 37,636
<b>Task 12</b>	<b>Control System Software Integration for WRF Phase 3 Improvements</b>	<b>1255</b>	<b>\$ 304,770</b>	<b>\$ -</b>	<b>\$ 8,995</b>	<b>\$ 313,765</b>
12.1	Project Team Conference Calls and Action Items	88	\$ 20,494	\$ -	\$ 512	\$ 21,006
12.2	Coordinate SCADA Development Workshops	114	\$ 26,130	\$ -	\$ 653	\$ 26,783
12.3	Develop PLC Software	172	\$ 41,606	\$ -	\$ 1,040	\$ 42,646
12.4	Develop OI Software	42	\$ 10,616	\$ -	\$ 265	\$ 10,881
12.5	Configure and Develop SCADA Computer Software	172	\$ 44,886	\$ -	\$ 1,122	\$ 46,008
12.6	Review and Integrate Prepackaged Sub Systems	61	\$ 14,936	\$ -	\$ 373	\$ 15,309
12.7	Attend Factory Testing	36	\$ 7,614	\$ -	\$ 256	\$ 7,870
12.8	Attend Startup and Commissioning	332	\$ 80,606	\$ -	\$ 3,325	\$ 83,931
12.9	Prepare O&M Documentation	86	\$ 19,936	\$ -	\$ 498	\$ 20,434
12.10	Provide Training	52	\$ 12,986	\$ -	\$ 325	\$ 13,311
12.11	Provide Ongoing Support	100	\$ 24,960	\$ -	\$ 624	\$ 25,584
<b>PROJECT TOTAL</b>		<b>5902</b>	<b>\$ 1,267,231</b>	<b>\$ 39,841</b>	<b>\$ 66,023</b>	<b>\$ 1,373,095</b>

<b>EXHIBIT C</b> <b>RH2 ENGINEERING, INC.</b> <b>2023 SCHEDULE OF RATES AND CHARGES</b>		
<b>RATE LIST</b>	<b>RATE</b>	<b>UNIT</b>
Professional I	\$161	\$/hr
Professional II	\$178	\$/hr
Professional III	\$198	\$/hr
Professional IV	\$217	\$/hr
Professional V	\$233	\$/hr
Professional VI	\$247	\$/hr
Professional VII	\$265	\$/hr
Professional VIII	\$278	\$/hr
Professional IX	\$278	\$/hr
Technician I	\$126	\$/hr
Technician II	\$137	\$/hr
Technician III	\$154	\$/hr
Technician IV	\$169	\$/hr
Technician V	\$184	\$/hr
Technician VI	\$203	\$/hr
Technician VII	\$220	\$/hr
Technician VIII	\$231	\$/hr
Administrative I	\$84	\$/hr
Administrative II	\$98	\$/hr
Administrative III	\$117	\$/hr
Administrative IV	\$137	\$/hr
Administrative V	\$158	\$/hr
CAD/GIS System	\$27.50	\$/hr
CAD Plots - Half Size	\$2.50	price per plot
CAD Plots - Full Size	\$10.00	price per plot
CAD Plots - Large	\$25.00	price per plot
Copies (bw) 8.5" X 11"	\$0.09	price per copy
Copies (bw) 8.5" X 14"	\$0.14	price per copy
Copies (bw) 11" X 17"	\$0.20	price per copy
Copies (color) 8.5" X 11"	\$0.90	price per copy
Copies (color) 8.5" X 14"	\$1.20	price per copy
Copies (color) 11" X 17"	\$2.00	price per copy
Technology Charge	2.50%	% of Direct Labor
Mileage	\$0.6550	price per mile (or Current IRS Rate)
Subconsultants	15%	Cost +
Outside Services	at cost	



## SEWER CAPITAL PROJECT OR PROGRAM

## WATER RECLAMATION FACILITY IMPROVEMENTS - PHASE 3

CIP Project ID: TBD  
 Department: Sewer  
 Project Status: Design  
 Project Location: 34190 SE Mill Pond Road  
 Project Contact: Jeff Hamlin

Previously Spent: \$532,217  
 Current Project Budget: \$15,262,217  
 Original Budget at CIP Inception: \$12,577,470  
 Years Project in CIP: 1  
 Contact Email: [jhamlin@snoqualmiewa.gov](mailto:jhamlin@snoqualmiewa.gov)

## Project Description:

This project will convert two existing oxidation ditches into plug flow reactors (i.e., activated sludge basins), upgrade the Kimball Creek Lift Station, replace and outfit one of the clarifiers with necessary components upgrades, and install a new grit removal system.

## Photo or Map:



## Community Impact:

The intent of this project is to increase the capacity of the biological treatment process for handling current and projected flow and loading conditions, reduce excessive flow cycling and spikes, replace drive units nearing the end of their expected service life, and replace a rapidly deteriorating grit removal system.

## Operating Impact:

This project is not expected to impact the operating budget.

## Budget:

Project Activities	% of Budg.	Total Activity Budget	Previously Spent	2023	2024	2025	2026	2027	2028	2029 or Beyond
Analysis	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	5%	\$ 767,217	\$ 532,217	\$ 235,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	65%	\$ 9,926,461	\$ -	\$ 1,749,342	\$ 7,245,647	\$ 931,472	\$ -	\$ -	\$ -	\$ -
Const. Manage	10%	\$ 1,488,969	\$ -	\$ 262,401	\$ 1,086,847	\$ 139,721	\$ -	\$ -	\$ -	\$ -
Contingency	13%	\$ 1,985,292	\$ -	\$ 349,868	\$ 1,449,129	\$ 186,294	\$ -	\$ -	\$ -	\$ -
Art	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Labor	4%	\$ 597,954	\$ -	\$ 120,921	\$ 408,094	\$ 68,939	\$ -	\$ -	\$ -	\$ -
Other	3%	\$ 496,323	\$ -	\$ 87,467	\$ 362,282	\$ 46,574	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>100%</b>	<b>\$ 15,262,217</b>	<b>\$ 532,217</b>	<b>\$ 2,805,000</b>	<b>\$ 10,552,000</b>	<b>\$ 1,373,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Operating		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

TOTAL PROJECT BUDGET: \$15,262,217

TOTAL OPERATING BUDGET: \$0

## Anticipated Funding Mix:

Source	Total Sources	Previously Allocated	2023	2024	2025	2026	2027	2028
Utility Fees ("Rates")	\$ 1,634,813	\$ 532,217	\$ -	\$ 1,102,596	\$ -	\$ -	\$ -	\$ -
Gen. Fac. Charges (GFC)	\$ 9,807,800	\$ -	\$ 2,018,032	\$ 6,801,976	\$ 987,792	\$ -	\$ -	\$ -
Contribution in Aid of Construction (CIAC)	\$ 3,819,604	\$ -	\$ 786,968	\$ 2,647,428	\$ 385,208	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>\$ 15,262,217</b>	<b>\$ 532,217</b>	<b>\$ 2,805,000</b>	<b>\$ 10,552,000</b>	<b>\$ 1,373,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## Fiscal

This project covers F1, F5, F8, and WW1 in the General Sewer Plan.

TOTAL FUNDING SOURCES: \$15,262,217

## Notes:

FUTURE FUNDING REQUIREMENTS: \$0



# BUSINESS OF THE CITY COUNCIL CITY OF SNOQUALMIE

AB23-064  
May 16, 2023  
Consent Agenda

Item 3.

## AGENDA BILL INFORMATION

<b>TITLE:</b>	AB23-064: Resolution No. XXXX Awarding a Public Works Contract to CPM Development Corporation DBA ICON Materials, Inc for the 2023 Overlay Project	<input type="checkbox"/> Discussion Only <input checked="" type="checkbox"/> Action Needed:
<b>PROPOSED ACTION:</b>	Adopt Resolution No. XXXX Awarding a Public Works Contract to CPM Development Corporation DBA ICON Materials, Inc for the 2023 Overlay Project	<input type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input checked="" type="checkbox"/> Resolution

<b>REVIEW:</b>	Department Director	Mike Chambless	5/8/2023
	Finance	Janna Walker	5/9/2023
	Legal	Anna Astrakhan	5/8/2022
	City Administrator	Mike Sauerwein	Click or tap to enter a date.

<b>DEPARTMENT:</b>	Parks & Public Works		
<b>STAFF:</b>	Hind Ahmed		
<b>COMMITTEE:</b>	Parks & Public Works	<b>COMMITTEE DATE:</b> May 16, 2023	
<b>MEMBERS:</b>	Ethan Benson	Bryan Holloway	Jo Johnson
<b>EXHIBITS:</b>	1. AB23-064x1a (Res. No. XXXX) 2. AB23-064x1b (Contract) 3. AB23-064x2 (Bid Tab) 4. AB23-064x3 (CIP) 5. AB23-064x4 (Paving Locations)		

<b>AMOUNT OF EXPENDITURE</b>	\$ 622,095
<b>AMOUNT BUDGETED</b>	\$ 1,165,000
<b>APPROPRIATION REQUESTED</b>	\$ 0

## SUMMARY

### SUMMARY STATEMENT

This Agenda Bill seeks approval to award a public works contract to CPM Development Corporation DBA ICON Materials, Inc. for the 2023 Street Overlay Project, and authorize the mayor to sign the contract. The 2023 Overlay Project includes grind and overlay of a portion of Tokul Rd, portion of Stone Quarry, SE Mountain Avenue, and a portion of Mill Pond Rd.

## BACKGROUND

The City of Snoqualmie's 2023-2028 Capital Improvement Plan (CIP) includes the street resurfacing Program, which rehabilitate City streets and alleys before they require extensive reconstruction.

This project is part of the street resurfacing program and includes a 2-inch grind and overlay of a portion of Tokul Road, Stone Quarry Road , all of SE Mountain Avenue and a portion of Mill Pond Road. Work will also include full depth repair sections on Mill Pond Rd.

Streets receiving treatment were selected based on their current Pavement Condition Index (PCI) as part of determined in City Pavement Management Plan.

The 2023 Overlay Project was advertised to contractors for bid on April 11<sup>th</sup>, 2023, and was closed on May 2<sup>nd</sup>, 2023. A total of five bids were received. The low bid came from CPM Development Corporation DBA ICON Materials Inc. with a total of \$622,095.

Therefore, Parks and Public Works requests that the City Council adopt Resolution No. \_\_\_\_, awarding a public works contract to CPM Development Corporation DBA ICON Materials, Inc. for the construction of the 2023 Overlay Project, and authorize the mayor to sign the construction contract attached as Exhibit b to the Resolution.

## BUDGET IMPACTS

Administration recommends approving a contract with CPM Development Corporation DBA ICON Materials, Inc. in the amount of \$622,095 to grind and overlay the streets described above as part of the Street Resurfacing Program. This program is incorporated in the 2023-2028 Capital Improvement Plan (CIP) (See Exhibit #4). The 2023-24 Budget appropriates \$1,165,000 for this and other similar work through the Street Resurfacing Program. Currently, nothing has been spent in the current biennium nor are there any outstanding contracts in the resurfacing program. With the addition of the CPM Development Corporation DBA ICON Materials, Inc. contract, the remaining Biennial Budget appropriation is \$542,905. Therefore, sufficient appropriation exists within the 2023-2024 Biennial Budget (Non-Utilities Capital Fund #310) to fund the contract.

### Street Resurfacing Program

	2023-2024 Biennial Budget	
<b>Beginning Budget</b>	\$	1,165,000
<b>Expenditures</b>	\$	-
<b>Outstanding Contract Value (Previously Approved)</b>	\$	-
<b>Current Available Budget</b>	\$	1,165,000
<b>Value of this Contract (AB23-064)</b>	\$	(622,095)
<b>Available Budget after AB23-064</b>	\$	542,905

## NEXT STEPS (FUTURE TASKS)

Following Council approval staff will work with the Mayor to execute the final contract agreement with CPM Development Corporation DBA ICON Materials, Inc. Construction of the 2023 Overlay project will then commence, and be completed by October 2023.

**RECOMMENDED ACTION**

Move to adopt Resolution No. XXXX Awarding a Public Works Contract to ICON Materials, Inc. for construction of the 2023 Overlay Project, and authorize the Mayor to sign.

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION OF THE CITY COUNCIL OF CITY OF SNOQUALMIE, WASHINGTON DETERMINING THE LOWEST RESPONSIBLE, RESPONSIVE BIDDER, AWARDING A PUBLIC WORKS CONTRACT TO AND AUTHORIZING EXECUTION OF A PUBLIC WORKS CONTRACT WITH CPM DEVELOPMENT CORPORATION DBA ICON MATERIALS FOR THE 2023 OVERLAY PROJECT.**

**WHEREAS**, pursuant to Ordinance No. 448 as codified in Snoqualmie Municipal Code Section 1.08.010, the City of Snoqualmie has adopted the classification of non-charter code city, retaining the mayor-council plan of government as provided for in Chapter 35A.12 RCW; and

**WHEREAS**, pursuant to RCW 35A.40.210, procedures for any public work or improvement for code cities shall be governed by RCW 35.23.352; and

**WHEREAS**, on April 11, 2023, the city advertised the 2023 Overlay Project (“the Project”) for bid; and

**WHEREAS**, the City received a total of five bids; and

**WHEREAS**, the bid of \$622,095.00 (including sales tax) from CPM Development Corporation DBA ICON Materials was the lowest responsive, responsible bid; and

**WHEREAS**, City staff has checked references and otherwise determined that CPM Development Corporation DBA ICON Materials meets the mandatory bidder responsibility criteria established under RCW 39.04.350 and 39.06.020, and the supplemental bidder responsibility criteria in Section 00 04 00 of the contract documents; and

**WHEREAS**, the Parks and Public Works Director and City Staff recommend award of this contract to CPM Development Corporation DBA ICON Materials as the lowest responsive, responsible bidder;

**NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE CITY COUNCIL  
OF THE CITY OF SNOQUALMIE AS FOLLOWS:**

Section 1. Determination of Lowest Responsive, Responsible Bidder. Based on the foregoing recitals, which are hereby incorporated as findings of fact, CPM Development Corporation DBA ICON Materials is the lowest, responsive, responsible bidder for the 2023 Overlay Project.

Section 2. Award of Public Works Contract. The contract for 2023 Overlay Project is hereby awarded to CPM Development Corporation DBA ICON Materials in accordance with its bid proposal.

Section 3. Authorization for Contract Execution. The Mayor is authorized to execute a contract with CPM Development Corporation DBA ICON Materials in substantially the form attached hereto as Exhibit A.

Passed, by the City Council of the City of Snoqualmie, Washington, this \_\_\_\_\_ day of \_\_\_\_\_, 2023.

\_\_\_\_\_  
Katherine Ross, Mayor

Attest:

\_\_\_\_\_  
Deana Dean, City Clerk

Approved as to form:

\_\_\_\_\_  
City Attorney

## Section 00 05 00

### AGREEMENT

#### [2023 OVERLAY PROJECT]

THIS AGREEMENT is made on this \_\_\_\_\_, 2023 between the City of Snoqualmie ("City"), a municipal corporation located in the State of Washington and CPM Development Corporation DBA ICON Materials, ("Contractor").

In consideration of the terms and conditions contained in this Contract and the requirements attached to it, the parties agree as follows:

1. The Contractor shall do all of the work and furnish all of the labor, materials, tools and equipment for the construction of the improvements and shall perform any changes in the work (the "Work"), all in full compliance with the contract documents entitled 2023 Overlay Project, which include this Agreement (Section 00 05 00); Contractor's executed Form of Bid and Bid Schedule (Section 00 03 00), executed Performance and Payment Bond (Section 00 04 20), executed Retainage Forms (Section 00 05 10); General Terms and Conditions (00 07 00), those portions of the Washington State Department of Transportation (WSDOT) Standard Specifications for Road, Bridge and Municipal Construction, 2023 edition specifically incorporated by reference and/or modified herein, Technical Provisions, Addenda 1, and any project drawings or plans.
2. The City hereby promises and agrees with the Contractor to employ, and does employ the Contractor to furnish the labor, materials, tools and equipment, and to do and cause to be done the above-described Work, and to complete and finish the same in accordance with the said contract documents and the terms and conditions herein contained, and hereby contracts to pay for the same, according to the said documents, including the schedule of estimated quantities, and unit and lump sum prices in the Form of Bid, the sum of \$ 622,095.00, subject to the actual quantity of Work performed, at the time and in the manner and upon the conditions provided for in this contract.
3. The Contractor hereby promises and agrees to diligently prosecute and obtain Substantial Completion of the Work within 25 working days (the "Contract Time"), and to obtain Physical Completion and Final Acceptance of the Work within the time and as specified in the Contract Documents. The Contractor agrees that Liquidated Damages shall be assessed in the amount of \$1,300 per day for any failure to complete the Work within the Contract Time, for any failure to meet a Contract Milestone, and for any failure to achieve Physical Completion and Final Acceptance within the time and as required in the Contract Documents.
4. The Contractor for himself, and for his agents, successors, assigns, subcontractors and/or employees, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.
5. The City hereby appoints and the Contractor hereby accepts the Parks & Public Works Director, as the City's representative for the purpose of administering the provisions of this Contract, including the City's right to receive and act on all reports and documents related to this Contract, to request and receive additional information from the Contractor.
6. This Contract contains terms and conditions agreed upon by the parties. The parties agree that there are no other understandings, oral or otherwise, regarding the subject matter of this Contract.

7. The Contractor agrees to comply with all applicable Federal, State, City or municipal standards for the licensing, certification, operation of facilities and programs, and accreditation and licensing of individuals.
8. The Contractor shall not assign or subcontract any portion of the work provided for under the terms of this Contract without obtaining prior written approval of the City. All terms and conditions of this Contract shall apply to any approved subcontract or assignment related to this Contract.
9. The parties intend that an independent Contractor-City relationship will be created by this Contract. The City is interested only in the results to be achieved, and the implementation of the work will lie solely with the Contractor. No agent, employee, servant, or representative of the Contractor shall be deemed to be an employee, agent, servant, or representative of the City for any purpose. Employees of the Contractor are not entitled to any of the benefits the City provides for City employees. The Contractor will be solely and entirely responsible for its acts and for the acts of its agents, employees, servants, subcontractors, or otherwise during the performance of this Contract. In the performance of the work herein contemplated, the Contractor is an independent Contractor with regard to the performance of the details of the work; however, the components of and the results of the work contemplated herein must meet the approval of the City and shall be subject to the general rights of inspection and review to secure the satisfactory completion thereof.
10. The Contractor agrees and covenants to indemnify, defend, and save harmless, the City and those persons who were, now are, or shall be duly elected or appointed officials or employees thereof, hereinafter referred to as the "City" against and from any loss, damage, costs, charge, expense, liability, claims, demands or judgments, of whatsoever kind or nature, whether to persons or to property, arising wholly or partially out of any act, action, neglect, omission, or default on the part of the Contractor, his agents, successors, assignees, subcontractors and/or employees, except only such injury or damage as shall have been caused by or resulted from the sole negligence of the City. In case any suit or cause of action shall be brought against the City on account of any act, action, neglect, omission, or default on the part of the Contractor, his agents, successors, assignees, subcontractors and/or employees the Contractor hereby agrees and covenants to assume the defense thereof and to pay any and all costs, charges, attorney's fees and other expenses and any and all judgments that may be incurred or obtained against the City. In the event the City is required to institute legal action and/or participate in the legal action to enforce this Indemnification and Hold Harmless Clause, the Contractor agrees to pay the City's legal fees, costs and disbursements incurred in establishing the right to indemnification. If the claim, suit, or action for injuries, death, or damages as provided for in the preceding paragraphs of this specification is caused by or results from the concurrent negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the indemnitor or the indemnitor's agents for employees the indemnity provisions provided for in the preceding paragraphs of this specification shall be valid and enforceable only to the extent of the indemnitor's negligence. The Contractor expressly waives, as respects the City only, all immunity and limitation on liability under any Industrial Insurance Act, including Title 51 RCW, or other workers compensation act, disability act, or other employees benefits of any act of any jurisdiction which would otherwise be applicable in the case of such a claim. BY INITIALING BELOW THE OWNER AND CONTRACTOR CERTIFY THE WAIVER OF IMMUNITY SPECIFIED BY THIS PROVISION WAS MUTUALLY NEGOTIATED.
11. This Contract has been and shall be construed as having been made and delivered within the State of Washington, and it is mutually understood and agreed by each party hereto that this Contract shall be governed by the laws of the State of Washington, both as to interpretation and performance. Any action in law, suit and equity or judicial proceedings for the enforcement of this contract or any provisions thereof, shall be instituted and maintained in the courts of competent jurisdiction located in King County, Washington.

12. The failure of the City to insist upon strict performance of any of the covenants and agreements of this Contract or to exercise any option herein conferred in any one or more instances shall not be construed to be a waiver or relinquishment of any such obligation, or any other covenants or agreements, but the same shall be and remain in full force and effect.
13. It is understood and agreed by the parties hereto that if any part of this agreement is determined to be illegal, the validity of the remaining portions shall be construed as if the agreement did not contain the particular illegal part.
14. No change or addition to this Contract shall be valid or binding upon either party unless such change or addition shall be in writing, executed by both parties.
15. The Contractor shall fully comply with all applicable state and federal employment and discrimination laws and regulations. IN WITNESS WHEREOF, the Contractor has executed this instrument, on the day and year first below written and the Mayor has caused this instrument to be executed by and in the name of the said City, the day and year first above written.

IN WITNESS WHEREOF, the Contractor has executed this instrument, on the day and year first below written and the Mayor has caused this instrument to be executed by and in the name of the said City, the day and year first above written.

CITY OF SNOQUALMIE ("CITY")

By \_\_\_\_\_

Typed Name: Katherine Ross \_\_\_\_\_

Its: Mayor \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_ [CONTRACTOR]

By \_\_\_\_\_

Typed Name \_\_\_\_\_

Its \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Date: \_\_\_\_\_

WA Contractor's License No. \_\_\_\_\_

				Engineer Estimate		ICON Materials		Watson Asphalt Paving		Lakeside Industries		Becker Blacktop LLC		Tucci & sons	
Item No.	Description	Unit	Quantity	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
1	Mobilization	LS	1	53,000.00	\$53,000	29,000.00	\$29,000	27,900.00	\$27,900	48,210.00	\$48,210	50,000.00	\$50,000	32,850.00	\$32,850
2	Unexpected Site Changes	EST	1	30,000.00	\$30,000	30,000.00	\$30,000	30,000.00	\$30,000	30,000.00	\$30,000	30,000.00	\$30,000	30,000.00	\$30,000
3	SPCC Plan	LS	1	2,000.00	\$2,000	230.00	\$230	250.00	\$250	250.00	\$250	1,000.00	\$1,000	250.00	\$250
4	Project Temporary Traffic Control	LS	1	25,000.00	\$25,000	37,000.00	\$37,000	37,800.00	\$37,800	37,500.00	\$37,500	20,000.00	\$20,000	58,000.00	\$58,000
5	Planing Bituminous Pavement	SY	23,000	7.00	\$161,000	3.77	\$86,710	3.60	\$82,800	3.85	\$88,550	7.00	\$161,000	6.00	\$138,000
6	HMA Cl. ½-inch PG 64-22	TON	3200	130.00	\$416,000	97.10	\$310,720	114.00	\$364,800	112.00	\$358,400	100.00	\$320,000	127.00	\$406,400
7	Crushed Surfacing Top Course	TON	75	55.00	\$4,125	74.00	\$5,550	75.00	\$5,625	45.00	\$3,375	100.00	\$7,500	50.00	\$3,750
8	Pavement Repair Excavation Incl. Haul	CY	60	120.00	\$7,200	166.00	\$9,960	70.00	\$4,200	200.00	\$12,000	250.00	\$15,000	500.00	\$30,000
10	Plastic Stop Line	LF	12	12.00	\$144	114.00	\$1,368	15.00	\$180	115.00	\$1,380	100.00	\$1,200	118.00	\$1,416
11	Painted Edge Line - White	LF	12000	2.00	\$24,000	0.31	\$3,720	0.60	\$7,200	0.30	\$3,600	1.00	\$12,000	0.32	\$3,840
12	Painted Centerline (Solid, Double Yellow)	LF	6000	3.00	\$18,000	0.31	\$1,860	0.80	\$4,800	0.30	\$1,800	0.50	\$3,000	0.32	\$1,920
13	Plastic Railroad Crossing Symbol	EA	1	2,000.00	\$2,000	1,950.00	\$1,950	650.00	\$650	1,950.00	\$1,950	2,500.00	\$2,500	2,000.00	\$2,000
14	Crushed Surfacing Base Course	TON	10	55.00	\$550	95.50	\$955	75.00	\$750	50.00	\$500	200.00	\$2,000	50.00	\$500
Subtotal Bid Price				\$743,019.00		\$519,023.00		\$566,955.00		\$587,515.00		\$625,200.00		\$708,926.00	

Additive Bid Items (Mountain Ave)				Engineer Estimate		ICON Materials		Watson Asphalt Paving		Lakeside Industries		Becker Blacktop LLC		Tucci & sons	
Item No.	Description	Unit	Quantity	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount	Unit Price	Total Amount
1	Unexpected Site Changes	EST	1	10,000.00	\$10,000	10,000.00	\$10,000	10,000.00	\$10,000	10,000.00	\$10,000	10,000.00	\$10,000	10,000.00	\$10,000
2	Planing Bituminous Pavement	SY	3000	7.00	\$21,000	6.77	\$20,310	4.20	\$12,600	6.00	\$18,000	5.00	\$15,000	8.00	\$24,000
3	HMA Cl. ½-inch PG 64-22	TON	500	130.00	\$65,000	110.00	\$55,000	120.00	\$60,000	120.00	\$60,000	50.00	\$25,000	146.00	\$73,000
4	Plastic Crosswalk Line	SF	250	10.00	\$2,500	8.00	\$2,000	7.00	\$1,750	8.00	\$2,000	10.00	\$2,500	8.25	\$2,063
5	Plastic Stop Line	LF	12	12.00	\$144	13.50	\$162	15.00	\$180	13.75	\$165	100.00	\$1,200	14.00	\$168
6	Temporary Traffic Control	LS	1	10,000.00	\$10,000	9,900.00	\$9,900	6,700.00	\$6,700	9,800.00	\$9,800	10,000.00	\$10,000	15,000.00	\$15,000
7	Mobilization	LS	1	7,000.00	\$7,000	5,700.00	\$5,700	4,000.00	\$4,000	10,000.00	\$10,000	10,000.00	\$10,000	9,000.00	\$9,000
				Subtotal Bid Price		\$115,644.00		\$103,072.00		\$95,230.00		\$109,965		\$73,700.00	
				Total Bid Price		\$858,663									
				Contingency 10%		\$85,866.30									
Estimated Project cost				\$944,529.30		\$622,095.00		\$662,185.00		\$697,480.00		\$698,900.00		\$842,156.50	



## TRANSPORTATION CAPITAL PROJECT OR PROGRAM

## STREET RESURFACING PROGRAM

CIP Project ID: TRN20001CIP

Department: Transportation

Project Status: Other

Project Location: Multiple Locations

Project Contact: Michael Chambliss

Current Program Budget: \$3,527,000

Years Project in CIP: Ongoing Capital Program

Contact Email: mchambliss@snoqualmiewa.gov

## Description:

Streets and alleys deteriorate as they age. Consequently, the goal of this program is to rehabilitate City streets and alleys in a comprehensive and systematic way before they require extensive reconstruction. The City of Snoqualmie intends to resurface streets based on their pavement condition score and use the most appropriate street treatment (slurry seal, chip seal, microsurfacing, asphalt overlay, etc.) in any given situation.

## Photo or Map:



## Community Impact:

The intent of this program is to preserve the condition of streets and alleys consistent with City of Snoqualmie standards. The ongoing resurfacing of streets will help to maintain even traffic circulation and reduce the long-term cost of major reconstruction by extending the life of the City's transportation system.

## Operating Impact:

Staff believes that the ongoing provision of this program may reduce the amount of supplies needed annually to pothole patch and crack seal streets.

## Budget:

Project Activities	% of Budg.	Total Activity Budget	2023	2024	2025	2026	2027	2028	2029 or Beyond
Analysis	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	This capital program is anticipated to continue indefinitely into the future.
Design	4%	\$ 150,740	\$ 27,852	\$ 22,974	\$ 24,523	\$ 24,901	\$ 24,677	\$ 25,814	
Construction	85%	\$ 3,014,806	\$ 557,041	\$ 459,480	\$ 490,451	\$ 498,011	\$ 493,548	\$ 516,275	
Const. Manage	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Contingency	4%	\$ 150,740	\$ 27,852	\$ 22,974	\$ 24,523	\$ 24,901	\$ 24,677	\$ 25,814	
Art	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Labor	6%	\$ 210,713	\$ 22,755	\$ 24,072	\$ 28,504	\$ 35,188	\$ 55,097	\$ 45,097	
Other	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
<b>TOTAL</b>	<b>100%</b>	<b>\$ 3,527,000</b>	<b>\$ 635,500</b>	<b>\$ 529,500</b>	<b>\$ 568,000</b>	<b>\$ 583,000</b>	<b>\$ 598,000</b>	<b>\$ 613,000</b>	
Operating		\$ (18,500)	\$ (2,000)	\$ (2,200)	\$ (2,500)	\$ (3,000)	\$ (3,800)	\$ (5,000)	

TOTAL PROJECT BUDGET: \$3,527,000

TOTAL OPERATING BUDGET: -\$18,500

## Anticipated Funding Mix:

Source	Total Sources	2023	2024	2025	2026	2027	2028
Util. & Trans. Taxes	\$ 3,443,000	\$ 635,500	\$ 445,500	\$ 568,000	\$ 583,000	\$ 598,000	\$ 613,000
Sales Tax	\$ 84,000	\$ -	\$ 84,000	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>\$ 3,527,000</b>	<b>\$ 635,500</b>	<b>\$ 529,500</b>	<b>\$ 568,000</b>	<b>\$ 583,000</b>	<b>\$ 598,000</b>	<b>\$ 613,000</b>

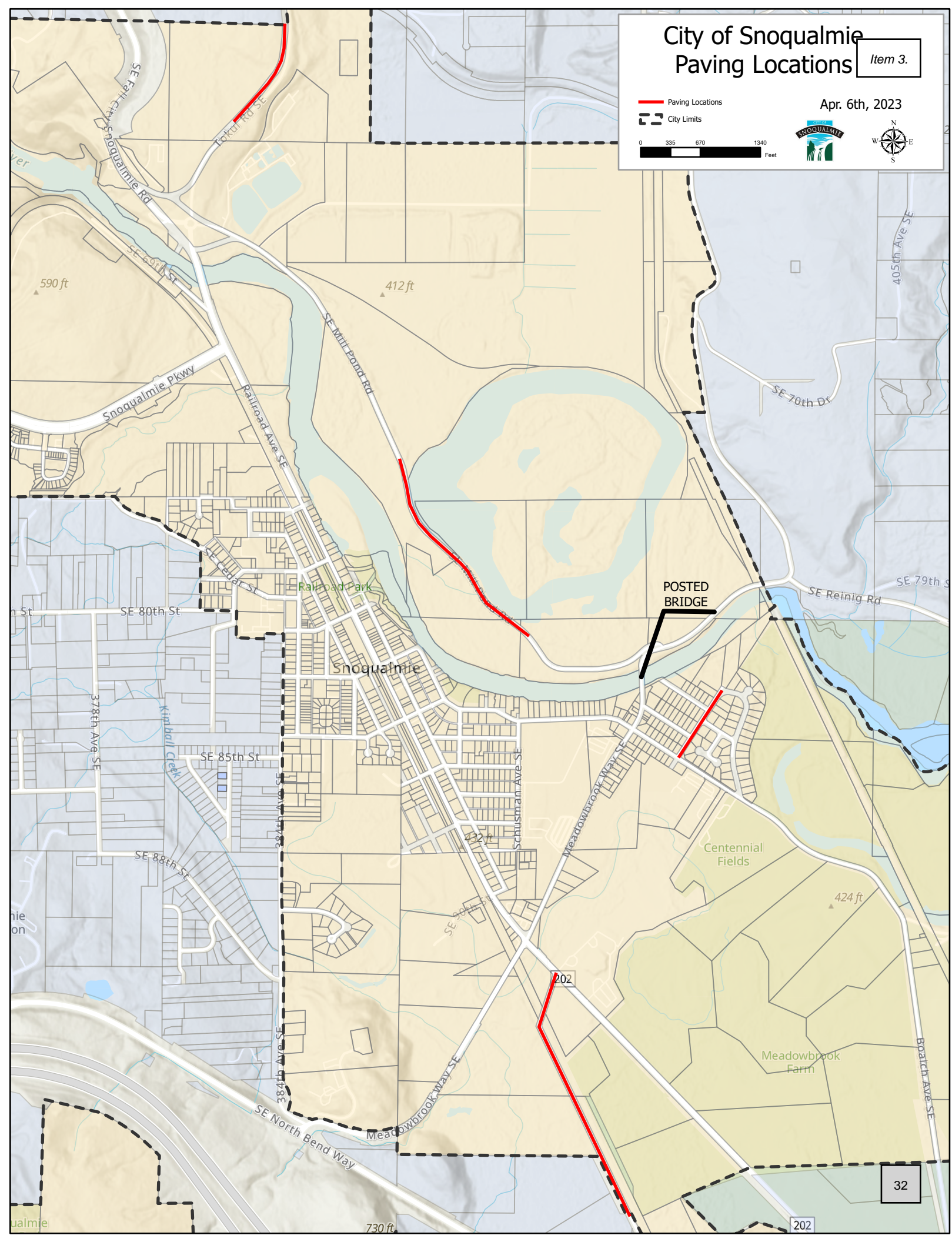
## Fiscal

TOTAL FUNDING SOURCES: \$3,527,000

## Notes:

FUTURE FUNDING REQUIREMENTS: \$0

Item 3.

 City Limits



# BUSINESS OF THE CITY COUNCIL CITY OF SNOQUALMIE

AB23-065  
May 16, 2023  
Choose an item.

Item 4.

## AGENDA BILL INFORMATION

<b>TITLE:</b>	AB23-065: Resolution No. XXXX Awarding a Public Works Contract to CPM Development Corporation DBA ICON Materials for the Snoqualmie Parkway Rehabilitation Project	<input type="checkbox"/> Discussion Only <input checked="" type="checkbox"/> Action Needed:
<b>PROPOSED ACTION:</b>	Adopt Resolution No. XXXX Awarding a Public Works Contract to CPM Development Corporation DBA ICON Materials for the Snoqualmie Parkway Rehabilitation Project	<input type="checkbox"/> Motion <input type="checkbox"/> Ordinance <input checked="" type="checkbox"/> Resolution

<b>REVIEW:</b>	Department Director	Mike Chambless	5/8/2023
	Finance	Janna Walker	5/9/2023
	Legal	Anna Astrakhan	5/8/2022
	City Administrator	Mike Sauerwein	Click or tap to enter a date.

<b>DEPARTMENT:</b>	Parks & Public Works		
<b>STAFF:</b>	Hind Ahmed		
<b>COMMITTEE:</b>	Parks & Public Works	<b>COMMITTEE DATE:</b> May 16, 2023	
<b>MEMBERS:</b>	Ethan Benson	Bryan Holloway	Jo Johnson
<b>EXHIBITS:</b>	1. AB23-065x1a (Res. No. XXXX) 2. AB23-065x1b (Contract) 3. AB23-065x2 (Bid Tab) 4. AB23-065x3 (CIP)		

<b>AMOUNT OF EXPENDITURE</b>	\$ 3,744,494
<b>AMOUNT BUDGETED</b>	\$ 6,400,000
<b>APPROPRIATION REQUESTED</b>	\$ 0

## SUMMARY

### SUMMARY STATEMENT

This Agenda Bill seeks approval to award a public works contract to CPM Development Corporation DBA ICON Materials for the Snoqualmie Parkway Rehabilitation Project, and authorize the mayor to sign the contract.

### BACKGROUND

The City of Snoqualmie's 2023-2028 Capital Improvement Plan (CIP) includes the Snoqualmie Parkway Rehabilitation Project. The intent of this project is to rehabilitate the principal arterial connecting the

historic downtown to Snoqualmie Ridge, two important state highways (SR 18, SR 202), and one interstate (I-90).

The Snoqualmie parkway Rehabilitation project makes improvements to Snoqualmie Parkway from SE 99th St to SR 202 (Railroad Ave SE). Improvements include grind and overlay pavement rehabilitation, loop replacements, ADA improvements including ramps and pedestrian push buttons at signalized intersections, channelization; and other related improvements all while keeping Snoqualmie Parkway open and passable to traffic.

The city received an appropriation of \$5 Million from the State legislature under the Move Ahead Washington (MAW) Capital Projects Program to pay a substantial portion of the project.

The Snoqualmie Parkway Rehabilitation Project was advertised to contractors for bid on April 11<sup>th</sup>, 2023, and was closed on May 2<sup>nd</sup>, 2023. A total of six bids were received. The low bid came from CPM Development Corporation DBA ICON Materials with a total of \$3,744,493.70.

Therefore, Parks and Public Works requests that the City Council adopt a resolution awarding a public works contract to CPM Development Corporation DBA ICON Materials, Inc. for the construction of the Snoqualmie Parkway Rehabilitation Project, and authorize the mayor to sign the construction contract attached as Exhibit b to the Resolution.

## BUDGET IMPACTS

Administration recommends approving a contract with CPM Development Corporation DBA ICON Materials in the amount of \$3,744,494 for construction of the Snoqualmie Parkway Rehabilitation Project. The City included this project in the 2023-2028 Capital Improvement Plan (CIP) (see Exhibit #4) and into the 2023-2024 Biennial Budget with a budget of \$6,400,000. When accounting for the value of this contract, current year expenditures, and the outstanding value of previously approved contracts, the City has a remaining project budget of \$2,161,009 for the 2023-24 Biennium (please see the table below or on the next page). Therefore, sufficient appropriation exists within the 2023-2024 Biennial Budget to fund the contract.

### Snoqualmie Parkway Rehabilitation

	2023-2024 Biennial Budget	
<b>Beginning Budget</b>	\$	6,400,000
<b>Expenditures</b>	\$	(99,950)
<b>Outstanding Contract Value</b> <i>(Previously Approved)</i>	\$	(394,548)
<b>Current Available Budget</b>	\$	5,905,503
<b>Value of this Contract</b> <i>(AB23-065)</i>	\$	(3,744,494)
<b>Available Budget after AB23-065</b>	\$	2,161,009

## NEXT STEPS (FUTURE TASKS)

Following Council approval staff will work with the Mayor to execute the final contract agreement with CPM Development Corporation DBA ICON Materials, Construction of the Snoqualmie Parkway Rehabilitation project is expected to begin in July 2023 and be completed by end of 2023.

## RECOMMENDED ACTION

Move to adopt Resolution No. XXXX Awarding a Public Works Contract to CPM Development Corporation DBA ICON Materials. for construction of the Snoqualmie Parkway Rehabilitation Project and authorize the Mayor to sign.

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION OF THE CITY COUNCIL OF CITY OF SNOQUALMIE, WASHINGTON DETERMINING THE LOWEST RESPONSIBLE, RESPONSIVE BIDDER, AWARDING A PUBLIC WORKS CONTRACT TO AND AUTHORIZING EXECUTION OF A PUBLIC WORKS CONTRACT WITH CPM DEVELOPMENT CORPORATION DBA ICON MATERIALS. FOR THE SNOQUALMIE PARKWAY REHABILITATION PROJECT.**

**WHEREAS**, pursuant to Ordinance No. 448 as codified in Snoqualmie Municipal Code Section 1.08.010, the City of Snoqualmie has adopted the classification of non-charter code city, retaining the mayor-council plan of government as provided for in Chapter 35A.12 RCW; and

**WHEREAS**, pursuant to RCW 35A.40.210, procedures for any public work or improvement for code cities shall be governed by RCW 35.23.352; and

**WHEREAS**, on April 11, 2023, the City advertised the Snoqualmie Parkway Rehabilitation Project (“the Project”) for bid; and

**WHEREAS**, the City received a total of six bids; and

**WHEREAS**, the bid of \$3,744,493.7 (including sales tax) from CPM Development Corporation DBA ICON Materials. was the lowest responsive, responsible bid; and

**WHEREAS**, City staff has checked references and otherwise determined that CPM Development Corporation DBA ICON Materials meets the mandatory bidder responsibility criteria established under RCW 39.04.350 and 39.06.020, and the supplemental bidder responsibility criteria in Section 00 04 00 of the contract documents; and

**WHEREAS**, the Parks and Public Works Director and City Staff recommend award of this contract to CPM Development Corporation DBA ICON Materials. as the lowest responsive, responsible bidder;

**NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE CITY COUNCIL  
OF THE CITY OF SNOQUALMIE AS FOLLOWS:**

Section 1. Determination of Lowest Responsive, Responsible Bidder. Based on the foregoing recitals, which are hereby incorporated as findings of fact, CPM Development Corporation DBA ICON Materials. is the lowest, responsive, responsible bidder for the Snoqualmie Parkway Rehabilitation Project.

Section 2. Award of Public Works Contract. The contract for Snoqualmie Parkway Rehabilitation Project is hereby awarded to CPM Development Corporation DBA ICON Materials in accordance with its bid proposal.

Section 3. Authorization for Contract Execution. The Mayor is authorized to execute a contract with CPM Development Corporation DBA ICON Materials. in substantially the form attached hereto as Exhibit A.

Passed, by the City Council of the City of Snoqualmie, Washington, this \_\_\_\_ day of \_\_\_\_\_, 2023.

\_\_\_\_\_  
Katherine Ross, Mayor

Attest:

\_\_\_\_\_  
Deana Dean, City Clerk

Approved as to form:

\_\_\_\_\_  
, City Attorney

## Section 00 05 00

### AGREEMENT

#### Snoqualmie Parkway Rehabilitation Project

THIS AGREEMENT is made on this \_\_\_\_\_, 2023 between the City of Snoqualmie ("City"), a municipal corporation located in the State of Washington and CPM Development Corporation DBA ICON Materials, ("Contractor").

In consideration of the terms and conditions contained in this Contract and the requirements attached to it, the parties agree as follows:

1. The Contractor shall do all of the work and furnish all of the labor, materials, tools and equipment for the construction of the improvements and shall perform any changes in the work (the "Work"), all in full compliance with the contract documents entitled Snoqualmie Parkway Rehabilitation Project, which include this Agreement (Section 00 05 00); Contractor's executed Form of Bid and Bid Schedule (Section 00 03 00), executed Performance and Payment Bond (Section 00 04 20), executed Retainage Forms (Section 00 05 10); General Terms and Conditions (00 07 00), those portions of the Washington State Department of Transportation (WSDOT) Standard Specifications for Road, Bridge and Municipal Construction, 2020 edition specifically incorporated by reference and/or modified herein, Technical Provisions, Appendices A-C, Addenda 1-3, and any project drawings or plans.
2. The City hereby promises and agrees with the Contractor to employ, and does employ the Contractor to furnish the labor, materials, tools and equipment, and to do and cause to be done the above-described Work, and to complete and finish the same in accordance with the said contract documents and the terms and conditions herein contained, and hereby contracts to pay for the same, according to the said documents, including the schedule of estimated quantities, and unit and lump sum prices in the Form of Bid, the sum of \$ 3,744,493.7, subject to the actual quantity of Work performed, at the time and in the manner and upon the conditions provided for in this contract.
3. The Contractor hereby promises and agrees to diligently prosecute and obtain Substantial Completion of the Work within 75 working days (the "Contract Time"), and to obtain Physical Completion and Final Acceptance of the Work within the time and as specified in the Contract Documents. The Contractor agrees that Liquidated Damages shall be assessed in the amount determined per working day per SP 1-08.9 for any failure to complete the Work within the Contract Time, for any failure to meet a Contract Milestone, and for any failure to achieve Physical Completion and Final Acceptance within the time and as required in the Contract Documents.
4. The Contractor for himself, and for his agents, successors, assigns, subcontractors and/or employees, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.
5. The City hereby appoints and the Contractor hereby accepts the Parks & Public Works Director, as the City's representative for the purpose of administering the provisions of this Contract, including the City's right to receive and act on all reports and documents related to this Contract, to request and receive additional information from the Contractor.

6. This Contract contains terms and conditions agreed upon by the parties. The parties agree that there are no other understandings, oral or otherwise, regarding the subject matter of this Contract.
7. The Contractor agrees to comply with all applicable Federal, State, City or municipal standards for the licensing, certification, operation of facilities and programs, and accreditation and licensing of individuals.
8. The Contractor shall not assign or subcontract any portion of the work provided for under the terms of this Contract without obtaining prior written approval of the City. All terms and conditions of this Contract shall apply to any approved subcontract or assignment related to this Contract.
9. The parties intend that an independent Contractor-City relationship will be created by this Contract. The City is interested only in the results to be achieved, and the implementation of the work will lie solely with the Contractor. No agent, employee, servant, or representative of the Contractor shall be deemed to be an employee, agent, servant, or representative of the City for any purpose. Employees of the Contractor are not entitled to any of the benefits the City provides for City employees. The Contractor will be solely and entirely responsible for its acts and for the acts of its agents, employees, servants, subcontractors, or otherwise during the performance of this Contract. In the performance of the work herein contemplated, the Contractor is an independent Contractor with regard to the performance of the details of the work; however, the components of and the results of the work contemplated herein must meet the approval of the City and shall be subject to the general rights of inspection and review to secure the satisfactory completion thereof.
10. The Contractor agrees and covenants to indemnify, defend, and save harmless, the City and those persons who were, now are, or shall be duly elected or appointed officials or employees thereof, hereinafter referred to as the "City" against and from any loss, damage, costs, charge, expense, liability, claims, demands or judgments, of whatsoever kind or nature, whether to persons or to property, arising wholly or partially out of any act, action, neglect, omission, or default on the part of the Contractor, his agents, successors, assignees, subcontractors and/or employees, except only such injury or damage as shall have been caused by or resulted from the sole negligence of the City. In case any suit or cause of action shall be brought against the City on account of any act, action, neglect, omission, or default on the part of the Contractor, his agents, successors, assignees, subcontractors and/or employees the Contractor hereby agrees and covenants to assume the defense thereof and to pay any and all costs, charges, attorney's fees and other expenses and any and all judgments that may be incurred or obtained against the City. In the event the City is required to institute legal action and/or participate in the legal action to enforce this Indemnification and Hold Harmless Clause, the Contractor agrees to pay the City's legal fees, costs and disbursements incurred in establishing the right to indemnification. If the claim, suit, or action for injuries, death, or damages as provided for in the preceding paragraphs of this specification is caused by or results from the concurrent negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the indemnitor or the indemnitor's agents for employees the indemnity provisions provided for in the preceding paragraphs of this specification shall be valid and enforceable only to the extent of the indemnitor's negligence. The Contractor expressly waives, as respects the City only, all immunity and limitation on liability under any Industrial Insurance Act, including Title 51 RCW, or other workers compensation act, disability act, or other employees benefits of any act of any jurisdiction which would otherwise be applicable in the case of such a claim. BY INITIALING BELOW THE OWNER AND CONTRACTOR CERTIFY THE WAIVER OF IMMUNITY SPECIFIED BY THIS PROVISION WAS MUTUALLY NEGOTIATED.

11. This Contract has been and shall be construed as having been made and delivered within the State of Washington, and it is mutually understood and agreed by each party hereto that this Contract shall be governed by the laws of the State of Washington, both as to interpretation and performance. Any action in law, suit and equity or judicial proceedings for the enforcement of this contract or any provisions thereof, shall be instituted and maintained in the courts of competent jurisdiction located in King County, Washington.
12. The failure of the City to insist upon strict performance of any of the covenants and agreements of this Contract or to exercise any option herein conferred in any one or more instances shall not be construed to be a waiver or relinquishment of any such obligation, or any other covenants or agreements, but the same shall be and remain in full force and effect.
13. It is understood and agreed by the parties hereto that if any part of this agreement is determined to be illegal, the validity of the remaining portions shall be construed as if the agreement did not contain the particular illegal part.
14. No change or addition to this Contract shall be valid or binding upon either party unless such change or addition shall be in writing, executed by both parties.
15. The Contractor shall fully comply with all applicable state and federal employment and discrimination laws and regulations. IN WITNESS WHEREOF, the Contractor has executed this instrument, on the day and year first below written and the Mayor has caused this instrument to be executed by and in the name of the said City, the day and year first above written.

IN WITNESS WHEREOF, the Contractor has executed this instrument, on the day and year first below written and the Mayor has caused this instrument to be executed by and in the name of the said City, the day and year first above written.

CITY OF SNOQUALMIE ("CITY")

By \_\_\_\_\_

Typed Name: Matthew Larson \_\_\_\_\_

Its: Mayor \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_ [CONTRACTOR]

By \_\_\_\_\_

Typed Name \_\_\_\_\_

Its \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Date: \_\_\_\_\_

WA Contractor's License No. \_\_\_\_\_

Snoqualmie Parkway Rehabilitation Project  
BID TABULATION  
Bid Opening Date May 2, 2023

					Engineer's Estimate		CPM Development Corporation DBE ICON Materials		Lakeside Industries		Watson Asphalt		Tucci & Sons		Active Construction		Northwest Cascade	
No.	Spec No.	Description	Quantity	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
BID SCHEDULE A: ROADWAY IMPROVEMENTS																		
1	1-04	Minor Change	1	EST	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
2	1-05	Roadway Surveying	1	LS	\$ 56,000.00	\$ 56,000.00	\$ 8,337.00	\$ 8,337.00	\$ 4,000.00	\$ 4,000.00	\$ 8,000.00	\$ 8,000.00	\$ 18,000.00	\$ 18,000.00	\$ 11,500.00	\$ 11,500.00	\$ 8,500.50	\$ 8,500.50
3	1-05	ADA Features Surveying	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 10,425.00	\$ 10,425.00	\$ 9,000.00	\$ 9,000.00	\$ 10,000.00	\$ 10,000.00	\$ 3,500.00	\$ 3,500.00	\$ 10,500.00	\$ 10,500.00	\$ 10,500.00	\$ 10,500.00
4	1-05	Record Drawings (Minimum Bid \$2,500)	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 2,625.00	\$ 2,625.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00
5	1-07	SPCC Plan	1	LS	\$ 1,000.00	\$ 1,000.00	\$ 285.00	\$ 285.00	\$ 250.00	\$ 250.00	\$ 500.00	\$ 500.00	\$ 250.00	\$ 250.00	\$ 150.00	\$ 150.00	\$ 500.00	\$ 500.00
6	1-08	Type B Progress Schedule (Minimum Bid \$1,500)	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
7	1-09	Mobilization	1	LS	\$ 219,000.00	\$ 219,000.00	\$ 195,450.00	\$ 195,450.00	\$ 140,200.00	\$ 140,200.00	\$ 220,000.00	\$ 220,000.00	\$ 234,500.00	\$ 234,500.00	\$ 260,496.00	\$ 260,496.00	\$ 360,000.00	\$ 360,000.00
8	1-10	Project Temporary Traffic Control	1	LS	\$ 252,000.00	\$ 252,000.00	\$ 298,300.00	\$ 298,300.00	\$ 220,000.00	\$ 220,000.00	\$ 289,000.00	\$ 289,000.00	\$ 250,000.00	\$ 250,000.00	\$ 150,000.00	\$ 150,000.00	\$ 215,000.00	\$ 215,000.00
9	1-10	Pedestrian Traffic Control	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 67,300.00	\$ 67,300.00	\$ 30,000.00	\$ 30,000.00	\$ 10,000.00	\$ 10,000.00	\$ 1,500.00	\$ 1,500.00	\$ 6,200.00	\$ 6,200.00	\$ 3,600.00	\$ 3,600.00
10	1-10	Portable Changeable Message Sign	4104	HR	\$ 5.00	\$ 20,520.00	\$ 3.25	\$ 13,338.00	\$ 5.50	\$ 22,572.00	\$ 3.00	\$ 12,312.00	\$ 5.00	\$ 20,520.00	\$ 5.50	\$ 22,572.00	\$ 4.00	\$ 16,416.00
11	1-10	Contractor Provided Uniformed Police Officer	220	HR	\$ 200.00	\$ 44,000.00	\$ 155.00	\$ 34,100.00	\$ 135.00	\$ 29,700.00	\$ 150.00	\$ 33,000.00	\$ 160.00	\$ 35,200.00	\$ 140.00	\$ 30,800.00	\$ 220.00	\$ 48,400.00
12	2-02	Asphalt Pavement Removal Incl. Haul	170	SY	\$ 25.00	\$ 4,250.00	\$ 32.00	\$ 5,440.00	\$ 90.00	\$ 15,300.00	\$ 77.00	\$ 13,090.00	\$ 12.00	\$ 2,040.00	\$ 20.50	\$ 3,485.00	\$ 44.00	\$ 7,480.00
13	2-02	Cement Conc. Removal Incl. Haul	920	SY	\$ 40.00	\$ 36,800.00	\$ 55.00	\$ 50,800.00	\$ 72.00	\$ 66,240.00	\$ 87.00	\$ 80,040.00	\$ 12.00	\$ 11,040.00	\$ 15.00	\$ 13,800.00	\$ 14.00	\$ 12,880.00
14	2-02	Cement Conc. Curb Removal Incl. Haul	782	LF	\$ 20.00	\$ 15,640.00	\$ 26.00	\$ 20,332.00	\$ 29.00	\$ 22,678.00	\$ 26.00	\$ 20,332.00	\$ 12.00	\$ 9,384.00	\$ 4.00	\$ 3,128.00	\$ 8.00	\$ 6,256.00
15	2-02	Removal of Structure and Obstruction	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 9,200.00	\$ 9,200.00	\$ 9,000.00	\$ 9,000.00	\$ 11,000.00	\$ 11,000.00	\$ 20,000.00	\$ 20,000.00	\$ 13,000.00	\$ 13,000.00	\$ 9,500.00	\$ 9,500.00
16	2-03	Unsuitable Foundation Excavation, Incl. Haul	10	CY	\$ 200.00	\$ 2,000.00	\$ 155.00	\$ 1,550.00	\$ 250.00	\$ 2,500.00	\$ 99.00	\$ 990.00	\$ 110.00	\$ 1,100.00	\$ 112.00	\$ 1,120.00	\$ 150.00	\$ 1,500.00
17	4-04	Crushed Surfacing Top Course	200	TON	\$ 65.00	\$ 13,000.00	\$ 55.00	\$ 11,000.00	\$ 45.00	\$ 9,000.00	\$ 88.00	\$ 17,600.00	\$ 40.00	\$ 8,000.00	\$ 52.00	\$ 10,400.00	\$ 66.00	\$ 13,200.00
18	5-02	Fog Seal	5010	SY	\$ 8.00	\$ 40,080.00	\$ 1.20	\$ 6,012.00	\$ 2.30	\$ 11,523.00	\$ 2.00	\$ 10,020.00	\$ 0.75	\$ 3,757.50	\$ 6.50	\$ 32,585.00	\$ 2.50	\$ 12,525.00
19	5-03	Crack Sealing	1	EST	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
20	5-04	HMA Cl. 1/2" PG 58H-22	18050	TON	\$ 110.00	\$ 1,985,500.00	\$ 93.50	\$ 1,687,675.00	\$ 110.00	\$ 1,985,500.00	\$ 106.00	\$ 1,913,300.00	\$ 101.00	\$ 1,823,050.00	\$ 118.00	\$ 2,129,900.00	\$ 131.00	\$ 2,364,550.00
21	5-04	HMA for Walkway Cl. 1/2" PG 58H-22	17	TON	\$ 200.00	\$ 3,400.00	\$ 275.00	\$ 4,675.00	\$ 250.00	\$ 4,250.00	\$ 400.00	\$ 6,800.00	\$ 250.00	\$ 4,250.00	\$ 265.00	\$ 4,505.00	\$ 328.00	\$ 5,576.00
22	5-04	HMA for Pavement Repair Cl. 1/2" PG 58H-22	90	TON	\$ 200.00	\$ 18,000.00	\$ 155.00	\$ 13,950.00	\$ 230.00	\$ 20,700.00	\$ 163.00	\$ 14,670.00	\$ 250.00	\$ 22,500.00	\$ 263.00	\$ 23,670.00	\$ 300.00	\$ 27,000.00
23	5-04	Pavement Repair Excavation Incl. Haul	170	CY	\$ 120.00	\$ 20,400.00	\$ 80.00	\$ 13,600.00	\$ 70.00	\$ 11,900.00	\$ 45.00	\$ 7,650.00	\$ 133.00	\$ 22,610.00	\$ 123.00	\$ 20,910.00	\$ 62.00	\$ 10,540.00
24	5-04	Planing Bituminous Pavement	105320	SY	\$ 4.00	\$ 421,280.00	\$ 5.00	\$ 526,600.00	\$ 4.40	\$ 463,408.00	\$ 4.20	\$ 442,344.00	\$ 6.00	\$ 631,920.00	\$ 6.50	\$ 684,580.00	\$ 6.75	\$ 710,910.00
25	5-04	Asphalt Cost Price Adjustment	1	CALC	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
26	7-05	Protect Utility Manhole	6	EA	\$ 1,500.00	\$ 9,000.00	\$ 700.00	\$ 4,200.00	\$ 1,000.00	\$ 6,000.00	\$ 10.00	\$ 60.00	\$ 750.00	\$ 4,500.00	\$ 1,175.00	\$ 7,050.00	\$ 630.00	\$ 3,780.00
27	7-05	Protect Catch Basin Frame and Grate	39	EA	\$ 1,200.00	\$ 46,800.00	\$ 2.00	\$ 78.00	\$ 100.00	\$ 3,900.00	\$ 10.00	\$ 390.00	\$ 100.00	\$ 3,900.00	\$ 675.00	\$ 26,325.00	\$ 630.00	\$ 24,570.00
28	7-12	Protect Water Valve	15	EA	\$ 1,200.00	\$ 18,000.00	\$ 500.00	\$ 7,500.00	\$ 650.00	\$ 9,750.00	\$ 10.00	\$ 150.00	\$ 875.00	\$ 13,125.00	\$ 640.00	\$ 9,600.00	\$ 630.00	\$ 9,450.00
29	8-01	Erosion Control and Water Pollution Prevention	1	LS	\$ 28,000.00	\$ 28,000.00	\$ 16,300.00	\$ 16,300.00	\$ 3,500.00	\$ 3,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 17,000.00	\$ 17,000.00	\$ 24,500.00	\$ 24,500.00
30	8-01	ESC Lead	75	DAY	\$ 250.00	\$ 18,750.00	\$ 55.00	\$ 4,125.00	\$ 25.00	\$ 1,875.00	\$ 50.00	\$ 3,750.00	\$ 25.00	\$ 1,875.00	\$ 1.00	\$ 75.00	\$ 1.00	\$ 75.00
31	8-01	Inlet Protection	91	EA	\$ 150.00	\$ 13,650.00	\$ 55.00	\$ 5,005.00	\$ 40.00	\$ 3,640.00	\$ 40.00	\$ 3,640.00	\$ 80.00	\$ 7,280.00	\$ 81.00	\$ 7,371.00	\$ 70.00	\$ 6,370.00
32	8-02	Landscape Restoration	1	EST	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00	\$ 15,000.00
33	8-04	Cement Conc. Traffic Curb and Gutter	790	LF	\$ 45.00	\$ 35,550.00	\$ 50.00	\$ 39,500.00	\$ 45.00	\$ 35,550.00	\$ 46.00	\$ 36,340.00	\$ 71.50	\$ 56,485.00	\$ 52.00	\$ 41,080.00	\$ 52.00	\$ 41,080.00
34	8-04	Cement Conc. Pedestrian Curb	30	LF	\$ 40.00	\$ 1,200.00	\$ 50.00	\$ 1,500.00	\$ 35.00	\$ 1,050.00	\$ 43.00	\$ 1,290.00	\$ 50.00	\$ 1,500.00	\$ 39.00	\$ 1,170.00	\$ 42.00	\$ 1,260.00
35	8-09	Recessed Pavement Marker	6	HUND	\$ 500.00	\$ 3,000.00	\$ 3,100.00	\$ 18,600.00	\$ 2,100.00	\$ 12,600.00	\$ 2,950.00	\$ 17,700.00	\$ 1,950.00	\$ 11,700.00	\$ 1,900.00	\$ 11,400.00	\$ 2,150.00	\$ 12,900.00
36	8-13	Protect Monument Case and Cover	5	EA	\$ 2,500.00	\$ 12,500.00	\$ 500.00	\$ 2,500.00	\$ 1,000.00	\$ 5,000.00	\$ 10.00	\$ 50.00	\$ 60.					



## TRANSPORTATION CAPITAL PROJECT OR PROGRAM

## SNOQUALMIE PARKWAY REHABILITATION PROJECT

CIP Project ID: TRN23002CIP

Previously Spent: \$0

Department: Transportation

Current Project Budget: \$6,400,000

Project Status: Other

Original Budget at CIP Inception: \$6,380,000

Project Location: Snoqualmie Parkway

Years Project in CIP: 2

Project Contact: Michael Chambliss

Contact Email: mchambliss@snoqualmiewa.gov

## Description:

The Snoqualmie Parkway is deteriorating as it ages. Consequently, the goal of this project is to rehabilitate, replace, or reconstruct the Snoqualmie Parkway and other related right-of-way assets. The project will address high priority maintenance needs including, but not limited to, the resurfacing of the roadway pavements. The project may also tend to street lighting, ADA ramps, striping, and traffic signal systems as needed.

## Photo or Map:



## Community Impact:

The intent of this project is to maintain the condition of a vital principal arterial connecting the historic downtown to Snoqualmie Ridge, two important state highways (SR 18, SR 202), and one interstate (I-90). This project will help to reduce the long-term cost of major reconstruction by extending the life of the Snoqualmie Parkway.

## Operating Impact:

This project will provide a new monolithic surface for the parkway. By overlaying the existing cracks, we will prevent additional water intrusion and continued damage from freeze thaw cycles. With proper maintenance, it is expected that the overlay will have a 15-20 year life before needing major rehabilitation resulting in hundreds of thousands of dollars in maintenance savings.

## Budget:

Project Activities	% of Budg.	Total Activity Budget	2023	2024	2025	2026	2027	2028	2029 or Beyond
Analysis	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Design	4%	\$ 249,336	\$ 249,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	78%	\$ 4,986,722	\$ 4,986,722	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Const. Manage	4%	\$ 249,336	\$ 249,336	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	8%	\$ 498,672	\$ 498,672	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Art	0%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Labor	5%	\$ 291,265	\$ 291,265	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other	2%	\$ 124,668	\$ 124,668	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>100%</b>	<b>\$ 6,400,000</b>	<b>\$ 6,400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
Operating		\$ (162,000)	\$ (25,000)	\$ (26,000)	\$ (27,000)	\$ (27,000)	\$ (28,000)	\$ (29,000)	*

TOTAL PROJECT BUDGET: \$6,400,000

TOTAL OPERATING BUDGET: -\$162,000

## Anticipated Funding Mix:

Source	Total Sources	2023	2024	2025	2026	2027	2028
Util. & Trans. Taxes	\$ 1,400,000	\$ 1,400,000	\$ -	\$ -	\$ -	\$ -	\$ -
State Legislative Direct	\$ 5,000,000	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL</b>	<b>\$ 6,400,000</b>	<b>\$ 6,400,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

## Fiscal Notes:

\* The City will continue to see a reduction in operating expenditures resulting from the project into the future.

TOTAL FUNDING SOURCES: \$6,400,000  
FUTURE FUNDING REQUIREMENTS: \$0



# **Eagle Lake Water Reclamation Basin Improvements**

**May 16, 2023**

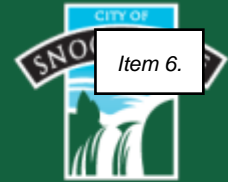
**Parks & Public Works  
& RH2 Engineering**

# Class A Reclaimed Water at Eagle Lake



- 1997 Construction
- Eagle Lake Storage Pond
- Added Utility Resiliency
- First permitted Class A System in WA State
- 1.56 MG daily offset
- Wastewater is resource!

# Distribution System Improvements



- 2018 Reclaimed Water Rule (Purple Book)
- Distribution system improvements to City Class A system (12 MG Annually)
- Potential for future chlorination system
- New reservoir will separate City Class A from Eagle Lake
- Improvements to Class A irrigation pump station
- Continued water supply and water quality benefits

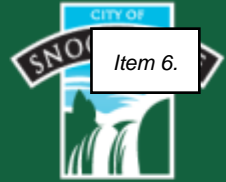


# Reservoir Siting Study



Propose improvements will only impact Class A distribution system owned and operated by City.

# Next Steps



- ❑ July 1, 2023 - Draft Engineering Report to Ecology
- ❑ December 31, 2023 – Final Engineering Report to Ecology
- ❑ 2024 – Design of Improvements
- ❑ 2025-2026 – Construction of Improvements