CLACKAMAS
WATER ENVIRONMENT SERVICES

GREGORY L. GEIST | DIRECTOR
Water Quality Protection
Surface Water Management
Wastewater Collection & Treatment

May 22, 2025 BCC Agenda Date/Item: _____

Board of County Commissioners
Acting as the governing body of Water Environment Services
Clackamas County

Approval of an Amendment to a Contract with Consor North America for final design and engineering services to the Willamette pump station and force main sewer pipe. Amendment Value is $2,250,191 for 1 year. Total Contract Value is $3,424,963 for 3 years. Funding is through WES Sanitary Sewer Construction and System Development Charge Funds. No County General Funds are involved.

Previous Board Action/Review	Original Contract #8266 approved August 10, 2023.		
Performance Clackamas	1. This project supports the WES Strategic Plan goal that WES strategically plan and upgrade WES' infrastructure to ensure the sustainable delivery of reliable, high-quality, and climate-resilient clean water services that support the growth and vitality of our communities, natural environment, and economy. 2. This project supports the County's Strategic Plan of building a strong infrastructure.		
Counsel Review	Yes	**Procurement Review**	Yes
Contact Person	Jeff Stallard	**Contact Phone**	503-742-4694

EXECUTIVE SUMMARY: The Willamette Pump Station collects flow from the Willamette area of West Linn and conveys it to the Willamette Interceptor. The 2019 Sanitary Sewer Master Plan and a subsequent detailed evaluation showed the pump station and force main are at capacity and in need of expansion. Condition issues also need to be addressed. WES took advantage of the Abernethy Bridge Expansion Project and contracted with ODOT to install a portion of the force main from the bridge at a cost savings to rate payers. The remainder of the project includes replacement of the Willamette Pump Station and an upsized force main from the pump station to the Abernethy Bridge to accommodate planned future flows.

WES' 2025-2030 Capital Improvement Plan includes this project to design and construction pump station and force main to meet future capacity needs, improve maintainability of the systems, and increase reliability during weather events.

For Filing Use Only

The WES Board approved the existing Willamette Pump Station and Force Main contract in July 2023 to complete the conceptual design of the new pump station and the portion of the force main from the pump station to the connection point upstream of the Abernethy Bridge crossing. The conceptual design was completed in spring 2025. The contract amendment being considered today is to complete the design of the new pump station and the force main from the pump station to the Abernethy Bridge crossing, including permitting efforts, additional geotechnical exploration, continued stakeholder communication, final design, preparation of bid documentation, and bid phase services. An additional future contract amendment for project bid phase services and construction services may be considered.

RECOMMENDATION: Staff recommends that the Board of County Commissioners of Clackamas County, acting as the governing body of Water Environment Services, approve Amendment #1 for Contract #8266 with Consor North America, Inc. for additional scope of work including final design of Willamette Pump Station and Force Main.

Respectfully submitted,

Greg Geist
Director, WES

Attachment: Amendment #1 for Contract #8266 Consor North America, Inc.

AMENDMENT #1
TO THE CONTRACT DOCUMENTS WITH CONSOR NORTH AMERICA, INC. FOR WILLAMETTE PUMP STATION AND FORCE MAIN PROJECT
Contract #8266

This Amendment #1 is entered into between **CONSOR North America, Inc.** ("Contractor") and Water Environment Services ("District") and shall become part of the Contract documents entered into between both parties on **August 10, 2023** ("Contract").

The Purpose of this Amendment #1 is to make the following changes to the Contract:

1. ARTICLE I, Section 2. **Scope of Work** is hereby amended as follows:
District has authorized an increase to Scope of Work for Contractor to begin the next phase of work, which includes Final Design and Bid Document Work on the Willamette Pump Station and Force Main Project as contemplated by the Scope of Work and the RFP #2022-115. The supplemental Scope of Work for the Final Design and Bid Document Work is hereby attached and incorporated by reference as Exhibit "A" to this Amendment #1.

2. ARTICLE I, Section 3. **Consideration** is hereby amended as follows:
District is authorizing an additional $2,250,191.00 for Contractor to perform the Final Design and Bid Document Work. Contractor's Fee Schedule is hereby attached and incorporated by reference as Exhibit "A" to this Amendment #1. The maximum compensation authorized under this Contract shall not exceed $3,424,963.00.

ORIGINAL CONTRACT	$ **1,174,772.00**
AMENDMENT #1	**$ 2,250,191.00**
TOTAL AMENDED CONTRACT	**$ 3,424,963.00**

Except as expressly amended above, all other terms and conditions of the Contract shall remain in full force and effect. By signature below, the parties agree to this Amendment #1, effective upon the date of the last signature below.

CONSOR North America, Inc.

4/30/2025
Authorized Signature Date

Brian Ginter, PE - Senior Vice President
Printed Name

Water Environment Services

Chair

Date

Approved as to Form

4/30/2025
County Counsel Date

Exhibit A
Scope of Work and Fee Schedule

FINAL

EXHIBIT I

SCOPE OF WORK
WILLAMETTE PUMP STATION AND FORCE MAIN REPLACEMENT PROJECT
AMENDMENT NO. 1

DESIGN PHASE
ENGINEERING SERVICES

CLACKAMAS WES

Introduction

Clackamas Water Environment Services (WES, District) is pursuing its mission to protect water quality and support the vitality of its member communities with this investment in the Willamette Pump Station (PS) and Force Main (FM). WES's 2019 Sanitary Sewer Master Plan identified capacity deficiencies in both the Willamette PS and the Willamette Interceptor downstream during peak flow storm events. A condition assessment and schematic design evaluation completed in 2020 also identified aging equipment and resiliency concerns from flooding and earthquakes. This project will address these issues by replacing the pump station and force main with new infrastructure that is adequately sized, resilient, and reliable.

Consor North America, Inc. (Consultant) completed the Preliminary Design phase of the project which identified the location of the pump station and force main in 30% design level drawings, summarized the anticipated permitting clearances, and outlined the design phase scope, schedule, and construction budget. This amendment includes professional services to complete the detailed design development, obtain necessary permits, and support the District with bid phase services. Once completed, it is anticipated that future phases will be added by a contract amendment to include construction support services.

General Assumptions

General Assumptions listed in the original contract apply and are supplemented as follows:

- The pump station and force main will be designed concurrently but will have separate bid packages to be constructed by different contracts. The forcemain will include two schedules for two sections. Schedule A: Pump Station to Existing Discharge Manhole and Schedule B: Existing Discharge Manhole to End of Project.
- Workshops and design review meetings will be held in person for local staff and virtually for remote staff.

- District staff will provide comments within three weeks of workshop presentations or submitted deliverables.
- Consultant shall use 49 Division format master specifications. Consultant shall provide Division 1 and technical specifications for project use and District will review and comment.
- Deliverable documents will be in electronic version in .PDF and original .DOC format.
- The Consultant's standard CAD software (AutoCAD) will be used to produce the drawings, following its own drafting standards.
- The District will pay for all permitting fees directly.

District-Provided Services

The District will provide the following services for this project:

- Provide access to the PS site and explain operating procedures and maintenance issues to the Consultant.
- Provide a Project Manager (PM) who will submit permit applications prepared by the Consultant and act as point of contact for permitting agencies and requests for information and deliverables reviews.
- Furnish consolidated written review comment either in a log file or as markup comments on the drawings and cost estimate for all deliverables.
- Provide edits and comments to specifications in the MS Word files.
- Organize meetings with WES staff as needed to solicit input.
- Participate in stakeholder meetings with the Consultant.

Scope of Services

Consultant will perform the following services.

Task 1 - Project Management (Existing Task Amended)

Objective

Provide leadership and team strategic guidance aligned with WES staff objectives. Coordinate, monitor, and control the project resources to meet the technical, communication, and contractual obligations required for developing and implementing the project scope during the design and bid phases of the project.

Activities

- Conduct bi-monthly (two times per month) virtual check-in coordination meetings with District PM.
- Conduct weekly consultant team virtual coordination meetings with active staff.
- Monthly review of project budget Estimate to Completion.

- Monthly invoice and progress report preparation.
- Project schedule updates as needed or quarterly at minimum.

Task Deliverables

- Monthly invoices with progress report, task-level budget report.
- Project schedule and updates.

Assumptions

- Client coordination meetings are one hour each and will be facilitated by the Consultant PM and attended by design leads.
- The duration of work identified under this scope of work is 17 months, which equates to 17 invoices and progress reports.

Task 2 – Quality Management (Existing Task Amended)

Objective

Monitor and ensure the quality of the Project and perform internal quality assurance/quality control (QA/QC) reviews for design and permitting submittals.

Activities

- Maintain basis of design file that includes calculations, manufacturer correspondence, and data sheets on selected major equipment.
- Conduct quality reviews in accordance with the Quality Management Plan. Maintain documentation so that the quality review process is complete and review comments are adequately addressed.

Task Deliverables

- Quality Control Documentation with associated deliverables.

Assumptions

- Subconsultants will provide their own quality reviews on deliverables with a secondary review completed by the prime consultant.
- Deliverables to be reviewed under this scope of work include:

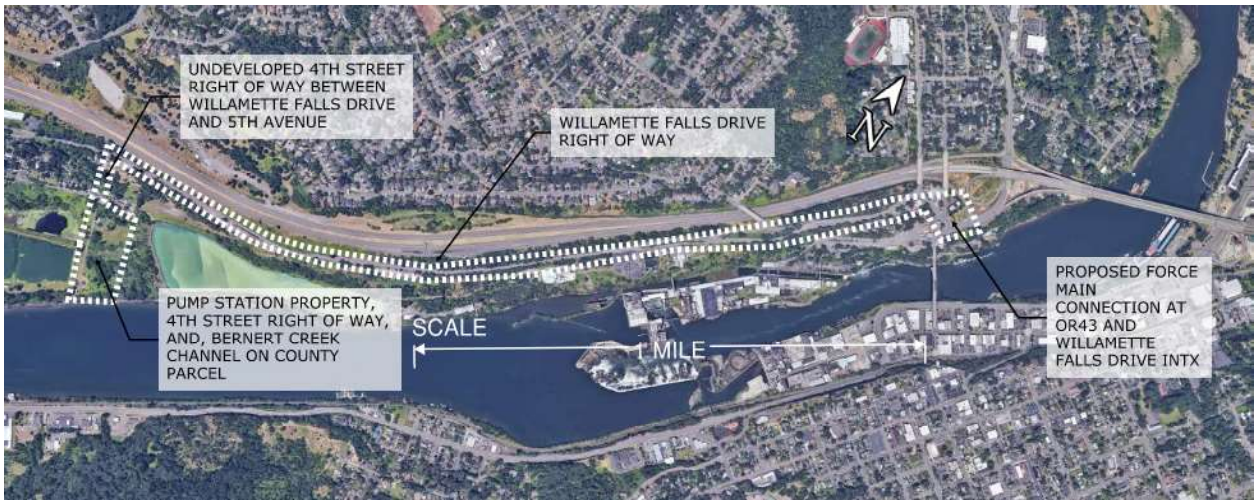
    1. 60% Design Plans, Specifications, and Estimate (PS&E) submittal package.
    2. Permit Application packages identified in Task 3.
    3. 90% Design PS&E submittal package.
    4. Final Design and Stamped Contract Documents.

Task 3 – Permitting Clearances (Existing Task Amended)

Objective

Prepare application materials and obtain land use and environmental permit approvals needed to construct the project improvements. The anticipated permitting requirements are based on the Area of Potential Impact (API) shown in Figure 3.1.

Figure 3.1 – Area of Potential Impact



Area of Potential Impact Description:
The API includes the WES Willamette PS property, the 4th Street Right-of-Way (ROW) between Volpp Street and Willamette Falls Drive, the Willamette Falls Drive Right of Way between 4th Street and OR43, and the ODOT right of way to the north of Willamette Falls Drive at OR 43.

3.7 Land Use Approval for Pump Station Project (New Subtask)

Activities

- Prepare conditional land use review applications for the pump station project.
- Prepare application for Habitat Conservation Area review for the force main crossing through the 4th Street undeveloped right of way.
- Respond to City planning inquiries or requests for information.
- Participate in Willamette Neighborhood Association meeting.
- Coordinate with Design team and prepare draft application narrative for review, revise narrative with comments, and finalize materials for submittal.
- Respond to City completeness review.
- Coordinate hearing presentation materials with Consultant team and participate in one public hearing. Review conditions of approval and coordinate with design team to include in final design.

Deliverables

- Conditional land use application prepared for WES signature and submittal to the City of West Linn Planning Department.
- Hearing presentation materials to present on project purpose and scope.

Assumptions

- The force main will not require land use review because it will be located within the City of West Linn and ODOT rights of way.
- Permit applications will be prepared using 60% design level plans.
- WES will provide property mailing stickers if required by the City.
- Land use applications will be approved without additional land use submittal requirements.
- The land use planner will participate in the public meeting planned under Task 5 to satisfy the public outreach requirements for the land use application.

3.8 Environmental Permit Clearances (New Subtask)

Activities

- Confirm project impacts to jurisdictional environmental resources within the API as shown in Figure 3-1.
- Participate in one pre-application meeting per regulatory agency.
- Prepare and submit a Joint Permit Application (JPA) to obtain a US Army Corps of Engineers (USACE) Nationwide Permit, a Department of Environmental Quality (DEQ) 401 Water Quality Certification, and a Department of State Lands (DSL) General Permit as required for impacts to wetlands and non-wetland waters of the state.
- Prepare up to one wetland and one stream functional assessment for inclusion in the JPA, as required.
- Coordinate with permitting authorities as required for input on findings and conditions of approval.
- Coordinate with design team to include working boundary limits and conditions of approval into the Contract Documents.

Deliverables

- One Draft and Final JPA.

Assumptions

- Permit applications will be prepared using 60% design level plans.
- Wetland impacts will be mitigated through the purchase of mitigation bank or in-lieu fee program credits.

- No fish passage approvals will be required.
- Due to the varied nature of post-submittal coordination, it is expected that the Consultant shall not expend more than eight (8) hours for office review and coordination time for post-submittal coordination with DSL, USACE, and DEQ.
- All application, review, and permit fees will be the responsibility of WES.
- Individual permits from USACE or DSL or individual ESA consultations will not be required.
- No regulatory site visit will be required.
- WES will obtain Applicant and Land Use Compatibility signatures on the JPA form.
- Section 106 documentation for Cultural Resources completed under Subtask 3.10 will be included in the JPA.
- The permits will be approved without additional revisions or submittals.

3.9 Right-of-Way Permit Approvals (New Subtask)

- Issue 90% design plans to the City of West Linn Public Works and ODOT District 2B office for plan review and permitting conditions of approval.
- Meet with each agency to coordinate the project and confirm requirements.
- Submit permit applications with final plans for right-of-way permitting.

Deliverables

- City of West Linn Right-of-Way and Utility Permit Application
- ODOT Right-of-Way Permit

Assumptions

- The City of West Linn will approve the land use application without requiring additional permit submittals.
- Preparing the land use application will be completed after 60% design development.
- ODOT will not require slope stability review for trench excavation within the Willamette Falls Drive right of way.

3.10 Cultural Resources Determination (New Subtask)

Activities

- Conduct an archaeological pedestrian survey of the project Area of Potential Impact for near surface cultural resources and potential for buried resources.
- Excavate shovel probes and screen the excavated materials to evaluate the project area's potential to contain buried cultural resources.

- Complete a compliance-level inventory of historic period cultural resources that may be directly impacted by the project.
- Prepare a draft and final Technical Memorandum detailing the activities and findings that conforms to SHPO guidelines.

Deliverables

- State Historic Preservation Office Archaeological Permit Application
- Cultural Resources Survey Technical Report, Draft and Final
- City of West Linn Right of Way Permit Application

Assumptions

- The survey area is a maximum of 15 acres in size.
- A maximum of 40 shovel probes will be excavated to a maximum depth of 10 feet.
- A maximum of one archaeological resource will be encountered and documented.
- A maximum of five historic-period architectural resources will be identified and inventoried at compliance level.
- Curation of any cultural resources discovered will be completed under a contract amendment.

3.11 DEQ Construction Stormwater Permit 1200C (New Subtask)

Activities

- Prepare permit application and drawings for a 1200C Construction Stormwater Permit from Oregon DEQ.

Deliverables

- Permit Application
- Permit Plans
- Permit Transfer Application

Assumptions

- Pump station and force main projects will be permitted under the same application.
- Oregon DEQ plan review, if required, will be coordinated by WES and a separate Engineering Report will not be prepared.

Task 4 – Data Collection and Assessment (Existing Task Amended)

Objective

Collect additional geotechnical data at the selected pump station location and assess soil conditions and geotechnical recommendations for design. Complete hazardous materials survey at existing pump station to inform building removal requirements. Continue with utility coordination during the design phase.

4.5 Geotechnical Investigations (Existing Subtask Amended)

Activities

- Conduct site reconnaissance for northern pump station location and identify boring locations.
- Prepare Geotech approach and boring plans to show drilling locations and outline procedures for data collection.
- Collect one boring at 40-ft depth along the proposed gravity sewer alignment on 4th Street. Conduct standard geotechnical sampling and data collection at 2.5' intervals.
- Collect CPT probe at new pump station site to depth of 70 feet or until refusal to confirm estimates for liquefaction potential and seismic mitigation.
- Update the Geotech report with site specific seismic hazard study with additional data collected for the new pump station site.
- Contribute to cost estimating and design review of geotechnical related portions of the plans and specifications.

Deliverables

- Boring Plan.
- Updated Draft and Final Geotechnical Report.

Assumptions

- Handling and disposal of hazardous materials encountered during borings is not included.
- Two borings for a total estimated boring depth of 110 vertical feet are included.

4.6 Hazardous Materials Assessment (Existing Subtask Amended)

Activities

- Conduct asbestos building survey for the existing pump station that will be removed.
- Estimate the potential quantity and unit cost for removal of potentially contaminated soil around the existing pump station.

Deliverables

- Asbestos building survey.

Assumptions

- Soil testing and tank removal will be specified to be completed by the Contractor during construction.

4.7 Preliminary Utility Coordination (Existing Subtask Amended)

Activities

- Obtain City Right of Way and Traffic Control permits required for utility potholing included with the potholing plan.
- Perform potholing in accordance with the approved potholing plan, with numbered survey pin to provide a reference mark for future survey. Prepare potholing reports noting the depth from the surface to the top and bottom of the utility structure. Survey pins to include in x-base files.
- Perform conflict analysis and Conflict Plan sheets following each design submittal stage.
- Manage a conflict list database.
- Provide Utility Conflict Plan Sheets and Conflict List to all utility companies identified within the project area for their review for accuracy of potential conflicts and include any recommended potholing locations.
- Coordinate utility relocation plans with Owner to be included in the Plans.

Deliverables

- Conflict Plan Sheets at 60% and 90% design stages.
- Conflict list database.

Assumptions:

- The budget assumes a maximum of 20 utilities will be potholed and surveyed. Potholing work will be completed during the day.
- Design of existing utility relocations will be completed by the utility owners and reviewed by the Consultant to confirm that the proposed relocations will resolve the identified conflicts. Design reviews are limited to up to two iterations per utility conflict.

Task 5 – Stakeholder Communications (Existing Task Amended)

Objective

Continue with public outreach program identified in the original scope to inform the public about the project purpose, need and benefits; and provide opportunity for impacted, interested community members to provide input that informs the permitting, design, and mitigation process during the design phase.

Activities

5.2 Development of Materials and Tools (Existing Subtask Amended)

- Prepare building architectural and site plan and landscaping renderings to be used for neighborhood presentation and project information.

Deliverables

- Site and Landscaping plan rendering in pdf.
- Building architecture rendering in isometric view in pdf.

Assumptions

- Renderings will be based on 60% design and may be updated at 90% to reflect the current design.

Task 8 – Preliminary Design Development (Existing Task Amended)

Objective

Confirm and document preliminary design for site layout, grading, stormwater management, flood plain balance cut fill, and generator roof features with WES prior to starting the 60% design.

8.1 Pump Station Preliminary Design

Activities

- Prepare update site plan with exterior equipment placement, stormwater facility, and flood plain mitigation.
- Prepare grading plan to establish the site elevations, driveway slopes, and vehicle circulation.
- Prepare conceptual plan and elevation for the generator roof and access platform.

Deliverables

- Preliminary plans as described.

Task 9 – Pump Station 60% Design Development (New Task)

Objective

The purpose of this task is to advance the pump station and gravity sewer Preliminary Design from Task 8 to detailed design at 60% completion level. The 60% documents shall include Divisions 1, technical specifications for major equipment, and depict the final location and size of major components and systems. The design submittals will be grouped in bid sets outlined in the General Assumptions listed below.

Activities

- Finalize process and mechanical equipment selection and collect equipment data sheets including the pumps, sump pumps, HVAC, odor control, hoists, and hatches.

- Finalize electrical service load calculations and coordinate service upgrade requirements with power utility.
- Design and layout building floor plan and sections.
- Design generator access platform and roof structure.
- Incorporate chemical feed tank and equipment recommendations from Evoqua to be included in the project.
- Perform sound study to identify baseline sound levels and recommendations for noise abatement to meet land use requirements. Design and layout process piping and HVAC ducts and equipment.
- Design and layout MCC, control panels, generators, ATS, and other electrical equipment and level control systems.
- Identify pump station site demolition and structure removal requirements.
- Design and layout site civil, yard piping and storm water.
- Design gravity sewer and connections to existing system to divert flows to the new pump station.
- Design modifications to the existing overflow structure to divert flows and replace gates.
- Develop Technical Specification Section for pump control narrative.
- Develop demolition plans and details for existing facilities.
- Prepare draft erosion and sediment control plans.
- Develop plans to maintain service during construction.
- Outline site impact area and note restoration requirements.
- Prepare traffic control plans for local street closures for gravity sewer along 4th Street.
- Develop recommendations for construction sequencing, continuity of sewer service, and Contract Time estimate.
- Facilitate one interim design meeting with WES staff to review design development prior to deliverable submittal.
- Prepare 60% Design level drawings for each bid set as noted in the Drawing List included in Attachment A.
- Develop Division 01 and major equipment Technical Specifications as noted in the Technical Specifications List included in Attachment B.
- Prepare Class III Cost Estimate.

Task Deliverables

60% PS&E submittal packages for the pump station.

Assumptions

- The anticipated drawings and specifications are listed in Attachments A and B, respectively.
- The building finish floor, wet well rim elevation, and generator will be set at the 100-year Willamette River flood elevation plus one foot based on legacy DEQ design standards as directed by WES. The surrounding site will be graded to match into the existing 4th Street profile and allow a vehicle to be backed into the building. The site is not required to be above the flood plain elevation.
- Drawings will be provided in .pdf files and specifications will be MS Word files.
- Design review meetings will be attended by the Consultant Project Manager, Project Engineer, and multi-disciplinary subconsultants as applicable. The meetings will be held in-person for local staff and virtually for remote staff.
- 4th Street alignment and profile will not change and frontage improvements will not be required to be designed or constructed.
- Designing sound walls behind the building to mitigate noise from the generator and odor control units is not included in the scope of work.
- Pump station controls will not be modeled with REPLICA. Wet well CFD modeling, if requested, will be completed by the pump manufacturer.
- Radio communication study at new pump station will be completed by Owner.

Task 10 – Pump Station 90% Design Development (New Task)

Objective

The purpose of this task is to develop 90% design level Contract Documents for the pump station and gravity sewer bid packages. This is intended to be a complete set of documents but may have remaining details to be developed based on WES review comments.

Activities

- Review and address 60% design review comments from WES staff or other stakeholders.
- Prepare 90% Design level drawings for each bid set as noted in the Drawing List included in Attachment A.
- Prepare technical specifications to include Division 01 through Division 48 for general requirements, materials, submittals, equipment, installation, and warranty requirements. See attached Specification List in Attachment B.
- Prepare Class II Construction Cost Estimate.
- Update construction sequence and duration estimates.
- Facilitate one interim design meeting with WES staff to review design development prior deliverable submittal.

- Conduct one two-hour meeting for each bid set to review the 90% design submittal with District staff.
- Conduct design review meetings with the City of West Linn Building Department.

Task Deliverables

- 90% PS&E submittal packages for the pump station packages.
- Documentation of resolution of 60% review comments by District and other external stakeholders.

Assumptions

- The anticipated drawings and specifications are listed in Attachments A and B, respectively.
- Drawings will be provided in .pdf files and specifications will be MS Word files.
- Design review meetings will be attended by the Consultant Project Manager, Project Engineer, and multi-disciplinary subconsultants as applicable. The meetings will be held in-person for local staff and virtually for remote staff.

Task 11 – Prepare Pump Station Bid Documents (New Task)

Objective

Prepare final, sealed contract documents to be used for publicly bidding the pump station project.

Activities

- Review and coordinate Division 0 specifications provided by WES for specific project.
- Address District and City Building review comments and prepare the final contract documents.
- Prepare reproducible final documents in pdf format.
- Prepare final Engineer's Opinion of Cost at Class II level.

Task Deliverables

- Final stamped contract documents.
- Engineer's Opinion of Cost.

Assumptions

- WES will provide Front End specifications, contract requirements, and Supplemental General Conditions.

Task 12 - Force Main 60% Design (New Task)

Objective

The purpose of this task is to advance the force main Preliminary Design from Task 8 to detailed design at 60% completion level. The 60% documents shall include Divisions 1, technical specifications for piping and

valves, and depict the pipeline plan and profile, air valve vaults, and connections to existing systems. The design submittals will be grouped in bid sets outlined in the General Assumptions listed above.

Activities

- Recommend final pipeline alignment and profile.
- Finalize pipe material selection, including recommendations for lining, coating, and providing corrosion protection for the pipe material.
- Design layout and improvements at each of the 8 odor and air valve stations.
- Design layout and improvements for the pig receiving station and gravity sewer extension and connection to the existing system.
- Develop plans to maintain service and interconnection with the existing 18-inch force main and discharge to the West Linn Interceptor.
- Prepare new plan and profile sheet to relocate the existing gravity sewer within the undeveloped 4th Street right of way.
- Prepare drawings to the 60% design level as noted in the Drawing List provided as Attachment A.
- Update preliminary transient analysis of force main, based on revised force main alignment or proposed change to pump station operations determined during 60% design phase.
- Prepare draft traffic control plan for a single lane closure along Willamette Falls Drive and its intersections..
- Prepare draft erosion and sediment control plans.
- Assemble County or WES standard details for each required discipline.
- Review and coordinate Division 0 specifications provided by WES.
- Develop draft Technical Specifications as identified in the Specifications List provided as Attachment B.
- Prepare bid item list and Class III Construction Cost Estimate.
- Develop preliminary construction sequence, constraints and construction schedule.
- Conduct one interim design meeting with WES staff to review design development prior deliverable submittal.
- Conduct 60% design review meeting. Consultant will conduct one two-hour workshop to review the 60% design submittal with District staff.

Task Deliverables

60% PS&E submittal package for the force main.

Assumptions

- The force main pipe size will be nominal 20-inch diameter and
- The anticipated drawings and specifications are listed in Attachments A and B, respectively.
- Drawings will be provided in .pdf files and specifications will be MS Word files.
- Design review meetings will be attended by the Consultant Project Manager, Project Engineer, and multi-disciplinary subconsultants as applicable. The meetings will be held in-person for local staff and virtually for remote staff.

Task 13 – 90% Force Main Design (New Task)

Objective

The purpose of this task is to develop 90% design level Contract Documents for the force main bid package. This is intended to be a complete set of documents but may have remaining details to be developed based on WES review comments.

Activities

- Review and address 60% design review comments from WES staff or other stakeholders.
- Prepare 90% design level drawings for each bid set as noted in the Drawing List included in Attachment A.
- Prepare technical specifications to include Division 01 through Division 48. See attached Specification List in Attachment B.
- Prepare a Class II Construction Cost Estimate.
- Submit 90% design review set to City of West Linn and ODOT District 2B to review.
- Update the estimated construction schedule.
- Conduct one interim design meeting with WES staff to review contract documents prior deliverable submittal.
- Conduct one two-hour meeting to review the 90% design submittal with District staff.
- Conduct design review meetings with the City of West Linn and ODOT (2 separate meetings).

Task Deliverables

- 90% PS&E submittal packages for the force main package.
- Documentation of resolution of 60% review comments by District and other external stakeholders.

Assumptions

- The anticipated drawings and specifications are listed in Attachments A and B, respectively.
- Traffic Control Specifications will reference Oregon DOT Standard Specifications

- Drawings will be provided in .pdf files and specifications will be MS Word files.
- Design review meetings will be attended by the Consultant Project Manager, Project Engineer, and multi-disciplinary subconsultants as applicable. The meetings will be held in-person for local staff and virtually for remote staff.

Task 14 – Prepare Force Main Bid Documents (New Task)

Objective

Prepare final, sealed contract documents to be used for publicly bidding the force main project.

Activities

- Review and coordinate Division 0 specifications provided by WES for specific project.
- Address District and City Building review comments and prepare the final contract documents.
- Prepare reproducible final documents in pdf format.
- Prepare final Engineer's Opinion of Cost at Class II level.

Activities

- Address District, City and ODOT review comments and prepare the final contract documents.
- Prepare reproducible final documents in pdf format.
- Prepare final Engineer's Opinion of Cost at Class II level.

Task Deliverables

- Final stamped contract documents.
- Engineer's Opinion of Cost.

Assumptions

- WES will provide Front End specifications, contract requirements, and Supplemental General Conditions.

Task 15 – Bid Phase Services (New Task)

Objective

Support WES staff during bid phase for each project.

15.1 Pump Station Bid Services

Activities

- Attend one pre-bid conference.
- Review and respond to Bidder questions.

- Prepare technical material for addenda.
- Review bids as requested by the District.

15.2 Force Main Bid Services

Activities

- Attend one pre-bid conference.
- Review and respond to Bidder questions.
- Prepare technical material for addenda.
- Review bids as requested by the District.

Task Deliverables

- Technical materials for the addenda as needed.

Assumptions

- Two addenda for each bid set are assumed.

Budget

Payment will be made at the Billing rates for personnel working directly on the project, which will be made at the Consultant's Hourly Rates, plus Direct Expenses incurred. Billing rates, expenses, and outside services are listed below.

Personnel:

Labor will be invoiced at direct labor with a 3.15 multiplier. Maximum hourly rate is $260 per hour.

Project Expenses:

Expenses incurred in-house that are directly attributable to the project will be invoiced at actual cost. These expenses include the following:

Mileage	Current IRS Rate
Postage and Delivery Services	At Cost
Printing and Reproduction	At Cost
Travel, Lodging, and Subsistence	At Cost

Outside Services:

Outside technical, professional, and other services will be invoiced at actual cost-plus 5 percent to cover administration and overhead.

Project Schedule

The project milestones listed in Table 1 below are included in this scope of work.

Table 1 | Project Schedule

Design Phase Schedule (Included in this Contract)	
Notice to Proceed (Assumed)	March 2025
60% Design PS&E	August 2025
Permits and Land Use Submittals	October 2025
90% Design PS&E	January 2026
Final Design Documents	May 2026
Bid Phase Complete	August 2026

WILLAMETTE PUMP STATION AND FORCE MAIN
CLACKAMAS WES
PROPOSED FEE ESTIMATE

	LABOR CLASSIFICATION (HOURS)																					Subconsultants														
Billing Rate Estimated per Classification	Principal Engineer IV	Principal Engineer III	Professional Engineer VIII	Professional Engineer VII	Professional Engineer VIII	Professional Engineer VIII	Professional Engineer V	Technician III	Professional Engineer V	Cost Estimator III	Professional Engineer IV	Professional Engineer III	Professional Engineer IV	Engineering Designer IV	Engineering Designer II	Technician IV	Project Coordinator IV	Project Coordinator I	Hours	Labor	Structural	E&IC	Potholing	Geotech	Hydraulics	Permits	Cultural	Land Use	Survey	HVAC	Architect	Subconsultant Total with Markup	Total
Staff Name	$260 Carr	$260 Crafts	$245 Kreipe	$236 Asato	$232 Owens	$234 Luce	$177 Kirby	$141 Elgharabli	$177 Reeves	$260 Grieslinger	$169 Ebbighausen	$159 Lafrenz	$0	$0	$126 Coles	$170 Harjala	$178 Ritz	$101 Steinberg																		
Task 1 - Project Management																																				
Task 1 Subtotal	**0**	**193**	**102**	**102**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**51**	**0**	**448**	**$ 108,316**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 108,316**
Task 2 - Quality Management																																				
Task 2 Subtotal	**76**	**0**	**40**	**40**	**0**	**60**	**0**	**0**	**0**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**222**	**$ 54,596**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 54,596**
Task 3 - Permitting Clearances																																				
Task 3.7 - Land Use Approval for PS and FM		16	16		16										24	24			96	$ 18,878							$ 26,200				$ 27,510	$ 46,388
Task 3.8 - Environmental Permit Clearances			8	8					16			16				24			72	$ 13,300						$ 56,245					$ 59,057	$ 72,358
Task 3.9 - Right of Way Permit Approvals									16			16							32	$ 5,379								$ 3,794			$ 3,983	$ 9,362
Task 3.10 - Archaeological Determination			8																8	$ 1,958							$ 44,243				$ 46,455	$ 48,413
Task 3.11 - DEQ Construction Stormwater Permit 1200C					32											16			48	$ 10,142											$ -	$ 10,142
Task 3 Subtotal	**0**	**16**	**32**	**8**	**48**	**0**	**0**	**0**	**32**	**0**	**0**	**32**	**0**	**0**	**24**	**64**	**0**	**0**	**256**	**$ 49,657**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 56,245**	**$ 44,243**	**$ 26,200**	**$ 3,794**	**$ -**	**$ -**	**$ 137,006**	**$ 186,662**
Task 4 - Data Collection and Assessment																																				
Task 4.5 - Geotechnical Investigations			8									8							16	$ 3,229				$ 81,800							$ 85,890	$ 89,119
Task 4.6 - Hazardous Materials Assessment												4							4	$ 638				$ 3,500							$ 3,675	$ 4,313
Task 4.7 - Preliminary Utility Coordination				16		8			16		80					16			136	$ 24,757			$ 50,000					$ 2,950			$ 55,098	$ 80,314
Task 4 Subtotal	**0**	**0**	**8**	**16**	**0**	**8**	**0**	**0**	**16**	**0**	**80**	**12**	**0**	**0**	**0**	**16**	**0**	**0**	**156**	**$ 28,622**	**$ -**	**$ -**	**$ 50,000**	**$ 85,300**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,950**	**$ -**	**$ -**	**$ 145,163**	**$ 173,784**
Task 5 - Stakeholder Communications																																				
Task 5.2 - Development of tools and materials								24				8							32	$ 4,653											$ 4,500	$ 4,725	$ 9,378
Task 5 Subtotal	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**24**	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**32**	**$ 4,653**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4,500**	**$ 4,725**	**$ 9,378**
Task 8 - Preliminary Design Development																																				
Task 8.1 - Pump Station Preliminary Design		4	8									16			16	8			52	$ 8,909	$ 2,500										$ 5,114	$ 7,995	$ 16,904
Task 8 Subtotal	**0**	**4**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**0**	**0**	**16**	**8**	**0**	**0**	**52**	**$ 8,909**	**$ 2,500**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 5,114**	**$ 7,995**	**$ 16,904**
Task 9 - Pump Station 60% Design Development																																				
Task 9 Subtotal	**0**	**28**	**115**	**0**	**68**	**0**	**40**	**32**	**0**	**32**	**0**	**271**	**0**	**0**	**333**	**311**	**0**	**16**	**1274**	**$ 210,414**	**$ 52,025**	**$ 188,126**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4,500**	**$ 22,285**	**$ 280,283**	**$ 490,697**
Task 10 - Pump Station 90% Design Development																																				
Task 10 Subtotal	**0**	**20**	**105**	**0**	**40**	**0**	**56**	**40**	**0**	**16**	**0**	**235**	**0**	**0**	**356**	**314**	**0**	**24**	**1206**	**$ 197,672**	**$ 54,335**	**$ 167,802**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 5,000**	**$ 20,686**	**$ 260,214**	**$ 457,886**
Task 11 - Pump Station Prepare Bid Documents																																				
Task 11 Subtotal	**0**	**16**	**136**	**0**	**32**	**0**	**32**	**40**	**0**	**8**	**0**	**214**	**0**	**0**	**283**	**213**	**0**	**8**	**982**	**$ 164,773**	**$ 20,915**	**$ 54,364**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 4,000**	**$ 10,351**	**$ 94,112**	**$ 258,885**
Task 12 - Force Main 60% Design Development																																				
Task 12 Subtotal	**0**	**16**	**0**	**188**	**0**	**24**	**0**	**24**	**316**	**24**	**0**	**0**	**0**	**0**	**0**	**280**	**0**	**16**	**888**	**$ 168,977**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 20,200**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 21,210**	**$ 190,187**
Task 13 - Force Main 90% Design Development																																				
Task 13 Subtotal	**0**	**12**	**0**	**148**	**0**	**40**	**0**	**24**	**295**	**24**	**0**	**0**	**0**	**0**	**0**	**176**	**0**	**24**	**743**	**$ 141,660**	**$ -**	**$ -**		**$ -**	**$ 2,182**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,291**	**$ 143,951**
Task 14 - Prepare Force Main Bid Docs																																				
Task 14 Subtotal	**0**	**12**	**0**	**157**	**0**	**36**	**0**	**24**	**188**	**8**	**0**	**0**	**0**	**0**	**0**	**141**	**0**	**8**	**574**	**$ 112,174**	**$ -**	**$ -**		**$ -**	**$ 1,560**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 1,638**	**$ 113,812**
Task 15 - Bid Phase Services																																				
Task 15.1 - Pump Station Bid Services		4	16		4							24				16			64	$ 12,413	$ 2,050	$ 13,053		$ 2,000							$ 2,828	$ 20,928	$ 33,341
Task 15.2 - Force Main Bid Services		4		16					24							16			60	$ 11,792												$ -	$ 11,792
Task 15 Subtotal	**0**	**8**	**16**	**16**	**4**	**0**	**0**	**0**	**24**	**0**	**0**	**24**	**0**	**0**	**0**	**32**	**0**	**0**	**124**	**$ 24,205**	**$ 2,050**	**$ 13,053**		**$ 2,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 2,828**	**$ 20,928**	**$ 45,133**
TOTAL - ALL TASKS	***76***	***325***	***562***	***675***	***192***	***168***	***128***	***208***	***871***	***118***	***80***	***812***	***0***	***0***	***1012***	***1555***	***51***	***96***	***6957***	***$ 1,274,628***	***$ 131,825***	***$ 423,345***	***$ 50,000***	***$ 87,300***	***$ 23,942***	***$ 56,245***	***$ 44,243***	***$ 26,200***	***$ 6,744***	***$ 13,500***	***$ 65,764***	***$ 975,563***	***$ 2,250,191***

Signature: Carla Atwood

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