



October 2, 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 improvements to the Clackamas Industrial Area Pump Station, the Hoodland Water Resource Recovery Facility and the Willamette Pump Station. Amendment Value is \$247,054 for no time increase. Total Contract Value is \$3,849,755 for 10 years. Funding is through WES Sanitary Sewer Construction Fund. No County General Funds are involved.

Previous Board Action/Review	<ul style="list-style-type: none">• BCC approval of a contract with Murraysmith (Now Consor) for the Pump Station Rehabilitation and Upgrades – November 14, 2019• Approval of Amendment #3 – January 28, 2021• Approval of Amendment #5 – February 24, 2022• Approval of Amendment #6 – July 21, 2022• Approval of Amendment #9 – November 02, 2023• Approval of Amendment #11 – February 6, 2025		
Performance Clackamas	<ol style="list-style-type: none">1. Strategically plan and execute capital projects to meet the growth, reliability, and regulatory needs of our service area at the lowest life cycle cost.2. This project supports the County's Strategic Priority of Strong Infrastructure.		
Counsel Review	Yes	Procurement Review	Yes
Contact Person	Jessica Rinner	Contact Phone	503-742-4551

EXECUTIVE SUMMARY: WES has been working with a consultant evaluating and designing improvements to its pump stations to increase reliability, safety and operational efficiency. The project is conducted in phases that build upon each other. The first phase was to do evaluations of the existing pump stations and recommend upgrades. The next phase is for design, bidding support, and construction services which are currently underway. The pump stations are being broken into multiple construction contracts based on the types of upgrades. This amendment will add design and construction phase services for three pump stations (Clackamas Industrial Area Pump Station, the Hoodland Water Resource Recovery Facility, and the Willamette Pump Station). In total this project will have completed design and construction of upgrades to 14 different pump stations which were packaged in 10 construction contracts included in WES' 2025-2030 Capital Improvement Plan.

For Filing Use Only

RECOMMENDATION: Staff recommends that the Board of County Commissioners of Clackamas County, acting as the governing body of Water Environment Services, approve Amendment #12 for Contract #1652 with Consor North America, Inc. for improvements to the Clackamas Industrial Area Pump Station, the Hoodland Water Resource Recovery Facility, and the Willamette Pump Station.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Greg Geist", with a stylized flourish extending to the right.

Greg Geist
Director, WES

Attachment: Amendment #12 for Contract #1652 Consor North America, Inc.

AMENDMENT #12
TO THE CONTRACT DOCUMENTS WITH CONSOR NORTH AMERICA, INC. FOR 2019-55
PUMP STATION REHABILITATION AND UPGRADES
Contract #1652

This Amendment #12 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 **November 14, 2019** ("Contract").

The Purpose of this Amendment #12 is to make the following changes to the Contract:

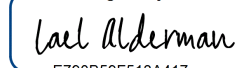
1. Article I, Section 2. **Scope of Work** is hereby amended as follows:
District has requested Contractor to perform additional design and construction phase work for the CIA Pump Station, Willamette Pump Station and Hoodland WWRF. The additional design and construction phase work are further described in Exhibit A to this Amendment #12, attached and hereby incorporated by reference.
2. Article I, Section 3. **Consideration** is hereby amended as follows:
In consideration for Contractor performing the additional design and construction phase work described in Exhibit A to this Amendment #12, District shall pay Contractor an amount not to exceed \$247,054.00. Consideration for the additional design and construction phase work is on a time and materials basis in accordance with the rates set forth in Exhibit A to this Amendment #12. The total Contract compensation shall not exceed \$3,849,755.00.

ORIGINAL CONTRACT	\$ 238,771.00
AMENDMENT #1	Allow Travel and other Expenses
AMENDMENT #2	\$ 19,992.00 + Time Extension
AMENDMENT #3	\$1,349,710.00 + Time Extension
AMENDMENT #4	\$ 46,291.00
AMENDMENT #5	\$ 476,942.00
AMENDMENT #6	\$ 347,762.00
AMENDMENT #7	Name Change
AMENDMENT #8	\$ 142,115.00
AMENDMENT #9	\$ 430,777.00
AMENDMENT #10	Scope of Work Update
AMENDMENT #11	\$ 550,341.00
AMENDMENT #12	\$ 247,054.00
TOTAL AMENDED CONTRACT	\$3,849,755.00

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 #12, effective upon the date of the last signature below.

CONSOR North America, Inc.

DocuSigned by:



8/13/2025 | 11:28:09 AM EDT

Authorized Signature

Date

Lael Alderman

Printed Name

Water Environment Services

Name

Date

Approved as to Form


County Counsel

8/21/2025

Date

Exhibit A
Additional Scope of Work

EXHIBIT I

SCOPE OF WORK

PUMP STATION REHABILITATION AND UPGRADES

DESIGN, PERMITTING, BID PERIOD AND CONSTRUCTION ENGINEERING SERVICES CLACKAMAS WES

Introduction

Clackamas Water Environmental Services (WES) has prioritized several of its pump stations (PS) and one of its water resource recovery facilities (WRRF) in need of improvements to increase reliability and operational efficiency. Schematic design development identified improvements at each facility and outlined an implementation plan for the project delivery. Design work for all the phases has been completed and most of the projects have completed construction. A summary of the projects are included below.

The District is adding improvements to the Clackamas Industrial Area (CIA) Pump Station, the Hoodland Water Resource Recovery Facility, and the Willamette Pump Station. The improvements description for each are as follows.

CIA Pump Station: Replace existing control panel and level control equipment to be consistent with control upgrades at other recent pump station modernization projects. Reconnect existing pumps, drives, and SCADA system to the new control panel.

Hoodland WRRF: Add MTS with plug receptacle to allow a temporary generator to power the facility. Extend conduit from the MTS that will be located on the outside of the building to the existing ATS inside the building.

Willamette Pump Station: Replace the existing Pump 1 with a new Flygt pump and associated piping and valves to connect it to the existing discharge piping. This will include the isolation valve, swing check valve, and discharge elbows. The existing variable frequency drive will be reconnected to the new pump. WES will purchase the pump and accessories (base elbow, mounting plate, and Minicas) directly from Flygt and provide it for the contractor to install.

The additional design and construction phase work to complete the improvements is included in this Contract Amendment as follows.

General Assumptions

- Additional design work will be added to the current design submittals for the current PSs.
- The added projects will be bid as separate packages with construction planned to be completed in 2026.

- All 13 PSs and 1 WRRF will be completed and grouped into ten (10) bid sets as follows.
 - Bid Set No. 1: River Street and Bolton FM CARV and Intertie Improvements - Complete
 - Bid Set No. 2: Bolton PS – Complete
 - Bid Set No. 3: Clackamas, Timberline Rim, and River Street PS (Group 1) – Complete
 - Bid Set No. 4: Willamette PS; Pump Three Replacement – Complete.
 - Bid Set No. 5: Gladstone PS – Complete
 - Bid Set No. 6: Mitchell Creek and Carver Pump Stations (Group 2) – In construction
 - Bid Set No. 7: Sieben Lane, South Welches, Golf Club Terrace, and 82nd Drive PS (Group 3) – Design Complete
 - Bid Set No. 8: CIA PS – Design and construction phase services included in this contract amendment.
 - Bid Set No. 9: Hoodland Water Resource Recovery Facility (WRRF) Manual Transfer Switch (MTS) Addition – Design and construction phase services included in this contract amendment.
 - Bid Set No. 10: Willamette PS; Pump One Replacement - Design and construction phase services included in this contract amendment.

District Provided Services

The District provided services already included in previous agreements are still applicable in addition to the following.

- WES will pre-purchase the pump to be installed in the Willamette Pump Station.

Consultant Provided Services

Task 1 – Project Management (Existing Task Amended)

Objective

Provide additional leadership, team coordination, and project controls for the additional design work. Complete monthly earned value tracking to monitor project health.

Consultant shall:

- Perform additional team coordination.
- Coordinate with District for design input or decisions in between design submittals.
- Update schedule with added project.
- Document key decisions in decision log.

- Prepare invoices, progress reports, and track earned value.

Deliverables

- Updated project schedule to include new bid set.
- Updated decision log related to additional work.

Assumptions

- Contract time remains at December 31st, 2026.

Task 6 – Quality Management (Existing Task Supplement)

Objective

Perform quality assurance tasks to monitor the quality of Bid Set No. 8, 9 and 10. Reviews shall be performed by senior staff independent of the design team.

Consultant shall:

- Review process and cost calculations.
- Perform QC review of deliverables prior to submitting to WES.

Deliverables

- Quality review forms during internal quality reviews.

Assumptions

- None

Task 8 – Prepare 90% Contract Documents (Existing Task Amended)

Objective

The purpose of this task is to develop 90% Contract Documents for Bid Set No. 8, 9, and 10.

Consultant shall:

- Prepare 90% Design level drawings for the three bid Sets noted in the Drawing List included in Attachment A.
- Prepare technical specifications package for each bid set.
- Prepare Class 3 Construction Cost Estimates for each bid set.
- Update construction sequence and duration estimates.

Deliverables

- 90% Design Development Drawings, see attached Drawing List in Attachment A.

- 90% Construction Specifications
- 90% Construction Cost Estimate
- Meeting agenda and summaries for 90% review workshop.

Assumptions

- Design drawings will be based on available record drawings. No additional survey is needed.

Task 9 – Prepare Bid Documents (Existing Task Amended)

Objective

Prepare final, sealed contract documents to be used for publicly bidding the pump procurement and installation contracts for Bid Set No. 8, 9, and 10.

Consultant shall:

- Address District comments and modify the contract documents to address comments.
- Prepare reproducible final documents and submit to WES.

Deliverables

- Final stamped construction documents in PDF format for the additional bid sets (three separate bid sets).
- Design drawing files in AutoCAD and PDF formats.

Task 11 - Bid Period Services (Existing Task Amended)

Objective

Provide support to WES staff during bid phase of for the additional Bid Sets (three separate sets).

Consultant shall:

- Review and respond to Bidder questions.
- Prepare technical material for addenda, as needed.
- Review bids as requested by the District.

Deliverables

- Technical material for addenda, as needed.

Assumptions

- Three (3) addenda are budgeted (total for all bid sets)

Task 12 – Construction Engineering Services (Existing Task Amended)

Objective

Provide engineering services to support the District's construction management and inspection staff during the construction of the three projects. Consultant shall:

- Participate in the pre-construction conference with the District, Contractor, Sub-Contractors and other interested parties and answer questions necessary related to the final design for the CIA and Willamette Pump Stations projects (two meetings).
- Attend weekly construction progress meetings during the course of active construction.
- Review and respond to Contractor submittals for conformance with the final design.
- Review and respond to Requests for Information (RFIs) or Clarification.
- Assist the District in evaluating contractor requests for change orders. Review and comment on the Technical aspects of the proposed changes, the effect on construction schedule, assist in negotiation of the change if necessary.
- Attend on-site meetings with WES staff and Contractor as needed during on-site construction phases.
- Perform on-site construction observations of work at CIA Pump Station including:
 - Electrical panel and conduit installation (2 visits total)
 - Final inspection of completed projects (2 visits total)
- Perform on-site construction observations of work at Hoodland WRRF MTS Addition including:
 - Conduit layout (1 visit total)
 - Final inspection of completed project (1 visits total)
- Perform on-site construction observations of work at Willamette Pump Station including:
 - Pump base layout, rebar and form work (1 total)
 - Mechanical piping and plumbing installation (2 total)
 - Final inspection of completed installation (1 total)
- Provide SCADA and PLC/HMI programming and integration for CIA Pump Station based on Control Strategy described in the Contract Documents. Test HMI programming during start up and commissioning. Provide operational modifications and resolve operational and control issues.
- Review the Startup Plan prepared by the general contractor for CIA Pump Station and provide input related to testing, commissioning and startup, completion dates for startup, system transfer over and operation of the new control system.
- Prepare record drawings (3 total sets).

Deliverables

- Pre-construction meeting agenda and summary (two meetings total).
- Submittal review comments.
- Responses to contractor RFIs.
- Change Orders recommendations and responses.
- Inspection summary reports.
- Draft and final Operations and Maintenance Manual in pdf files (4 manuals total).
- Record Drawings, full and half size pdf files and dwg files (1 set total).

Assumptions

- Four hours by the Design Engineer are allotted to each site visit to include travel and summary email.
- Budget for submittal review assumes up to 25 submittals for process equipment, control panels, and construction materials. WES will receive, review, and distribute pdf copies of submittal review comments to the Contractor.
- Budget for construction engineering support assumes up to 10 RFI responses and 5 change order requests.
- Budget assumes two on-site meetings for CIA Pump Station, one onsite meeting for Hoodland WRRF, and two onsite meetings for Willamette Pump Station. Four hours by the Design Engineer are allotted for each meeting to include travel and summary email.
- Expenses for mileage include trips with an average distance of 30 miles each at the 2025 IRS mileage rate of \$0.70/mile.
- WES will provide construction management services and daily contact with the Contractor for all projects.

Anticipated Project Milestones

Bid Set #8 - CIA Pump Station Improvements

- Design Complete – October 2025
- Preconstruction Meeting – December 2025
- Construction Submittal Review – January to February 2026
- Active Construction – August to October 2026
- Construction Complete – December 2026

Bid Set #9 - Hoodland WRRF MTS Addition

- Design Complete – August 2025
- Preconstruction Meeting – September 2025
- Construction Submittal Review – October-November 2025
- Active Construction – December 2025 to January 2026
- Construction Complete – January 2026

Bid Set #10 - Willamette Pump Station Improvements

- Design Complete – September 2025
- Preconstruction Meeting – October 2025
- Submittal Review – October 2025
- Active Construction – November 2025 to December 2025
- Construction Complete – January 2026

Attachments

- Attachment A – Drawing List

ATTACHMENT A

ADDITIONAL DRAWING LIST Pump Station Rehabilitation and Upgrades

Clackamas WES

The following list of drawings are anticipated to be added for the following bid sets as outlined in Contract Amendment 12.

Bid Set 8: Clackamas Interceptor Area (CIA) Pump Station

General (6 drawings)

Cover, Index, and Vicinity Map

Symbols and Legend

Electrical Legend, Symbols, and Abbreviations

I&C Legend, Symbols, and Abbreviations

General Notes and Abbreviations

Design Data

Mechanical (1 drawing)

Wet Well Stilling Well Plan and Details

Electrical (4 drawings)

Electrical Demolition Plan

Electrical Site Plan

Wet Well Plan

Electrical Details and Schematics

Instruments & Controls (11 drawing)

P&ID

Network Diagram

Control Panel IO List

Control Panel Layout 1
Control Panel Layout 2
Control Panel Power Distribution
Control Panel Digital Inputs
Control Panel Digital Outputs
Control Panel Analog Inputs
Control Panel Analog Outputs
Control Panel Intrinsic Safety
Control Demolition Plan

Bid Set 9: Hoodland Water Resource Recovery Facility (WRRF) Manual Transfer Switch (MTS) Addition

General (3 drawings)

Cover, Index, and Vicinity Map
Electrical Legend, Symbols, and Abbreviations
General Notes and Abbreviations

Electrical (3 drawings)

Electrical One-Line Diagram
Electrical Site Plan
Electrical Details and Schematics

Bid Set 10: Willamette PS Improvements

General (9 drawings)

Cover, Index, and Vicinity Map*
Index of Drawings
Symbols and Legend
Electrical Legend, Symbols, and Abbreviations
I&C Legend, Symbols, and Abbreviations
General Notes and Abbreviations

General Structural Notes

Quality Control Plan

Design Data Table and System Curve

Mechanical (6 drawings)

Motor Room Demolition Plan*

Pump Room Demolition Plan*

Demolition Sections

Mechanical Plan*

Mechanical Section*

Mechanical Details

Electrical (4 drawings)

Electrical Demolition Plan

One-line Diagram*

Pump Room Power Plan

Electrical Details

Structural (1 drawing)

Pump Base Details

MULTIPLE PUMP STATION REHAB PROJECT
CLACKAMAS WES
PROPOSED FEE ESTIMATE

Staff Name	Principal Engineer III	Professional Engineer VIII	Professional Engineer IV	Engineering Designer II	Engineering Designer VII	Project Coordinator IV	Cost Estimator III	Project Coordinator I	Administrative II	Hours	Labor	Subconsultants			Subconsultant Total with Markup	Expenses	Total
												Electrical	Controls	Structural			
	\$260 CraftsAda	\$241 KreipeEdw	\$156 LafrenzNic	\$124 ColesJac	\$199 EstepMat	\$175 RitzEri	\$260 GriesingerRob	\$103 SteinbergMor	\$117 EricksonNat								
Task 1 - Project Management																	
Task 1 Subtotal	30	0	18	0	0	12	0	0	12	72	\$ 14,465	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,465
Task 6 - Quality Management																	
Task 6 Subtotal	0	20	0	28	0	0	0	0	0	48	\$ 8,480	\$ -	\$ 900	\$ -	\$ 945	\$ -	\$ 9,425
Task 8 - Prepare 90% Design Documents																	
Task 8 Subtotal	16	0	60	118	44	0	4	14	0	256	\$ 40,339	\$ 15,400	\$ 7,200	\$ 500	\$ 24,530	\$ 84	\$ 64,953
Task 9 - Prepare Bid Documents																	
Task 9 Subtotal	8	0	45	49	32	0	8	6	0	148	\$ 24,840	\$ 14,320	\$ 7,200	\$ -	\$ 22,832	\$ -	\$ 47,672
Task 11 - Bid Period Services																	
Task 11 Subtotal	0	0	33	0	12	0	4	0	0	49	\$ 8,801	\$ 2,176	\$ 600	\$ -	\$ 2,915	\$ -	\$ 11,716
Task 12 - Construction Engineering Services																	
Task 12 Subtotal	16	0	234	118	28	0	0	0	0	396	\$ 62,409	\$ 14,981	\$ 18,900	\$ 500	\$ 36,100	\$ 315	\$ 98,824
TOTAL - ALL TASKS	70	20	390	313	116	12	16	20	12	969	\$ 159,333	\$ 46,877	\$ 34,800	\$ 1,000	\$ 87,322	\$ 399	\$ 247,054