



November 2, 2023

BCC Agenda Date/Item: _____

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

Approval of Amendment #9 with CONSOR North America, INC. to add upgrades for two additional pump stations in the Pump Station Rehabilitation and Upgrades Project. Amendment value is \$430,777 for 1.2 years, increasing total Contract value to \$3,052,360. Funding 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 to add \$1,349,710.00 to begin phase 2 and increase contract timeframe – January 28, 2021. • Approval of Amendment #5 to add \$476,942 for design and Engineering work for the Bolton pump station – February 24, 2022. • Approval of Amendment #6 to add \$347,762 for additional scope – July 21, 2022. • Presented at Issues – October 31, 2023. 		
Performance Clackamas	<ol style="list-style-type: none"> 1. This project supports the WES Strategic Plan to provide Enterprise Resiliency, infrastructure Strategy and Performance and Operational Optimization. 2. This project supports the County’s Strategic Plan of building a strong infrastructure that delivers services to customers and honors, utilizes, promotes and invest in our natural resources. 		
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

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phase is for design, bidding support, and construction services which is currently underway. The pump stations are being broken into multiple construction contracts based on types of upgrades. This amendment will cover adding design of upgrades to controls for two additional pump stations, Mitchell Creek and Carver, to the Project as well as additional survey work, design services, and construction engineering services to support the ongoing project.

RECOMMENDATION: Staff recommends approval of Amendment #9 for Contract #1652 with CONSOR North America, Inc. to add upgrades for two additional pump stations in the Pump Station Rehabilitation and Upgrades Project.

Respectfully submitted,



Greg Geist
WES Director

Attached: Amendment #9 for Consor Contract #1652

**AMENDMENT #9
TO THE CONTRACT DOCUMENTS WITH CONSOR NORTH AMERICA, INC. FOR 2019-55
PUMP STATION REHABILITATION AND UPGRADES
Contract #1652**

This Amendment #9 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 #9 is to make the following changes to the Contract:

1. Article 1, Section 1. **Effective Date and Duration** is hereby amended as follows:
The Contract expiration date is hereby changed from December 31, 2023 to **December 31, 2025**.

2. ARTICLE I, Section 2. **Scope of Work** is hereby amended as follows:
District is requesting Contractor to add two additional pump stations to the rehabilitation and upgrade project. The additional pump stations are the Mitchell Creek and Carver pump stations. District has requested Contractor to proceed with additional design and construction phase work for the Pump Station Rehabilitation and Upgrades project. This addition includes additional design and survey work at Golf Club Terrace Pump Station to extend the roof structure and install new water and electrical service to the station; additional survey at 82nd drive pump station force main discharge location to confirm static pumping head; replacing level sensor controls at Mitchell Creek and Carver Pump Stations; property acquisition services for Golf Club Terrace and South Welches pump stations; and construction engineering services for the Gladstone, Mitchell Creek, and Carver pump station projects. The supplemental Scope of Work, Drawing List and associated fee schedule is attached as **Exhibit J** and hereby incorporated by reference.

3. ARTICLE 1, Section 3. **Consideration** is hereby amended as follows:
Compensation for the additional design and construction phase work identified above is authorized for \$430,777.00. The total Contract consideration shall not exceed \$3,052,360.00.

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
TOTAL AMENDED CONTRACT	\$3,052,360.00

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

Signature Page to Follow

CONSOR North America, Inc.



Digitally signed by Adam
Crafts
Date: 2023.10.13
14:02:02-07'00'

Authorized Signature Date
Adam Crafts

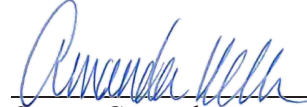
Printed Name

Water Environment Services

Chair Date

Recording Secretary

Approved as to form

 **10/16/23**

County Counsel Date

Exhibit J
Scope of Work & Fee Schedule

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) 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 begun and the first two (2) groups of PS improvement projects have entered the construction phases.

Additional design and construction phase work is required, and this work is included in this Contract Amendment.

General Assumptions

- Additional design work will be added to the current design submittals for the current PSs.
- Additional design work for two new pump stations will be added. These pump stations will be bid as a separate package as noted below.
- All 12 PSs will be completed and grouped into seven (7) bid sets as follows.
 - Bid Set No. 1: River Street and Bolton FM CARV and Intertie Improvements - Complete
 - Bid Set No. 2: Bolton PS – Design complete and under construction
 - Bid Set No. 3: Clackamas, Timberline Rim, and River Street PS (Group 1) – Design complete and under construction.
 - Bid Set No. 4: Willamette PS – Design complete and under construction.
 - Bid Set No. 5: Gladstone PS – Design complete and in bid phase. Construction phase services included in this contract amendment.
 - Bid Set No. 6: Sieben Lane, South Welches, Golf Club Terrace, and 82nd Drive PS (Group 2) – Design in progress – Additional design activities included in this contract amendment. Construction Phase Services will be included in a future amendment.

- Bid Set No. 7: Mitchell Creek and Carver Pump Stations (Group 3) – Design, bidding, and construction phase services are included in this contact amendment.

District Provided Services

The District provided services already included in previous agreements are still applicable.

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 is extended to December 30th, 2025.

Task 6 – Quality Management (Existing Task Supplement)

Objective

Perform quality assurance tasks to monitor the quality of Bid Set No. 7 for Mitchell Creek and Carver Pump Stations. 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 7 – 60% Design Development Documents (Existing Task Amended)

Objective

This task will advance the Schematic Design improvements and additional design work as outlined below. The 60% documents shall include Divisions 0 and 1, equipment, materials, and common details, standardized across bid packages, specifications for major equipment, and depict the final location and size of major components and systems. Specific activities for each PS are listed below.

Specific Activities for the Golf Club Terrance Pump Station

- Additional design for a roof structure extending from the new building over the generator.
- Additional survey and design at East Highland Road to locate the water service connection and power pole.

Specific Activities for 82nd Drive Pump Station

- Survey of force main invert elevation at discharge manhole to confirm static pumping head.

Assumptions

- General activities outlined in Contract Amendment 3 that are listed as “Applicable for all Facilities” are included in this scope of work.

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

Objective

The purpose of this task is to develop 90% Contract Documents for Bid Set 7 – Mitchell Creek and Carver Pump Stations.

Consultant shall:

- Prepare 90% Design level drawings for Bid Set #7 as noted in the Drawing List included in Attachment A.
- Prepare technical specifications package for the Mitchell Creek and Carver Pump Stations in Bid Set #7.
- Prepare Class 1 Construction Cost Estimate.
- 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 at Mitchell Creek and Carver Pump Stations (Bid Set #7). 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 Mitchell Creek and Carver Pump Stations bid set.
- Design drawing files in AutoCAD and PDF formats.

Task 10 – Permits and Approvals (Existing Task Amended)

Objective

Prepare land use documents for Golf Club Terrace and South Welches pump stations needed for approval and access to construct the projects.

Consultant shall:

- Prepare an additional land use application for Golf Club Terrace pump station that includes the electrical building replacement and proposed tree removal.
- Coordinate with the property owners at Mt. Hood Resorts for review and signature on the land use application.
- Complete an arborist report for the proposed tree removal at the Golf Club Terrace and South Welches pump stations as required by the land use planning review.

Deliverables

- Land Use Application, Narrative, and Figures for Golf Club Terrace pump station.
- Meeting agenda and notes from coordination meeting with Mt. Hood Resorts owner representatives.
- Arborist Reports for tree removal at Golf Club Terrace and South Welches pump stations.

Assumptions

- Separate land use applications will be submitted for the Golf Club Terrace and South Welches pump stations.

Task 11 - Bid Period Services (Existing Task Amended)

Objective

Provide support to WES staff during bid phase of for the additional bid set for the Mitchell Creek and Carver Pump Stations (Bid Set 7).

Consultant shall:

- Attend one (1) pre-bid conference.
- 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

- Two (2) addenda are budgeted.

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 Gladstone Pump Station and the Mitchell Creek and Carver Pump Station 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 (two meetings).
- 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 Gladstone PS including:

- Force main connection (1 visit total)
 - Electrical panel and conduit installation (2 visits total)
 - HVAC installation (1 visit total)
 - Pump base rebar and form work (1 visit total)
 - Wet well platforms and still wells (1 visit total)
 - Mechanical piping and plumbing installation (2 visits total)
 - Wet well coating substrate preparation (1 visit total)
 - Exterior stairs formwork and reinforcement (1 visit total)
 - Exterior railing installation (1 visit total)
 - Site grading and restoration (1 visit total)
 - Final inspection of completed project (1 visit total)
- Perform on-site construction observations of work at Mitchell Creek and Carver Pump Stations including:
 - Electrical panel and conduit installation at each site (2 visits total)
 - Final inspection of completed projects at each site (2 visits total)
 - Provide SCADA and PLC/HMI programming and integration for the pump stations 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 and provide input related to testing, commissioning and startup, completion dates for startup, system transfer over and operation of the new pump.
 - Prepare draft Operation and Maintenance Manual for WES and DEQ review and comment. Incorporate WES and DEQ comments into final version.
 - Prepare record drawings (2 total sets).

Deliverables

- Pre-construction meeting agenda and summary (2 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 (3 manuals total).
- Record Drawings, full and half size pdf files and dwg files (2 sets total).

Assumptions

- The budget includes 13 onsite visits for construction observations at Gladstone Pump Station and 4 visits at Mitchell Creek and Carver Pump Stations. Four hours by the Design Engineer are allotted to each visit to include travel and summary email.

- Budget for submittal review assumes up to 45 submittals for process equipment, piping, valves, 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 15 RFI responses and 3 change order requests.
- Budget for project meetings assumes 10 meetings for Gladstone and 4 for Mitchell Creek and Carver Pump Stations. 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 2023 IRS mileage rate of \$0.65.5/mile.

Task 13 – Property Acquisition Services (New Task)

Objective

Conduct property acquisition activities to obtain permanent and temporary construction easements for two parcels needed to complete construction at Golf Club Terrace and South Welches pump stations. Work will be completed in accordance with ORS 35, with reference to the “Uniform Appraisal Standards for Federal Land Acquisitions”, the Uniform Act, and County ROW acquisition policies and procedures (which are guided by the Oregon Department of Transportation (ODOT) ROW Manual).

Consultant shall:

- Hold an initial coordination meeting with County Right of Way (ROW) staff to discuss County policy and procedure and ROW acquisition strategy.
- Prepare and assemble all title documents, including vesting deeds and preliminary title reports for two parcels (#00968162 and #00971737).
- Prepare ROW parcel files and deliver a General Information Notice (GIN), acquisition and relocation brochures, and a copy of the applicable portion of the ROW Acquisition map (marked Preliminary and showing the right of way to be acquired) to all owners and occupants of affected properties.
- Consultant shall prepare and maintain a chronological Diary of Personal Contact for each file. The Diary of Personal Contact must include dates associated with the mailing of the GIN in addition to the date, place of contact, parties contacted, what was delivered and explained, and a summary of what was discussed, for all contact with affected property owners and/or their representatives.
- Collect appraisal and appraisal review for the two parcels by separate licensed appraisers who are on ODOT’s Qualified Appraisers list.
- Submit a draft Offer Packet for County review before any offers are made. All offers will be made by Consultant as County’s Buyer’s Agent.
- Conduct negotiations, on behalf of the County, in good faith and in compliance with all state laws and regulations and County policies and procedures based on Just Compensation issued by County.

- Upon acceptance by the property owner, a final report summarizing the acquisition of ROW to County for final approval, acceptance, payment, conveyance of title and recording. The Final Report Packet shall include County's Final Report and Transmittal of Documents form and all other documentation associated with the ROW activities conducted for this file.

Deliverables

- Preliminary Title Reports for two parcels.
- General Information Notice letter (2 files)
- Copy of each appraisal and appraisal review in pdf (2 files).
- Acquisition files for two parcels.
- Final acquisition report (2 files).

Assumptions

- Consultant shall mail GINs via regular mail. Consultant shall use County GIN form. Consultant shall email a copy of each GIN as a separate file to the County ROW Program Manager or Designee. County shall provide GIN form and brochures.
- Appraisals will be taking and damage appraisal formats. Appraisal reviews will include a field review of subject and sales used in the valuation process. Special Benefits, if any, must be quantified by the appraiser whether there are any compensable damages to the property.
- The County shall recommend Just Compensation based on the appraisal. Compensation shall be no less than the reviewed appraisal amount. Consultant shall also ensure the appraiser produces two additional hard copies of the appraisal for the Consultant's acquisition process.
- Offer Packets shall include offer-benefit letter, acquisition summary statements, County's Obligations Agreement if appropriate, copy of appraisal, map of acquisition, instruments of conveyance, construction plan sheet showing the file, W-9 form (if money is exchanged), and Title VI Survey Card. Offers will be made to all owners and all negotiations shall be conducted with all owners unless all owners have designated a representative in writing or are represented by legal counsel.

Anticipated Project Milestones

- Gladstone Pump Station Construction Submittal Review – July 2023
- Mitchell Creek and Carver Pump Station Design Complete – October 2023
- Golf Club Terrace and South Welches Land Use Approval – December 2023
- Mitchell Creek and Carver Pump Station Construction Complete – January 2024
- Gladstone Pump Station On-site Construction Period – June 2024 to June 2025
- Final Acceptance and Close Out December 2025

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 9.

Bid Set 7: Mitchell Creek and Carver Pump Stations

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 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

MULTIPLE PUMP STATION REHAB PROJECT
CLACKAMAS WES
PROPOSED FEE ESTIMATE

Task Name	Principal Engineer II Credits	Professional Engineer VII Credits	Professional Engineer VI Credits	Professional Engineer III Credits	Engineering Designer I Credits	Engineering Designer VI Emp	Project Coordinator IV Ritz	Cost Estimator III Grieshaber	Administrative II Striberg	Administrative III Striberg	Hours	Labor	Subconsultants						Total with Markup	Expenses	Total			
													Electrical	Controls	Arbort	Survey	Architect	Property				Land Use	Structural	
Task 1 - Project Management	84	0	0	16	0	0	12	0	2	0	126	\$ 26,884	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 26,884		
Task 6 - Quality Management	0	16	0	12	0	0	0	0	0	0	28	\$ 4,859	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,859		
Task 7 - 60% Design Development Documents	4	0	0	28	52	24	0	2	0	0	110	\$ 15,274	\$ -	\$ -	\$ -	\$ 2,300	\$ 4,000	\$ -	\$ -	\$ 3,000	\$ 9,765	\$ 35	\$ 25,074	
Task 8 - Prepare 90% Contract Documents	4	0	0	32	50	20	0	2	6	0	114	\$ 15,388	\$ 18,666	\$ 16,500	\$ -	\$ -	\$ 3,000	\$ -	\$ -	\$ 2,000	\$ 42,174	\$ -	\$ 57,562	
Task 9 - Prepare BID Documents	0	0	0	28	40	16	0	4	4	0	92	\$ 12,418	\$ 5,888	\$ 9,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,547	\$ -	\$ 28,366	
Task 10 - Permits and Approvals	16	0	0	20	24	16	0	0	0	0	76	\$ 12,927	\$ -	\$ -	\$ 3,500	\$ -	\$ -	\$ -	\$ -	\$ 19,250	\$ -	\$ 18,006	\$ 35	\$ 30,070
Task 11 - Bid Period Services	0	0	0	4	0	6	0	4	0	0	14	\$ 2,610	\$ 1,656	\$ 1,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,156	\$ -	\$ 5,797	
Task 12 - Construction Engineering Services	50	8	16	339	323	108	0	16	24	0	884	\$ 123,783	\$ 37,388	\$ 50,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 92,177	\$ 444	\$ 216,405	
Task 13 - Property Acquisition Services	16	0	0	8	0	0	0	0	0	0	24	\$ 4,908	\$ -	\$ -	\$ -	\$ 4,200	\$ -	\$ -	\$ -	\$ 26,080	\$ -	\$ 31,284	\$ 130	\$ 36,832
TOTAL - ALL TASKS	174	24	16	487	489	199	12	28	36	12	1498	\$ 217,111	\$ 63,598	\$ 77,550	\$ 8,990	\$ 6,900	\$ 7,000	\$ -	\$ 26,080	\$ 12,240	\$ 5,000	\$ 218,021	\$ 644	\$ 489,777

Center