



August 1, 2024

BCC Agenda Date/Item: _____

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

Approval of Amendment #3 with Consor North America, Inc. for the Intertie 2 Pump Station & Force Main Expansion. Amendment value is \$1,419,450. Total Contract Value is \$3,255,716. Funding through WES Sanitary Sewer Construction Fund. No County General Funds are involved.

Previous Board Action/Review	Presented at Issues – July 30, 2024.		
Performance Clackamas	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	Jeff Stallard	Contact Phone	503-742-4694

EXECUTIVE SUMMARY: The Intertie 2 Pump Station diverts flow in excess of Kellogg Creek Water Resource Recovery Facility’s (WRRF) capacity to the Tri-City WRRF. The pump station is at capacity and was constructed so that pumps can be added to increase capacity. The 30-inch Force Main from the pump station to Tri-City WRRF was partially constructed during the original construction of the pump station and force main. The purpose of this project is to construct the remaining segments of the 30-inch force main increasing the pumping capacity of the Intertie 2 Pump Station to accommodate future peak flows as identified in the Sanitary Sewer Master Plan.

The design and construction of the improvements for this system have been broken into two separate bid packages (Force Main and Pump Station). This amendment includes engineering services during construction for the force main portion of the project as well as additional design services for items that were identified during the design phase for the Force Main and Pump Station. WES anticipates an additional amendment to this contract will be required for engineering services during construction on the Pump Station bid package as was identified in the initial procurement of these services.

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 #3 for Contract #5222 with Consor North America, Inc. for the Intertie 2 Pump Station & Force Main Expansion.

Respectfully submitted,



Ron Wierenga
Deputy Director, WES

Attachment: Amendment #3 with Consor North America, Inc for Contract #5222

**AMENDMENT #3
TO THE CONTRACT DOCUMENTS WITH CONSOR NORTH AMERICA, INC. FOR
INTERTIE 2 PUMP STATION & FORCE MAIN EXPANSION
Contract #5222**

This Amendment #3 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 **March 24, 2022** (“Contract”).

The Purpose of this Amendment #3 is to make the following changes to the Contract:

1. ARTICLE I, Section 2. **Scope of Work** is hereby amended as follows:
District is requesting Contractor to perform construction support services on the Tri-City WRRF site downstream of the Intertie 2 Pump Station & Force Main Expansion Project, as a part of the Phase II services previously contemplated by the parties under the Contract. The supplemental Scope of Work for the additional construction support services is hereby attached and incorporated by reference as Exhibit E.

2. ARTICLE I, Section 3. **Consideration** is hereby amended as follows:
District is authorizing an additional \$1,419,450.00 for the additional construction support services. Contractor’s Fee Schedule is hereby attached and incorporated by reference as Exhibit F. The maximum compensation authorized under this Contract shall not exceed \$3,255,716.00.

ORIGINAL CONTRACT	\$ 1,100,708.00
AMENDMENT #1	Name Change
AMENDMENT #2	\$ 735,558.00
<u>AMENDMENT #3</u>	<u>\$ 1,419,450.00</u>
TOTAL AMENDEED CONTRACT	\$ 3,255,716.00

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

CONSOR North America, Inc.

Water Environment Services

 2024.07.09
14:28:04-07'00'

Authorized Signature Date

Chair

Michael Carr
Printed Name

Date

Approved as to Form

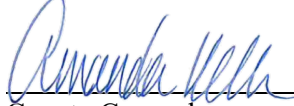
 7/9/2024
County Counsel Date

Exhibit E
Scope of Work for Phase II

SCOPE OF WORK

AMENDMENT NO. 3

IT2 PUMP STATION & FORCE MAIN EXPANSION PROJECT - FORCE MAIN CONSTRUCTION MANAGEMENT SERVICES AND PUMP STATION DESIGN SERVICES CLACKAMAS WES

Introduction

Clackamas County Water Environment Services (WES) is currently in design of the Intertie 2 Diversion Pump Station Expansion Project. Constructed in 2011, the pump station has a firm capacity of 10 million gallons per day (mgd) and features two 5-mgd and two 10-mgd submersible pumps. The station pumps to the Tri-City Water Resource and Recovery Facility (WRRF), an approximate distance of 4 miles, through a 20-inch diameter ductile iron force main. The goal of the expansion project includes adding a fifth pump with 10-mgd capacity and completing installation of the parallel 30-inch diameter pipeline.

Conсор North America, Inc. (Consultant) is currently providing engineering services for preparation of construction contract documents for the remaining 30-inch diameter force main. The project is scheduled to be bid in Spring 2024, with construction anticipated to begin in June 2024.

Under the current design phase of the project, WES has determined that the force main piping on the Tri City WRRF site downstream of the Intertie 2 force main project needs to be upsized to 30-inch diameter from the terminus of the Intertie 2 force main to the WRRF Influent Pump Station, an estimated length of 500 feet. WES has also decided to replace the undersized and obsolete main control panel at the Intertie 2 pump station. Since these improvements would be constructed concurrent with the Intertie 2 pump station improvements, WES requests the Consultant prepare additional design documents and add to the pump station improvements project's construction documents.

This scope of work includes construction support services for the force main construction project and additional design services as requested by WES. It is anticipated to be an amendment to the existing professional services contract.

General Assumptions

- Where deliverable documents are identified, hereinafter, four (4) hard copies of the deliverable will be provided in addition to an 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. Final record drawings files will be delivered to WES in AutoCAD format.

District-Provided Services

The District will provide the following services for this project:

- Provide a Project Manager who will act as point of contact during the duration of the project.
- Furnish consolidated written review comments on deliverables.
- Organize meetings with WES staff as needed to solicit input.
- Sign permit applications forms and pay fees directly to the agency.
- Quality control/assurance and third-party testing services.

Scope of Services

Task 1 - Project Management (Existing Task Supplement)

Conduct regular status meetings with District PM. Prepare monthly invoices and progress reports.

Task 1 Assumptions:

- Project duration extended 30 months beyond current contract completion date (July 2024).

Task 1 Deliverables:

- Monthly invoices with progress report, task-level budget report.

Task 2 – Quality Management (Existing Task Supplement)

Objective:

Consultant shall monitor the quality of the Project and perform internal quality assurance/quality control (QA/QC) reviews as described herein.

Activities:

- Conduct quality reviews for additional design deliverables.

Deliverables:

- Documentation of QC reviews will be provided on Consultant's standard QA/QC form, as requested.

Assumptions:

- QA/QC reviews will be performed by consultant staff not directly involved with the project design team.

Task 6 – Prepare Force Main Bid Documents (Existing Task Supplement)

Objective:

Perform additional design tasks to prepare and revise final design plans and specifications for the force main.

Activities:

- Revise plans and details to remove 30-inch force main pig retrieval pipe to existing manhole in Agnes Avenue and add force main drain line;
- Revise 30-inch force main plan and details at IT2 PS to accommodate final connection by the force main contractor; to include provisions for pigging of both force mains by the force main contractor;
- Revise force main pigging and sequencing plan specifications to include 20-inch force main;
- Prepare deliverable documents and include in final sealed contract documents.

Deliverables:

- Final sealed construction documents in PDF format
- Design drawing files in AutoCAD

Assumptions:

- Standard details will be separately bound as 8.5-inch x 11-inch sheets, provided in PDF format only.

Task 7 – Force Main Construction Permits and Approvals (Existing Task Supplement)

Objective:

Provide additional assistance to WES in obtaining permits and land use approvals from local agencies for construction of the force main project. The additional approvals are listed in Table 1 below.

Agency	Anticipated Permits
Oregon Department of Transportation	Permit to Work in the Right-of-Way (Cultural Resource Review)

Activities:

- Prepare application for Cultural Resource Review by ODOT and coordinate review work.
- Perform additional work at request of City of Oregon City to obtain ROW permit:
 - Provide new details for construction on City’s existing 4-inch waterline;
 - Provide revisions to submitted traffic control plans;
 - Prepare separate cost estimate for work within City of Oregon City ROW.

Deliverables:

- Cultural Resources Review application submittal materials in pdf format.
- Revised plans for Oregon City ROW permit application in pdf format.

Assumptions:

- WES will sign necessary application forms and pay application fees.

Task 11 – Prepare Diversion Facilities 90% Contract Documents (Existing Task Supplement)

Objective:

Prepare additional 90% Contract Documents for the additional improvements at the Intertie 2 Pump Station and Tri City WRRF.

Activities:

- Perform additional topographic survey and utility locating services at the Tri City WRRF site in the project vicinity.
- Perform a site visit at the facilities and additional hydraulic and structural analysis to support design efforts.
- Coordinate with District staff, design team and equipment vendors on replacement of the existing PLC Panel at IT2 Pump Station, and replacement of the existing 24-inch force main flow meter at Tri-City WRRF.
- Provide additional coordination with Portland General Electric regarding addition of the second generator and replacement of switchgear controls to maintain compatibility with the Dispatchable Standby Generator (DSG) program.
- Prepare 90% design level drawings and technical specifications and incorporate into the 90% contract documents submittal.

Deliverables:

- 90% Design Development Drawings, 90% Construction Specifications and draft bid documents

Assumptions:

- An additional 5 construction drawings will be prepared for the Tri City WRRF yard piping. An additional 5 drawings will be prepared for the replacement Intertie 2 PLC Panel.
- An additional 2 specification sections will be prepared. Specifications will be provided in Word and pdf format.
- Drawings will be provided in pdf format.

Task 12 – Prepare Diversion Facilities Bid Documents (Existing Task Supplement)

Objective:

Prepare additional final sealed contract documents to be used for publicly bidding the diversion facilities improvements project.

Activities:

- Address and modify the additional documents to address District review comments.
- Prepare additional documents and submit to District.

Deliverables:

- Final sealed construction documents in PDF format
- Design drawing files in AutoCAD

Assumptions:

- Standard details will be separately bound as 8.5-inch x 11-inch sheets, provided in PDF format only.

Task 13 – Diversion Facilities Construction Permits and Approvals (Existing Task Supplement)

Objective:

Assist WES in obtaining additional permits and approvals from local agencies for construction of the piping improvements at Tri City WRRF. The anticipated approvals are listed in Table 2 below.

Table 2 –Additional Permits Summary

Mary	Anticipated Permits
City of Oregon City	Building Permit Development Permit Erosion Control Permit
ODOT	Cultural Resource Review (part of ROW permit review)

[1] Building permits include structural review for equipment anchorage (S) and trade electrical (E), mechanical (M), and plumbing (P) permits from Clackamas County.

Activities:

- Coordinate with each local agency to verify applicable permits required and obtain applicable permit application forms.
- Prepare application materials and coordinate with WES for signatures.
- Submit applications on behalf of WES and coordinate with agencies for conditions of approval.
- Submit for Clackamas County Trade Permits through Development Direct using final stamped drawings. Coordinate with WES for payment.

Deliverables:

- Erosion Control Permit application submittal package.
- Building and Trade Permit application materials
- Permit plan sets in pdf format

Assumptions:

- No land use permits are anticipated to be required for improvements at Tri City WRRF.
- WES will sign necessary application forms and pay application fees.
- Wetland impacts are not anticipated.
- State or federal environmental permits are not included in the scope of work.

Task 15 – Early Equipment Procurement (Contingency Task)

- All Task 15 activities and deliverables are deleted from the Scope of Work.

Task 16 – Force Main Construction Management Services (New Task)

Objective:

Oversee construction phase activities as first point of contact for construction contractor. Coordinate with District staff and design team. Lead all project meetings and monitor project budget and schedule, quantities and quality of materials, and verify conformance with contract documents.

Subtask 16.1 Conformed Construction Documents

- Following award of the construction contract and prior to the pre-construction conference, Consultant shall prepare one set of Conformed Drawings for use by the District and Contractor. The Conformed Drawings set will consist of all contract drawings, to include all revisions made by addendum, and each sheet bearing a stamp noting it is part of the Conformed Drawings set.

Task 16.1 Deliverables

- Conformed drawings to be provided to District and Contractor in electronic format (PDF), and one (1) hard-copy set in 11x17 size.

Subtask 16.2 Construction Meetings

Attend and lead Pre-Construction Meeting. Prepare meeting agenda, run meeting, and issue meeting summary. Attend and lead weekly construction meetings. Prepare meeting agenda, run meeting, and issue meeting summary.

Subtask 16.2 Assumptions

- Four (4) consultant staff to attend Pre-Construction Meeting.
- Two (2) consultant staff to attend, lead and prepare meeting summaries for weekly construction meetings, at a combined three (3) hours per week for 28 months.

Subtask 16.2 Deliverables

- Meeting agenda and meeting summary.

Subtask 16.3 Shop Drawings and Submittals

Receive, log, distribute, review, and track submittal reviews and responses for project submittals.

Receive, log, review contractor's request for substitution of materials and equipment, and advise the District as to the acceptability of such substitutions.

Subtask 16.3 Assumptions

- Assume 100 submittals and shop drawings at an average of three (3) hours per submittal.
- Assume 15 re-submittals at one and one-half (1.5) hours each.
- Assume 2 substitution reviews at an average of eight (8) hours per request.
- Consultant will manage the administration of submittals using Procore software provided by District.

Subtask 16.3 Deliverables

- Reviewed submittals and shop drawings returned to construction contractor.

Subtask 16.4 Respond to RFIs

Receive, log, distribute, and track RFIs and respond to construction contractor.

Task 16.4 Assumptions

- 40 RFIs are assumed, with an average of four (4) hours per RFI.
- Consultant will manage the administration of RFI using Procore software provided by District.

Task 16.4 Deliverables

- Reviewed RFI responses to construction contractor.

Subtask 16.5 Construction Administration

Provide construction management and administration services to monitor that the project is completed according to the Contract Documents. Perform the following tasks.

- Coordinate and communicate with WES Project Manager and construction contractor on a regular basis to discuss project issues and status.
- Assess contractor-submitted baseline schedule, schedule updates, and 3-week look ahead schedules for feasibility and conformance with the Contract.
- Monitor overall project construction budget.

Subtask 16.5 Assumptions

- WES will receive certified payrolls for determining labor compliance and will prepare necessary documentation.
- Construction administration throughout the duration of the contract.
- District will furnish Procore software to be used for coordination of submittals and RFIs, and will operate and maintain the software for the project duration.

Subtask 16.5 Deliverables

- None.

Subtask 16.6 Construction Observation

Provide full-time construction inspection to observe construction, monitor the work by the construction contractor, and document that the work is in general compliance with the

requirements of the Contract Documents. The Construction Inspector is to act as the District's on-site representative, is responsible for routine interfacing with the construction contractor, and is to observe the construction contractor's operations and work. The Construction Inspector's activities, in general, will include the following.

- Establish pre-construction site conditions using photo and video log of sites.
- Observe/inspect the Contractor's activities, operations, and work and document the Contractor's work is in general compliance with the requirements of the contract documents.
- Monitor the Contractor's progress with respect to planned/scheduled work.
- Document the Contractor's construction activities (preparation of daily reports, photographs, etc.).
- Create field note records of bid item work performed.
- Attend and participate in weekly project meetings.
- Verify and document that traffic control is per accepted traffic control plans when on-site.
- Keep Construction Manager informed of project progress, issues, and developments.
- Review minor change requests by the Contractor.
- Observe, document, and review the Contractor-provided quality control testing.
- Observe, document, and review Owner-provided quality control testing as required.
- Utility coordination with stakeholders.
- Track force account labor and equipment/materials; issue force account sheets for additional payment when required.
- Maintain field construction records and as-built set.

Subtask 16.6 Assumptions

- Construction inspector hours estimated at 40 hours per week for 28 months.
- Design engineer observation hours estimated at four (4) hours per week for 28 months.

Subtask 16.6 Deliverables

- Daily progress reports, photos, force account documentation.

Subtask 16.7 Monthly Progress Payments

Review contractor progress payment requests and submit to WES for payment.

Task 16.7 Assumptions

- 28 monthly progress payment requests.
- Progress payment applications will be processed by WES staff following initial review and recommendation by Engineer. Applications will be processed through Procore.
- Reviews of construction contract claims and protests are outside this scope of work.

Task 16.7 Deliverables

- Quantity tracking spreadsheet.
- Contractor monthly progress estimates with recommendation to pay.

Subtask 16.8 Change Orders

Provide management and administration services for Construction Contract Change Orders:

- Coordinate and communicate with WES Project Manager and construction contractor regarding issues that result in Contract Change Orders.
- Issue Change Orders and maintain a change order log.
- Review all contract change order proposals.

Subtask 16.8 Assumptions

12 contract change orders are assumed, at 12 hours per change order.

Subtask 16.8 Deliverables

Change order documents to WES Project Manager for review and approval.

Subtask 16.9 Final Inspection & Acceptance of CRW Waterline Relocations

Provide construction management and administration services for the final inspection and acceptance of contractor-performed relocation work on CRW-owned facilities:

- Coordinate with the contractor, WES and CRW for final inspection and acceptance of the waterline relocation work performed on behalf of CRW.
- Review and verify waterline relocation testing and acceptance with CRW.
- Perform walkthrough, final inspection with CRW for all waterline relocation work.
- Coordinate formal acceptance of CRW waterline relocation work with CRW.
- Prepare for and conduct a final inspection of the waterline relocation work with representatives of CRW and WES. Prepare a “punch list” of items of work remaining to achieve final completion of the waterline relocation work and to prepare for the Districts acceptance of the project. Recommend final payments to the contractor as appropriate. Recommend procedures and timing of acceptance of the project. Advise WES, CRW and the contractor of the dates for any warranty periods as established in the contract documents.

Task 16.9 Assumptions

- 6 site visits at 2 hours per each for Engineer of Record observation review and punch list preparation.

Subtask 16.10 Final Inspection & Acceptance

Provide construction management and administration services for the final inspection and acceptance of all work required by the construction contract:

- Coordinate with the contractor and WES for all final inspections and acceptance.
- Prepare for and conduct walkthroughs of each force main segment with representatives of WES. Prepare a “punch list” of items of work remaining to allow connection of the work to the already accepted segments of pipeline. Recommend procedures and timing of connection to the existing work.
- Prepare for and conduct a final inspection of the work with representatives of WES. Prepare a “punch list” of items of work remaining to achieve final completion of the work and to prepare for WES acceptance of the project. Recommend final payments to the contractor as appropriate. Recommend procedures and timing of acceptance of the project. Advise WES and the contractor of the dates for any warranty periods as established in the contract documents.
- Identify substantial completion of the project and submit a certificate of substantial completion with WES concurrence.

Task 16.10 Assumptions

- 8 site visits at 4 hours per each for Engineer of Record observation review and punch list preparation.
- Density testing for on/offsite trenches and pavement are borne by the District.

Subtask 16.11 Record Drawings & Construction Files

Prepare record drawings of the project based upon the construction records of the contractor and Engineer’s on-site representative (electronic AutoCAD and PDF format). Compile and deliver files and reports prepared for the administration of the construction project.

Task 16.11 Deliverables

- Record Drawings to be provided as electronic copies, pdf, and AutoCAD forms.
- Construction files at project completion.

Subtask 16.12 Additional Services During Construction (Upon WES Authorization)

Provide additional services during construction, only upon prior authorization by WES. Services may include, but are not limited to, geotechnical engineering, utility locating, and participation in judicial or alternative dispute resolution procedures for claims and disputes.

Budget

Payment will be made at the billing rates for personnel working directly on the project, which will be 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 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 (allowed where one-way trip exceeds 25 miles)	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.

Proposed Project Schedule

Construction is anticipated to commence in July 2024 and be completed by December 31, 2026. For budgeting purposes, a duration of 28 months of active construction is assumed starting July 2024.

Exhibit F
Fee Schedule

AMENDMENT NO. 3 - 30" FORCE MAIN CONSTRUCTION MANAGEMENT SERVICES AND PUMP STATION DESIGN SERVICES
INTERTIE 2 PUMP STATION & FORCE MAIN EXPANSION
CLACKAMAS WATER ENVIRONMENT SERVICES
PROPOSED FEE ESTIMATE

	LABOR CLASSIFICATION (HOURS)															Hours	Labor	Subconsultants					Multiplier % Markup	Subconsultant Total with Markup	Expenses	CADD Units \$18/hr	Total	
	PM Principal Engineer IV	CM QA/QC Construction Manager X	FM EOR Professional Engineer VIII	Eng Staff Engineering Designer II	PIC Principal Engineer VI	CM Admin Technician IV	Insepector Inspector IV	Engineering Designer III	CAD Mgr Engineering Designer VII	CAD Tech Technician IV	PS EOR Professional Engineer VIII	Cost Est Cost Estimator III	Admin/Spec Project Coordinator I	Billier Administrative II	Budget Ctrl Project Coordinator III			Structural	E&IC	Survey	Geotech	Utility Locating						
	\$260	\$260	\$212	\$118	\$260	\$145	\$132	\$126	\$192	\$158	\$218	\$260	\$95	\$110	\$141													
Average Billing Rate Estimated per Classification/Staff Name	\$276 CarrMic	\$276 HedbergJay	\$225 Lucelus	\$125 IshimweJos	\$276 HickeyMat	\$154 RamosHei	\$140 SeamsterGre	\$133 CrowFre	\$204 EstepMat	\$167 HarjalaDav	\$231 KreipeEdw	\$276 GriesingerRob	\$100 SteinbergMor	\$117 EricksonNat	\$149 CutlipEri													
Task 1 - Project Management (Existing Task Supplement)																												
Task 1.1 - Conduct regular status Meetings with District PM	98		98								4																	
Task 1.2 - Prepare monthly invoices and progress reports	66		34										16	46														
Task 1.3 - Develop and maintain project decision log																												
Task 1 Subtotal	164	0	131	0	0	0	0	0	0	0	4	0	0	16	46	361	\$ 84,247	\$ -	\$ 6,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,847
Task 2 - Quality Management (Existing Task Supplement)																												
Task 2.2 - Conduct quality reviews and prepare documentation	4				4						4																	
Task 2 Subtotal	4	0	0	0	4	0	0	0	0	0	4	0	0	0	0	12	\$ 3,132	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,132	
Task 6 - Prepare Force Main Bid Documents (Existing Task Supplement)																												
Task 6.1 - Update contract documents per plan review comments	4		16	24						2	16					62	\$ 10,793											
Task 6.2 - Prepare and submit final contract documents	4		8	8						2	4		2			28	\$ 5,183											
Task 6 Subtotal	8	0	24	32	0	0	0	0	0	4	20	0	2	0	0	90	\$ 15,976	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 432	\$ 16,408
Task 7 - FM Construction Permits & Approvals (Existing Task Supplement)																												
Task 7.1 - Assist WES with obtaining construction permits	2		16	24							6					48	\$ 8,162											
Task 7 Subtotal	2	0	16	24	0	0	0	0	0	6	0	0	0	0	0	48	\$ 8,162	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108	\$ 8,270	
Task 11 - Diversion Facilities 90% Contract Documents (Existing Task Supplement)																												
Task 11.1 - Prepare 90% Design																												
11.1.1 Address 60% review comments																0	\$ -											
11.1.2 Prepare Final Hydraulics and Controls Memorandum																0	\$ -											
11.1.3 Prepare 90% drawings	16		24	40							8	4	16	2	110	\$ 19,846	\$ 7,940	\$ 16,000	\$ 3,900									
11.1.4 Review and coordinate Division 0 specifications																0	\$ -											
11.1.5 Develop draft Technical Specifications Div 01-48	2		8	8							8		2		30	\$ 5,084		\$ 5,000										
11.1.6 Update bid item list and prepare Class II Estimate																0	\$ -											
11.1.7 Update estimated construction schedule																0	\$ -											
11.1.8 Conduct one interim design meeting																0	\$ -											
11.1.9 Attend 90% design review meeting																0	\$ -											
Task 11 Subtotal	18	0	32	48	0	0	0	16	4	16	4	0	2	0	140	\$ 24,930	\$ 7,940	\$ 21,000	\$ 3,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 360	\$ 61,414	
Task 12 - Prepare Diversion Facilities Bid Documents (Existing Task Supplement)																												
Task 12.1 - Update contract documents per plan review comments	4		8	24							8	2	8	2		57	\$ 9,286		\$ 12,000									
Task 12.2 - Prepare and submit final contract documents	4		8	4							8	2	8	2		37	\$ 6,779	\$ 3,100	\$ 8,000									
Task 12 Subtotal	8	0	16	28	0	0	0	16	4	16	4	0	2	0	94	\$ 16,065	\$ 3,100	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180	\$ 41,835	
Task 13 - Diversion Facilities Construction Permits & Approvals (Existing Task Supplement)																												
Task 13.1 - Prepare ROW application materials																0	\$ -											
Task 13.2 - Prepare Erosion Control Permit applications	1		2	8							4		1		16	\$ 2,493												
Task 13.3 - Prepare building and trade permit apps for plan review	1		2	8							4		1		16	\$ 2,493	\$ 951											
Task 13.4 - Coordinate Air Quality Permitting for Generator															0	\$ -												
Task 13 Subtotal	2	0	4	16	0	0	0	8	0	0	2	0	0	0	32	\$ 4,987	\$ 951	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,033	
Task 14 - Diversion Facilities Bid Period Services (Existing Task Supplement)																												
Task 14.1 - Attend the pre-bid conference																0	\$ -											
Task 14.2 - Review and respond to Bidder questions																0	\$ -											
Task 14.3 - Prepare technical material for addenda, as needed																0	\$ -											
Task 14.4 - Review bids and provide comments																0	\$ -											
Task 14 Subtotal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Task 15 - Prepare Equipment Procurement Package (Contingency Task - DELETED)																												
Task 15 Subtotal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ (12,598)	\$ -	\$ (7,304)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20,268)	
Task 16 - Force Main Construction Management Services (New Task)																												
Task 16.1 - Confirmed Construction Documents	2		8	8	2											74	\$ 12,736											
Task 16.2 - Construction Meetings	8	8	243	121	2						2			4	382	\$ 74,764												
Task 16.3 - Shop Drawings & Submittals	8	4	123	108			100								343	\$ 59,814												
Task 16.4 - Respond to RFIs	4	4	32	72	8		20								160	\$ 27,054												
Task 16.5 - Construction Administration	8	8	390	260			130								796	\$ 144,723												
Task 16.6 - Construction Observation	8	8	243	243	4		4852								5357	\$ 771,600												
Task 16.7 - Monthly Progress Payments	4	4	28				28								64	\$ 12,811												
Task 16.8 - Change Orders	8	8	60				12								144	\$ 34,151												
Task 16.9 - Final Inspection, Acceptance of CRW Waterline Relocations	4	4	12									6	6		20	\$ 4,006												
Task 16.10 - Final Inspection, Acceptance of Project	8	8	24	8	2										50	\$ 11,367												
Task 16.11 - Record Drawings	2		2	8	2		8								172	\$ 29,074												
Task 16.12 - Additional Services (Upon WES Authorization)	16		16	16							6				48	\$ 10,019		\$ 5,000	\$ 5,000									
Task 16 Subtotal	80	96	1180	844	24	298	4852	0	8	212	0	6	10	0	7610	\$ 1,193,019	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	\$ 11,000	\$ 3,800	\$ 3,960	\$ 1,211,779
TOTAL - ALL TASKS	286	96	1403	992	28	298	4852	40	20	270	18	6	16	16	46	\$ 1,337,920	\$ 11,991	\$ 39,696	\$ 3,900	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	\$ 72,511	\$ 3,800	\$ 5,220	\$ 1,419,450