

AGREEMENT FOR ENGINEERING & DESIGN SERVICES

For

City of Deer Park Surface Water Treatment Plant

And

Remote Boost Pump Stations PLC Upgrades

This Agreement is made and entered into in Deer Park, Harris County, Texas on the 5th of May, 2026; by and between

The City of Deer Park, a Municipal Corporation in the State of Texas

And

Ardurra Group, Inc. ENGINEER(s) duly licensed, and practicing under the laws of the State of Texas.

Said Agreement being executed by the City pursuant to the City Charter, Ordinances, and Resolutions of the City Council, and by the ENGINEER for ENGINEERING services hereinafter set forth in connection with the above-designated Project for the City of Deer Park.

DEER PARK retains **Ardurra Group, Inc.** to perform ENGINEERING services related to the design and construction of the PLC Upgrades at the Surface Water Treatment Plant and Remote Boost Pump Stations, in return for consideration to be paid by DEER PARK under terms and conditions set forth below.

ARTICLE 1. SCOPE OF WORK

- 1.1 ENGINEER will provide ENGINEERING, design, consultation, project management, and other services as required to perform and complete the Scope of Work & Services specifically identified in 'Exhibit A-1' of this Agreement. The schedule of milestones and deliverables are essential terms of this Agreement.
- 1.2 If this information is incomplete or inaccurate, or if site conditions are encountered which materially vary from those indicated by DEER PARK, or if DEER PARK directs ENGINEER to change the original Scope of Work shown in Exhibit A-1, a written amendment equitably adjusting the costs, performance time and/or terms and conditions, shall be executed by DEER PARK and ENGINEER.

ARTICLE 2. COMPENSATION

- 2.1 ENGINEER bills for its services on a time and materials basis using the Schedule of Rates and Terms as outlined in Exhibit A-2 of this Agreement. As requested, ENGINEER has provided an estimate of the fees for the Work amounting to \$131,665.00. ENGINEER will not exceed that estimate without prior approval from DEER PARK. ENGINEER will notify DEER PARK, for approval, of any proposed revisions to the Schedule of Rates and effective date thereof which shall not be less than thirty (30) days after such notice.
- 2.2 ENGINEER will submit monthly invoices for Services rendered, and DEER PARK will make payment within thirty (30) days of receipt of ENGINEER'S invoices. If DEER PARK objects to all or any portion of an invoice, it will notify ENGINEER of the same within fifteen (15) days from the date of receipt of the invoice and will pay that portion of the invoice not in dispute, and the parties shall immediately make every effort to settle the disputed portion of the invoice. Prices or rates quoted do not include state or local taxes.

ARTICLE 3. DEER PARK'S RESPONSIBILITIES

- 3.1 DEER PARK will designate in writing the person or persons with authority to act on DEER PARK'S behalf on all matters concerning the work to be performed.
- 3.2 DEER PARK will furnish to ENGINEER all existing studies, reports, data and other information available to DEER PARK necessary for performance of the Work, authorize ENGINEER to obtain additional data as required, and furnish the services of others where necessary for the performance of the Work. ENGINEER will be entitled to use and rely upon all such information and services.
- 3.3 Where necessary to performance of the Work, DEER PARK shall arrange for ENGINEER to have access to any site or property.

ARTICLE 4. PERFORMANCE OF SERVICE

- 4.1 ENGINEER'S services will be performed within the schedule and time period set forth in Exhibit A-1.
- 4.2 ENGINEER shall perform the Work, and any additional services as may be required, for the development of the Project to completion.
- 4.3 If required, additional services will be performed and completed within the time period agreed to in writing by the parties at the time such services are authorized.
- 4.4 If any time period within or date by which any of ENGINEER'S services are to be performed is exceeded for reasons outside of ENGINEER'S reasonable control, all rates, measures and amounts of compensation and the time for completion of performance shall be subject to equitable adjustment.

ARTICLE 5. CONFIDENTIALITY

- 5.1 ENGINEER will hold confidential all information obtained from DEER PARK, not previously known by ENGINEER or in the public domain.

ARTICLE 6. STANDARD OF CARE & WARRANTY

- 6.1 Standard of Care. In performing services, ENGINEER agrees to exercise professional judgment, made on the basis of the information available to ENGINEER, and to perform its ENGINEERING services with the professional skill and care of competent design professionals practicing in the same or similar locale and under the same or similar circumstances and professional license. ENGINEER also agrees to perform its ENGINEERING services as expeditiously as is prudent considering this standard of care. This standard of care shall be judged as of the time and place the services are rendered, and not according to later standards.
- 6.2 Warranty. If any failure to meet the foregoing standard of care Warranty appears during one year from the date of final completion of the service and ENGINEER is promptly notified thereof in writing, ENGINEER will at its expense re-perform the nonconforming work.
- 6.3 The foregoing Warranty is the sole and express warranty obligation of ENGINEER and is provided in lieu of all other warranties, whether written, oral, implied or statutory, including any warranty of merchantability. ENGINEER does not warrant any products or services of others. ENGINEER, however, expressly acknowledges that these warranty obligations do not eliminate the applicability of the standard of care to all of its work and that the OWNER may still retain remedies against ENGINEER following the expiration of the warranty period in contract, tort, or otherwise as the law allows.

ARTICLE 7. INSURANCE

- 7.1 ENGINEER will procure and maintain insurance as required by law. At a minimum, ENGINEER will have the following coverage:
- (1) Workers compensation and occupational disease insurance in statutory amounts.
 - (2) Employer's liability insurance in the amount of \$1,000,000.
 - (3) Automobile liability in the amount of \$1,000,000.
 - (4) Commercial General Liability insurance for bodily injury, death or loss of or damage to property of third persons in the amount of \$1,000,000 per occurrence, \$2,000,000 in the aggregate.
 - (5) Professional errors and omissions insurance in the amount of \$1,000,000.

7.2 ENGINEER has provided a Statement of Insurance to DEER PARK demonstrating and reflecting that ENGINEER has procured and maintains insurance coverage in accordance with the requirements stated above. That Statement of Insurance is Attachment C of this Agreement.

ARTICLE 8. INDEMNITY

8.1 THE ENGINEER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY, ITS OFFICERS, OFFICIALS, AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, CAUSES OF ACTION, LOSSES, LAWSUITS, JUDGMENTS, FINES, PENALTIES, COSTS, DAMAGES, OR LIABILITY OF ANY CHARACTER, TYPE OR DESCRIPTION INCLUDING WITHOUT LIMITATION, ALL EXPENSES OF LITIGATION, INCLUDING EXPERT OR CONSULTANT FEES, COURT COSTS, AND ATTORNEY'S FEES, RESULTING FROM PERSONAL INJURY (INCLUDING DEATH), PROPERTY DAMAGE OR OTHER HARM, BUT ONLY TO THE EXTENT THAT SUCH PERSONAL INJURY, PROPERTY DAMAGE OR HARM IS CAUSED BY OR RESULTS FROM AN ACT OF NEGLIGENCE, INTENTIONAL TORT, INTELLECTUAL PROPERTY INFRINGEMENT, OR FAILURE TO PAY A SUBCONTRACTOR OR SUPPLIER COMMITTED BY THE ENGINEER OR THE ENGINEER'S AGENT, CONSULTANT UNDER CONTRACT, OR ANOTHER ENTITY OVER WHICH THE ENGINEER EXERCISES CONTROL.

IF THE CITY DEFENDS AN ACTION, CLAIM, LAWSUIT OR OTHERWISE INCURS ATTORNEY'S FEES AS A RESULT OF AN INDEMNIFIED CLAIM AS STATED ABOVE, ENGINEER AGREES TO REIMBURSE THE CITY IN PROPORTION TO THE ENGINEERS LAIBILITY.

8.2 ENGINEER agrees to and shall contractually require its consultants and subcontractors of any tier to assume the same indemnification obligations to Indemnities as stated herein.

ARTICLE 9. OWNERSHIP OF DOCUMENTS

9.1 As long as DEER PARK is current in the payment of all undisputed invoices, all work product prepared by the ENGINEER pursuant to this Agreement, including, but not limited to, all Contract Documents, Plans and Specifications and any computer aided design, shall be the sole and exclusive property of DEER PARK, subject to the ENGINEER's reserved rights.

9.2 ENGINEER's technology, including without limitation customary techniques and details, skill, processes, knowledge, and computer software developed or acquired by ENGINEER or its Consultants to prepare and manipulate the data which comprises the instruments of services shall all be and remain the property of the ENGINEER.

ARTICLE 10. INDEPENDENT CONTRACTOR

10.1 The ENGINEER is an independent contractor and shall not be regarded as an employee or agent of the DEER PARK.

ARTICLE 11. COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS

11.1 The ENGINEER shall observe all applicable provisions of the federal, state and local laws and regulations, including those relating to equal opportunity employment.

ARTICLE 12. SAFETY

12.1 DEER PARK shall inform the ENGINEER and its employees of any applicable site safety procedures and regulations known to DEER PARK as well as any special safety concerns or dangerous conditions at the site. The ENGINEER and its employees will be obligated to adhere to such procedures and regulations once notice has been given.

12.2 ENGINEER shall not have any responsibility for overall job safety at the site. If in ENGINEER's opinion, its field personnel are unable to access required locations or perform required services in conformance with applicable safety standards, ENGINEER may immediately suspend performance until such safety standards can be attained. If within a reasonable time site operations or conditions are not brought into compliance with such safety standards, ENGINEER may in its discretion terminate its performance, in which event, DEER PARK shall pay for services and termination expenses as provided in Article 18.

ARTICLE 13. LITIGATION

13.1 At the request of DEER PARK, ENGINEER agrees to provide testimony and other evidence in any litigation, hearings or proceedings to which DEER PARK is or becomes a party in connection with the work performed under this Agreement, unless DEER PARK and the ENGINEER are adverse to one-another in any such litigation.

13.2 Any litigation arising out of this Agreement between DEER PARK and ENGINEER shall be heard by the state district courts of Harris County.

ARTICLE 14. NOTICE

14.1 All notices to either party by the other shall be deemed to have been sufficiently given when made in writing and delivered in person, by electronic mail, facsimile, certified mail or courier to the address of the respective party or to such other address as such party may designate.

ARTICLE 15. TERMINATION

15.1 The performance of work may be terminated or suspended by DEER PARK, for any reason. Such suspension or termination shall be subject to notice of DEER PARK's election to either suspend or terminate the Agreement fifteen (15) days' prior to the effective suspension or termination date. The Notice shall specify the extent to which performance of work is suspended or terminated and the date upon which such action shall become effective. In the event work is terminated or suspended by DEER PARK prior to the completion of services contemplated hereunder, ENGINEER shall be paid for (i) the services rendered to the date of termination or suspension and reasonable services provided to effectuate a professional and timely project termination or suspension.

ARTICLE 16. SEVERABILITY

16.1 If any term, covenant, condition or provision of this Agreement is found by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of this Agreement shall remain in full force and effect, and shall in no way be affected, impaired or invalidated thereby.

ARTICLE 17. WAIVER

17.1 Any waiver by either party or any provision or condition of this Agreement shall not be construed or deemed to be a waiver of a subsequent breach of the same provision or condition, unless such waiver is so expressed in writing and signed by the party to be bound.

ARTICLE 18. GOVERNING LAW

18.1 This Agreement will be governed by and construed and interpreted in accordance with the laws of the State of Texas.

ARTICLE 19. CAPTIONS

19.1 The captions contained herein are intended solely for the convenience of reference and shall not define, limit or affect in any way the provisions, terms and conditions hereof or their interpretation.

ARTICLE 20. ENTIRE AGREEMENT

20.1 This Agreement, its articles, provision, terms, and attached Schedules represent the entire understanding and agreement between DEER PARK and ENGINEER and supersede any and all prior agreements, whether written or oral, and may be amended or modified only by a written amendment signed by both parties.

This Agreement is effective on the last day signed.

Ardurra Group, Inc.

Printed Name: _____

Title: _____

Signature: _____

Date: _____

The City of Deer Park

Printed Name: _____

Title: _____

Signature: _____

Date: _____



March 26, 2026

Mr. David Van Riper
Director of Public Works
City of Deer Park
710 East San Augustine
Deer Park, Texas 77536

Subject: Proposal to Provide Professional Engineering Services
City of Deer Park
Surface Water Treatment Plant and Remote Boost Pump Stations PLC Upgrades

Dear Mr. Van Riper:

Ardurra Group, Inc. ("Ardurra") is pleased to submit this proposal to the City of Deer Park to perform professional engineering services for design, bidding, and construction phase of PLC upgrades at City's surface water treatment plant and remote booster pump stations.

Please find the attached Exhibit A-1 which provides a detailed description of engineering and professional services for the proposed improvements.

Based on the scope of services outlined above, we have prepared a detailed level of effort fee estimate as shown on Exhibit A-2. We estimate a lump sum, not to exceed fee in the amount of **\$131,665.00** to complete the subject project.

We look forward to beginning work on this important project and appreciate the opportunity to serve the City of Deer Park. Please feel free to contact me at (713) 208-9463 or by email ysun@ardurra.com to discuss any questions you may have.

Very truly yours,

Yue Sun, P.E., BCEE
Project Principal
TBPE Firm Registration No F-10053
cc: File - Ardurra

EXHIBIT A-1 SCOPE OF SERVICES

Deer Park Surface Water Treatment Plant and the Remote Stations PLC Upgrades

Project Background and Objectives

The City of Deer Park (“City”) Surface Water Treatment Plant (SWTP) and associated remote stations currently operate with a mix of aging, obsolete, and non-standardized Programmable Logic Controllers (PLCs), along with a limited number of recently upgraded units. PLCs that have not been modernized present increasing risks to system reliability, maintainability, and long-term operational efficiency. In addition, the lack of standardization across PLC platforms complicates troubleshooting, staff training, spare parts management, and integration with the existing SCADA system.

The SWTP currently utilizes seven PLCs, five of which have been recently upgraded. The City desires to upgrade the remaining two PLCs at the SWTP, along with PLC systems at three remote stations (Coy Street, Pasadena Street, and P Street).

Ardurra Group, Inc. (“Engineer”) will provide professional engineering services for the design, bidding, and construction phases associated with the proposed PLC system improvements under this project. These services include the replacement and upgrade of two PLC racks at the SWTP and PLC systems at the three identified remote stations. The scope of work presented below describes the level of services for this project by task.

Task 1 - Project Management and Coordination

Engineer will provide overall project management and coordination services throughout the duration of the Project, including the following:

- A. Conduct a project kick-off meeting with the City via Microsoft Teams to confirm project objectives, schedule, design approach, and overall scope of work. Engineer will identify data gaps and request additional information from the City as needed.
- B. Coordinate and conduct project progress meetings via Microsoft Teams with the City during the design phase. It is assumed that up to two (2) design coordination meetings will be held.
- C. Coordinate internally with Engineer’s design team to review project progress, confirm assumptions, and meet project objectives.
- D. Perform miscellaneous project management duties including schedule tracking, budget monitoring, document control, and preparation of project invoicing and progress reports.

Task 2 - Detailed Design Phase

The design phase will include the preparation of complete plans and specifications at each milestone.

Design phase services include the following:

- A. Review available record drawings and existing facility information provided by the City.
- B. Conduct a site visit to each project location to verify control panel conditions, and evaluate the required improvements.
- C. Plans and Specifications
 1. The Design Phase will include 60 percent, 90 percent, and Final / Issued for Bid (IFB) deliverable milestones.
 2. Engineer will prepare complete Contract Documents (plans and specifications) for bidding the proposed improvements. Plans and specifications will be developed and submitted at each milestone.
 3. Engineer will use Ardurra's standard specifications, modified as necessary to accommodate project-specific requirements, City standards, and applicable regulatory requirements.
 4. Design Deliverables (Each Design Milestone)
 - a. Three (3) 11" x 17" (half-size) copies of submittal drawings, if requested by the City.
 - b. Three (3) copies of the submittal Technical Specifications, if requested by the City.
 - c. One (1) electronic copy of the Plans and Technical Specifications in PDF format.
 5. Engineer's Opinion of Probable Construction Cost (EOPCC)
 - a. Engineer will prepare an Opinion of Probable Construction Cost at the 60 percent, 90 percent, and Final design milestones.
 6. Independent Internal QA/QC Review
 - a. Engineer will perform internal quality assurance and quality control (QA/QC) reviews of design deliverables at the 60 percent, 90 percent, and Final (Issued for Bid) milestones.
 7. City's Review
 - a. Engineer will coordinate City review periods at the 60 percent and 90 percent design milestones. Engineer will compile, review, and prepare written responses to City comments and revise documents accordingly.

Task 3 - Bid Administration Phase

Engineer will provide bid phase services, including the following:

- A. Attend pre-bid conference and site walkthrough. The City will handle project advertisement and obtaining bids for construction.
- B. Prepare and issue Addenda as appropriate to clarify, correct or modify the Bid Documents.
- C. Prepare bid tabulation, evaluate bids, and submit a letter of recommendation of award.

- D. Provide a maximum of three (3) copies of the Conformed half-size plans and project Manual for City and Contractor's use during construction. Additionally, provide one (1) copy of full-size plans to the City.

Task 4 – Construction Administration Phase

Engineer will provide Construction Administration services to verify general conformance of the Contractor's work with the approved design intent.

Construction Administration services are limited to professional design support, document review, and field observation. These services do not include construction means and methods, sequencing, scheduling, safety, contractor supervision, testing, commissioning, configuration, or operational acceptance.

- A. Submittal Reviews

- 1. Review contractor submittals for conformance with approved design intent.

- B. Request for Information (RFIs)

- 1. Respond to any potential Requests for Information (RFIs) from the Contractor.

- C. Progress Meetings

- 1. Participate in construction coordination meetings virtually. It is assumed that up to six (6) progress meetings will be held. Site visits are not anticipated considering project scope.

- D. Test Witnessing

- 1. Attend and witness testing performed by the Contractor to verify system completeness and conformance with the design intent, including the following:
 - a. Engineer will attend up to two (2) one-day Witnessed Factory Acceptance Testing (WFAT) at the system supplier's location.
 - b. Engineer will witness the field wiring checkout and loop testing at each project location for a total of up to four (4) one-day trips.
 - 2. Additional witnessing required due to contractor deficiencies, incomplete work, failed tests, or non-conforming installations are excluded from this scope. Any such services, if requested, shall be considered Additional Services and performed at agreed-upon billable rates unless otherwise authorized by written amendment.
 - 3. Construction Management and Inspection services will be handled by Others.

- E. Record Drawings

- 1. Engineer will coordinate with the contractor to obtain complete record of As Built "redlines".
 - 2. Engineer will prepare Record Drawings from Contractor's As Built "redlines" in electronic format & hard copy format.
 - 3. Deliverables:
 - a. Electronic PDF of Record Drawings.
 - b. three (3) hardcopy PDFs of the Record Drawings.

F. Substantial Completion

1. Perform one Substantial Completion walk-through. It is assumed that this walk-through will be conducted during the same site visit as the Engineer’s observation of functional demonstration testing.
1. Provide a punch list form.

G. Final Completion

1. Perform one Final Completion walk-through.

H. Deliverables

1. Submittal review comments
2. RFI responses
3. Punch List Items
4. Record drawings

Task 5 – Additional Services

PLC programming are not included in this Scope of Services. The scope and associated fee for PLC programming will be developed during the Detailed Design Phase, following completion of field investigations and definition of system requirements, including I/O count, control strategies, and level of automation at each facility. Upon completion of this evaluation, Engineer will prepare a detailed scope and fee proposal for PLC programming services for the City’s review and authorization under a separate amendment.

FEE

The services will be provided on a Lump Sum basis as the project is moved towards completion. The anticipated amount for this task authorization is **\$ 131,665.00** as per fee breakdown summarized below and man-hour analysis shown in **Exhibit A-2**. The Engineer shall not incur any cost in excess of this not-to-exceed amount without prior written authorization from the City.

Exhibit A-2 Man-hour Analysis

I&C Design / Bid / Construction LOE
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Client: City of Deer Park

Project Name: Surface Water Treatment Plant and Remote Sites - PLC Upgrades

I&C Tasks	Labor	Expenses	Total
60% Design	\$ 34,636.00	\$ 1,000.00	\$ 35,636.00
90% Design	\$ 26,618.00	\$ -	\$ 26,618.00
100% Design	\$ 15,965.00	\$ -	\$ 15,965.00
Bid Phase Services	\$ 7,675.00	\$ -	\$ 7,675.00
Construction Phase Services	\$ 39,771.00	\$ 6,000.00	\$ 45,771.00
	\$ 124,665.00	\$ 7,000.00	\$ 131,665.00

Dwg ID	Sheet Title	Spec No.	Spec Title
I1	I&C Legend & Abbreviations		Front-End Documents
I2	PLC Modification Plan - SWTP - PLC 1	40 61 13	Process Control System General Provisions
I3	PLC Demolition Plan - SWTP - PLC 1	40 61 18	Application Engineering Services
I4	PLC Modification Plan - SWTP - PLC 2	40 61 20	Process Control System Submittals
I5	PLC Demolition Plan - SWTP - PLC 2	40 61 21	Process Control System Testing
I6	PLC Modification Plan - Remote Site - Coy Street	40 61 26	Process Control System Training
I7	PLC Demolition Plan - Remote Site - Coy Street	40 61 93	Process Control System Input/Output List
I8	PLC Modification Plan - Remote Site - Passdena Street	40 61 93.01	Input/Output List
I9	PLC Demolition Plan - Remote Site - Passdena Street	40 61 96	Process Control Descriptions
I10	PLC Modification Plan - Remote Site - P Street	40 61 96.01	Process Control Descriptions - PLC 1
I11	PLC Demolition Plan - Remote Site - P Street	40 61 96.02	Process Control Descriptions - PLC 2
		40 61 96.06	Process Control Descriptions - Coy Street
		40 61 96.07	Process Control Descriptions - Passdena Street
		40 61 96.08	Process Control Descriptions - P Street
		40 63 43	Programmable Logic Controllers
		40 63 43.01	PLC Schedule
		40 66 00	Network and Communication Equipment
		40 67 00	Control Panel Enclosures and Panel Equipment
		40 67 00.01	Control Panel Enclosures and Panel Equipment Schedule
		40 67 63	Uninterruptible Power Supply

List of Submittals

- 40 63 43 - PLCs
- 40 67 00 - Panels, Consoles, & Appurtenances
- 40 67 63 - UPSs
- 40 66 00 - Network Systems Data, Drawings, Reports
- Test Plans/Reports FAT, SAT, etc.
- Owner Training Lesson Plans
- I&C O&M Manuals

**Ardurra
I&C Design LOE**

I&C Design / Bid / Construction LOE

Client: City of Deer Park

Project Name: Surface Water Treatment Plant and Remote Sites - PLC Upgrades

I&C Tasks	Labor	Expenses	Total
60% Design	\$ 34,636.00	\$ 1,000.00	\$ 35,636.00
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Bid Phase Services	\$ 7,675.00	\$ -	\$ 7,675.00
Construction Phase Services	\$ 39,771.00	\$ 6,000.00	\$ 45,771.00
	\$ 124,665.00	\$ 7,000.00	\$ 131,665.00

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		40 61 96.06	Process Control Descriptions - Coy Street
		40 61 96.07	Process Control Descriptions - Passdena Street
		40 61 96.08	Process Control Descriptions - P Street
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- Owner Training Lesson Plans
- I&C O&M Manuals

Client: City of Deer Park
Project Name: Surface Water Treatment Plant and Remote Sites - PLC Upgrades

Task	I&C			Total Hours	Total Labor	Expenses	Total Labor and Expenses
	Rate	QC/Tech \$315.00	I&C Sr. Eng \$273.00				
Design Phase							
60% Design							
Drawings		4	23	47	74	\$ 15,529.00	\$ - \$ 15,529.00
Specs		4	9	19	32	\$ 6,947.00	\$ - \$ 6,947.00
Instrument Device Schedule		0	0	0	0	\$ -	\$ - \$ -
Input/Output List		1	4	7	12	\$ 2,597.00	\$ - \$ 2,597.00
Field Investigations		-	12	0	12	\$ 3,276.00	\$ 1,000.00 \$ 4,276.00
QA/QC		10	-	-	10	\$ 3,150.00	\$ - \$ 3,150.00
EOPCC		-	3	0	3	\$ 819.00	\$ - \$ 819.00
Progress Meetings		-	2	0	2	\$ 546.00	\$ - \$ 546.00
Kick Off and Deliverable Review Meetings		-	4	4	8	\$ 1,772.00	\$ - \$ 1,772.00
60% Design SubTotal		19	57	77	153	\$ 34,636.00	\$ 1,000.00 \$ 35,636.00
90% Design							
Drawings		3	18	36	57	\$ 11,979.00	\$ - \$ 11,979.00
Specs		0	7	15	22	\$ 4,461.00	\$ - \$ 4,461.00
Instrument Device Schedule		0	0	0	0	\$ -	\$ - \$ -
Input/Output List		1	3	5	9	\$ 1,984.00	\$ - \$ 1,984.00
QA/QC		18	-	-	18	\$ 5,670.00	\$ - \$ 5,670.00
EOPCC		-	2	0	2	\$ 546.00	\$ - \$ 546.00
Progress Meetings		-	2	0	2	\$ 546.00	\$ - \$ 546.00
Deliverable Review Meetings		-	4	2	6	\$ 1,432.00	\$ - \$ 1,432.00
90% Design SubTotal		22	36	58	116	\$ 26,618.00	\$ - \$ 26,618.00
100% Design							
Drawing		2	11	21	34	\$ 7,203.00	\$ - \$ 7,203.00
Specs		2	4	8	14	\$ 3,082.00	\$ - \$ 3,082.00
Instrument Device Schedule		0	0	0	0	\$ -	\$ - \$ -
Input/Output List		1	2	3	6	\$ 1,371.00	\$ - \$ 1,371.00
QA/QC		10	-	-	10	\$ 3,150.00	\$ - \$ 3,150.00
EOPCC		-	1	0	1	\$ 273.00	\$ - \$ 273.00
Progress Meetings		-	0	0	0	\$ -	\$ - \$ -
Deliverable Review Meetings		-	2	2	4	\$ 886.00	\$ - \$ 886.00
100% Design SubTotal		15	20	34	69	\$ 15,965.00	\$ - \$ 15,965.00
Bid Phase							
Answer questions from contractors & vendors		-	4	-	4	\$ 1,092.00	\$ - \$ 1,092.00
Prepare Addenda		-	4	-	4	\$ 1,092.00	\$ - \$ 1,092.00
Bid tabulation, evaluate bids, letter of recommendation of award		-	12	-	12	\$ 3,276.00	\$ - \$ 3,276.00
Conformed to Bid Drawings		-	5	5	10	\$ 2,215.00	\$ - \$ 2,215.00
Bid Phase Sub-Total		0	25	5	30	\$ 7,675.00	\$ - \$ 7,675.00
Construction Phase Services							
Review Contractor's Submittals		-	35	22	57	\$ 13,295.00	\$ - \$ 13,295.00
Respond to RFIs		-	8	4	12	\$ 2,864.00	\$ - \$ 2,864.00
Prepare Change Order Doc & Evaluate Contractor Proposals		-	0	0	0	\$ -	\$ - \$ -
Prepare As-Builts from Contractor's redline markups		-	6	4	10	\$ 2,318.00	\$ - \$ 2,318.00
Attend 6 progress meetings		-	6	0	6	\$ 1,638.00	\$ - \$ 1,638.00
Witness Factory Acceptance Testing		-	24	0	24	\$ 6,552.00	\$ 2,000.00 \$ 8,552.00
Witness Wiring Checkout & Loop Testing		-	36	0	36	\$ 9,828.00	\$ 3,000.00 \$ 12,828.00
Witness Site Acceptance Testing		-	0	0	0	\$ -	\$ - \$ -
Substantial Completion Site Visit & Punchlist		-	0	0	0	\$ -	\$ - \$ -
Final Completion Site Visit		-	12	0	12	\$ 3,276.00	\$ 1,000.00 \$ 4,276.00
Construction Phase SubTotal		0	127	30	157	\$ 39,771.00	\$ 6,000.00 \$ 45,771.00
I&C Design/Bid/Construction Services Total		56	265	204	525	\$ 124,665.00	\$ 7,000.00 \$ 131,665.00