

February 1, 2024

Mr. John Hoffman
Engineering Coordinator
City of Aurora
77 South Broadway Avenue
Aurora, Illinois 60506

**RE: Proposal for Professional Services
2024-2025 CSO DMR Preparation**

Dear Mr. Hoffman:

Fehr Graham is pleased to provide you with this proposal for the following services.

SCOPE OF SERVICES

The City of Aurora (City) has 16 permitted combined sewer outfalls (CSOs) that are monitored continuously in accordance with its National Pollutant Discharge Elimination System (NPDES) permit. Fehr Graham will provide professional services to assist the City in complying with their NPDES permit special conditions associated with these CSOs. More specifically, we will perform regular monitoring of the CSOs and assist in the preparation of monthly Discharge Monitoring Reports (DMRs) of CSO events for submittal to the Illinois Environmental Protection Agency (IEPA) from February 2024 through December 2025.

The project scope includes the following:

- » Data retrieval and field inspection of CSO meter locations twice a month.
- » Obtain rainfall data from Engineer's rain gauge located at 230 Woodlawn Avenue.
- » Obtain data from Fox Metro Water Reclamation District about any monthly discharges from the City's CSO Treatment Facility located at 400 N. Broadway.
- » Review and QA/QC CSOs monitoring data and recorded rainfall data each month.
- » Review and QA/QC CSOs monitoring data weekly after real-time monitoring of each site is available.
- » Prepare monthly DMRs for City's submittal to IEPA.
- » Verify the inverts of each CSO discharge weir.
- » Install new flow meters. Installations require a 2-man confined space installation. Photos will be taken of the internal CSO structures during installation.
- » Perform routine flow meter maintenance including cleaning and replacement of sensors as needed. 64 manhours have been budgeted for this task. Direct costs for sensor or meter repairs/replacement will be paid directly by the City to the equipment manufacturer and are not included in this proposal.
- » Purchase, replace, and properly dispose of flow meter batteries and desiccants twice a year.

EXCLUSIONS

The following items are **not** included in the scope of services:

- » Submission of reports to IEPA.
- » Additional sensor or meter equipment replacement costs.
- » Additional monitoring sites.
- » Installation of in-street antennas.
- » Installation of solar panels, solar panel enclosures, and solar panel batteries.

FEES

The above-described services can be performed on a time and material basis with a not-to-exceed \$178,000 fee. Staff charge-out rates will be adjusted annually and with promotions.

Payment for the services rendered will be requested via a monthly invoice.

Equipment

Direct purchase of new flow monitoring equipment will be included in this contract. A quote has been solicited from the existing flow monitoring equipment vendor and is attached to this proposal. The quoted price for equipment is \$163,560. The City will be billed based on the actual cost of the equipment plus the labor to order and process the invoice. An additional markup will not be included.

The following scope of equipment is proposed:

- » 15 flow monitoring modules with battery boxes and LTE Antennas plus one (1) spare module with battery box and LTE antenna.
- » 15 flow monitoring sensors with adequate cord length per site plus three (3) spare sensors stock cord length.
- » Eight (8) In-street antennas for remote monitoring.
- » One (1) Manhole mounted antenna.
- » Flowlinc Cipher software for remote monitoring (one year).
 - Additional annual renewals to be invoiced directly to the City.

Fee Summary	
Engineering Services	\$178,000
Equipment	\$163,560
Total	\$341,560

Exclusions

The following items are not included the proposal:

- » Solar panels, solar batteries, and enclosures (equipment and installation)
- » Antenna installation labor

SCHEDULE

- » CSO retrievals and inspections will occur twice per month.
- » Meter replacements will be scheduled as the equipment is purchased.
- » DMRS will be submitted to the City by the 15th of every month.
- » Services will be provided beginning in February 2024 and extending through December 2025.

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Mr. John Hoffman, City of Aurora
2024-2025 CSO DMR Preparation
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AUTHORIZATION

We appreciate the opportunity to provide you with this proposal. If this proposal meets your approval, please sign the attached Agreement for Professional Services. Your signature will serve as authorization to proceed.

If you have any questions or need clarification on any of the above, please do not hesitate to call. We look forward to working with you on this project.

Respectfully submitted,



Chris DeSilva, PE, ENVSP
Branch Manager

Enclosures

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Client John Hoffman
City of Aurora
77 South Broadway Avenue
Aurora, Illinois 60506

Description of Services:

Proposal for Professional Services - 2024-2025 CSO DMR Preparation

Fehr Graham will complete the scope of services as outlined in the proposal dated February, 2024, included herein.

COST: You will be billed on a time and material basis as per the annually established fee schedule.

The fee for performing the above services is estimated to be \$341,560

The attached General Conditions are incorporated into and made a part of this Agreement.

ACCEPTED AND AGREED TO:

I/we, the undersigned, authorize Fehr Graham to provide services as outlined above, and also agree that I/we are familiar with and
ACCEPT THE TERMS OF THE ATTACHED GENERAL CONDITIONS.

CLIENT:	CONSULTANT:
Signature	By
Name	Name
Title	Title
Date Accepted	Date Proposed


Mick Gronewold, P.E.

Principal

February 1, 2024

23-1651

GENERAL CONDITIONS TO AGREEMENT FOR PROFESSIONAL SERVICES

1. The Client requests the professional services of Fehr Graham hereinafter called "The Consultant" as described herein.
2. The Consultant agrees to furnish and perform the professional service described in this Agreement in accordance with accepted professional standards. Consultant agrees to provide said services in a timely manner, provided, however, that Consultant shall not be responsible for delays in completing said services that cannot reasonably be foreseen on date hereof or for delays which are caused by factors beyond his control or delays resulting from the actions or inaction of any governmental agency. Consultant makes no warranty, expressed or implied, as to his findings, recommendations, plans and specifications or professional advice except that they were made or prepared in accordance with the generally accepted engineering practices.
3. It is agreed that the professional services described in the Agreement shall be performed for Client's account and that Client will be billed monthly for said services. The City will approve and pay approved portions of all invoices in accordance with the Local Government Prompt Payment Act ("the Act"). Interest and penalties on approved but unpaid portions shall accrue in the manner and to the extent provided in the Act.
4. The Client and the Consultant each binds himself, his partners, successors, executors, and assigns to the other party to this agreement and to the partners, successor, executors, and assigns of such other party in respect to this agreement.
5. The Client shall be responsible for payment of all costs and expenses incurred by the Consultant for his account, including any such monies that the Consultant may advance for Client's account for purposes consistent with this Agreement.
6. The Consultant reserves the right to withdraw this Agreement if not accepted within 30 days.
7. A claim for lien will be filed within 75 days of the date of an invoice for services (last day of services rendered) unless the account is paid in full or other prior arrangements have been made.
8. The Consultant shall present, for the consideration of the Client, engineering and technical alternatives, based upon its knowledge and experience in accordance with accepted professional standards, with selection of alternatives and final decisions as requested by the client to be the sole responsibility of the Client.
9. Construction Phase Activities (When applicable) - In connection with observations of the work of the Contractor(s) while it is in progress the Consultant shall make visits to the site at intervals appropriate to the various stages of construction as the Consultant deems necessary in Agreement to observe as an experienced and qualified design professional the progress and quality of the various aspects of the Contractor(s)'s work. Based on information obtained during such visits and on such observation, the Consultant shall endeavor to determine in general if such work is proceeding in accordance with the Contract Documents and the Consultant shall keep the Client informed of the progress of the work.

The purpose of the Consultant's visits to the site will be to enable the Consultant to better carry out the duties and responsibilities assigned to and undertaken by the Consultant during the Construction Phase, and, in addition, by exercise of the Consultant's efforts as an experienced and qualified design professional, to provide for the Client a greater degree of confidence that the completed work of the Contractor(s) will conform generally to the Contract Documents and that the integrity of the design concept as reflected in the Contract Documents has been implemented and preserved by the Contractor(s). The Consultant shall not, during such visits or as a result of such observations of Contractor(s)' work in progress, supervise, direct or have control over Contractor(s)' work nor shall the Consultant have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected by Contractor(s), for safety precautions and programs incident to the work of Contractor(s) or for any failure of Contractor(s) to comply with laws, rules, regulations, ordinances, codes, or orders applicable to Contractors(s) furnishing and performing their work. Accordingly, the Consultant can neither guarantee the performance of the construction contracts by Contractor(s) nor assume responsibility for Contractor(s)' failure to furnish and perform their work in accordance with the Contract Documents.

10. Estimates of Fees – When fees are on a time and material basis the estimated costs required to complete the services to be performed are made on the basis of the Consultant's experience, qualifications, and professional judgment, but are not guaranteed. If the costs appear likely to exceed the estimate in excess of 20%, the Consultant will notify the Client before proceeding. If the Client does not object to the additional costs within seven (7) days of notification, the increased costs shall be deemed approved by the Client.
11. The Consultant is responsible for the safety on site of his own employees. This provision shall not be construed to relieve the Client or the Contractor(s) from their responsibility for maintaining a safe work site. Neither the professional services of the Consultant, nor the presence of his employees or subcontractors shall be construed to imply that the Consultant has any responsibility for any activities on site performed by personnel other than the Consultant's employees or subcontractors.
12. Original survey data, field notes, maps, computations, studies, reports, drawings, specifications and other documents generated by the Consultant are instruments of service and shall remain the property of the Consultant. The Consultant shall provide copies to the Client of all documents specified in the Description of Services.

Any documents generated by the Consultant are for the exclusive use of the Client and any use by third parties or use beyond the intended purpose of the document shall be at the sole risk of the Client. To the fullest extent permitted by law, the Client shall indemnify, defend and hold harmless the Consultant for any loss or damage arising out of the unauthorized use of such documents.

13. No claim may be asserted by either party against the other party unless an action on the claim is commenced within two (2) years after the date of the Consultant's final invoice to the Client.
14. If a Client's Purchase Order form or acknowledgment or similar form is issued to identify the agreement, authorize work, open accounts for invoicing, provide notices, or document change orders, the preprinted terms and condition of said Purchase Order shall be superseded by the terms hereof.
15. Standard of Care – Services performed by Consultant under this agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other representation expressed or implied, and no warranty or guarantee is included or intended in any report, opinion or document under this agreement.
16. Liability Insurance – Consultant will maintain such liability insurance as is appropriate for the professional services rendered as described in this Agreement. Consultant shall provide Certificates of Insurance to Client, upon Client's request, in writing.
17. Indemnification and Limitation of Liability – Consultant agrees to indemnify and hold the Customer harmless, including its respective officers, elected officials, employees, agents, members, and representatives, from and against liability for all claims, costs, losses, damages and expense, including reasonable attorney's fees, to the extent such claims, losses, damages or expenses are caused by the indemnifying party's acts, errors or omissions. Neither by insurance nor indemnification does the City waive any privilege or immunity which may be available to it at law.

The Client understands that for the compensation herein provided Consultant cannot expose itself to liabilities disproportionate to the nature and scope hereunder. Therefore, the Client agrees to limit Consultant's liability to the Client arising from Consultant's professional acts, errors or omissions, such that the total aggregate liability of Consultant shall not exceed Consultant's total fee for services rendered on this Project.

18. Allocation of Risk – Consultant and Client acknowledge that, prior to the start of this Agreement, Consultant has not generated, handled, stored, treated, transported, disposed of, or in any way whatsoever taken responsibility for any toxic substance or other material found, identified, or as yet unknown at the Project premises. Consultant and Client further acknowledge and understand that the evaluation, management, and other actions involving toxic or hazardous substances that may be undertaken as part of the Services to be performed by Consultant, including subsurface excavation or sampling, entails uncertainty and risk of injury or damage. Consultant and Client further acknowledge and understand that Consultant has not been retained to serve as an insurer of the safety of the Project to the Client, third parties, or the public.

Client acknowledges that the discovery of certain conditions and/or taking of preventative measures relative to these conditions may result in a reduction of the property's value. Client releases Consultant from any claim for damages resulting from or arising out of any pre-existing environmental conditions at the site where the work is being performed which was not directly or indirectly caused by and did not result from, in whole or in part, any act or omission of Consultant or subcontractor, their representatives, agents, employees, and invitees.

If, while performing the Services set forth in any Scope of Services, pollutants are discovered that pose unanticipated or extraordinary risks, it is hereby agreed that the Scope of Services, schedule, and costs will be reconsidered and that this Agreement shall immediately become subject to renegotiation or termination. Client further agrees that such discovery of unanticipated hazardous risks may require Consultant to take immediate measures to protect health and safety or report such discovery as may be required by law or regulation. Consultant shall promptly notify Client upon discovery of such risks. Client, however, hereby authorizes Consultant to take all measures Consultant believes necessary to protect Consultant and Client personnel and the public. Furthermore, Client agrees to compensate Consultant for any additional costs associated with such measures.

19. In the event of legal action to construe or enforce the provisions of this agreement, the prevailing party shall be entitled to collect reasonable attorney fees, court costs and related expenses from the losing party and the court having jurisdiction of the dispute shall be authorized to determine the amount of such fees, costs and expenses and enter judgment thereof.
20. Termination – The obligation to provide further services under this Agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party. In the event of any termination, Consultant will be paid for all services rendered to the date of receipt of written notice of termination, at Consultant's established chargeout rates, plus for all Reimbursable Expenses including a 15% markup.
21. Provision Severable – The unenforceability or invalidity of any provisions hereof shall not render any other provisions herein contained unenforceable or invalid.
22. Governing Law and Choice of Venue – Client and Consultant agree that this Agreement will be governed by, construed, and enforced in accordance with the laws of the State of Illinois. If there is a lawsuit, Client and Consultant agree that the dispute shall be submitted to the jurisdiction of the Illinois District Court in and for Kane County, Illinois.



PROPOSAL

TO: Fehr Graham
230 Woodlawn Ave
Aurora, IL 60506

DATE: January 26, 2024

PROJECT: City of Aurora – Flow Monitoring

ATTN: Alex Hoppes
Email: ahoppes@fehrgraham.com

Phone # :

Fax # :

The seller hereby offers the following equipment subject to all terms & conditions noted on this contract:

We are pleased to offer the following equipment for your consideration on the above named project.

<u>Qty</u>	<u>Description</u>
1	ISCO Equipment Package as specified below per CSO site:
<u>Site</u>	<u>Equipment Details by Location</u>
#10	<p>(1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.</p> <p>(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.</p> <p>(1) - External Power and Modbus Communication Cable – 25 ft.</p> <p>(1) - In-street Antenna with SMB connectors for CDMA, GSM AND LTE modems in 2100Ci, 2103 Gi, 2105 Ci, 2105 Gi, Signature, 6712 Ci, 6712 Gi, 677 Ci and 677 Gi.</p>
#15	<p>(1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.</p> <p>(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.</p> <p>(1) - In-street Antenna with SMB connectors for CDMA, GSM AND LTE modems in 2100Ci, 2103 Gi, 2105 Ci, 2105 Gi, Signature, 6712 Ci, 6712 Gi, 677 Ci and 677 Gi.</p>

#8 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.

(1) - In-street Antenna with SMB connectors for CDMA, GSM AND LTE modems in 2100Ci, 2103 Gi, 2105 Ci, 2105 Gi, Signature, 6712 Ci, 6712 Gi, 677 Ci and 677 Gi.

#18 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.

(1) - In-street Antenna with SMB connectors for CDMA, GSM AND LTE modems in 2100Ci, 2103 Gi, 2105 Ci, 2105 Gi, Signature, 6712 Ci, 6712 Gi, 677 Ci and 677 Gi.

#17 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.

(1) - In-street Antenna with SMB connectors for CDMA, GSM AND LTE modems in 2100Ci, 2103 Gi, 2105 Ci, 2105 Gi, Signature, 6712 Ci, 6712 Gi, 677 Ci and 677 Gi.

#4 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENET™ 350 Ex AREA VELOCITY SENSOR. 10 ft (3.0 m) MEASUREMENT RANGE WITH 75 ft (23 m) CABLE. INCLUDES TIENET CONNECTOR FOR CONNECTION TO 2160, PORTABLE SIGNATURE OR DURA TRACKER. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier(604854014)

(1) - External Power and Modbus Communication Cable – 25 ft.

#1 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.

(1) - In-street Antenna with SMB connectors for CDMA, GSM AND LTE modems in 2100Ci, 2103 Gi, 2105 Ci, 2105 Gi, Signature, 6712 Ci, 6712 Gi, 677 Ci and 677 Gi.

#5 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet™ 350 Ex Area Velocity sensor. 10 ft (3.0 m) measurement range with 98ft cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier

(1) - External Power and Modbus Communication Cable – 25 ft.

(1) - TIENet® Network Expansion Box with Desiccator, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). The expansion box supports multiple connections at its internal terminal connections. Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The desiccator supports TIENet devices which require reference air. The expansion box includes two plugs for unused ports.

(1) - TIENet Connector Extension Cable, 10 m (33 ft) length. TIENet plug on one end, bare wires on the other. Used in conjunction with a TIENet expansion box to connect the expansion box to a controller with a TIENet socket

Solar Panels, Enclosures and Battery by Others

#21 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.

(1) - External Power and Modbus Communication Cable – 25 ft.

(1) - In-street Antenna with SMB connectors for CDMA, GSM AND LTE modems in 2100Ci, 2103 Gi, 2105 Ci, 2105 Gi, Signature, 6712 Ci, 6712 Gi, 677 Ci and 677 Gi.

#23 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet™ 350 Ex Area Velocity sensor. 10 ft (3.0 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier

(1) - External Power and Modbus Communication Cable – 25 ft.

(1) - TIENet® Network Expansion Box with Desiccator, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). The expansion box supports multiple connections at its internal terminal connections. Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The desiccator supports TIENet devices which require reference air. The expansion box includes two plugs for unused ports.

(1) - TIENet Connector Extension Cable, 10 m (33 ft) length. TIENet plug on one end, bare wires on the other. Used in conjunction with a TIENet expansion box to connect the expansion box to a controller with a TIENet socket

*****Solar Panels, Enclosures and Battery by Others*****

#2 (1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet™ 350 Ex Area Velocity sensor. 10 ft (3.0 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier

(1) - External Power and Modbus Communication Cable – 25 ft.

(1) - TIENet® Network Expansion Box with Desiccator, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). The expansion box supports multiple connections at its internal terminal connections. Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable connections, order cord grip fittings as needed. The desiccator supports TIENet devices which require reference air. The expansion box includes two plugs for unused ports.

(1) - TIENet Connector Extension Cable, 10 m (33 ft) length. TIENet plug on one end, bare wires on the other. Used in conjunction with a TIENet expansion box to connect the expansion box to a controller with a TIENet socket

*****Solar Panels, Enclosures and Battery by Others*****

#3

(1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.

(1) - In-street Antenna with SMB connectors for CDMA, GSM AND LTE modems in 2100Ci, 2103 Gi, 2105 Ci, 2105 Gi, Signature, 6712 Ci, 6712 Gi, 677 Ci and 677 Gi.

#22

(1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet® 310 Ultrasonic Level sensor with 32.8 ft (10 m) cable with TIENet plug. For use with Signature® portable flowmeters and as a remote level sensor for the TIENet 360 LaserFlow™ sensor. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier.

(1) - SPA 1820. Manhole-mounted Antenna. This bolt-on antenna mounts to the top of a manhole cover. This 6 inch wide by 0.705 inch tall antenna has a 0.75 by 4 inch threaded shank that secures the antenna through a 0.75 inch hole in the manhole cover. Includes special tool to tighten the mounting hardware. For use with 2103Ci/2103C/2105Gi, 2105Ci/2105C/2105G, and 6712ci/6712C/6712G modems with an SMB connector. Note: When using "ci" equipment, the 60-4804-035 magnetic mount antenna is recommended for optimal performance.

#25

(1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet™ 350 Ex Area Velocity sensor. 10 ft (3.0 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier

(1) - External Power and Modbus Communication Cable – 25 ft.

(1) - TIENet® Network Expansion Box with Desiccator, with 10 ft (3.05 m) TIENet® cable which connects to a Signature® meter or another TIENet Network Expansion Box in a daisy-chain configuration. Rated IP 67 (NEMA 4X, 6). The expansion box supports multiple connections at its internal terminal connections. Connections may be routed through three available ports. A TIENet® Option Card may also be mounted in the expansion box. An option card limits the available ports to one. May be used with conduit or cable connections. If installed with cable

connections, order cord grip fittings as needed. The desiccator supports TIENet devices which require reference air. The expansion box includes two plugs for unused ports.

(1) - TIENet Connector Extension Cable, 10 m (33 ft) length. TIENet plug on one end, bare wires on the other. Used in conjunction with a TIENet expansion box to connect the expansion box to a controller with a TIENet socket

*****Solar Panels, Enclosures and Battery by Others*****

#25B

(1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(1) - TIENet™ 350 Ex Area Velocity sensor. 10 ft (3.0 m) measurement range with 75 ft (23 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. The Signature meter must have a desiccator installed for proper operation. Order 604304092 if needed. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier

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(1) - TIENet Connector Extension Cable, 10 m (33 ft) length. TIENet plug on one end, bare wires on the other. Used in conjunction with a TIENet expansion box to connect the expansion box to a controller with a TIENet socket

*****Solar Panels, Enclosures and Battery by Others*****

Stock

(1) - DuraTracker with Battery Box, Global LTE modem, LTE Antenna, Lantern Battery Holders, Suspension Strap.

(3) - TIENet™ 350 Ex Area Velocity sensor. 10 ft (3.0 m) measurement range with 32 ft (10 m) cable. Includes one TIENet cord grip fitting (209-0073-12) for watertight sensor cable connection to the Signature® meter in non-conduit applications. Suitable for monitoring flows in Group II, Category 2 Zone 1, Gas Group IIB hazardous areas when connected to the Signature through the 60-4364-112 TIENet barrier(604854010)

1

Flowlink Cipher for **15 active sites** with first year ICell subscription for Cellular service with 10MB/month data and 25 SMS/month. Customer contact details required: Name, Email and Phone number. The customer acknowledges that Teledyne ISCO is the sole point of contact for ICell subscription customer service. Price included is per site per year.

Total Investment including freight will be: \$163,560.00

Adder Option 1:

1 SPA 1347. Solar Panel with bracket, 40 watts, for use with customer supplied battery; 100 amp-hour or greater recommended. Includes pole mount bracket and an 8 ft cable with two 5/16-inch terminal lugs for connection to lead acid battery. Does not include a 12 VDC connect cable from the battery to an ISCO device.

*****Battery, Cabinet Enclosures, and Installation by Others*****

Total cost per site: \$1,753.00

Adder Option 2:

1 Installation: GAI services for two (2) service technicians to perform the removal and installation of the ISCO flow monitoring equipment.

Total estimated cost per day: \$4,000.00

This proposal and the attached terms and conditions cannot be modified in any way except by expressed written approval of Gasvoda & Associates, Inc.

TERMS: 100% 30 days NET.

FREIGHT: F.O.B. factory, allowed to jobsite. Prepay and add to invoice

START-UP: 0 day(s) start up is included. Additional start up, if required, will be billed at our standard rate.

TAXES: ALL applicable taxes must be added.

SUBMITTAL DATA: to weeks after receipt of order

DELIVERY: 6 to 8 weeks after approval and authorization to proceed.

DURATION: This proposal is valid for 30 days after which we reserve the right to review or withdraw.

GASVODA & ASSOCIATES, INC.

ACCEPTED:

(Authorized signature)

BY: Matt Jurjovec, PE

Title: _____

Matt Jurjovec, PE – Sales Engineer
mjurjovec@gasvoda.com

Date: _____

1530 Huntington Drive / Calumet City, Illinois 60409 / Tel. 708-891-4400 / Fax: 708-891-5786**AUTHORIZATION TO PROCEED:**

Authorization to proceed with placing the proposed equipment on order must be acknowledged by the return of this document properly executed where required. Such acknowledgment will be considered as your acceptance of this proposal understanding the terms stated above and on the reverse side of this proposal. No submittals will be started and no equipment will be released to manufacturing prior to our receiving your formal authorized return of this document.

Thank you for the opportunity to provide our proposal. Please do not hesitate to call with any further questions or requirements.

Please be sure to fill in the required **“Ship To”** information below and return it at the time of placing your order. Failure to do so will result in shipment of the equipment to the Buyers address.

BILL TO: _____

SHIP TO: _____

PURCHASE ORDER NUMBER: _____

SPECIAL MARKINGS: _____

TAXABLE: _____

TAX ID#: _____