

# FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

December 15, 2021

Mr. Adam Lanning  
Utilities Superintendent  
Rochelle Municipal Utilities  
333 Lincoln Highway  
Rochelle, IL 61068

**Re: Proposal for Professional Engineering Services  
Well 4 Site, Elevated Tank Painting Project**

Dear Adam,

The general purpose of the project is to provide design services for a re-paint of the 1.0 million-gallon water tower in conformance with AWWA requirements. Additionally, we understand Rochelle Municipal Utilities (herein referred to as RMU) wishes to make several repairs/improvements to this tower. A total construction cost was developed nearly two years ago at \$750,000.

## SCOPE OF SERVICES

The following is our proposed scope of services and our estimate of fees to complete these tasks.

1. Obtain and review tank/site construction record drawings and inspection reports (if available) from RMU as a basis of design.
2. Obtain limited survey information to supplement record drawings. Particular attention will be paid to verify horizontal clearances around the property.
3. Provide design details and specifications on the various repairs/improvements to the tank structure.
4. Provide design details and specifications for painting of 100% of tower features including:
  - a. Full abrasive blasting of interior dry, interior wet and exterior with containment on the exterior.
  - b. Containment system details and specifications.
  - c. Repairs and other improvements as identified by Inspection Report prepared by Pittsburg Tank & Tower Group, 2/13/19
  - d. Tank cleaning specifications.
  - e. Coating system specifications for interior dry, interior wet and exterior.
  - f. Method and warranty specifications.
  - g. Disinfection specifications.
  - h. Logo design and specifications (assuming a match to the Hayes Road tower).
5. Preparation of bidding documents and opinion of probable cost.
6. Solicitation of construction bids on behalf of RMU. Fehr Graham will manage bidding process, attend bid opening and prepare tabulation of bids form and recommendation letters for contract award.
7. Facilitation and execution of contract documents with awarded contractor
8. Limited and part-time construction observation and documentation services. Work includes processing of pay applications and other administrative services while the tank is under construction. Fehr Graham staff will also complete inspections of work completed on the tank, including mil thickness checks and verification that improvements to tank have been completed per specifications.

## EXCLUSIONS

- Services Loan & Grant Administration services
- Detailed tank inspections and repair recommendations for design purposes. Information provided in tank inspection report from Pittsburg Tank and Tower Group to be used to develop project specifications and bid documents

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- Structural design or other tank repairs/modifications not identified in previously referenced inspection report
- Soil borings or geotechnical investigation
- Preparation of easements that may be necessary in order to complete the work
- Contract operations support while tank is down and under construction
- Coordination with vendors or other parties regarding removal and replacement of radio antennas and/or other equipment currently attached to the tank.

#### **ASSUMPTIONS**

- RMU will assist in the draining and discharging of the tank. RMU will also assist with filling the tank and putting it back in service. Specifications will note these specific operations to be completed by RMU.
- RMU will be able to provide record drawings of the tower to alleviate detailed surveys or other measurements necessary to produce sufficient plan details.

#### **FEES**

Fehr Graham will provide the services identified for the fee outlined below:

Design Engineering & Bid Documents	\$19,750 (billed lump sum)
Construction Administration Services	\$25,000 (billed on a time and materials basis)
Total estimated fee	\$44,750

#### **SCHEDULE**

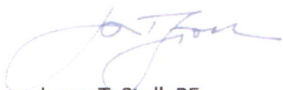
Fehr Graham will begin work with authorization from the client to proceed. Bid documents are expected to be completed in the first quarter of 2022 with construction expected in the third quarter of 2022.

#### **AUTHORIZATION**

I trust that the information we have provided is in line with your expectations. If you would like us to proceed with this project, please sign the attached Agreement for Professional Services and return one copy to my attention.

Thank you again for the opportunity to provide you with professional services. If you have any questions or need anything further, please let me know.

Sincerely,



Jason T. Stoll, PE  
Principal/Branch Manager

JTS:kmd

Enclosure: Agreement for Professional Services

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**AGREEMENT  
FOR PROFESSIONAL SERVICES**

Client Mr. Adam Lanning  
Rochelle Municipal Utilities  
333 Lincoln Highway  
P.O. Box 456  
Rochelle, IL 61068

815.562.4155

Description of Services:

**Rochelle Municipal Utilities - Well 4 Site, Elevated Tank Project in Rochelle, Illinois**

Fehr Graham will provide professional engineering design services for a re-paint of the 1.0-million-gallon water tower at the Rochelle Municipal Utilities Well 4 site, in Rochelle, Illinois, as outlined in the Proposal Letter dated December 15, 2021.

COST:

The estimated fee for performing the above services is \$44,750.

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:

Signature \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Date Accepted \_\_\_\_\_

CONSULTANT:

By  \_\_\_\_\_

Name Jason T. Stoll

Title Principal

Date Proposed December 15, 2021

## 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. A 1½% per month service charge will be incurred by Client for any payment due herein and not paid within 30 days of such billing which is equal to an ANNUAL PERCENTAGE RATE OF 18%. Partial payments will be first credited to the accrued service charges and then to the principal.
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. All attorney fees incurred by the Consultant due to the filing of said lien or the foreclosure thereof shall be borne by the Client.

In the event suit must be filed by Consultant for the collection of fees for services rendered, Client will pay all reasonable attorney's fees and court costs.

If Client defaults in payment of fees or costs due under the terms of this Agreement and Consultant incurs legal expenses as a result of such failure, Client shall be responsible for payment for Consultant's reasonable attorney fees and costs so incurred.

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 Contractor(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 – Client and Consultant each agree to indemnify and hold the other harmless, including their respective officers, 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.

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 \$50,000 or Consultant's total fee for services rendered on this Project, whichever is less.

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. Accordingly, Client waives any claim against Consultant and agrees to indemnify, defend, and hold harmless Consultant and its subcontractors, consultants, agents, officers, directors, and employees from any claim or liability for injury or loss allegedly arising from procedures associated with environmental site assessment (ESA) activities or the discovery of actual or suspected hazardous materials or conditions. 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 Stephenson County, Illinois.

# FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

## 2022 Personnel Chargeout Rates

Principal	\$175 - 250
Sr. Project Manager	\$150 - 240
Project Manager	\$110 - 230
Engineering:	
Lead Structural Engineer	\$175 - 185
Electrical Engineer	\$170 - 180
Sr. Project Engineer	\$110 - 175
Project Engineer	\$100 - 160
CAD Manager	\$120 - 130
Designer	\$ 85 - 125
Staff Engineer	\$100 - 120
Engineer	\$ 80 - 110
Sr. Structural Engineer	\$150 - 170
Sr. Resident Engineer	\$120 - 160
Water/Wastewater Op Specialist	\$120 - 140
Sr. Engineering Technician	\$ 80 - 150
Associate Engineering Technician	\$ 70 - 110
Engineering Technician	\$ 50 - 100
Landscape Architect	\$ 80 - 100
GIS Specialist	\$ 80 - 90
Surveying:	
Survey Manager	\$170 - 180
Land Surveyor	\$100 - 160
Survey Crew Chief	\$ 90 - 120
Surveyor	\$ 80 - 100
Survey Technician	\$ 60 - 90
Environmental, Health and Safety:	
Sr. EHS Scientist	\$110 - 150
EHS Project Scientist	\$100 - 140
EHS Scientist	\$ 90 - 130
EHS Specialist	\$ 70 - 110
EHS Technician	\$ 60 - 110
Project Hydrogeologist	\$ 90 - 120
Geologist	\$ 70 - 90
Staff Hydrogeologist	\$ 80 - 110
Hydrogeologist	\$ 70 - 100
Biologist	\$ 80 - 110
I.T. Consultant	\$ 70 - 160
Grant Writer / Community Development Specialist	\$ 90 - 110
Project Coordinator	\$170 - 180
Project Administrator	\$ 70 - 110
Project Assistant	\$ 73

Charges for expert testimony will be at a rate 1.5 times the standard hourly rate. Minimum 4 hours. Overtime hours charged at standard rates when Fehr Graham controls scheduling. Reimbursable Direct Expenses will be charged at invoice cost + 15%.