



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item:	Design Engineering Kautz Rd. Lift Station Improvements		
Presenter & Title:	Bob Van Gyseghem, Superintendent of Water & Wastewater		
Date:	February 5, 2024		
<b>Please Check Appropriate Box:</b>			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Associated Strategic Plan Goal/Objective: EMS-II, ES-II			
Estimated Cost: \$32,000		Budgeted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Executive Summary:</b>			
<p>The Kautz Rd. sanitary lift station accepts flow from industrial buildings located along Averill Road, Kautz Road and Geneva Drive. The lift station, constructed in 1994, was sized based on Geneva’s Comprehensive Land Use Plan and estimated sanitary flow from the area. Since 1994, the lift station has operated comfortably with two (2) of four (4) possible pumps designed for the station. New developments within this area will increase wastewater flows to the station. Additional pumps and controls will need to be added to the lift station to accept these sanitary flows. A design engineering review will be needed to analyze the current and projected pump demand in order to determine the proper size for the new pumps and prepare plans and specifications for bidding and construction. Fehr Graham has provided services for several sanitary sewer projects in Geneva including flow monitoring, rehabilitation, and the current design of the sanitary sewer river crossing. Staff has been satisfied with their work and negotiated a contract for the Kautz Road lift station improvements. The cost for the contract will be paid for within the existing budget and be reflected in a future budget amendment if necessary.</p>			
<b>Attachments:</b> <i>(please list)</i>			
<ul style="list-style-type: none"> <li>• Resolution</li> <li>• Engineering Contract</li> </ul>			
<b>Voting Requirements:</b>			
<p><i>This motion requires a simple majority of affirmative votes for passage. (City Council Only)</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the alderpersons has resulted in a tie; (b) when one half of the alderpersons elected have voted in favor of an ordinance, resolution, or motion even though there is no tie vote; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
<b>Recommendation / Suggested Action:</b> <i>(how the item should be listed on agenda)</i>			
<p>Recommend approval of a Resolution authorizing the City Administrator to execute a contract with Fehr Graham for design engineering of improvements to the Kautz Road lift station in an amount not-to-exceed \$32,000</p>			

**RESOLUTION NO. 2024-10**

**RESOLUTION AUTHORIZING EXECUTION OF  
Design Engineering for Improvements to the Kautz Road Sanitary Sewer Lift Station**

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**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS**, as follows:

**SECTION 1:** That the City Administrator is hereby authorized to execute, on behalf of the City of Geneva, a contract with Fehr-Graham, related to professional engineering services for design engineering improvements to the Kautz Road sanitary lift station.

**SECTION 2:** This Resolution shall become effective from and after its passage as in accordance with law.

**PASSED** by the City Council of the City of Geneva, Kane County, Illinois, this \_\_\_\_ day of \_\_\_\_\_, 2024

**AYES: \_\_ NAYS: \_\_ ABSENT: \_\_ ABSTAINING: \_\_ HOLDING OFFICE: \_\_**

Approved by me this \_\_\_\_ day of \_\_\_\_\_, 2024.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

December 18, 2023

Mr. Bob VanGyseghem  
Water Division Superintendent  
City of Geneva  
1800 South Street  
Geneva, Illinois 60134

**Re: Proposal for Professional Engineering Services  
Kautz Road Lift Station Modifications**

Dear Mr. VanGyseghem:

Fehr Graham is pleased to provide this proposal for consulting engineering services for the design of the Kautz Road Lift Station Modifications as outlined herein.

The existing lift station located on Kautz Road was originally constructed in 1994. Geneva is planning to make several modifications to accommodate additional flow to the station.

## **SCOPE OF SERVICES**

The scope of work for this project includes the following tasks:

### Kautz Road Lift Station

- » Review record drawings and basis of design of the existing lift station.
- » Perform Pump Demand Analysis:
  - Analyze pump run-time data.
  - Hydraulic analysis for future flow
  - Determine alternatives to add capacity.
- » Prepare construction documents for the following anticipated improvements to the existing lift station:
  - Add additional pump(s) and/or upsize pumps. (Hydromatic – Metropolitan)
  - Add VFDs.
  - Add support rails.
  - Modify piping and valving.
  - Modify electrical equipment.
  - Modify check valves.
  - Modify flow metering.
- » Prepare Engineering Opinion of Probable Cost for lift station modifications.
- » Prepare IEPA Permit Submittal.
- » Prepare design drawings and technical specifications for the work described above.
- » Prepare Bid Documents.
- » Respond to RFIs during the Bidding Phase.
- » Review bids and provide bid recommendation letter.

## **EXCLUSIONS**

- » Construction Services.
- » Permit fees.
- » City or County Permitting.

December 18, 2023  
Mr. Bob VanGyseghem, City of Geneva  
Proposal for Western Avenue and Kautz Road Lift Station Modifications  
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- » Structural modifications to the Kautz Road Lift Station.
- » Non-destructive Testing of Existing Structure.

## **FEES**

Fehr Graham will complete the proposed scope of services for a proposed time and materials budget of \$32,000.

Additional fees for tasks outside this scope of services will be provided per mutual written agreement referencing this Proposal Letter.

## **SCHEDULE**

We anticipate the construction documents will be substantially complete and submitted for client review within three months of receiving the authorization.

## **AUTHORIZATION**

Should this proposal meet with your objectives, please indicate your authorization to proceed by signing the attached Agreement for Professional Services and return it to my attention. We appreciate this opportunity to be of service and are looking forward to working with you on this project. If you should have any questions or comments concerning the enclosed, please do not hesitate to contact our office.

Sincerely,



Chris DeSilva, P.E. ENV SP  
Branch Manager

Enclosure: Agreement for Professional Services



Client Bob VanGyseghem  
City of Geneva  
1800 South Street  
Geneva, Illinois 60134

Description of Services:

Proposal for Professional Engineering Services - Kautz Road Lift Station Modifications

Fehr Graham will complete the scope of services as outlined in the proposal dated December 18, 2023, 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 \$32,000

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 Mick Gronewold, P.E.  
Title Principal  
Date Proposed December 18, 2023

24-022

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
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 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 <sup>167</sup>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.

## 2024 Personnel Chargeout Rates

Principal	\$220 - 280
Senior Project Manager	\$170 - 265
Project Manager	\$125 - 240

### Engineering

Lead Structural Engineer	\$200 - 230
Electrical Engineer	\$180 - 200
Senior Project Engineer	\$125 - 190
Project Engineer	\$115 - 170
CAD Manager	\$125 - 145
Project Designer	\$105 - 175
Designer	\$85 - 125
Staff Engineer	\$105 - 140
Engineer	\$95 - 185
Senior Structural Engineer	\$170 - 210
Senior Resident Engineer	\$130 - 170
Resident Engineer	\$115 - 160
Water/Wastewater Op Specialist	\$125 - 160
Senior Engineering Technician	\$95 - 170
Associate Engineering Technician	\$75 - 125
Engineering Technician	\$65 - 120

Sr. Landscape Architect Project Manager	\$185 - 260
Landscape Architect Project Manager	\$140 - 205

GIS Specialist	\$95 - 105
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### Surveying

Survey Manager	\$180 - 190
Land Surveyor	\$115 - 162
Surveyor	\$105 - 135
Survey Crew Chief	\$95 - 125
Survey Technician	\$65 - 95

### Environmental Health and Safety

Senior Project EHS Scientist	\$135 - 180
EHS Project Scientist	\$120 - 160
Senior EHS Scientist	\$125 - 165
EHS Scientist	\$95 - 130
EHS Specialist	\$85 - 120
EHS Technician	\$85 - 130
Senior Project Hydrogeologist	\$135 - 180
Project Hydrogeologist	\$95 - 140
Geologist	\$85 - 95
Staff Hydrogeologist	\$85 - 120
Hydrogeologist	\$85 - 110
Senior Biologist	\$105 - 150
Biologist	\$95 - 130

Sr. Grant Writer/Community Development Specialist	\$110 - 130
Grant Writer/Community Development Specialist	\$95 - 115
Project Coordinator	\$75 - 125
Project Administrator	\$75 - 125
Project Assistant	\$88

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%.