

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Agenda
April 11, 2024
8:00 a.m.
945 Bemis Road
Glen Ellyn, IL

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Public Comment
5. Consent Agenda – The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

Motion the EOC to approve the following items including Payroll and Vouchers for the partial month of January 2024, and the months of February and March of 2024 payroll in the amount of \$2,279,975.13 (Trustee Christiansen).

- 5.1 Executive Oversight Committee Meeting Minutes:
January 18, 2024 EOC Meeting
- 5.2 Vouchers Previously Reviewed:
Partial Month of January, and full months of February and March 2024 Payroll –
Trustee Christiansen
- 5.3 Ratification of Email Poll Items
 - 5.3.1 Authorization to Execute a Letter of Understanding with the Village of Glen Ellyn

During previous Executive Oversight Committee (EOC) meetings, discussion has been held regarding the need for the reconstruction of the Administration Building parking lot at the main plant site. This reconstruction project was designed back in 2015 but was put on hold in order to align with the Village of Glen Ellyn repaving Bemis Road.

In late January a meeting was held with Village of Glen Ellyn Public Works Engineering Team to discuss including the Authority's project with the Village's summer road repaving/reconstruction program for economies of scale. One of the bigger aspects of the Village's summer program this year is to reconstruct Bemis, and repave the portion of Sunnybrook in front of the Authority's Administration building. Since the Village's project is inclusive

of most of the items included in the Authority's parking lot construction, the favorable option is that the Authority would include its quantities into the Village's base bid, and receive favorable pricing rather than bidding it separately with much smaller quantities. The other option was to attach the Authority's plans/specs onto the Village's bid as an alternate for contractors to bid on. The latter option has the possibility of not yielding favorable results, since contractors have the option to submit different unit prices on alternates, as alternates may not get awarded. The low bid contractor on the base bid may also not be the low bid on the alternate bid, but the Authority would still have to use the low base bid contractor. Therefore, the Authority requested its scope to be included into the Village's base bid.

It is unlikely the Authority would receive more favorable unit prices bidding separately with smaller quantities, and therefore, the Authority would not wish to back out after the Village awards a contract. In addition, this project is long overdue and should not be delayed further. In regards to the Authority's contribution to the Bemis Road reconstruction, that cost and the Authority's expectations are not defined yet, so the letter is worded in a way that doesn't over obligate the Authority, but agrees to the intent.

Prior to signing this letter of understanding, the Authority is seeking authorization from the EOC to do so.

5.4 Declaration of Surplus

As the Authority routinely gathers items that are no longer being used or are obsolete, a request to declare them as surplus is needed from the Executive Oversight Committee, and then the items are auctioned off to the highest bidder and some amount of recapture is realized. Enclosed with this packet is a formal resolution to declare Authority property as surplus and allow for staff to place it at auction.

6. Approval of the issuance of Member Debt by the Village of Glen Ellyn for improvements to the Authority's Wastewater Treatment Facilities, including the Primary Clarifier and Gravity Thickener Improvements Project, pursuant to and in accordance with the provisions of Article VIII(B) of the Joint Agreement.

After exhausting several routes of obtaining financing for the Primary Clarifier and Gravity Thickener Improvements Project, the Finance Directors and financial advisors recommended method was for the Village of Glen Ellyn to issue debt for the Authority, with the Authority repaying the Village of Glen Ellyn for said debt.

Each respective Village Board approved an amendment to the intergovernmental agreement between the Village's that formed the Authority, which allowed for such issuance to take place, and outlined terms of repayment plans for this current proposed debt. The terms of repayment were made general so they could be applicable to any potential future debt from the issuance of bonds.

The Authority seeks a motion for approval of the issuance of Member Debt by the Village of Glen Ellyn for improvements to the Authority's Wastewater Treatment Facilities, including the Primary Clarifier and Gravity Thickener Improvements Project, pursuant to and in accordance with the provisions of Article VIII(B) of the Joint Agreement.

7. Authorization to Release Funds for the Reconstruction of the Administrative Building Parking Lot & Bemis Road Reconstruction

The parking lot for the Authority's Administration Building, providing for Authority's main public parking location, has been in significant need of replacement for nearly a decade. A replacement was designed in 2015 that included a full reconstruction and grading of the parking lot, which included additional parking spots, current ADA requirements, and improved drainage. After reaching 90% design of the project, the Authority was made aware of plans for the Village of Glen Ellyn to repave or reconstruct Bemis Road in the coming years, and so the decision was made to shelf the project and re-address it when the Bemis Road project began. After continuing to deteriorate for nearly 8 years after the initial design, the parking lot is in dire need of replacement, with extremely degraded surfaces, lack of sufficient parking, inadequate stormwater drainage, and insufficient ADA accommodations.

The Authority then received authorization from the Executive Oversight Committee to enter into an understanding with the Village of Glen Ellyn so that the reconstruction of the Authority's Administration Building Parking lot would be included in the base bid amounts for the Village of Glen Ellyn's 2024 Reconstruction Utility and Roadway Improvements. The intent of including the Authority's quantities with the Village's was to gain an economy of scale and yield a lower price for the Authority. After the Village opened the bids, the portion of the work related to the Authority's parking lot reconstruction was determined to be \$257,835.75. This demonstrated the favorable results to the Authority, as the Engineers estimate for the work was valued at \$363,341.

Another component of the Village's summer roadway improvements project is to perform a full reconstruction of Bemis Road. Previous conversations between the Village of Glen Ellyn and the Village of Lombard had concluded that, because of the heavy truck traffic to and from the main treatment plant, the Authority would be contributing a portion of the cost for the reconstruction of Bemis Road.

The Village of Glen Ellyn requested for the Authority to contribute towards half of the roadway aggregate subgrade (including excavation), required roadway undercuts, roadway fabric, and asphalt base course in the total amount of \$266,867.25 based off the low bid. This is a conservative not to exceed amount as certain portions of the reconstruction, for example; deep patches/spot repairs, are assumed to use the fully budgeted amount but the total is unknown at this time and could be significantly lower than the ~\$35,000 allocated towards that line item.

Due to the contract for this project being between the Village of Glen Ellyn and its contractor, John Neri Construction, ***the Authority is seeking a motion to authorize the Authority to issue payments to John Neri Construction and/or the Village of Glen Ellyn in a total not to exceed amount of \$524,703.*** The funds will come out of the general capital fund 40-580180, where a total of \$500,000 was budgeted for the design, construction, and construction engineering of the parking lot and Bemis Roadway improvements.

8. Authorization to Award Construction Services Contract for the Administrative Building Parking Lot Improvements

The Authority originally retained Trotter & Associates in 2015 to perform the design on the parking lot, and as mentioned above, the design was halted at 90% design in order to combine remaining efforts with the Village of Glen Ellyn's Road reconstruction project. Based on the successful completion of the 90% design, and the Authority's professional services policy that allows waiving of a competitive process to award a professional service based on a continuing relationship relating to work in a specific area of infrastructure, the Authority received approval to award Trotter & Associates the remaining 10% of design and bidding assistance in the amount not to exceed \$18,000.

Based on the successful completion of the now 100% design, and the Authority's professional services policy that allows waiving of a competitive process to award a professional service based on a continuing relationship relating to work in a specific area of infrastructure, the Authority also sought a proposal from Trotter & Associates for construction engineering services. A proposal was returned in the amount of \$30,500, which is approximately 11.8% of the construction cost, and an acceptable amount for construction engineering for a project.

The Authority is seeking a motion to authorize the Authority to waive a competitive selection process and award Trotter & Associates the construction engineering services contract for the Administrative Road Parking Lot Improvements for a not to exceed amount of \$30,500. The funds will come out of the general capital fund 40-580180, where a total of \$500,000 was budgeted for the design, construction, and construction engineering of the parking lot and Bemis Roadway improvements.

9. North Regional Interceptor Phase 2 Construction

In September 2022 the Executive Oversight Committee awarded Final Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program to RJN Group. The Glenbard Wastewater Authority owns, operates, and maintains approximately 6 miles of interceptor sewer, ranging from 18" diameter to 66" diameter, a small length (2000') of 8" collector sewer, and over 90 manholes. The majority of the collection system was constructed in the late 1970's after the formation of the Authority through an Intergovernmental Agreement between the Villages of Glen Ellyn and Lombard, and is mostly prestressed concrete cylinder pipe (PCCP). The Authorities collection system has had little in ways of rehabilitation performed on it since being put into service, however, it has been routinely inspected.

Phase I of the project was completed in December of 2023 and successfully rehabilitated approximately 1,200 feet of sewer main and five manholes along St. Charles Road. The upcoming Phase II will cover approximately 2,000 feet of sewer main and six manholes that follow I-355 from St. Charles Road down to GWA’s CSO plant on Hill Avenue. Similar to Phase I, Phase II will consist of pre-construction cleaning, televising (pre and post construction), pipelining (varying from 24”-27” diameter), and the structural lining, epoxy coating, and grouting of the six manholes.

The results of the April 3rd, 2024 bid opening were as follows:

Budgeted Amount	National Power Rodding	Hoerr Construction	Insituform Technologies	Visu-Sewer	Benchmark Construction
\$ 650,000.00	\$ 869,428.90	\$ 517,565.00	\$ 608,336.30	\$ 694,355.00	\$ 703,000.00

All five plan holders provided bids for this project and after opening the bids, RJN Group examined the bidding documents to ensure all proper documentation was included, and performed reference checks on the apparent low bidder. Having worked with Hoerr Construction previously, RJN is confident in Hoerr’s approach and has provided a recommendation letter. With all documents in place and satisfactory references, RJN is recommending award to Hoerr Construction.

Therefore, it is recommended the EOC authorize the Authority to award Hoerr Construction the 2024 Collection System Rehabilitation Construction Contract in an amount not to exceed \$517,565.00. This amount will be taken out of the budgeted \$650,000 in the CY2024 Approved Budget, Fund 40-580150 Capital Plant Equipment Rehabilitation.

The Authority is requesting the Executive Oversight Committee give authorization to award Hoerr Construction with a notice to proceed for the 2024 NRI Rehabilitation Project in the amount of \$517,565.00. This project was budgeted for in the CY2024 Approved Budget, Fund 40-580150 Capital Plant Equipment Rehabilitation.

10. Request for Approval of Data Analysis and Reporting Platform

Early in 2023, the GWA admin and supervisory team began discussions regarding the difficulties with our ability to pull reporting and analytical data from the various systems the Authority uses. Currently, process and control data is saved in two primary systems; first our SCADA platform called GE iFix which helps control and visualize the treatment process at the main plant and all remote sites, and a program called OpWorks that helps the operations and lab staff capture manually recorded information. These two systems do not communicate or share data with each other, which creates challenges when attempting to analyze or report on process data. Both systems have separate reporting functionality, but neither are very robust and both have shortcomings that can make them difficult to utilize.

After narrowing down the list of potential platforms, the shortened list of five software providers were demoed by the full admin and supervisory team. Each team member was provided a scoring matrix during the process and cost was not a consideration during evaluation to ensure a product was picked on functionality alone. After all demos were performed, scoring was tallied, and the team convened to discuss their comments and impressions; a platform called Ignition by Inductive Automation was selected. Ignition can provide all of the data consolidation, reporting, and analytical functionality the team is looking for and provide a path forward to expand upon the capabilities of our current SCADA system in the future.

Licensing and implementation costs were discussed with the Authority's SCADA integrator, Concentric Integration, who is a Gold Certified Integrator with Ignition. After determining the appropriate modules and licensing level, Concentric provided a quote of \$14,590.93 that would cover all licensing and the first year of support. While Authority staff does have some of the expertise needed to implement the platform, the extensive experience Concentric has with Ignition implementations will ensure it is installed efficiently and utilizing best practices. The Authority intends to work with Concentric to determine areas of the implementation where costs can be saved by having Authority staff perform certain tasks.

Because of that and to provide the most flexibility for the implementation of the software, GWA is requesting authorization to utilize the remainder of the \$30,000 budgeted for this project (\$15,409.07) on a time and material basis with Concentric Integration. Concentric has a provided an hourly rate range of their intended staff members of \$175-\$210 per hour. Authority staff will be closely monitoring costs and progress of the project to ensure the total does not exceed the budgeted \$30,000; and if further work is needed, additional funds will be budgeted in 2025 to continue to build out the platform.

Therefore, the Authority is seeking a motion to authorize the waiving of a competitive selection process and utilize Concentric Integration for purchase and time and material implementation of Ignition by Inductive Automation for its Data Analysis and Reporting Platform in an amount not to exceed \$30,000. The funds will come out of the Small Capital Improvement fund 40-580120.

11. Hydrogen Peroxide Contract Renewal

In 2020, the TAC approved a pilot program with USP to provide odor control services to GWA. The EOC was made aware and GWA moved forward with the pilot program. Included in the pilot was installation of peroxide containment, dosing lines, dosing pumps, sensors, communications, project management, and maintenance. The pilot program was successful in reducing odors produced in the treatment process and was evident by a significant decrease in odor complaints during the most odorous season. Due to the success of the pilot study, GWA entered into a 3-year contract with USP to provide odor control starting June of 2021 and will expire in June of 2024 for a total not to exceed amount of \$136,920. To date, the Authority has exhausted the majority of the total amount approved by the EOC, and is seeking to renew the contract with USP.

With the previous contract expiring this June, a proposal was requested from USP to provide odor control services for another 3 years, starting in May 2024 and continuing through May of 2027.

Included in the proposal, USP will be upgrading the dosing equipment, pump controls and reporting platform, as well as providing continued use of peroxide containment storage, maintenance and management of all the equipment, testing to ensure proper dosing is being completed and is effective, the gallons of peroxide that will be used, peroxide delivery supervision, SCADA integration, emergency response, and any necessary training. GWA also has the ability to cancel the contract at any time, with a 30-day notice.

USP's unit price per gallon is subject to an annual price increase. Annual price increases are to be capped at 6% based off previous contract years unit price.

Therefore, due to the professional nature of the services and the lack of other providers, GWA, is respectfully requesting to waive the competitive bidding process per the purchasing policy C.1.a Professional Services and C.1.e. Single Source Purchases and is requesting EOC motion to authorize the approval of the USP Technologies proposed 3-year contract with a not-to-exceed amount of \$195,955 over the length of the contract. This will come out of the budget 270-530440 Chemicals Fund, which has \$50,000 budgeted for hydrogen peroxide in CY2024, and will be budgeted appropriately for in future years.

12. Discussion

12.1 Renewable Natural Gas Discussion

During previous Executive Oversight Committee (EOC) meetings discussion had been held regarding the remaining life of the Combined Heat and Power (CHP) engines and future plans.

Due to the poorer than expected uptime of the CHP engines resulting in a non-favorable return on investment (ROI), preliminary analysis had begun to see if replacing the engines would be the best path moving forward, or if other options to utilize the Authority's biogas would yield better results. The Authority began receiving outside waste sources in 2016 to increase biogas production to provide better utilization of the CHPs, and after taking several years to develop, the Authority now has a very well-established program that generates nearly \$200,000 per year in revenue. However, the Authority needs to have a use for the increased biogas production in order to continue receiving outside waste.

In late 2023 the United States Environmental Protection Agency began accepting applications for Climate Pollution Reduction Grants. The U.S. EPA will award 30 to 115 grants ranging between \$2 million and \$500 million (a total of \$5 billion is available), with a focus on diverse geographic coverage. The agency is seeking collaborative, transformational projects to maximize impact. They are emphasizing

that projects will be most competitive if they have a strong need for funding that cannot be met by other funding sources. Creating renewable natural gas (RNG) and injecting it back into the natural gas transmission provides an environmental benefit due to it being a renewable product and the lessening of dependence on fossil natural gas.

With several other local facilities also looking into RNG, a coalition of biogas producers was formed to apply for the grant. The coalition consists of 8 other wastewater treatment plants and one closed municipal landfill within the Chicago metropolitan statistical area (includes parts of Wisconsin and Indiana). All members of the coalition invested an initial \$10,000 to hire a technical consultant and grant writer, and signed the enclosed letter of understanding. To date, the coalition has received positive feedback from those involved with the grant program, and submitted the completed application by the April 1st due date, applying for a total of \$196 million to distribute among the coalition members for the installation of RNG facilities. As part of the grant requirement, any funded projects would have to be completed by October 2029.

If awarded, the grant would cover the capital costs for the installation of RNG facilities at the Authority, and would yield an immediate return on investment of around \$1.5 million a year in revenue. If the coalition is not awarded the grant, the Authority will continue further discussion as to whether or not installation of a renewable natural gas facility is a viable option, or if the CHP program should continue. Although RNG yields a favorable return on investment over the CHP's, the Authority did not budget for such a facility, and it would require a significant initial capital investment.

No action is needed from the EOC at this time.

12.2 Solar Discussion

In 2023 the Executive Oversight Committee (EOC) authorized the Authority to enter into an agreement with Satori Enterprises, LLC, for solar photovoltaic system procurement consulting. The consulting services were to assist putting together a request for proposals for a solar array, and were at no initial cost to the Authority. The consultant would only receive payment if and when the Authority chose to move forward with any proposals received, with no obligation for the Authority to take any action.

A total of two rounds of requests for proposals were sent out, with the Authority only receiving one response each time, both from the same solar developer. Due to the lack of competitiveness, the Authority chose not to move forward with either proposal. However, the proposals provided for a decent return on investment, and therefore, further analysis was done on why more proposals were not received.

In order to construct a solar array on the East side of the DuPage River, considerable site development would need to occur to make the land constructable.

Based on feedback the Authority received, since the land development was not familiar with many solar developers, they chose to not submit proposals because of uncertainty. After receiving that feedback, the Authority began to independently research the scope and cost to prepare the land for the construction of a solar field.

The Authority performed a preliminary engineering study on the land development that revealed two potential options to move forward. If the Authority wanted to utilize the entire vacant area (~10 acres) the cost was estimated to be over \$2 million just for land preparation, and would take over 2 years due to permitting, floodway, and other regulatory issues. If the Authority chose to only utilize the old lagoon area (~5 acres), the cost estimate lowered to just over \$600,000, with a 11-month completion time.

Discussion was held with the TAC, as although the solar array would yield a decent return on investment of around 7-8 years, the development of the land and a solar array is not budgeted for. The return on investment would largely be seen within the first 3-4 years as well after all of the incentives are realized. Due to this attractive ROI and incentive system, further discussion needs to be held with the TAC and finance directors.

If the Authority chose to move forward with the next step toward developing the land itself, the next engineering phase would require the Authority to spend an additional \$41,707 in fees.

No action is needed from the EOC at this time.

12.3 Primary Sludge Direct Feed Line

In the approved CY2024 budget, the Authority has scheduled to construct piping to directly connect the primary sludge feed line into the digestion complex. Currently, primary sludge is fed into the gravity thickener, where it is co-thickened with waste activated sludge. By feeding the primary sludge directly to the digester, it will allow for a more constant/slower feed, improving the health of the digestion process. As an additional benefit, by no longer co-mingling sludges in the gravity thickener, an extremely odorous part of the process that is directly adjacent to residents, it will further mitigate odors being released. The Authority anticipates receiving a proposal to help design specifications and bid the job within the near future. In the event the Authority is ready to request authorization to award a design contract, but there are no other items that require Executive Oversight Approval, the Authority may seek an email poll for approval that would be ratified at a future meeting.

12.4 Upcoming Vehicle Purchases

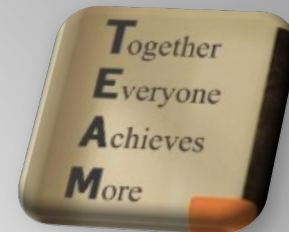
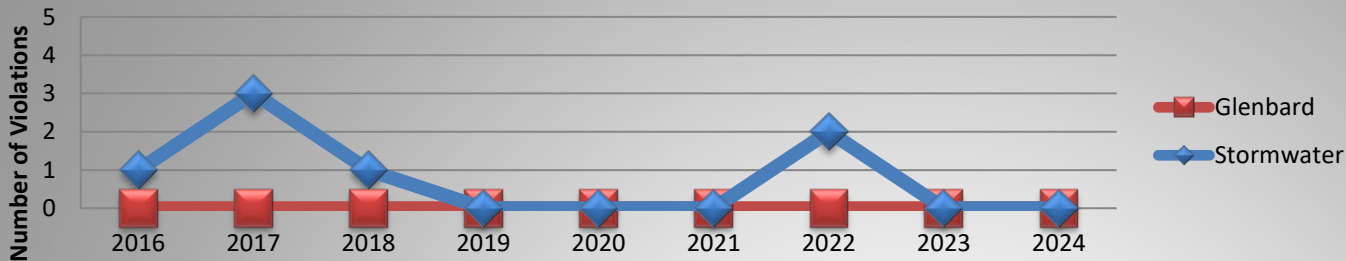
In the approved CY2024 budget, the Authority has scheduled to replace 3 of its fleet vehicles; a 2012 Crane Truck, a 2010 Dodge Grand Caravan, and a 2012 F250 Plow/Fuel Truck. Conversations with the Village of Glen Ellyn Fleet

Services have initiated, as that group provides maintenance on the Authority's fleet, and initial research has begun. In the event the Authority is ready to request authorization to purchase a new vehicle, but there are no other items that require Executive Oversight Approval, the Authority may seek an email poll for approval that would be ratified at a future meeting.

13. Other Business
 - 13.1 Technical Advisory Committee Updates
 - 13.2 Other items

14. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, May 9, 2024 at 8:00 a.m.***

NPDES Permit Violations



Glenbard Plant: *Current Record

4073 Days February 4, 2013 through March 31, 2024

Previous excursion free operating record:

1058 Days September 8, 2007 – April 10, 2010

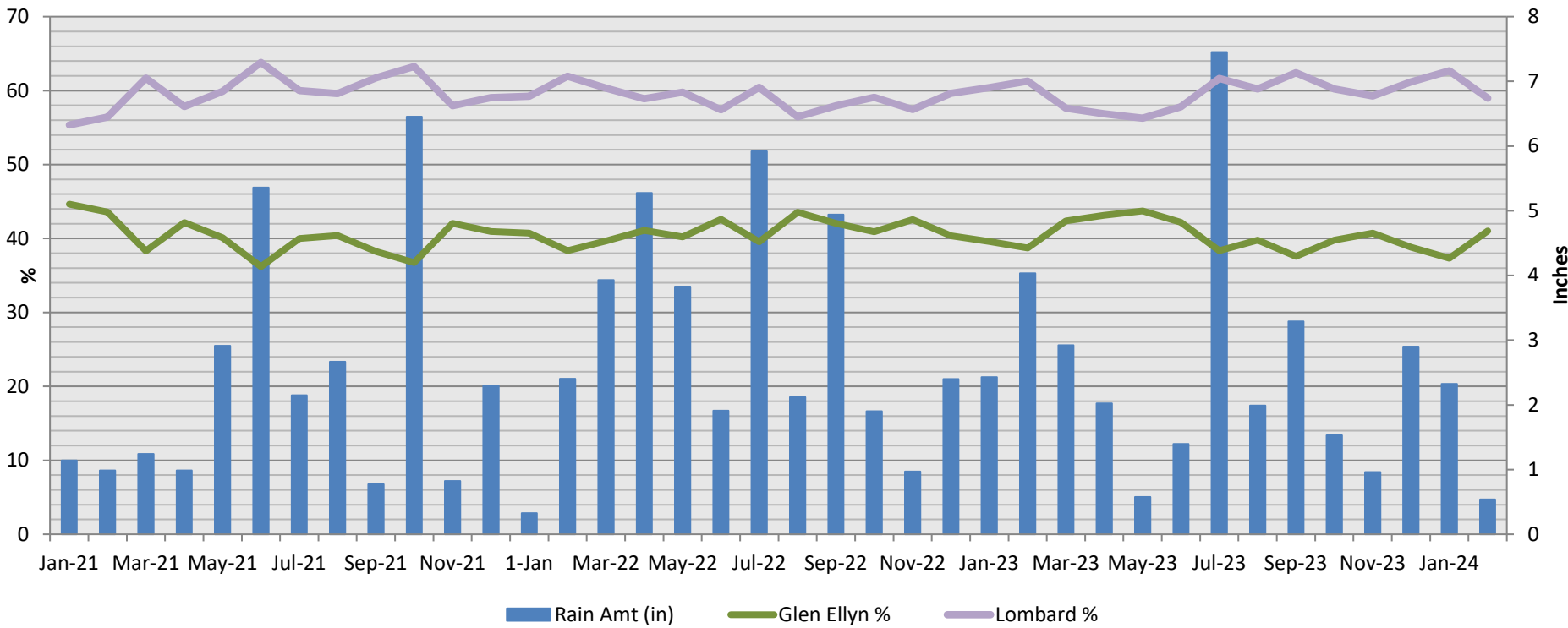
Stormwater Facility: *Current Record

567 Days September 11, 2022 through March 31, 2024

Previous excursion free operating record:

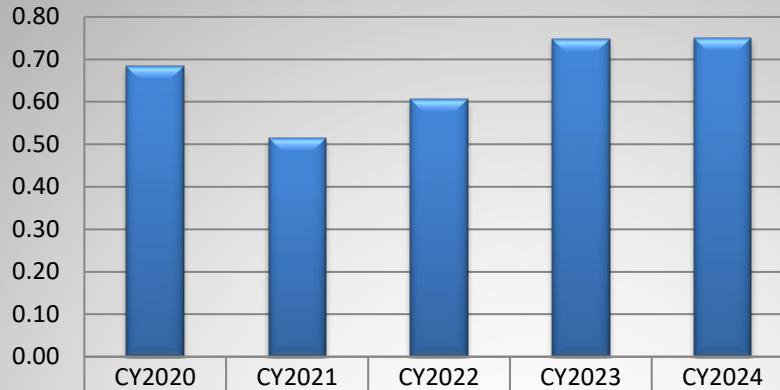
1140 Days July 11, 2009 through August 27, 2012

Flow Billing Comparison





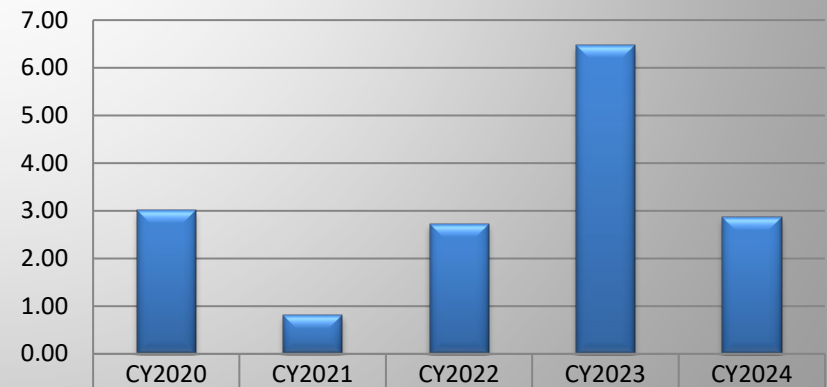
Billion Gallons Treated Per Year as of February 29, 2024



■ Billion Gallons Treated Per Year as of February 29, 2024

Year	Billion Gallons Treated
CY2020	0.68
CY2021	0.52
CY2022	0.61
CY2023	0.75
CY2024	0.75

Total Rainfall in Inches as of February 29, 2024



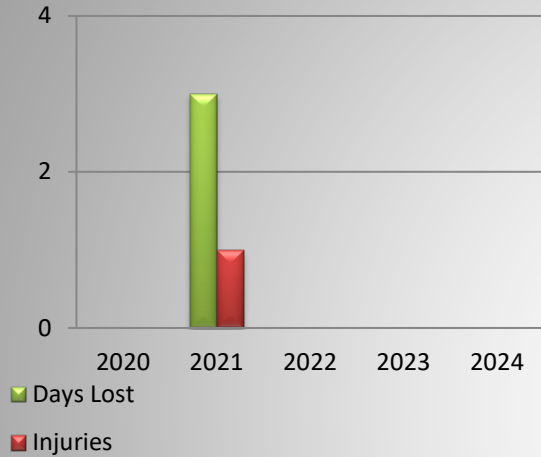
■ Total Rainfall in Inches as of February 29, 2024

Year	Total Rainfall (Inches)
CY2020	3.00
CY2021	0.82
CY2022	2.73
CY2023	6.47
CY2024	2.86



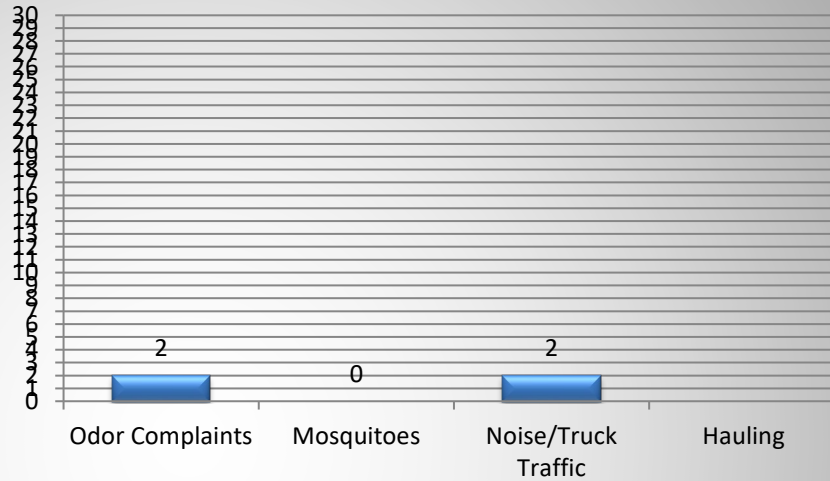
The Authority Key Performance Indicators Regarding Safety and Neighborhood Impacts

Injuries + Lost Time

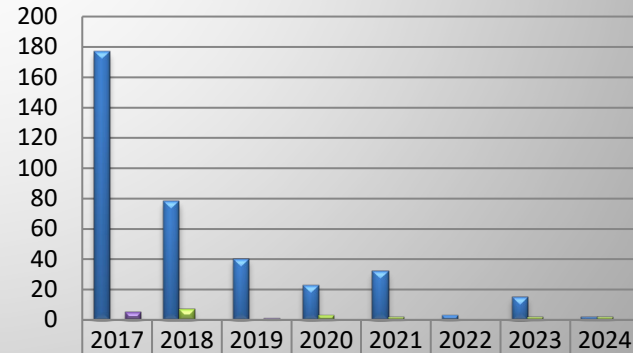


Year	2019	2020	2021	2022	2023
Injuries	0	0	1	0	0
Days Lost	0	0	3	0	0

Jan-March 2024 Complaints

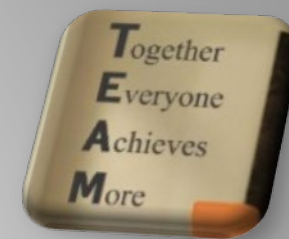


Annual Complaint Comparison

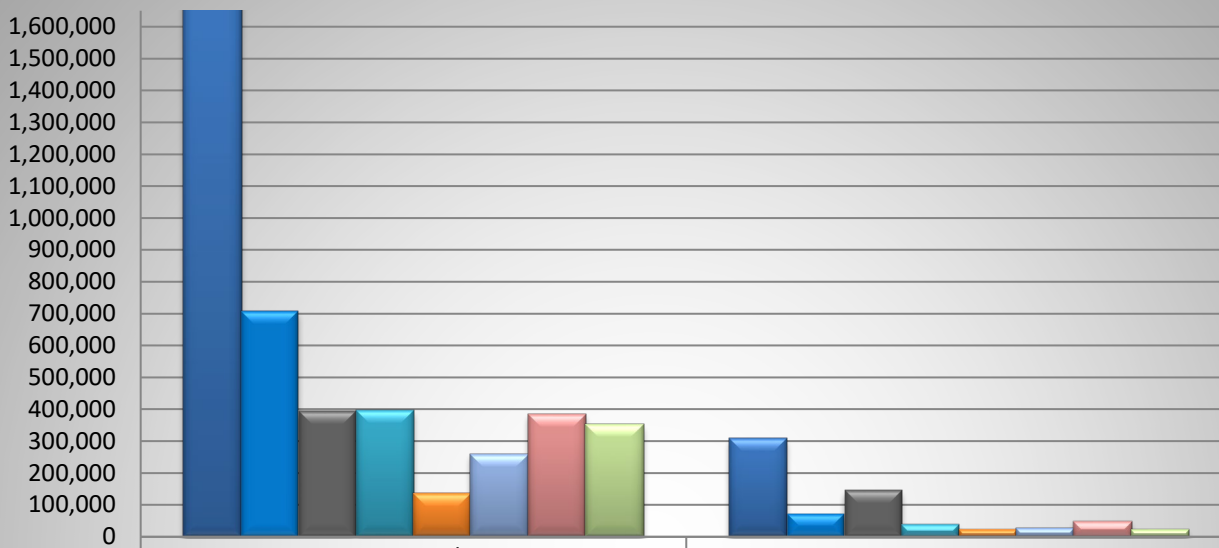


	2017	2018	2019	2020	2021	2022	2023	2024
Odor Complaints	177	78	40	23	32	3	15	2
Noise/Truck Traffic	0	7	0	3	2	0	2	2
Hauling	5	0	1	0	0	0	0	0





February 2024 O&M Expense \$ Reporting

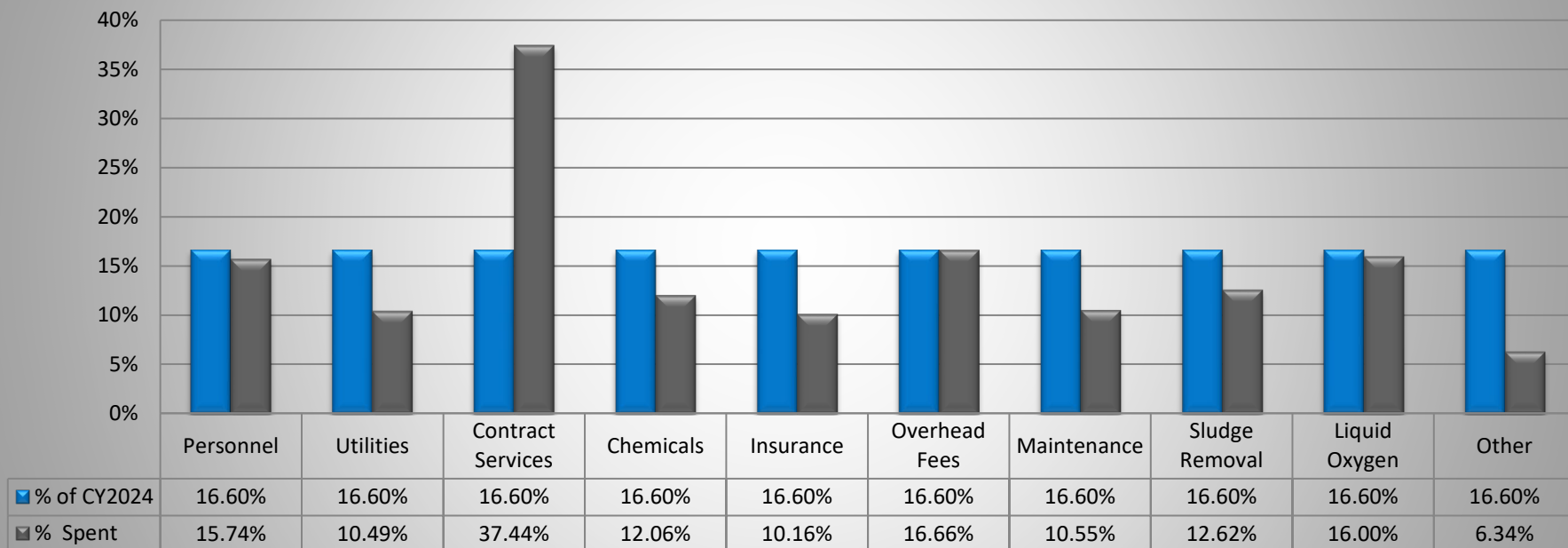


	CY2024 Budget	Spent Year to Date
Personnel	\$1,958,435	\$308,322
Utilities	\$708,900	\$74,351
Contract Services	\$392,751	\$147,052
Insurance	\$395,900	\$40,223
Overhead Fees	\$136,161	\$22,683
Maintenance	\$259,656	\$27,394
Sludge Removal	\$385,000	\$48,572
Other	\$352,630	\$22,355

	Personnel	Utilities	Contract Services	Chemicals	Insurance	Overhead Fees	Maintenance	Sludge Removal	Liquid Oxygen	Other
CY2024 Budget	\$1,958,435	\$708,900	\$392,751	\$298,000	\$395,900	\$136,161	\$259,656	\$385,000	\$355,000	\$352,630
Spent Year to Date	\$308,322	\$74,351	\$147,052	\$35,926	\$40,223	\$22,683	\$27,394	\$48,572	\$56,812	\$22,355
% of CY2024	16.60%	16.60%	16.60%	16.60%	16.60%	16.60%	16.60%	16.60%	16.60%	16.60%
% Spent	15.74%	10.49%	37.44%	12.06%	10.16%	16.66%	10.55%	12.62%	16.00%	6.34%



February 2024 O&M Expense % Reporting



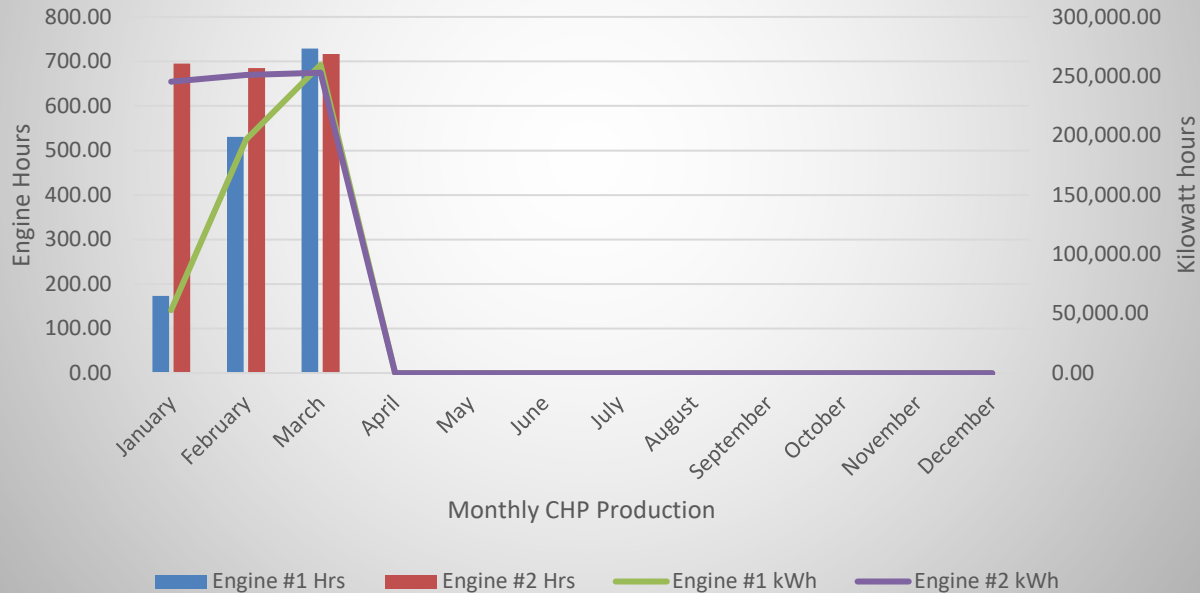


Description	Project Budget Amount	Spent to Date	Updates
Small Capital Projects	\$219,000	\$56,611	March 25th, 2024
Plant Equipment Rehabilitation	\$1,567,000	\$351,128	March 25th, 2024
Infrastructure	\$88,000	\$9,912	March 25th, 2024
Rolling Stock	\$603,000	\$0	March 25th, 2024
Admin Parking Lot/Bemis Construction/Engineering	\$500,000	\$15,900	March 25th, 2024
Interceptor Rehab Engineering	\$155,000	\$107,379	March 25th, 2024
Interceptor Rehab Construction	\$650,000	\$0	March 25th, 2024
Primary Clarifier Improvements Engineering	\$243,100	\$230,400	March 25th, 2024
Primary Clarifier Improvements Construction	\$6,000,000	\$0	March 25th, 2024
Primary Sludge Direct Digester Feed Engineering	\$60,000	\$0	March 25th, 2024
Primary Sludge Direct Digester Feed Construction	\$400,000	\$0	March 25th, 2024
Facility Plan	\$219,000	\$0	March 25th, 2024
Bemis Road/Admin Parking Lot	\$500,000	\$0	March 25th, 2024

Combined Heat & Power Production Report



Road to Net Zero



Monthly CHP Production 2024 = \$0.10/kWh

	Engine #1 Hrs	Engine #2 Hrs	Engine #1 kWh	Engine #2 kWh	\$ Saved	% Electricity Generated
January	173.50	695.00	52,921.00	245,552.00	\$29,508.17	39%
February	530.70	684.90	196,657.00	251,135.00	\$44,270.41	Not Available
March	729.10	716.70	259,823.00	252,905.00	\$50,690.23	Not Available



Return on Investment Monetary Breakdown

	RECS	HSW/FOG Gallons Received	HSW Tipping Fees	Elec Energy Produced @ \$0.07/kWh	Maintenance Costs	Total + or -	Target to meet 8.8 Year Repayment Schedule	Hit + or Miss -
Calendar Year 2023								
January		425,900	\$21,295.00	\$25,899.56	\$822.78	\$46,371.78	\$28,805.84	17,565.94
February		355,250	\$17,762.50	\$23,387.97	\$9,990.00	\$31,160.47	\$28,805.84	2,354.62
March		437,713	\$21,885.65	\$22,695.51	\$10,190.00	\$34,391.16	\$28,805.84	5,585.32
April		190,422	\$9,521.10	\$12,240.96	\$11,274.92	\$10,487.14	\$28,805.84	(18,318.70)
May		0	\$0.00	\$2,259.82	\$0.00	\$2,259.82	\$28,805.84	(26,546.02)
June		0	\$0.00	\$0.00	\$0.00	\$0.00	\$28,805.84	(28,805.84)
July		85,000	\$4,250.00	\$6,435.24	\$0.00	\$10,685.24	\$28,805.84	(18,120.60)
August		234,379	\$14,062.74	\$19,840.49	\$1,887.00	\$32,016.23	\$28,805.84	3,210.38
September		355,783	\$21,346.98	\$23,557.50	\$0.00	\$44,904.48	\$28,805.84	16,098.64
October		428,621	\$25,717.26	\$23,602.39	\$644.00	\$48,675.65	\$28,805.84	19,869.80
November		305,562	\$18,333.72	\$6,140.88	\$0.00	\$24,474.60	\$28,805.84	(4,331.24)
December		357,028	\$21,421.68	\$15,936.45	\$0.00	\$37,358.13	\$28,805.84	8,552.28
Annual Totals	\$0.00	3,175,658	\$175,596.63	\$181,996.76	\$34,808.70	\$322,784.69		
Repayment Balance	\$2,392,860.94							
Annual Payback on Investment	\$285,183.85							
Current Return on Investment in Years	8.4							
Calendar Year 2024								
January		404,700	\$24,282.00	\$29,508.17	\$82,276.78	-\$28,486.61	\$28,805.84	(57,292.45)
February		357,904	\$21,474.24	\$44,270.41		\$65,744.65	\$28,805.84	36,938.81
March		399,901	\$23,994.06	\$50,690.23	\$832.91	\$73,851.38	\$28,805.84	45,045.53
April			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
May			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
June			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
July			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
August			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
September			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
October			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
November			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
December			\$0.00	\$0.00		\$0.00	\$28,805.84	(28,805.84)
Annual Totals	\$0.00	1,162,505	\$69,750.30	\$124,468.80	\$83,109.69	\$111,109.41		
Repayment Balance	\$2,281,751.53							
Annual Payback on Investment	\$285,503.57							
Current Return on Investment in Years	8.0							

SECTION 5.0

CONSENT AGENDA

SECTION 5.1

MINUTES –

JANUARY 18, 2024

MEETING

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Minutes
January 18, 2024
8:00 a.m.

Members Present:

Mark Senak	President, Village of Glen Ellyn
Keith Giagnorio	President, Village of Lombard
Kelli Christiansen	Trustee, Village of Glen Ellyn
Mark Franz	Village Manager, Village of Glen Ellyn
Scott Niehaus	Village Manager, Village of Lombard
Carl Goldsmith	Public Works Director, Village of Lombard

Others Present:

Matthew Streicher	Executive Director, GWA
Rick Freeman	Electric Superintendent, GWA
Jon Braga	Maintenance Superintendent, GWA
Andrew Pakosta	Operations Superintendent, GWA
Patrick Brankin	Finance Director, Village of Glen Ellyn

1. Call to Order at 8:00 a.m.
2. Pledge of Allegiance
3. Roll Call: President Senak, President Giagnorio, Trustee Christiansen, Mr. Niehaus, Mr. Franz, and Mr. Goldsmith, answered “Present”. Trustee Bachner and Mr. Buckley were excused.
4. Public Comment
5. Consent Agenda – The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

Mr. Streicher asked that prior to the Consent Agenda approval, Item 5.8.1 be removed from the consent agenda as the item was approved with the intent to complete the work before it snowed and since the work did not get started, it will be re-bid in the Spring.

Motion the EOC to approve the following items including Payroll and Vouchers for the months of October, November, December of 2023 and January 2024 payroll in the amount of \$1,335,888.05 (Trustee Christiansen).

Mr. Niehaus motioned and Mr. Franz seconded the MOTION that the following items, on the Consent Agenda be approved, with the removal of Item 5.8.1. President Senak, President Giagnorio, Trustee Christiansen, Mr. Niehaus, Mr. Franz, and Mr. Goldsmith responded “Aye” during a roll vote. The motion carried.

- 5.1 Executive Oversight Committee Meeting Minutes:
October 12, 2023 EOC Meeting
- 5.2 Vouchers Previously Reviewed:
October, November, December 2023 and January Payroll 2024
– Trustee Christiansen
- 5.3 RJN Flow Monitoring Agreement Renewal

In late 2022 the Authority requested and received a proposal for flow monitoring services for the installation, operation, maintenance, monitoring, and leasing of seventeen (17) flow meters and two (2) rain gauges located throughout the Authority's service area. The main purpose of these meters is to determine the flow splits between the two owning Villages in order to properly bill each Village for the treatment of their wastewater.

After detailed analysis and evaluation, the EOC authorized the Authority to waive the competitive bidding process and award RJN Group of Wheaton, IL the Flow Services Contract in the amount not to exceed \$913,800 for the period of 2023-2028, as well as authorizing the Authority to enter into year one of six of the agreement in the amount of \$11,800 per month.

The Authority is requesting that the EOC authorize the Authority to enter into year two of six of this contract for the amount of \$11,800 per month, equaling \$141,600 for CY2024. This shall be invoiced to CY2024 O&M account number 270-520981.

- 5.4 Sodium Hypochlorite Contract Extension

The Glenbard Wastewater Authority posted the bid notification publicly through an advertisement to bid that was published in the Daily Herald on December 5th, 2022. The deadline for receipt of the sealed bids was December 21st, 2022 at 10:00 a.m.

After opening the two bid documents received, reviewing the unit prices, and confirming that all required documentation was present, Rowell Chemical Corp. was the lowest responsive, responsible bidder. In an effort to reduce the increasing cost of Sodium Hypochlorite, the Authority has decided to decrease the contract length to 6 months. This contract reduction has led to a bid price of \$2.12/gallon, which is a 14.4% lower than the previous price of \$2.426/gallon.

After no price changes occurred, the term automatically renewed in July 2023. Moving forward to the next 6-month renewal due on January 12, 2024, the proposed price will actually decrease to \$1.95.

The Operations Staff requests the EOC to allow awarding Rowell Chemical Corp. the 6-month term Sodium Hypochlorite supply contract for a unit price of \$1.95 per gallon delivered. The cost of the Sodium Hypochlorite will be expensed to the Glenbard's Stormwater Plant CY2024 O&M budget line item 270-1 530440. The contract will be renewed again in July 2024 providing the price does not increase more than 5% over the original contract cost of \$2.12 per gallon delivered.

5.5 Request for Authorization to Enter into Year 3 of 5 of the Lease of Atmospheric Vaporizers and Airgas Liquid Oxygen Hauling Agreement

In February 2022, after detailed evaluation and analysis, as well as based on qualifications and price, the EOC approved to enter into a 5-year agreement with Airgas for the hauling of liquid oxygen and leasing of atmospheric vaporizers. GWA requests waiver of bids and authorization to continue into year two of the five-year contract for the leasing of atmospheric vaporizers and liquid oxygen hauling with Airgas in CY2024. Starting in April 2024 Liquid Oxygen hauling will be priced at \$0.3938/per 100 cubic feet, and invoiced to Fund 270-530443 in the CY2024 Budget. Atmospheric Vaporizers Leasing will be priced at \$1,500/month, and invoiced to Fund 40 Capital Plan in the CY2024 Budget.

This contract is set to expire in April 2027, and therefore both the supply of liquid oxygen and the atmospheric vaporizer leasing will be rebid out at that time to obtain competitive pricing.

5.6 Polymer Supply Award

Injecting polymer prior to the belt filter presses is vital to the dewatering process, it promotes the release of water from the biosolids, reducing overall volume. Correctly matching a specific polymer to the unique characteristics of GWA's Biosolids is extremely important to the effectiveness of the dewatering process. Properly reducing water from the biosolids will decrease the volume needed to be processed, therefore minimizing hauling costs. Prior to the Belt Filter Press Improvement Project, Polydyne's polymer was bench tested against GWA's biosolids and the results indicated it is an effective product. However, to ensure it is a cost-effective product, we requested quotes from multiple suppliers known to have been compatible with GWA's biosolids.

The Chemical Market can be volatile, evident in the price increases we saw these past few years. Considering Polydyne's price will increase by 0% from 2023's price, the effectiveness of their product and their ability to supply product, the Operations Department would like to retain Polydyne as GWA's polymer supplier.

The Operations Department would like to waive public bidding based on section "C.1.f Standardization Purchases." Due to the specificity of the polymer required

for an effective dewatering process, bidding out this product on price alone could result in rewarding a supplier with an ineffective product.

If competitive bidding is waived, the Operations Department requests approval for purchasing polymer at \$1.68 per pound, a 0% increase over the amount that was approved by the EOC in 2023, from our current polymer supplier Polydyne for 1 year and future approval for an additional 2 years if the price does not increase more than 5%. Glenbard has used Polydyne for years without any major issues with their product or delivery services. The Authority spends nearly \$80,000 on polymer in any given year based on sludge production.

This purchase will be expensed to 270-530440 – Chemicals, which has \$85,000 budgeted for polymer.

5.7 CHP Media Purchase

Prior to digester gas being used in the CHP's, the gas needs to be "scrubbed" in order to remove siloxanes and hydrogen sulfide, in order to help preserve the life of the engines. Although the life of the media is tracked, due to varying usage and gas conditions, it is difficult to exactly predict when the media will reach its useful life. Since there is little expiration notice, and the media has a long shelf life, we prefer to have the media onsite and available to keep the down time of the engines to a minimum. Therefore, staff obtained pricing ahead of schedule so that the purchase can be made, and the media available for use when needed.

In the 2024 GWA budget, staff allocated \$100,000 for the purchase of this media in budget category Plant Equipment Rehabilitation account 40-580150. The budget amount was taking into account at least two purchases of the hydrogen sulfide media (similar to current request), and one purchase of the siloxane media.

Therefore, we motion the EOC to authorize approval to purchase CHP media from Unison Solutions in the amount of \$28,950. This has been discussed with the TAC, and all are in agreement with the recommendation.

5.8 Ratification of Email Poll Items

5.8.1 Bridge Rehabilitation Construction Contract

As was discussed and approved at the October 12th EOC meeting, the Authority has moved forward with requests for direct quotes from a list of recommended bridge repair contractors for the rehabilitation work on the Authority's SRI bridge. Initial interest and feedback from the contractors are encouraging; but they have also highlighted concerns regarding the timeline for completion. Because of the imminent shutdown of local asphalt plants due to cold weather and the urgency of completing these repairs before winter, the RFP specified that contractors have approximately ten days to submit proposals and 15 calendar days

to complete the work. While attainable, the timeline leaves little room between receipt of the quotes, approval to a contractor, and completion of the work.

The Authority is requesting the Executive Oversight Committee give pre-approved authorization for the Authority, upon receipt of at least three quotes, to award the lowest responsible bidder with a notice to proceed for the 2023 SRI Bridge Rehabilitation Project with a total project cost up to 25% above the engineer's estimated amount of \$46,000 (a max total cost of \$57,500) or any total cost below that amount. This project is budgeted for in the CY2024 Infrastructure Improvement Budget, Fund 40-580140.

Mr. Streicher explained that retroactive approval of this item, which had been approved via an email poll, was being removed, as the project did not move forward. Mr. Streicher noted that staff did try to rush the project in the hopes of getting a layer of asphalt on the bridge to stop any further damage or degradation, prior to the asphalt plants closing down for winter; however, that did not happen. Instead, steps had been taken to prevent damage to the bridge deck over winter.

Mr. Streicher added that the project will be brought back to the EOC Committee for approval after the formal bidding process in the Spring.

Mr. Goldsmith asked if this project could be incorporated into another paving project. Mr. Streicher advised that project involves more than just asphalt. Mr. Franz noted that the Bemis Road project will be taking place in the near future. Mr. Streicher added that he is aware the project is due to go out to bid relatively soon and will have to see if GWA can get the documents for the project ready for inclusion. Mr. Streicher was doubtful, as the asphalt portion of this project was only a minor part, and the last step. Most of the project consists of the bridge rehabilitation, which is unique to the other paving projects.

5.8.2 Biosolids Hauling Contract Modification and Extension

In CY2021 the Authority placed an advertisement for bid for a three-year contract for the removal and disposal of municipal bio-solids from the main Glenbard plant. After the public bid opening, the Executive Oversight Committee authorized the Authority to enter into a 3-year contract with Synagro, LLC, for \$19.20 per cubic yard hauled/land applied. This contract will expire on April 20, 2024.

During previous budget discussions, the Executive Oversight Committee was made aware that Illinois House Bill 2845 was signed into law as Public Act 103-0327 on July 28, 2023, and now requires that Prevailing Wage rates be paid to transportation providers and hauling services for removal and transportation of Biosolids and Lime residuals. Although the Authority's contractors are required to pay prevailing wages, previously, biosolids haulers were able to avoid that

requirement due to a portion of their work being related to the agricultural sector. This new law will now impact the cost of business for biosolids contractors, including the Authority’s current contractor, Synargro, LLC.

On October 23rd, 2023, the Authority received the enclosed proposal from Synargro, stating that the new price beginning January 1, 2024 would be \$32.95 per cubic yard (CY), which is a 71.6% increase over the existing price. The proposal also included a one-year contract extension holding the \$32.95/CY price through December 31, 2024, and followed by a CPI increase through the remainder of the contract ending April 30, 2025.

Below is a spreadsheet showing recent prices and bid tabulations of similar services at other local facilities

Recent Bid Tabs/Prices for local biosolids hauling. All dollar amounts are per cubic yard (CY)

Agency Bid Date	Salt Creek Sanitary District Jun-22	Glendale Heights Jul-22	Elmhurst Aug-22	Wheaton Sanitary District Mar-23	Village of Huntley Oct-23	Village of Addison Oct-23
Synargro - Daily Haul	N/A	No-Bid	N/A	\$32.14	N/A	\$49.56
Synargro - Bulk Haul *	\$47.75	N/A	No-Bid	\$24.00	\$36.97	N/A
Stewart - Daily Haul	No-Bid	\$36.00	N/A	\$26.65	N/A	\$30.25
Stewart - Bulk Haul*	\$33.44	No-Bid	\$25.89	\$23.50	\$32.25	N/A
Dahm - Daily Haul	N/A	No-Bid	N/A	\$28.50	N/A	\$53.39
Dahm - Bulk Haul*	No-Bid	N/A	No-Bid	\$25.50	\$24.25	N/A

* - GWA cannot do bulk hauling due to neighbor complaints with stockpiling sludge on site
 GWA - Existing Rate = \$19.20/CY
 GWA CY2024 Budgeted Rate = \$33.50/CY
 Average Daily Haul Rate = \$36.64
 Proposed Daily Haul Rate = \$32.95

In the best interest of the Authority, the TAC recommends to allow the price modification from \$19.20/CY to \$32.95/CY beginning on January 1st, 2024, and

to recommend extending the contract with Synagro at the \$32.95/CY rate through December 31st, 2024. This would allow the Authority to utilize a rate that is demonstrated to be competitive, and aligns closely with the budgeted amount in the CY2024 Budget. The Authority would then intend to re-bid for these services in early fall 2024 in order to award a new contract that would take effect January 1st, 2025. The intent of rebidding in early fall would be so that a rate could be known and taken into account while developing the following years budget. This would also reset the contract cycle to be on a calendar basis, rather than the historical fiscal year it is currently on.

Therefore, the Authority is requesting the following two items from the EOC:

- Authorization to approve the price increase from \$19.20/CY to \$32.95/CY with Synagro, LLC, beginning January 1st, 2024.
- Authorization to extend the contract for removal and disposal of municipal biosolids with Syangro, LLC through December 31st, 2024 at a rate of \$32.95/CY

6. 2024 Facility Planning Study Award

Per the Intergovernmental Agreement that the Authority was formed by, “Every five (5) years, the Authority shall conduct a review of the capital plan; said review shall be performed by an outside consultant and be known as the facilities plan. The result shall be used as the basis for updating the Authority’s ten (10) year capital plan.” The last Facility Plan was completed in CY2019, and therefore, is due to be completed in CY2024.

In late September of 2023, formal requests for proposals (RFP) for the Facility Plan were sent to the Authority’s shortlisted consulting/engineering firms. For two main reasons, the RFP was structured differently than past years: (1) the 2019 Facility Plan was detailed and in-depth, and having been performed only five years ago, the majority of the Plan is still valid and applicable, and (2) the expected Phosphorus regulations on the Authority’s future permits warrant a closer look into the potential treatment options available to meet these regulations. Those new treatment processes will require significant reconstruction and upgrades to the Authority’s main facility, and this Facility Plan will serve as a roadmap to allow the Authority to plan and prepare for those significant changes.

Due to the size and complexity of the expected process changes, significant capital expenditures are likely as well. Funding from the low-interest Illinois State Revolving Fund (SRF) is still the Authority’s preferred method to be able to finance these future projects, and even though SRF funding has become harder to acquire in recent years, GWA would still intend to apply for those low-interest loans before seeking other methods of financing. To qualify for an SRF loan, an approved Facility Plan is required to be kept on file with the Illinois Environmental Protection Agency (IEPA), which is another important driver in performing the Authority’s 2024 Facility Planning Study.

The Authority received four sets of technical proposals in response to the RFP that was sent to the shortlisted firms. After the Authority's Technical Review Committee (TRC) scored the proposal, there was a clear leader, with nearly all of the committee members rating the Baxter & Woodman/Carollo proposal the strongest. That particular proposal was a combination of two of the Authority's shortlisted firms, with Baxter & Woodman having a strong local presence and a long history of working with facilities similar to the Authority, and Carollo having extensive experience with biological nutrient removal (BNR) and conversion of High Purity Oxygen Activated Sludge Plants (HPOAS), which is the process the Authority currently uses. Those two factors, along with other components of the proposal, resulted in the Authority selecting the B&W/Carollo team without moving onto an interview stage. If the TRC scoring yielded two or more front runners, the Authority would have moved on to an interview phase with an additional scoring process.

After the firm was selected, a cost proposal was requested from the B&W/Carollo team and costs were negotiated. Through those negotiations, the proposed scope was reduced from \$226,370 to \$217,784. The CY2024 budgeted amount for this study was \$200,000, putting this slightly over what was budgeted. While Authority staff diligently attempted to lower the cost to match the budgeted amount, it would have meant sacrificing further scope of the study, lowering the value of the study to the Authority. With the available cash on hand in the Fund 40 capital account and the potential for other capital expenditures to come in under budget in 2024, Authority staff is confident that Fund 40 will be able to cover the additional funds required.

Therefore, it is recommended the EOC authorize the Authority to award the Baxter & Woodman/Carollo team the 2024 Facility Plan study in the amount not to exceed \$217,784. This amount will be taken out of the designated account in the CY2024 Approved Budget, Fund 40-580180.

Mr. Streicher stated that due to a conflict of interest, Mr. Henning and the GWA team was in charge of the review and decision-making process on this item; and that he is only presenting as Mr. Henning is out for the day.

Mr. Niehaus wanted to provide transparency in the Minutes, noting that the TAC Committee also reviewed the proposals and agreed with the recommendation to award the contract to Baxter & Woodman/Carollo Engineering. Mr. Niehaus added that Mr. Streicher was fully transparent on this matter from the start and wants to formally state for the Minutes, that Mr. Streicher's spouse, who works at Baxter & Woodman, will not be involved with this project in any capacity.

Mr. Niehaus motioned and President Giagnorio seconded the motion to award the Baxter Woodman/Carollo team the 2024 Facility Plan study in the amount not to exceed \$217,784. This amount will be taken out of the designated account in the CY2024 Approved Budget, Fund 40-580180. President Senak, President Giagnorio, Trustee Christiansen, Mr. Niehaus, Mr. Franz, and Mr. Goldsmith responded "Aye" during a roll vote. The motion carried.

7. Retroactive Approval of Emergency Work on Combined Heat and Power Engines

In early November 2023, the Authority's Combined Heat and Power (CHP) #2 engine unexpectedly failed. The engine suffered a fairly significant increase in heat in a very short period of time, which was the result of valve and piston failures within two of the engines cylinders, ending up critically damaging the engine itself. After bringing Public Works Director Buckley up to speed, discussion was had on evaluating whether or not to simply replace the engine versus repairing it, as it was about 75% through its useful life (30,000 hours out of the 40,000 expected). More information was collected from the CHP manufacturer, Nissen Energy, and a high-level analysis was performed to determine the best direction.

With the engine inoperable, the Authority was losing on cost savings from energy generation, renewable energy credits sold based on the amount of energy generated, and revenue from tipping fees from fats, oils, and grease (FOG), meaning the sooner the engine could be running again, the sooner those savings/revenue will start to be realized again.

The analysis, which is detailed further in the memo for the agenda item, determined it was in the Authority's best interest to move forward with the repairs, and emergency approval was given.

Shortly after the emergency authorization was given to move forward with the repair of the engine on CHP 2, it had been determined that the engine on CHP 1 also needed significant repairs in order to keep functioning. Prior to the failure of CHP 2, CHP 1 was having issues as well, which were assumed to be less significant in nature. Since the engine still was not running properly, Nissen investigated it further while they were performing the repairs on CHP 2. Nissen started off with minor adjustments, and thought the issue was solved until it failed again. After further analysis, the engine had some significant wear similar to what lead to the issues experienced on CHP 2. Nissen advised that if repairs were not completed on CHP 1, another failure similar to what occurred in CHP 2 would also happen. The Authority's Maintenance Superintendent investigated these findings separately and agreed.

CHP 1 only has 10,466 hours on it, meaning it still has approximately 30,000 hours of useful life. After performing a similar cost/benefit analysis on CHP 1 as to what was performed for CHP 2, taking into account the much younger life of the engine, it was determined to be in the Authority's best interest to move forward with the repairs as soon as possible. Emergency approval was given again. Further discussion is being held with the Technical Advisory Committee as to the future of the CHP units, and other alternatives.

Unfortunately, after the repairs were completed on CHP 1, it began experiencing the same issues again. While Nissen is still investigating these issues the Authority intends to withhold any payment for the work completed on CHP 1 as there is concern the work

may have not actually been needed. However, the Authority is still seeking approval from the EOC on the amount invoiced, in the event the problem is rectified and no additional fees are incurred.

Therefore, the Authority is seeking two separate requests;

- Retroactive approval for Nissen Energy to make the repairs to CHP 2 in the amount of \$44,000.
- Retroactive approval for Nissen Energy to make the repairs to CHP 1 in the amount of \$37,962.

The repair costs will be charged to CY2024's budget item 270-520976.

Mr. Streicher explained that, while still in GWA's favor to make the repairs, the costs are having a negative impact on the ROI for the CHP engines; however, as GWA receives approximately \$6,000/week in revenues from the High Strength receiving program, the decision was made to make the repairs as quickly as possible to get the system back up and running.

Mr. Streicher stated that the invoice for CHP 1 repair, in the amount of \$37,962, is being held as the repairs the invoice covers, did not resolve the problem with the engine; as the engine ran for less than 5 days before the problem returned. Mr. Streicher advised that the service technician from Nissen had been out the previous day to diagnosis and correct the problem. Mr. Streicher stated that CHP 1 was started this morning; however, he wants to see what Nissen says about the matter, as it seems that the repair performed were not necessarily needed, and he intends to discuss the matter with Nissen. Mr. Streicher added that approving the invoice for CHP 1 now will prevent him from having to do an email poll approval or have the item on a future agenda once he has discussed with Nissen.

Nr. Niehaus noted that in the bigger picture, he was aware of some email exchanges from Trustee Bachner after the last meeting, and believes the TAC is going to take a much broader look at the CHP engines, as to whether or not it is worth it long-term to continue. Mr. Streicher noted that he did have an item further down the agenda for a quick discussion about this topic to bring the EOC Committee up to speed on the subject, but there is not any type of formal documentation.

Mr. Franz motioned and Mr. Niehaus seconded the motion to Retroactively approve Nissen Energy to make the repairs to CHP 2 in the amount of \$44,000.

And

Retroactively approve Nissen Energy to make the repairs to CHP 1 in the amount of \$37,962, contingent upon further review by the Executive Director;

Both invoices will be charge to CY2024's budget item 270-520976. *President Giagnorio, President Senak, Trustee Christiansen, Mr. Niehaus, Mr. Franz, and Mr. Goldsmith responded "Aye" during a roll vote. The motion carried.*

8. Financing Discussion

In continuation with the process of obtaining a bond to finance the Primary Clarifier and Gravity Thickener Improvements Project, in November 2023 the Authority worked with its financial advisor and bond council to obtain a confidential bond rating from Moody's. After going through the interview and application process, unfortunately, the bond rating given to the Authority was not desirable. Therefore, several options were evaluated internally by Village Management, Finance staff, and the Authority. Two options other than having the Authority issue a bond are: to have the Authority exhaust its cash reserves and the Village's make a large contribution to cover the remaining capital cost of the project without financing, or to have the Village with the higher credit rating (Village of Glen Ellyn) issue the bond and transfer the bond funds to the Authority

With the latter of the two options being determined to be the most cost effective, the Authority's bond council authored an amendment to the existing Intergovernmental Agreement allowing the Village of Glen Ellyn to issue a bond for the Authority's use, with the intent to have the Authority pay back the Village of Glen Ellyn via a predetermined repayment schedule with the revenue generated from each member Village.

The Authority is requesting the Executive Oversight Committee to recommend to each respective Village board to amend the Intergovernmental Agreement to include the additional language enclosed within this packet.

Mr. Streicher advised he would be passing this item off to Patrick Brankin, Finance Director for the Village of Glen Ellyn, as well as Mr. Niehaus and Mr. Franz for an update.

Mr. Franz, stated all parties agree the best approach is for the Village of Glen Ellyn to issue the bond, and after consulting with the Village's financial advisor, who advised that the issuance of the bond would not negatively impact the Village's bond rating, Mr. Franz indicated that this is the most workable approach to provide the necessary financing for the project.

Mr. Niehaus referenced a spreadsheet that was distributed prior to the meeting and stated that if the bond issuance had proceeded using the Village of Lombard's rating, the interest rate would have been 4.7%; however, by using the Village of Glen Ellyn's rating, the interest rate will be 3.83%, a full percentage point lower.

Mr. Niehaus, continued by stating that by using Lombard's bond rating, the total debt service over the life of the bond, would have been \$10,771,000; and by using Glen Ellyn's bond rating, the total debt service will be \$9,631,000 or a savings of \$1.139

million, and would save the Village of Lombard \$621,455. Mr. Niehaus explained that out of respect for the Village of Glen Ellyn bearing all the burden of the bond, the Village of Lombard intends to pay approximately 50% of the savings, \$310,725; which is equal to approximately \$15,000 a year, to Glen Ellyn as an administration fee.

Mr. Franz indicated there is still work to be done to complete an agreement to cover this. Mr. Franz asked Mr. Brankin for his input.

Mr. Brankin noted that the estimated bond amount discussed in December will need to be finalized; and based on conversations with Mr. Streicher about future projects that may require the issuance of a bond, he feels it is best not to list specific dollar amounts, so there will be no need to revise the IGA each time an issuance of bond may be needed.

Mr. Niehaus stated that the Village Lombard does intend to take steps, annually to get private bond ratings in an effort to improve their rating in the event there is a need to issue bond again.

Trustee Christiansen and President Giagnorio commended staff from both Villages on coming together and finding a satisfactory resolution to the problem.

Mr. Goldsmith asked who was responsible for creating the draft of the IGA. Mr. Franz advised that the Village of Glen Ellyn is working with the Authority's Bond Council, Kyle Harding of Chapman and Cutlet, on drafting the IGA.

Mr. Senak stated that the cooperation between Mr. Franz and Mr. Niehaus demonstrates how the existing IGA works for both Villages. Mr. Senak noted that the Village of Lombard has been good to the Village of Glen Ellyn in the past on matters, and this is Glen Ellyn's opportunity to reciprocate the good will.

Mr. Streicher expressed his gratitude and appreciation to both Villages for taking the lead in this process for GWA.

Mr. Niehaus motioned and Trustee Christiansen seconded the motion to direct staff to prepare the necessary IGA's under the terms outlined. President Senak, President Giagnorio, Trustee Christiansen, Mr. Niehaus, Mr. Franz, and Mr. Goldsmith responded "Aye" during a roll vote. The motion carried.

9. Discussion

9.1 CHP Replacement Planning and Alternatives

9.1.1 CHP Replacement

9.1.2 Renewable Natural Gas

9.1.3 Steam Turbine Electric Generation

9.1.4 Other Alternatives

Mr. Streicher summarized some the ideas the TAC and GWA staff have been investigating, with Renewable Natural Gas leading the discussions. Mr. Streicher noted that while the renewable natural gas option is gaining popularity, it would require a significant investment in infrastructure to scrub the methane gas even more than the system does now, so it can be injected in the natural gas pipeline.

Mr. Streicher noted that GWA staff wanted to demonstrate, that in response to not only Trustee Bachner's inquiries, but to others as well, that other options are being researched in depth. Mr. Streicher noted that GWA is not the only facility experiencing issues with the Nissen engines, as Downers Grove and Kishwaukee Water Reclamation District are all having similar issues. Mr. Streicher added that in the six (6) years GWA has had the CHP engines, one has averaged 35% up-time and the other has averaged close to 40% up-time, while the goal had been for both to be 80-90% up-time.

Mr. Franz asked if it was time to flip the usage of the engines to favor the engine with the lower amount of hours on it. Mr. Streicher advised that GWA does routinely alternate which engine is the "lead" engine, focusing on the engine with the greater amount of life left on it.

Mr. Franz asked if Baxter & Woodman will be digging into this issue as part of the facilities plan work and make recommendations on what the best option(s) are. Mr. Streicher noted that at this point in time, it might be too soon for that type of evaluation, since there is still at least one (1) year of life left on one of the engines.

Mr. Senak noted that at some point in the future, GWA will be coming forward with the best proposal to go forward with. Mr. Streicher agreed, noting that there are grant opportunities; however, GWA would need to be a part of a coalition with other wastewater treatment facilities to be eligible for a grant, and the funds from which would have to be utilized within five (5) years after the award. President Senak asked if the grant was for the renewable natural gas option. Mr. Streicher confirmed it was.

President Senak asked if renewable natural gas was the better environmental alternative of the ones GWA is investigating. Mr. Streicher indicated that it depends on how it's viewed; but all options involve decarbonization; and therefore, all are environmentally proactive. Mr. Streicher added that part of what makes the Combined Heat & Power attractive is that GWA is able to generate electric power and not draw off the grid; while renewable natural gas reduces reliance on coal energy and has a greater economy of scale.

10. Other Business

10.1 Technical Advisory Committee Updates

11. ***Next EOC Meeting - The next regularly scheduled EOC Meeting is set for Thursday, February 8, 2024 at 8:00 a.m.***

Mr. Streicher noted that, at this time, he does not anticipate any items that would require EOC Committee approval. Mr. Streicher noted that there are two (2) major projects that will be brought forward in the near future for approval, the Primary Clarifier Rehabilitation and the Bemis Road resurfacing which will hopefully include GWA's admin building parking lot; therefore, there is a potential for the February EOC Meeting to be cancelled due to a lack of agenda items. Cancellation notice will be sent once a firm decision has been made

Mr. Franz inquired about the approval for the bond project. Mr. Streicher stated that it will be going out for bid near the end of January, with the bid opening mid to late February. Mr. Niehaus stated he was comfortable with the time frame.

Mr. Niehaus made the motion to adjourn the January 18, 2024 EOC Committee meeting and President Giagnorio seconded the MOTION. President Senak, President Giagnorio, Trustee Christiansen, Mr. Niehaus, Mr. Franz, and Mr. Goldsmith, responded "Aye" during a roll call. The motion carried. The meeting adjourned at 8:29 a.m.

Submitted by:

Gayle A. Lendabarker
GWA Executive Assistant

SECTION 5.2

VOUCHER REPORTS

**JANUARY, FEBRUARY
AND MARCH 2024**

**GLENBARD WASTEWATER AUTHORITY
APPROVAL OF VOUCHERS
For the meeting in April 2024**

EXPENDITURES:	Check Date	Paid Amount	
Accounts Payable 0124-1	1/15/2024	\$ 479,328.89	
Accounts Payable 0124-2	2/1/2024	\$ 355,438.96	
Accounts Payable 0224-1	2/15/2024	\$ 89,000.72	
Accounts Payable 0224-2	2/29/2024	\$ 111,479.62	
Accounts Payable 0324-1	3/15/2024	\$ 278,646.47	
Accounts Payable 0324-2	4/1/2024	\$ 592,007.62	
		<u>\$ 1,905,902.28</u>	\$ 1,905,902.28

PAYROLL EXPENDITURES:	January 26, 2024	February 9, 2024	February 23, 2024	
Net Employee Payroll Checks	<u>\$ 44,975.81</u>	<u>\$ 44,615.36</u>	<u>\$ 44,869.55</u>	
<u>Employee & Employer Payroll Deductions:</u>				
Employee Deductions*	\$ 23,647.98	\$ 23,094.29	\$ 22,948.27	
IMRF - Employer contribution	\$ 2,903.23	\$ 2,800.52	\$ 2,682.29	
Social Security/Medicare Tax Withheld - Employer portion	\$ 5,047.36	\$ 4,989.54	\$ 4,982.56	
Total Payroll	<u>\$ 76,574.38</u>	<u>\$ 75,499.71</u>	<u>\$ 75,482.67</u>	\$ 227,556.76

PAYROLL EXPENDITURES:	March 8, 2024	March 22, 2024	
Net Employee Payroll Checks	<u>\$ 42,950.24</u>	<u>\$ 43,951.39</u>	
<u>Employee & Employer Payroll Deductions:</u>			
Employee Deductions*	\$ 21,846.96	\$ 22,663.78	
IMRF - Employer contribution	\$ 2,692.53	\$ 2,784.49	
Social Security/Medicare Tax Withheld - Employer portion	\$ 4,736.17	\$ 4,890.52	
Total Payroll	<u>\$ 72,225.90</u>	<u>\$ 74,290.18</u>	<u>\$ 146,516.08</u>

GRAND TOTAL **\$ 2,279,975.12**

* Employee deductions include contributions for pensions, health insurance, union dues and other employee directed deductions such as tax withholdings, 457 & 125 plan contributions and supplemental life insurance.

VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
2 AAREN PEST CONTROL, INC.										
40736		01/27/2023		0124-1	962158	150.00	01/16/2024	INV	PD	PEST CONTROL SVC-DEC 2023
41211		02/02/2024		0224-1	962234	150.00	02/15/2024	INV	PD	PEST CONTROL SVCS--JAN/FE
41364		03/14/2024		0324-2	962332	150.00	03/29/2024	INV	PD	pest control - mar 2024
						450.00				
33 CALCO, LTD.										
AU71806		01/17/2024		0124-2	962206	204.00	01/31/2024	INV	PD	LAB WATER TREATMENT CHEMI
AU72078		03/14/2024		0324-2	962334	285.00	03/29/2024	INV	PD	008061 - LAB SUPPLIES -
AU72562		03/07/2024		0324-2	962334	171.00	03/29/2024	INV	PD	0008061 - LAB SUPPLIES -
						660.00				
37 CDW GOVERNMENT, INC.										
PR90557		02/20/2024		0224-2	962272	30.50	02/29/2024	INV	PD	#4019735-ELECTRICAL SUPPL
47 CINTAS CORPORATION #769										
4178070631		12/26/2023		0124-1	962164	175.51	01/16/2024	INV	PD	#14944758-MAINT SHOP TOWE
4180917184		01/22/2024		0224-1	962236	175.51	02/15/2024	INV	PD	#14944758-MAINT SHOP TOWE
4183728672		02/19/2024		0224-2	962273	175.51	02/29/2024	INV	PD	#14944758-MAINT SHOP TOWE
4186628955		03/18/2024		0324-2	962335	175.51	03/29/2024	INV	PD	#14944758-MAINT SHOP TOWE
						702.04				
62 PADDOCK PUBLICATIONS, INC										
282286		03/06/2024		0324-1	962295	138.00	03/15/2024	INV	PD	NRI BID NOTICE PUBLICATIO
66 DETECTION SYSTEMS & SERVICE INC.										
S2401267		12/15/2023		0124-1	962168	336.00	01/16/2024	INV	PD	ANNUAL ALARM MONITORING-2
78 DUPAGE SECURITY SOLUTIONS, INC.										
60463		12/27/2023		0124-1	962171	58.90	01/16/2024	INV	PD	OPERATIONS SUPPLIES - DEC
60637		02/29/2024		0324-1	962297	29.95	03/15/2024	INV	PD	GBWW - BLDG MTNCE - FEB 2
						88.85				
86 EESCO, A DIVISION OF WESCO DISTRIBUTION INC										
134145		01/03/2024		0124-1	962172	993.58	01/16/2024	INV	PD	#81199-00-ELECTRICAL TOOL
208143		02/05/2024		0324-1	962298	1,885.05	03/15/2024	INV	PD	#81199-00-ELECTRICAL PART
						2,878.63				
97 FIRST ENVIRONMENTAL LABORATORIES, INC.										
180734		01/08/2024		0124-1	962173	336.00	01/16/2024	INV	PD	LAB SERVICE-SLUDGE MONITO
180735		01/08/2024		0124-1	962173	356.40	01/16/2024	INV	PD	LAB SERVICES MONTHLY NPDE
180841		01/16/2024		0124-2	962214	237.60	01/31/2024	INV	PD	LAB SERVICES - JAN 2024
180856		01/17/2024		0124-2	962214	405.60	01/31/2024	INV	PD	LAB SERVICES - JAN 2024
180891		01/18/2024		0124-2	962214	304.80	01/31/2024	INV	PD	LAB SERVICES-JAN 2024
180892		01/18/2024		0124-2	962214	117.60	01/31/2024	INV	PD	LAB SERVICES-JAN 2024

VENDOR INVOICE LIST

INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
181090		01/31/2024		0224-1	962241	378.00	02/15/2024	INV	PD	LAB SVCS - SLUDGE MONITOR	
181218		02/07/2024		0324-2	962338	356.40	03/29/2024	INV	PD	LAB SERVICES - JAN 2024	
181366		02/15/2024		0224-2	962276	240.00	02/29/2024	INV	PD	LAB SERVICES - FEB 2024	
181427		02/19/2024		0224-2	962276	117.60	02/29/2024	INV	PD	LAB SVCS - FEB 2024	
181775		03/07/2024		0324-1	962300	356.40	03/15/2024	INV	PD	LAB SERVICES - FEB 2024	
181846		03/12/2024		0324-1	962300	232.80	03/15/2024	INV	PD	FACILITY PLAN SPECIAL TES	
181867		03/13/2024		0324-2	962338	237.60	03/29/2024	INV	PD	GLENBD - LAB SUPPLIES - M	
182019		03/21/2024		0324-2	962338	378.00	03/29/2024	INV	PD	LAB SERVICES - MAR 2024	
182020		03/21/2024		0324-2	962338	378.00	03/29/2024	INV	PD	LAB SERVICES - MAR 2024	
182023		03/21/2024		0324-2	962338	349.20	03/29/2024	INV	PD	LAB SERVICES - MAR 2024	
182024		03/21/2024		0324-2	962338	117.60	03/29/2024	INV	PD	LAB SERVICES - MAR 2024	
182025		03/21/2024		0324-2	962338	116.40	03/29/2024	INV	PD	LAB SERVICES - MAR 2024	
182104		03/22/2024		0324-2	962338	116.40	03/29/2024	INV	PD	LAB SERVICES - MAR 2024	
182162		03/21/2024		0324-2	962338	116.40	03/29/2024	INV	PD	LAB SERVICES - MAR 2024	
						5,248.80					
119 HACH COMPANY											
13931675		01/21/2024		0324-1	962304	626.00	03/15/2024	INV	PD	#071607-ANALYZER CHEMICAL	
124 HOME DEPOT USA, INC											
1020101		02/15/2024		0224-2	962280	439.06	02/29/2024	INV	PD	#7114-ELECTRICAL SUPPLIES	
1043707		02/15/2024		0224-2	962280	190.06	02/29/2024	INV	PD	#7114-ELECTRICAL SUPPLIES	
1082185		01/16/2024		0124-2	962218	14.41	01/31/2024	INV	PD	#7114-MAINT SUPPLIES - JA	
1521065		02/15/2024		0224-2	962280	399.00	02/29/2024	INV	PD	#7114-MAINT SUPPLIES - FE	
1621741		02/15/2024		0224-2	962280	4.48	02/29/2024	INV	PD	#7114-MAINT SUPPLIES - FE	
2021524		03/05/2024		0324-1	962306	90.25	03/15/2024	INV	PD	#7114-ELECTRICAL SUPPLIES	
2022087		01/05/2024		0124-2	962218	33.60	01/31/2024	INV	PD	#7114-ELECTRICAL SUPPLIES	
2040568		03/15/2024		0324-2	962341	98.97	03/29/2024	INV	PD	#7114-MAINT SUPPLIES - MA	
4020414		12/14/2023		0124-1	962178	159.80	01/16/2024	INV	PD	#7114-MAINT SUPPLIES-DEC	
4042922		02/02/2024		0224-1	962245	101.60	02/15/2024	INV	PD	#7114-MAINT SUPPLIES - FE	
4042979		02/02/2024		0224-1	962245	32.34	02/15/2024	INV	PD	#7114-MAINT SUPPLIES-FEB	
4193712		12/14/2023		0124-1	962178	-69.98	01/16/2024	CRM	PD	#7114-MAINT-RETURNED ITEM	
43765		02/16/2024		0224-2	962280	41.68	02/29/2024	INV	PD	#7114-MAINT SUPPLIES - FE	
6524684		03/11/2024		0324-2	962341	8.97	03/29/2024	INV	PD	7114 - OPER SUPL - MAR 20	
7085460		02/19/2024		0224-2	962280	9.98	02/29/2024	INV	PD	#7114-MAINT SUPPLIES - FE	
7900788		12/21/2023		0124-1	962178	64.00	01/16/2024	INV	PD	#7114-MAINT EQUIPMENT REN	
8042604		01/29/2024		0224-1	962245	19.52	02/15/2024	INV	PD	#7114-MAINT SUPPLIES - JA	
9024509		02/07/2024		0224-2	962280	5.42	02/29/2024	INV	PD	#7114-MAINT SUPPLIES - FE	
						1,643.16					
157 LEN'S ACE HARDWARE, INC.											
112685/3		01/15/2024		0124-1	962183	14.38	01/16/2024	INV	PD	#331050-PARTS FOR COFFEE	
112687-3		01/15/2024		0124-1	962183	-14.38	01/16/2024	CRM	PD	RETURNED ITEMS - JAN 2024	
112688-3		01/15/2024		0124-1	962183	7.19	01/16/2024	INV	PD	PLUMBING SUPPLIES FOR COF	
112849-3		01/27/2024		0124-2	962222	4.78	01/31/2024	INV	PD	#331050-OPS SUPPLIES-JAN	
						11.97					
171 MCMMASTER-CARR SUPPLY CO.											
16980356		11/02/2023		0124-1	962185	138.92	01/16/2024	INV	PD	#7735700-OPERATIONS SUPPL	
20162866		01/10/2024		0124-1	962185	42.25	01/16/2024	INV	PD	#7735700-OPS PARTS- JAN 2	
20847577		01/23/2024		0124-2	962224	219.19	01/31/2024	INV	PD	#7735700-MAINT SUPPLIES -	

VENDOR INVOICE LIST

INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
21003141		01/25/2024		0224-1	962252	41.96	02/12/2024	INV	PD	#7735700-MAINT SUPPLIES -
21346917		01/31/2024		0224-1	962252	24.24	02/12/2024	INV	PD	#7735700-MAINT SUPPLIES -
22343418		02/19/2024		0324-1	962311	10.38	03/15/2024	INV	PD	7735700 - EQUIP MTNCE - F
22601771		02/22/2024		0324-1	962311	36.75	03/15/2024	INV	PD	7735700 - EQUIP MTNCE - F
23636325		03/12/2024		0324-2	962344	39.56	03/29/2024	INV	PD	7735700 - MTNC SUPL - MAR
23709652		03/13/2024		0324-2	962344	233.03	03/29/2024	INV	PD	#7735700-MAINT SUPPLIES -
24105755		03/20/2024		0324-2	962344	21.28	03/29/2024	INV	PD	7735700-MAINT PARTS/TOOLS
						807.56				
180 RELADYNE -MID-TOWN PETROLEUM INC.										
0708857-IN		03/01/2024		0324-1	962321	1,254.55	03/15/2024	INV	PD	11-0002836-MAINT SUPPLIES
X-489708-IN		02/26/2024		0324-1	962321	260.55	03/15/2024	INV	PD	11-0002836 - OPER SUPL -
X483903-INB		01/25/2024		0124-2	962228	952.00	01/31/2024	INV	PD	#11-0002836-MAINT SUPPLIE
X491156-IN		03/01/2024		0324-1	962321	672.80	03/15/2024	INV	PD	#11-0002836-MAINT SUPPLIE
						3,139.90				
185 KONICA MINOLTA BUSINESS SOLUTIONS INC										
9009710004		12/25/2023		0124-1	962182	90.94	01/16/2024	INV	PD	#146316-COPIER USAGE - DE
9009761091		01/25/2024		0224-1	962248	80.29	02/12/2024	INV	PD	#146316-COPIER USAGE JAN
9009806447		02/25/2024		0324-1	962308	141.00	03/15/2024	INV	PD	146316 - COPIER CONTRACTU
						312.23				
188 MOTION INDUSTRIES INC										
IL10-00778204		02/12/2024		0224-1	962254	112.46	02/15/2024	INV	PD	#80514201-ELECTRICAL SUPP
IL10-00779896		03/11/2024		0324-1	962313	47.14	03/15/2024	INV	PD	#80514201-ELECTRICAL PART
						159.60				
199 NEUCO, INC.										
7391360		12/28/2023		0124-1	962188	343.16	01/16/2024	INV	PD	#GL016-ELECTRICAL PARTS-D
201 NEWARK CORPORATION										
36835006		01/10/2024		0124-1	962189	17.64	01/16/2024	INV	PD	#013415-EELCTRICAL PARTS-
209 NCL OF WISCONSIN INC										
498515		01/24/2024		0124-2	962226	1,344.07	01/31/2024	INV	PD	#17348-LAB SUPPLIES - JAN
500018		02/22/2024		0324-1	962314	78.20	03/15/2024	INV	PD	17348 - CHEMICALS - FEB 2
50029		02/29/2024		0324-1	962314	90.20	03/15/2024	INV	PD	#17348-LAB SUPPLIES - FEB
						1,512.47				
211 OMI INDUSTRIES										
2126342		03/19/2024		0324-2	962347	1,002.04	03/29/2024	INV	PD	OPS-ODOR CONTROL CHEMICAL
218 PATTEN INDUSTRIES, INC.										
P6AC0091226		01/09/2024		0124-2	962204	31.78	01/17/2024	INV	PD	#1512901-FRGHT CHARGES DO
P6AC0091318		01/10/2024		0124-1	962160	79.46	01/16/2024	INV	PD	#1512901-VVLS GENERATOR P
P6AC0091576		01/12/2024		0124-2	962204	3,546.38	01/31/2024	INV	PD	#1512901-ELECTRICAL PUMP-
P6AC0091801		01/17/2024		0124-2	962204	556.32	01/17/2024	INV	PD	#1512901-MAINT ENGINE PAR

VENDOR INVOICE LIST

INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
P6AC0091802		01/17/2024		0124-2	962204	309.28	01/31/2024	INV	PD	#1512901-MAINT ENGINE PAR	
P6AC0091803		01/17/2024		0124-2	962204	85.74	01/17/2024	INV	PD	#1512901-MAINT VVLS ENGIN	
P6AC0091930		01/18/2024		0124-2	962204	87.79	01/31/2024	INV	PD	#1512901-MAINT ENGINE PAR	
P6AR0008599		01/17/2024		0124-2	962204	-32.98	01/17/2024	CRM	PD	#1512901-CREDIT FOR FREIG	
P6SC0091319		01/10/2024		0124-1	962160	942.40	01/16/2024	INV	PD	#1512901-VVLS GENERATOR O	
W1033901		12/20/2023		0124-1	962160	2,047.80	01/16/2024	INV	PD	#1512901-EQUIPMENT RENTAL	
224 POLYDYNE INC						7,653.97					
1800001		01/09/2024		0224-1	962256	15,456.00	01/31/2024	INV	PD	#103379-CHEMICALS-JAN 202	
1813665		02/29/2024		0324-1	962318	15,456.00	03/15/2024	INV	PD	#103379-OPS POLYMER-FEB 2	
226 PORTER PIPE AND SUPPLY CO						30,912.00					
12729668-00		02/01/2024		0224-1	962257	286.83	02/12/2024	INV	PD	#1823-MAINT SUPPLIES - FE	
12731818-00		02/05/2024		0224-1	962257	153.18	02/12/2024	INV	PD	#1823-MAINT SUPPLIES - FE	
12748750-00		03/12/2024		0324-2	962349	146.05	03/15/2024	INV	PD	#1823-MAINT SUPPLIES - MA	
12748816-00		03/05/2024		0324-1	962319	79.91	03/15/2024	INV	PD	#1823-MAINT-PARTS-MAR 202	
12751465-00		03/12/2024		0324-1	962319	5,990.34	03/15/2024	INV	PD	#1823-ELECTRICAL PART-MAR	
12753978-00		03/13/2024		0324-2	962349	86.13	03/29/2024	INV	PD	1823 - OPER SUPL - MAR 20	
252 SCHANER'S WASTEWATER PRODUCTS INC.						6,742.44					
28331		12/31/2023		0224-1	962261	5,524.25	01/31/2024	INV	PD	OPS-CHEMICALS - DEC 2023	
261 SIEVERT ELECTRIC SERVICE AND SALES CO.											
I0001977		11/21/2023		0124-2	962230	1,760.00	01/31/2024	INV	PD	C001019-ANNUAL CRANE INSP	
271 TERRACE SUPPLY COMPANY											
0001056567		02/29/2024		0324-1	962325	49.59	03/15/2024	INV	PD	315850 - CYLINDER RENTAL	
1054815		12/31/2023		0124-1	962198	53.01	01/16/2024	INV	PD	#315850-MAINT CYLINDER RE	
1055693		01/31/2024		0224-1	962264	53.01	02/12/2024	INV	PD	MAINT WELDING GAS CYLINDE	
289 HD SUPPLY INC						155.61					
INV00222487		12/14/2023		0124-1	962199	849.73	01/16/2024	INV	PD	#222656-LAB SUPPLIES - DE	
INV00281497		02/19/2024		0324-1	962328	340.93	03/15/2024	INV	PD	#222656-LAB SUPPLIES - FE	
INV00288809		02/27/2024		0324-1	962328	384.19	03/15/2024	INV	PD	#222656-LAB SUPPLIES - FE	
293 VILLAGE OF GLEN ELLYN						1,574.85					
432720 1223		01/01/2024		0124-2	962215	3.03	01/17/2024	INV	PD	432720 WATER NOV/DEC 23	
432720-DEC23-JAN24		02/01/2024		0224-1	962242	2.93	02/15/2024	INV	PD	#432720-WATER SVC-DEC23-J	
432720-JANFEB2024		03/01/2024		0324-1	962301	2.53	03/15/2024	INV	PD	432720-WATER USAGE JAN/FE	
5489		02/04/2024		0224-2	962277	50.00	02/29/2024	INV	PD	#9289-VGEPD FALSE ALARM C	
610130 1223		01/01/2024		0124-2	962215	869.74	01/17/2024	INV	PD	610130 WATER NOV/DEC 23	
610130-DEC23-JAN24		02/01/2024		0224-1	962242	991.69	02/15/2024	INV	PD	#610130-WATER SVC DEC 202	
610130-JANFEB2024		03/01/2024		0324-1	962301	1,039.25	03/15/2024	INV	PD	#610130-WATER USAGE - JAN	

VENDOR INVOICE LIST

INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
IFT-230.2		01/31/2024		0124-1	3835	13,708.34	01/31/2024	DIR	PD	MONTHLY IFT TRANSFER TO V	
IFT-231		02/05/2024		0224-2	3873	13,708.34	02/07/2024	DIR	PD	MONTHLY IFT TRANSFER	
IFT-232		03/05/2024		0324-2	3905	13,708.34	03/20/2024	DIR	PD	MONTHLY IFT TRANSFER	
						44,084.19					
295 VILLAGE OF LOMBARD											
30042-001 NOV 23		01/01/2024		0124-1	962184	15.75	01/17/2024	INV	PD	30042-001 NOV/DEC 23 WATE	
30042-001-DEC 2023		02/01/2024		0224-1	962251	16.15	02/15/2024	INV	PD	#30042-001-WATER SVC-DEC	
30042001-JAN2024		03/01/2024		0324-1	962309	679.83	03/15/2024	INV	PD	#30042-001-CSO WATER SVC-	
31774-001-DEC2023		02/01/2024		0224-1	962251	26.60	02/15/2024	INV	PD	#31774-001-WATER SVC-DEC	
31774-01 1123		01/01/2024		0124-2	962223	25.25	01/17/2024	INV	PD	31774-001 WATER NOV/DEC 2	
31774001-JAN2024		03/01/2024		0324-1	962309	16.15	03/15/2024	INV	PD	#31774001-WATER USAGE - J	
						779.73					
297 W.W. GRAINGER, INC.											
9001035998		01/29/2024		0224-1	962243	60.26	02/15/2024	INV	PD	#801764762-OFFICE SUPPLIE	
9006870217		02/01/2024		0224-1	962243	980.18	02/15/2024	INV	PD	#801764762-MAINT SUPPLIES	
9010316512		02/06/2024		0224-1	962243	83.10	02/15/2024	INV	PD	#801764762-MAINT SUPPLIES	
9010562644		02/06/2024		0224-1	962243	7.21	02/15/2024	INV	PD	#801764762-MAINT SUPPLIES	
9013609012		02/08/2024		0224-1	962243	98.52	02/15/2024	INV	PD	#801764762-ELECTRICAL PAR	
9018650110		02/13/2024		0224-2	962278	218.25	02/29/2024	INV	PD	#801764762-JANITORIAL SUP	
9039506291		03/04/2024		0324-1	962302	149.38	03/15/2024	INV	PD	#801764762-MAINT SUPPLIES	
9041328486		03/05/2024		0324-1	962302	251.68	03/15/2024	INV	PD	#801764762-ELECTRICAL PAR	
9042348012		03/05/2024		0324-1	962302	53.23	03/15/2024	INV	PD	#801764762-ELECTRICAL SUP	
9042355520		03/05/2024		0324-1	962302	8.22	03/15/2024	INV	PD	#801764762-ELECTRICAL PAR	
9049426886		03/12/2024		0324-2	962339	459.54	03/29/2024	INV	PD	801764762 - MAINT ELECTRO	
9051391911		03/13/2024		0324-2	962339	153.79	03/29/2024	INV	PD	801764762 - SAFETY SUPL -	
9052653871		03/14/2024		0324-2	962339	11.86	03/29/2024	INV	PD	801764762 - ELEC SUPL - M	
9058969883		03/20/2024		0324-2	962339	328.25	03/29/2024	INV	PD	#801764762-ELECTRICAL PAR	
9059958752		03/21/2024		0324-2	962339	900.32	03/29/2024	INV	PD	#801764762-ELECTRICAL-ELE	
9946633220		12/28/2023		0124-1	962176	680.50	01/16/2024	INV	PD	#801764762-CSO WATER HEAT	
9950237033		01/03/2024		0124-1	962176	108.00	01/16/2024	INV	PD	#801764762-ELECTRICAL SUP	
995060901		01/08/2024		0124-1	962176	94.64	01/16/2024	INV	PD	#801764762-ELECTRICAL HEA	
9959394017		01/11/2024		0124-1	962176	22.47	01/16/2024	INV	PD	#801764762-ELECTRICAL SUP	
9965903314		01/17/2024		0124-2	962216	19.85	01/31/2024	INV	PD	#801764762-MAINT TOOL PAR	
9974550221		01/24/2024		0124-2	962216	13.40	01/31/2024	INV	PD	#801764762-MAINT TOOLS-JA	
9976022724		01/25/2024		0124-2	962216	73.73	01/31/2024	INV	PD	#801764762-REPLACEMENT FI	
						4,776.38					
300 WATER ENVIRONMENT FEDERATION											
339223		11/21/2023		0124-1	962202	1,859.00	01/16/2024	INV	PD	ANNUAL MEMBERSHIPS ALL ST	
413 DRYDON EQUIPMENT, INC											
798		12/20/2023		0124-1	962170	574.76	01/16/2024	INV	PD	GLENBARDWWA-OPEATIONS PA	
813		01/09/2024		0124-2	962213	452.14	01/31/2024	INV	PD	OPS-FLAME ARRESTER GASKET	
818		01/19/2024		0124-2	962213	1,260.36	01/31/2024	INV	PD	OPS-VAREC MANUAL DRIP TRA	
						2,287.26					
425 FASTENAL COMPANY											
ILADD118582		02/21/2024		0324-1	962299	13.19	03/15/2024	INV	PD	#ILADD0997-MAINT SUPPLIES	

VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
461 AMERICAN PUBLIC WORKS ASSOCIATION											
2023-31.1		01/10/2024		0124-1	962161	105.00	01/16/2024	INV	PD	EDUCATIONAL SEMINAR REGIS	
477 UNITED PARCEL SERVICE, INC											
00009YF103114		03/16/2024		0324-2	962352	19.48	03/29/2024	INV	PD	9YF103 - SHIPPING - MAR 2	
9YF103074		02/17/2024		0224-2	962285	19.06	02/29/2024	INV	PD	\$9YF103-ELECTRICAL SHIPPI	
9YF103084-2024		02/24/2024		0224-2	962285	104.03	02/29/2024	INV	PD	#9YF103-HACH SHIPPING CHA	
						142.57					
490 COMCAST CABLE COMMUNICATIONS, LLC											
0017919-APRIL2024		03/25/2024		0324-2	962337	493.06	03/29/2024	INV	PD	#8771200570017919-TV/INTE	
0017919-FEB2024		01/25/2024		0124-2	962209	332.93	01/31/2024	INV	PD	#0017919-TV/INTERNET-FEB2	
0017919-JAN2024		12/25/2023		0124-1	962167	332.93	01/16/2024	INV	PD	#8771200570017919-JAN 202	
03/01/24 - 03/31/24		02/25/2024		0324-1	962292	332.93	03/15/2024	INV	PD	8771200570017919 - TELE S	
						1,491.85					
499 HILTI, INC											
4622445135		02/21/2024		0224-2	962279	116.34	02/29/2024	INV	PD	#10810423-MAINT SUPPLIES	
538 ILLINOIS ENVIRONMENTAL PROTECTION AGENCY											
BILL 28-L172874		11/15/2023		0124-1	3809	318,500.64	01/16/2024	DIR	PD	L17-2874 LOAN PAYMENT NO	
BILL NO 9-L17-5180		02/14/2024		0324-2	3880	510,431.67	03/29/2024	DIR	PD	LOAN PAYMENT L17-5180-BIL	
						828,932.31					
624 ROWELL CHEMICAL CORPORATION											
1401157		02/08/2024		0224-1	962260	9,251.74	02/15/2024	INV	PD	#0799-000-CSO HYPO SUPPLY	
738 SUBURBAN LABORATORIES, INC.											
221139		12/29/2023		0124-1	962195	660.00	01/16/2024	INV	PD	LAB SERVICES-INDUSTRIES T	
221140		12/29/2023		0124-1	962195	1,158.30	01/16/2024	INV	PD	LAB SVCS-INDUSTRIES TESTI	
222006		01/30/2024		0224-1	962263	2,867.90	02/12/2024	INV	PD	LAB SERVICES-INDUSTRIAL U	
222494		02/12/2024		0224-1	962263	902.20	02/15/2024	INV	PD	LAB SVCS-INDUSTRIAL USERS	
						5,588.40					
743 GROOT, INC											
11758393T107		01/01/2024		0124-1	962177	505.48	01/16/2024	INV	PD	#310769434-001-REFUSE HAU	
11989502T107		02/01/2024		0224-1	962244	528.16	02/15/2024	INV	PD	#310769434-001-REFUSE SER	
12126673T107		03/01/2024		0324-1	962303	596.20	03/15/2024	INV	PD	#310769434001-REFUSE SVCS	
						1,629.84					
754 R. H. JOHNSON OIL COMPANY											
49109		02/01/2024		0224-1	962247	1,956.22	02/12/2024	INV	PD	ST. CHAS LS - BACK UP ENG	
49110		02/01/2024		0224-1	962247	1,150.65	02/12/2024	INV	PD	VVLS BACK UP GENERATOR FU	

VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
						3,106.87					
759 NORTHERN SAFETY CO., INC.											
906049428		02/23/2024		0324-1	962315	450.00	03/15/2024	INV	PD	10970382 - SAFETY SUPL -	
768 CINTAS FIRST AID & SAFETY											
8406633648		01/19/2024		0124-2	962208	325.67	01/31/2024	INV	PD	#10127979-MONTHLY FIRST A	
8406680519		02/16/2024		0224-2	962274	409.43	02/29/2024	INV	PD	#10127979-FIRST AID SVC -	
8406726251		03/15/2024		0324-2	962336	215.46	03/29/2024	INV	PD	10127979 - FIRST AID SUPL	
						950.56					
810 STATE FIRE MARSHAL											
9689657		01/18/2024		0124-2	962231	280.00	01/31/2024	INV	PD	ANNUAL BOILER INSPECTIONS	
859 ANALYTICAL SOLUTION, INC											
I2005757		01/20/2024		0124-2	962205	650.00	01/31/2024	INV	PD	BIOGAS TESTING-JAN 2024	
I2005758		01/20/2024		0124-2	962205	200.00	01/31/2024	INV	PD	H2S TESTING-JAN 2024	
						850.00					
876 PITNEY BOWES, INC											
3106590469		03/22/2024		0324-2	962348	186.54	03/29/2024	INV	PD	#16631770-POSTAGE METER R	
881 AIRGAS, INC											
5504599271		01/06/2024		0124-1	962159	120.02	01/16/2024	INV	PD	#2024961-CALIBRATION GAS	
5505338082		02/03/2024		0224-1	962235	120.02	02/15/2024	INV	PD	#2024961-GAS CYLINDER REN	
5506047144		03/02/2024		0324-1	962286	103.67	03/15/2024	INV	PD	#2024961-CALIBRATION GAS	
9145491530	20230004	12/31/2023		0124-1	962159	1,500.00	01/16/2024	INV	PD	LEASE OF ATMOSPHERIC VAPO	
9145610805		01/06/2024		0124-1	962159	409.09	01/16/2024	INV	PD	#2024961-CALIBRATION GAS	
9146456998	20240003	01/31/2024		0224-1	962235	1,500.00	02/15/2024	INV	PD	YR 3 OF 5 YR LEASE OF ATM	
9147437448	20240003	02/29/2024		0324-1	962286	1,500.00	03/15/2024	INV	PD	YR 3 OF 5 YR LEASE OF ATM	
9500824759		12/23/2023		0124-1	962159	10,501.24	01/16/2024	INV	PD	#2024961-LIQUID OXYGEN -	
9500824958		12/30/2023		0124-1	962159	7,539.09	01/16/2024	INV	PD	#2024961-LIQUID OXYGEN-DE	
9500829211		01/06/2024		0124-1	962159	4,054.84	01/16/2024	INV	PD	#2024961-LIQUID OXYGEN -	
9500829211-A		01/06/2024		0124-1	962159	2,130.07	01/16/2024	INV	PD	#2024961-LIQUID OXYGEN -	
9500829470		01/13/2024		0124-2	962203	8,221.61	01/16/2024	INV	PD	#2024961-LIQUID OXYGEN-JA	
9500829687		01/20/2024		0124-2	962203	3,693.63	01/31/2024	INV	PD	#2024961-LIQUID OXYGEN-JA	
9500829879		01/27/2024		0224-1	962235	10,674.37	02/15/2024	INV	PD	#2024961-LIQUID OXYGEN-JA	
9500834222		02/03/2024		0224-1	962235	7,885.34	02/15/2024	INV	PD	#2024961-LIQUID OXYGEN -	
9500834499		02/10/2024		0224-2	962271	6,166.79	02/15/2024	INV	PD	#2024961-LIQUID OXYGEN FE	
9500834949		02/24/2024		0324-1	962286	6,212.10	03/15/2024	INV	PD	2024961 - LIQ OXY - FEB 2	
9500839212		03/02/2024		0324-1	962286	5,971.89	03/15/2024	INV	PD	#2024961-LIQUID OXYGEN -	
9500839515		03/09/2024		0324-1	962286	8,448.23	03/15/2024	INV	PD	#2024961-LIQUID OXYGEN -	
9500839728		03/16/2024		0324-2	962333	6,162.70	03/29/2024	INV	PD	2024961 - LIQUID OXYGEN -	
						92,914.70					
889 ULINE INC											
173470676		01/23/2024		0224-1	962266	206.50	02/12/2024	INV	PD	419483512-OFFICE SUPPLIES	

VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
939 STAPLES CONTRACT & COMMERCIAL INC.										
3556552926		01/03/2024		0124-1	962194	91.12	01/16/2024	INV	PD	DET1680518-OFFICES/LUNCHR
3557026317		01/11/2024		0124-1	962194	43.81	01/16/2024	INV	PD	DET1680518-OFFICE SUPPLIE
3557968959		01/25/2024		0224-1	962262	8.58	02/12/2024	INV	PD	DET1680518-OFFICE SUPPLIE
3557968960		01/25/2024		0224-1	962262	23.57	02/12/2024	INV	PD	#DET1680518-LUNCHROOM SUP
3558940675		02/02/2024		0224-1	962262	53.47	02/12/2024	INV	PD	DET1680518-OFFICE/FIRST A
3558940677		01/29/2024		0224-1	962262	18.68	02/12/2024	INV	PD	DET1680518-OFFICE SUPPLIE
3559430325		02/05/2024		0224-1	962262	19.14	02/12/2024	INV	PD	DET1680518-OFFICE SUPPLIE
3559899486		02/12/2024		0224-2	962283	211.35	02/29/2024	INV	PD	DET1680518-COPIER PAPER -
3561730948		02/28/2024		0324-1	962324	7.37	03/15/2024	INV	PD	DET1680518-OFFICE SUPPLIE
						477.09				
952 PROGRAM ONE PROFESSIONAL BUILDING SERVICES INC.										
175418		02/27/2024		0324-1	962320	269.00	03/15/2024	INV	PD	175418 - WINDOW CLEANING
958 BAXTER & WOODMAN, INC.										
253643	20230005	12/18/2023		0324-1	962287	172.50	03/15/2024	INV	PD	ASSISTANCE WITH LOCAL LIM
985 HOLSTEINS GARAGE										
3000		02/29/2024		0324-2	962340	45.00	03/15/2024	INV	PD	SAFETY LANE VEHICLE #643-
988 VERIZON WIRELESS SERVICES LLC										
9952575678		12/23/2023		0124-1	962201	947.35	01/16/2024	INV	PD	#942620536-00001-CELL SVC
9953162354		01/01/2024		0124-1	962201	274.25	01/16/2024	INV	PD	#842065533-00001-REMOTE S
9955047139		01/23/2024		0224-1	962268	947.47	02/12/2024	INV	PD	#942620536-00001-STAFF CE
9955631893		02/01/2024		0224-1	962268	274.25	02/15/2024	INV	PD	#842065533-00001-REMOTE S
9957503931		02/23/2024		0324-1	962330	947.47	03/15/2024	INV	PD	#942620536-00001-CELLULAR
9958088210		03/01/2024		0324-1	962330	274.25	03/15/2024	INV	PD	#842065533-00001-REMOTE S
						3,665.04				
993 SIEMENS INDUSTRY, INC.										
5331232801		01/01/2024		0124-1	962193	12,107.00	01/16/2024	INV	PD	#30264322-ANNUAL FIRE SYS
994 DIRECT ENERGY MARKETING, INC.										
233480053253454		12/14/2023		0124-1	962169	44,685.21	01/16/2024	INV	PD	#1846612-ELECTRICAL USAGE
240170053489076		01/17/2024		0124-2	962212	4,603.64	01/31/2024	INV	PD	#1152328-ELECTRICAL USAGE
240250053561480		01/25/2024		0324-1	962296	43,357.81	03/15/2024	INV	PD	#1846612-ELECTRIC USAGE -
240430053692212		02/12/2024		0224-2	962275	7,760.52	02/29/2024	INV	PD	#1152328-ELECTRIC USAGE S
240460053725137		02/15/2024		0324-1	962296	46,355.13	03/15/2024	INV	PD	#1846612-ELECTRIC USAGE -
						146,762.31				
1001 TROTTER AND ASSOCIATES, INC.										
22874		01/28/2024		0224-1	962265	852.25	02/15/2024	INV	PD	GWA014-PARKING LOT EXPAN
22875.R		01/28/2024		0324-1	962326	684.00	03/15/2024	INV	PD	GWA013-LAND CLEARING-JAN
23041		02/29/2024		0324-1	962326	9,227.50	03/15/2024	INV	PD	LAND CLEARING&SITE PREP P
23042		02/29/2024		0324-1	962326	15,047.84	03/15/2024	INV	PD	MAIN ENTRANCE PARKING LOT

VENDOR INVOICE LIST

INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
						25,811.59					
1023 HUBER TECHNOLOGY											
CD10025924		12/25/2023		0124-1	962179	763.00	01/16/2024	INV	PD	#122494-ELECTRICAL PARTS	
1070 REVERE ELECTRIC SUPPLY											
S5068212.001		01/26/2024		0224-1	962258	672.58	02/12/2024	INV	PD	#105806-ELECTRONICS PARTS	
S5082120.001		02/27/2024		0324-1	962322	752.98	03/15/2024	INV	PD	105806 - MTNCE ELEC - FEB	
						1,425.56					
1074 UNISON SOLUTIONS, INC.											
2024-9869	20240004	02/20/2024		0324-1	962327	673.27	03/15/2024	INV	PD	CHP H2S REMOVAL MEDIA	
2024-9884	20240004	02/28/2024		0324-1	962327	28,908.00	03/15/2024	INV	PD	CHP H2S REMOVAL MEDIA	
						29,581.27					
1086 LABSTRONG CORP											
15032		01/30/2024		0224-1	962249	146.56	02/12/2024	INV	PD	LAB DISTILLER PARTS-JAN 2	
1087 NOVASPECT, INC.											
CD99269449		01/26/2024		0124-2	962227	2,375.95	01/31/2024	INV	PD	#95376-MAINT PARTS - JAN	
CD99275243		03/14/2024		0324-2	962346	1,361.69	03/29/2024	INV	PD	95376 - MTNCE SUPL - MAR	
						3,737.64					
1102 JULIE, INC.											
2024-0721		01/08/2024		0124-2	962220	271.29	01/31/2024	INV	PD	GWWA0A-ANNUAL MEMBERSHIP	
1103 HOERR CONSTRUCTION INC.											
123-692	20230011	12/06/2023		0124-2	962217	253,005.30	01/16/2024	INV	PD	NRI REHABILITATION PROJEC	
123-784REV	20230011	01/08/2024		0324-1	962305	33,592.50	03/15/2024	INV	PD	NRI REHABILITATION PROJEC	
						286,597.80					
1133 LAUTERBACH & AMEN, LLP											
88954		03/19/2024		0324-2	962343	10,800.00	03/21/2024	INV	PD	Audit FY 2023	
1135 LIBERTY PROCESS EQUIPMENT, INC.											
0101347-IN		02/13/2024		0224-2	962281	1,677.00	02/29/2024	INV	PD	GLEWA-MONYO PUMP REPLACEM	
1138 CONSTELLATION ENERGY SERVICES INC											
3937917		01/12/2024		0124-2	962211	10,752.37	01/16/2024	INV	PD	#BG-11933-NATURAL GAS USA	
3963887		02/23/2024		0324-1	962294	14,829.61	03/15/2024	INV	PD	BG-11933 - NAT GAS - JAN	
						25,581.98					
1147 ILLINOIS AMERICAN WATER COMPANY											
1025-220008432566 NO		12/22/2023		0124-1	962180	73.37	01/17/2024	INV	PD	1025-220008432566 NOV/DEC	

VENDOR INVOICE LIST

INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
8432566-FEB2024		02/27/2024		0324-1	962307	71.50	03/15/2024	INV	PD	#1025-22888432566-VVLS WA	
8432566-JAN2023		01/30/2024		0224-1	962246	71.73	02/15/2024	INV	PD	#1025-220008432566 - VVLS	
						216.60					
1149 AQUATICS INFORMATICS INC.											
107305		01/08/2024		0124-1	962162	4,993.00	01/16/2024	INV	PD	LINKO SOFTWARE RENEWAL -	
1160 CHICAGO METROPOLITAN FIRE PREVENTION CO.											
IN00425911		01/14/2024		0124-2	962207	186.75	01/31/2024	INV	PD	ALARM MONITORING VVLS-JAN	
IN00428315		02/27/2024		0324-1	962288	225.00	03/15/2024	INV	PD	ST CHAS LS ANNUAL ALARM I	
IN00428749		02/29/2024		0324-1	962288	245.00	03/15/2024	INV	PD	#6799-VVLS ANNUAL ALARM T	
						656.75					
1167 KOR KLEEN INC.											
12-004273		12/20/2023		0124-1	962174	105.40	01/16/2024	INV	PD	LAUNDRY SERVICES-DEC 2023	
1207 1ST AYD CORPORATION											
PSI673013		01/25/2024		0224-1	962233	949.53	02/15/2024	INV	PD	6307901901-MAINT SUPPLIES	
1212 RJN GROUP, INC											
30500212	20230001	01/03/2024		0124-1	962191	11,800.00	01/16/2024	INV	PD	FLOW MONITORING SERVICES	
30500213	20240002	02/06/2024		0224-1	962259	11,800.00	02/12/2024	INV	PD	YR 2 OF 6 YR CONTRACT FOR	
30500214	20240002	03/04/2024		0324-1	962323	11,800.00	03/15/2024	INV	PD	YR 2 OF 6 YR CONTRACT FOR	
389111	20220014	01/05/2024		0124-2	962229	7,725.00	01/16/2024	INV	PD	INTERCEPTOR REHABILITATIO	
389112	20220014	02/09/2024		0224-1	962259	4,715.00	02/15/2024	INV	PD	INTERCEPTOR REHABILITATIO	
389113	20220014	03/07/2024		0324-1	962323	9,830.00	03/15/2024	INV	PD	INTERCEPTOR REHABILITATIO	
						57,670.00					
1218 COLLEY ELEVATOR CO.											
252715		11/30/2023		0124-1	962166	218.00	01/16/2024	INV	PD	BE0945-MONTHLY ELEVATOR S	
254125		02/01/2024		0224-1	962238	218.00	02/15/2024	INV	PD	#BE0945-ELEVATOR SVC - FE	
255117		12/29/2023		0324-1	962290	275.00	03/15/2024	INV	PD	#BE0945-NO-LOAD HYDRAULIC	
255523		03/01/2024		0324-1	962290	218.00	03/15/2024	INV	PD	ELEVATOR SVC-MAR 2024	
						929.00					
1223 CAPITAL ONE NATIONAL ASSN											
317500424083799		01/04/2024		0124-2	962225	68.66	01/31/2024	INV	PD	#535690-OPS SUPPLIES-JAN	
317501024042666		01/10/2024		0124-2	962225	35.61	01/31/2024	INV	PD	#535690-OPS SUPPLIES - JA	
317501624031427		01/16/2024		0124-2	962225	13.64	01/31/2024	INV	PD	#535690-OPS SUPPLIES - JA	
317502524089445		01/25/2024		0224-1	962253	53.09	02/12/2024	INV	PD	#535690-OPS SUPPLIES - JA	
317502924016015		01/29/2024		0224-1	962253	9.16	02/12/2024	INV	PD	#535690-OPS SUPPLIES - JA	
317503624024852		02/05/2024		0224-1	962253	29.99	02/15/2024	INV	PD	#535690-OPS SUPPLIES-FEB	
317503724048764		02/06/2024		0224-2	962282	40.93	02/29/2024	INV	PD	#535690-OPS SUPPLIES-FEB	
317503824049018		02/07/2024		0224-2	962282	31.52	02/29/2024	INV	PD	#535690-OPS SUPPLIES - FE	
317504424040190		02/13/2024		0324-1	962312	81.85	03/15/2024	INV	PD	535690 - OPER SUPL - FEB	
317504524036548		02/14/2024		0324-1	962312	15.48	03/15/2024	INV	PD	535690 - OPER SUPL - FEB	
317505124041731		02/20/2024		0324-1	962312	55.90	03/15/2024	INV	PD	535690 - BLDG MTNCE - FEB	
317505924028076		02/28/2024		0324-1	962312	50.45	03/15/2024	INV	PD	#535690-OPERATIONS SUPPLI	

VENDOR INVOICE LIST

INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
317506024129783		02/29/2024		0324-1	962312	270.95	03/15/2024	INV	PD	#535690-OPERATIONS SUPPLI	
317506524029160		03/05/2024		0324-1	962312	24.85	03/15/2024	INV	PD	#535690-OPS SUPPLIES - MA	
317506724061213		03/07/2024		0324-2	962345	173.97	03/29/2024	INV	PD	#535690-OPERATIONS SUPPLI	
317507424062337		03/14/2024		0324-2	962345	74.58	03/29/2024	INV	PD	#535690-OPS SUPPLIES - MA	
317534823069783		12/14/2023		0124-1	962186	30.78	01/16/2024	INV	PD	#535690-OPERATIONS SUPPLI	
						1,061.41					
1234 NISSEN ENERGY INC											
355		12/31/2023		0124-1	3810	3,400.00	01/16/2024	DIR	PD	6307901901-SERVICE CALL -	
356	20240007	12/31/2023		0224-2	3874	37,962.00	02/29/2024	DIR	PD	CHP 1 REPAIR	
357	20240001	12/31/2023		0124-2	3834	44,000.00	01/30/2024	DIR	PD	EMERGENCY REPAIR ON CHP 2	
365		01/29/2024		0224-1	3836	235.00	02/12/2024	DIR	PD	CHP SERVICE CALL-JAN 2024	
379		02/28/2024		0324-1	3877	1,825.00	03/15/2024	DIR	PD	CHP ELECTRIC MOTOR-FEB 20	
						87,422.00					
1248 CONCENTRIC INTEGRATION											
0255684		02/19/2024		0324-1	962293	1,116.26	03/15/2024	INV	PD	0202166 - ELECTRONIC MTNC	
0255686		02/19/2024		0324-1	962293	367.50	03/15/2024	INV	PD	0222182 - ELECTRONIC MTNC	
253641		01/18/2023		0124-2	962210	2,212.32	01/31/2024	INV	PD	PROJ#102166.00-IT SUPPORT	
254620		01/23/2024		0224-1	962240	3,675.00	02/15/2024	INV	PD	PROJ#222182.00-IT SUPPORT	
						7,371.08					
1264 LAWSON PRODUCTS INC											
9311258044		01/30/2024		0224-1	962250	387.05	02/12/2024	INV	PD	#10274594-MAINT SUPPLIES	
1268 JP MORGAN CHASE NA											
BRAJ-65		02/05/2024		0224-2	3872	115.39	02/07/2024	DIR	PD	GUARDAIR-GASKET CUTTING T	
FRER-183		02/05/2024		0224-2	3860	2,392.01	02/07/2024	DIR	PD	LENOVO-WORKSTATION REPLAC	
FRER-184		02/05/2024		0224-2	3861	49.95	02/07/2024	DIR	PD	AMAZON-OPS PHONE CASE	
FRER-185		02/05/2024		0224-2	3862	69.95	02/07/2024	DIR	PD	SMARTDRAW-ANNUAL RENEWAL	
FRER-186		02/05/2024		0224-2	3863	456.53	02/07/2024	DIR	PD	TOUCHBOARDS-DUAL MONITOR	
FRER-187		02/05/2024		0224-2	3864	177.98	02/07/2024	DIR	PD	ETECH CONTROLS-DOOR OPENE	
FRER-188		02/05/2024		0224-2	3865	241.39	02/07/2024	DIR	PD	RADWELL-PARTS	
FRER-189		02/05/2024		0224-2	3866	22.72	02/07/2024	DIR	PD	AMAZON-OFFICE SUPPLIES	
FRER-190		02/05/2024		0224-2	3867	55.25	02/07/2024	DIR	PD	AMAZON-SUPPLIES	
FRER-191		02/05/2024		0224-2	3868	19.20	02/07/2024	DIR	PD	AMAZON-SUPPLIES	
FRER-192		02/05/2024		0224-2	3869	14.99	02/07/2024	DIR	PD	AMAZON-SUPPLIES	
FRER-193		02/05/2024		0224-2	3870	22.99	02/07/2024	DIR	PD	AMAZON-SUPPLIES	
FRER-194		02/05/2024		0224-2	3871	15.94	02/07/2024	DIR	PD	AMAZON-CLEANING SUPPLIES	
FRER-195		03/05/2024		0324-2	3895	23.98	03/20/2024	DIR	PD	AMAZON-FOG SAMPLE CONTAIN	
FRER-196		03/05/2024		0324-2	3896	49.38	03/20/2024	DIR	PD	AMAZON-PORT BATTERY CHARG	
FRER-197		03/05/2024		0324-2	3897	1,952.59	03/20/2024	DIR	PD	FS INDUSTRIES-ROOF ACCESS	
FRER-198		03/05/2024		0324-2	3898	965.00	03/20/2024	DIR	PD	ACF GREENHOUSE-GAS HEATER	
FRER-199		03/05/2024		0324-2	3899	41.95	03/20/2024	DIR	PD	EBAY-ELECTRICAL PARTS	
FRER-200		03/05/2024		0324-2	3900	74.95	03/20/2024	DIR	PD	EBAY-NFPA 70 CODE BOOK	
FRER-201		03/05/2024		0324-2	3901	75.60	03/20/2024	DIR	PD	EBAY-NFPA 70E SAFETY WORK	
FRER-202		03/05/2024		0324-2	3902	57.95	03/20/2024	DIR	PD	EBAY-NFPA 70 CODE 2023	
HENJ-49		01/05/2024		0124-2	3818	15.98	01/08/2024	DIR	PD	YODECK-INTERNAL INFO BOAR	
HENJ-50		02/05/2024		0224-2	3856	795.00	02/07/2024	DIR	PD	APWA-IPSI REGISTRATION DI	
HENJ-51		02/05/2024		0224-2	3857	795.00	02/07/2024	DIR	PD	APWA-IPSI REGISTRATION SO	
HENJ-52		02/05/2024		0224-2	3858	15.98	02/07/2024	DIR	PD	YODECK-INTERNAL INFO HOST	

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INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
HENJ-53		02/05/2024		0224-2	3859	75.00	02/07/2024	DIR	PD	AWWA-SEMINAR HENNING
HENJ-54		03/05/2024		0324-2	3903	89.99	03/20/2024	DIR	PD	AMAZON-RECYCLING CANS
HENJ-55		03/05/2024		0324-2	3904	15.98	03/20/2024	DIR	PD	YODECK.COM-INTERNAL INFO
LENG-636		01/05/2024		0124-2	3819	5.98	01/08/2024	DIR	PD	AMAZON-HOLIDAY SUPPLIES
LENG-637		01/05/2024		0124-2	3820	6.60	01/08/2024	DIR	PD	AMAZON-HOLIDAY SUPPLIES
LENG-638		01/05/2024		0124-2	3821	40.00	01/08/2024	DIR	PD	PARTY CITY-HOLIDAY WARMIN
LENG-639		02/05/2024		0224-2	3837	6.86	02/07/2024	DIR	PD	AMAZON-BATTERIES FOR OPS
LENG-640		02/05/2024		0224-2	3838	6.99	02/07/2024	DIR	PD	AMAZON-LUNCHROOM SUPPLIES
LENG-641		02/05/2024		0224-2	3839	191.25	02/07/2024	DIR	PD	SHRM-CERT PROGRAM TEXT BO
LENG-642		02/05/2024		0224-2	3840	695.00	02/07/2024	DIR	PD	APWA-MAPSI REGISTRATION B
LENG-643		02/05/2024		0224-2	3841	16.99	02/07/2024	DIR	PD	AMAZON-LUNCHROOM SUPPLIES
LENG-644		02/05/2024		0224-2	3842	23.00	02/07/2024	DIR	PD	AMAZON-LUNCHROOM SUPPLIES
LENG-645		02/05/2024		0224-2	3843	104.89	02/07/2024	DIR	PD	TRIBUTE STORE-GOODALIS ME
LENG-646		02/05/2024		0224-2	3844	-221.15	02/07/2024	CRM	PD	STAPLES-CREDIT
LENG-647		02/05/2024		0224-2	3845	204.30	02/07/2024	DIR	PD	STAPLES-OFFICE SUPPLIES
LENG-648		02/05/2024		0224-2	3846	35.00	02/07/2024	DIR	PD	CSWEA-CONFERENCE DILLMAN
LENG-649		02/05/2024		0224-2	3847	-11.25	02/07/2024	CRM	PD	SHRM-CREDIT BOOKS
LENG-650		02/05/2024		0224-2	3848	-7.50	02/07/2024	CRM	PD	COSTCO-SALES TAX CREDIT
LENG-651		02/05/2024		0224-2	3849	26.54	02/07/2024	DIR	PD	AMAZON-OFFICE SUPPLIES
LENG-652		02/05/2024		0224-2	3850	35.00	02/07/2024	DIR	PD	CSWEA-CONFERENCE CHEJLAVA
LENG-653		02/05/2024		0224-2	3851	94.23	02/07/2024	DIR	PD	AT&T-BACKUP INTERNET
LENG-654		03/05/2024		0324-2	3883	23.54	03/20/2024	DIR	PD	AMAZON- OFFICE SUPPLIES
LENG-655		03/05/2024		0324-2	3884	34.98	03/20/2024	DIR	PD	AMAZON-FOG SAMPLE CUPS
LENG-656		03/05/2024		0324-2	3885	72.00	03/20/2024	DIR	PD	AWWAI-CONFERENCE CHEJLAV
LENG-657		03/05/2024		0324-2	3886	9.74	03/20/2024	DIR	PD	AMAZON-OIL CAP
LENG-658		03/05/2024		0324-2	3887	60.00	03/20/2024	DIR	PD	EVENT BRITE-CONFERENCE ST
LENG-659		03/05/2024		0324-2	3888	25.98	03/20/2024	DIR	PD	AMAZON-OFFICE SUPPLIES
LENG-660		03/05/2024		0324-2	3889	41.77	03/20/2024	DIR	PD	AMAZON-WIPES
LENG-661		03/05/2024		0324-2	3890	11.75	03/20/2024	DIR	PD	AMAZON-WIPES
LENG-662		03/05/2024		0324-2	3891	10.16	03/20/2024	DIR	PD	AMAZON-KLEENEX
LENG-663		03/05/2024		0324-2	3892	20.39	03/20/2024	DIR	PD	AMAZON-EYE WASH DUCT COVE
LENG-664		03/05/2024		0324-2	3893	12.11	03/20/2024	DIR	PD	AMAZON-OFFICE SUPPLIES
LENG-665		03/05/2024		0324-2	3894	158.70	03/20/2024	DIR	PD	DULUTH TRADING-UNIFORMS
LENG-693		01/05/2024		0124-2	3822	35.47	01/08/2024	DIR	PD	JEWEL-HOLIDAY SUPPLIES
LENG-694		01/05/2024		0124-2	3823	23.78	01/08/2024	DIR	PD	AMAZON-SUPPLIES
LENG-695		01/05/2024		0124-2	3824	35.00	01/08/2024	DIR	PD	IWEA-CONFERENCE PETERS
LENG-696		01/05/2024		0124-2	3825	35.00	01/08/2024	DIR	PD	IWEA-CONFERENCE STREICHER
LENG-697		01/05/2024		0124-2	3826	21.14	01/08/2024	DIR	PD	AMAZON-COFFEE SUPPLIES
LENG-698		01/05/2024		0124-2	3827	35.00	01/08/2024	DIR	PD	IWEA-CONFERENCE STAAT
LENG-699		01/05/2024		0124-2	3828	46.98	01/08/2024	DIR	PD	AMAZON-COFFEE SUPPLIES
LENG-700		01/05/2024		0124-2	3829	149.00	01/08/2024	DIR	PD	PYRAMID TECH-TIME CLOCK A
LENG-701		01/05/2024		0124-2	3830	94.23	01/08/2024	DIR	PD	AT&T-BACK UP INTERNET DEC
LENG-702		01/05/2024		0124-2	3831	94.23	01/08/2024	DIR	PD	AT&T-BACK UP INTERNET JAN
PAKA-68		01/05/2024		0124-2	3814	274.82	01/08/2024	DIR	PD	B&B NETWORK-TELEPHONE SYS
PAKA-69		01/05/2024		0124-2	3815	172.00	01/08/2024	DIR	PD	DAILY HERALD-BI MONTHLY S
PAKA-70		01/05/2024		0124-2	3816	167.62	01/08/2024	DIR	PD	CHICAGO TRIBUNE-SUBSCRIPT
PAKA-71		01/05/2024		0124-2	3817	183.09	01/08/2024	DIR	PD	HONEYBAKED HAM-HOLIDAY FO
PAKA-72		01/21/2024		0224-2	3875	274.84	02/29/2024	DIR	PD	B&B NETWORK: MONTHLY TELE
PAKA-73		01/17/2024		0224-2	3876	237.89	02/29/2024	DIR	PD	ROSATI'S: STAFF MEETING
PAKA-74		03/05/2024		0324-2	3881	354.37	03/20/2024	DIR	PD	B&B NETWORK-PHONE SUPPORT
PAKA-75		03/05/2024		0324-2	3882	172.00	03/20/2024	DIR	PD	DAILY HERALD-BI-MONTHLY S
STRM-166		01/05/2024		0124-2	3811	236.75	01/08/2024	DIR	PD	MFG EDGE-MAINT PARTS
STRM-167		01/05/2024		0124-2	3812	88.71	01/08/2024	DIR	PD	STAPLES-OFFICE SUPPLIES
STRM-168		01/05/2024		0124-2	3813	13.59	01/08/2024	DIR	PD	ZOOM-MONTHLY MEETING SUB
STRM-169		02/05/2024		0224-2	3852	-88.71	02/07/2024	CRM	PD	STAPLES-CREDIT RETURN (SA

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INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
STRM-170		02/05/2024		0224-2	3853	81.95	02/07/2024	DIR	PD	STAPLES-SUPPLIES	
STRM-171		02/05/2024		0224-2	3854	37.39	02/07/2024	DIR	PD	H TO O SUPPLY-HYDRANT LOC	
STRM-172		02/05/2024		0224-2	3855	13.59	02/07/2024	DIR	PD	ZOOM-MEETING SUBSCRIPTION	
STRM-173		03/05/2024		0324-2	3878	161.33	03/20/2024	DIR	PD	EUAS-DRONE BATTERY MODULE	
STRM-174		03/05/2024		0324-2	3879	13.59	03/20/2024	DIR	PD	ZOOM-MEETING SUBSCRIPTION	
						13,397.12					
1271 SYNAGRO-WWT											
44557		01/01/2024		0124-1	962197	17,203.20	01/16/2024	INV	PD	#3430-SLUDGE REMOVAL-DEC	
45405		02/09/2024		0224-2	962284	31,368.40	02/15/2024	INV	PD	#3430-BIOSOLIDS HAULING-J	
46338		03/01/2024		0324-2	962350	35,981.40	03/15/2024	INV	PD	#3430-BIOSOLIDS HAULING -	
						84,553.00					
1278 TYCO FIRE & SECURITY (US) MANAGEMENT, INC.											
39724412		01/13/2024		0124-2	962219	148.35	01/31/2024	INV	PD	#1300133268280-ALARM MONT	
39724422		01/13/2024		0124-2	962219	176.63	01/31/2024	INV	PD	#1300133259417-ALARM MONT	
						324.98					
1287 INDEPENDENT BEARING INC											
11184		01/15/2024		0124-1	962181	1,298.62	01/16/2024	INV	PD	MAINT-PARTS JAN 2024	
1317 VEOLIA WATER TECHNOLOGIES, INC.											
24000037 RI 05700		01/12/2024		0124-2	962221	1,435.18	01/30/2024	INV	PD	HYDREX	
1331 SWIFTCOMPLY US OPCO INC.											
INV-9444		12/01/2023		0124-1	962196	4,980.00	01/16/2024	INV	PD	ANNUAL SOFTWARE LICENSING	
1340 PETRARCA, GLEASON, BOYLE & IZZO LLC											
35199		03/07/2024		0324-1	962317	150.00	03/15/2024	INV	PD	#G2700-LEGA SERVICES - GE	
1344 VEGA BUILDING MAINTENANCE & SUPPLIES INC											
101309	20230003	12/21/2023		0124-1	962200	1,262.80	01/16/2024	INV	PD	JANITORIAL SERVICES	
101332	20240006	01/31/2024		0224-1	962267	1,262.80	02/12/2024	INV	PD	JANITORIAL SERVICES	
101346	20240006	02/29/2024		0324-1	962329	1,262.80	03/15/2024	INV	PD	JANITORIAL SERVICES	
						3,788.40					
1348 GLEN ELLYN POLICE DEPARTMENT											
5446		01/01/2024		0124-1	962175	200.00	01/16/2024	INV	PD	FALSE ALARM CALL-OUT FEE-	
1364 B&B NETWORKS, INC.											
29041		11/30/2023		0124-1	962163	2,488.34	01/16/2024	INV	PD	ANNUAL TELEPHONE SYSTEM S	
1372 PEERLESS NETWORK, INC.											
41227		01/01/2024		0124-1	962190	3.06	01/16/2024	INV	PD	#GLENBARW9564	
43489		02/01/2024		0224-1	962255	383.19	02/12/2024	INV	PD	#GLENBARDW9564-PHONE USAG	

VENDOR INVOICE LIST

INVOICE	P. O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
45749		03/01/2024		0324-1	962316	383.24	03/15/2024	INV	PD	GLENBARW9564 - TELECOMMUN	
1382 WATER ONE INC						769.49					
18165TN		01/17/2024		0124-2	962232	50.00	01/31/2024	INV	PD	#1029292-BOTTLED WATER SV	
18931TN		02/07/2024		0224-1	962269	29.75	02/12/2024	INV	PD	#1029292-BOTTLE WATER SVC	
19683TN		02/27/2024		0324-1	962331	23.00	03/15/2024	INV	PD	1029292 - OFFICE EXPENSES	
20473TN		03/19/2024		0324-2	962353	43.25	03/29/2024	INV	PD	#1029292-BOTTLED WATER SV	
1385 JEREMY HENNING						146.00					
32924		04/01/2024		0324-2	962342	214.65	04/01/2024	INV	PD	TRAVEL REIMBURSEMENT	
1395 MIDWEST BIOSOLIDS ASSOCIATION INC											
89		01/05/2024		0124-1	962187	406.75	01/16/2024	INV	PD	MEMBERSHIP 2024	
1403 COLLIFLOWER, INC.											
02261784		02/28/2024		0324-1	962291	202.00	03/15/2024	INV	PD	901795 - MAINT EQUIP - FE	
2232640		01/26/2024		0224-1	962239	170.95	02/15/2024	INV	PD	#901795-MAINT SUPPLIES &	
1405 CLOUDMELLOW CONSULTING LTD. CO.						372.95					
237435		01/01/2024		0124-1	962165	95.00	01/16/2024	INV	PD	WEBSITE HOSTING SVC-JAN 2	
240321		02/01/2024		0224-1	962237	95.00	02/15/2024	INV	PD	WEBSITE HOSTING FEES-FEB	
240882		03/01/2024		0324-1	962289	95.00	03/15/2024	INV	PD	GBWW - WEB HOSTING - MAR	
1408 RUSSO HARDWARE						285.00					
SPI20461851		12/05/2023		0124-1	962192	105.96	01/16/2024	INV	PD	CUS20055956-SNOW BLOWER P	
1409 ACCURATE HOME SERVICES, LLC											
34004825		02/21/2024		0224-2	962270	2,890.00	02/29/2024	INV	PD	ADMIN BLDG OVERHEAD DOOR	
1410 M3V DATA MANAGEMENT, LLC											
6146		02/22/2024		0324-1	962310	879.00	03/15/2024	INV	PD	GBWW - SDS UPDATE/SAFETY	
1411 ULTRACHEM LLC											
1385		03/15/2024		0324-2	962351	1,128.75	03/29/2024	INV	PD	OPS-CHEMICALS-MAR 2024	
						1,128.75					
410 INVOICES						1,905,902.28					

VENDOR INVOICE LIST

INVOICE	P.O.	INV DATE	VOUCHER	WARRANT	CHECK #	INVOICE NET DUE DATE	TYPE	STS	INVOICE DESCRIPTION
** END OF REPORT - Generated by Patrick Brankin **									

SECTION 5.3

RATIFICATION OF EMAIL POLL ITEMS

SECTION 5.3.1

AUTHORIZATION TO EXECUTE LETTER OF UNDERSTANDING WITH THE VILLAGE OF GLEN ELLYN

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Email Poll
February 7, 2024

1. Authorization to execute a Letter of Understanding with the Village of Glen Ellyn

During previous Executive Oversight Committee (EOC) meetings discussion has been held regarding the need for the reconstruction of the Administration Building parking lot at the main plant site. This reconstruction project was designed back in 2015 but was put on hold in order to align with the Village of Glen Ellyn repaving Bemis Road.

In late January a meeting was held with Village of Glen Ellyn Public Works Engineering Team to discuss including the Authority's project with the Village's summer road repaving/reconstruction program for economies of scale. One of the bigger aspects of the Village's summer program this year is to reconstruct Bemis, and repave the portion of Sunnybrook in front of the Authority's Administration building. Since the Village's project is inclusive of most of the items included in the Authority's parking lot construction, the favorable option is that the Authority would include its quantities into the Village's base bid, and receive favorable pricing rather than bidding it separately with much smaller quantities. The other option was to attach the Authority's plans/specs onto the Village's bid as an alternate for contractors to bid on. The latter option has the possibility of not yielding favorable results, since contractors have the option to submit different unit prices on alternates, as alternates may not get awarded. The low bid contractor on the base bid may also not be the low bid on the alternate bid, but the Authority would still have to use the low base bid contractor. Therefore, the Authority requested its scope to be included into the Village's base bid.

Glen Ellyn's main concern with the Authority being included in the base bid was that if for some reason the Authority withdrew and removed its project quantities from the contract, it could negatively affect Glen Ellyn's prices on certain line items. Therefore, due to the Authority's preference to be included with the base bid, it was requested that the Authority provide a letter of understanding covering two main components; that the Authority would not withdraw its quantities from the contract after award, and that the Authority will be contributing a portion of the cost to reconstruct Bemis Road due to the increased truck traffic to/from its facility.

It is unlikely the Authority would receive more favorable unit prices bidding separately with smaller quantities, and therefore, the Authority would not wish to back out after the Village awards a contract. In addition, this project is long overdue and should not be delayed further. In regards to the Authority's contribution to the Bemis Road reconstruction, that cost and the Authority's expectations are not defined yet, so the letter is worded in a way that doesn't over obligate the Authority, but agrees to the intent.

Prior to signing this letter of understanding, the Authority is seeking authorization from the EOC to do so.

EXECUTIVE OVERSIGHT COMMITTEE PHONE POLL
February 7, 2024

Agenda Item 1

COMMITTEE MEMBER	CONTACT INFORMATION	APPROVE
Trustee Bachner	bachnerb@villageoflombard.org	Aye via 2/9/24 email @11:15am
Trustee Christiansen	TrusteeChristiansen@glenellyn.org	Aye via 2/7/24 email @1:08pm
President Giagnorio	giagnoriok@villageoflombard.org	
President Senak	PresidentSenak@glenellyn.org	
Manager Franz	mfranz@glenellyn.org	
Manager Niehaus	niehauss@villageoflombard.org	Aye via 2/7/24 email @2:27pm
Director Buckley	dbuckley@glenellyn.org	Aye via 2/9/24 email @8:54am
Director Goldsmith	goldsmithc@villageoflombard.org	Aye via 2/12/24 email @1:48pm

Approvals:

_____ Yes 0 No _____ N/A

**A LETTER OF UNDERSTANDING BETWEEN THE VILLAGE OF GLEN
ELLYN AND THE GLENBARD WASTEWATER AUTHORITY**

This letter of understanding between the Village of Glen Ellyn and the Glenbard Wastewater Authority (hereinafter referred to as the “LOU”) is agreed to as of this 13th day of February, 2024 by and between the Village of Glen Ellyn, DuPage County, (hereinafter referred to as “GLEN ELLYN”), an Illinois municipal corporation, and the Glenbard Wastewater Authority, DuPage County (hereinafter referred to as “GWA”), and is intended to provide for the mutual understanding of items related to Glen Ellyn’s 2024 Reconstruction Utility and Roadway Improvements (hereinafter referred to as “ROADWAY IMPROVEMENTS”) and GWA’s Administration Parking Lot Improvements (hereinafter referred to as “PARKING LOT IMPROVEMENTS”).

I. DEFINITIONS

- A. “Executive Oversight Committee” means the executive oversight committee of GWA.
- B. “TAI” means Trotter & Associates, GWA’s design consultant for the PARKING LOT IMPROVEMENTS project.
- C. “AECOM” means AECOM, GLEN ELLYN’s design consultant for the ROADWAY IMPROVEMENTS project.

II. TERMS OF UNDERSTANDING

- A. TAI will provide quantities, plans, and specifications from GWA’s PARKING LOT IMPROVEMENTS to AECOM no later than 5 p.m., local time, on Tuesday, February 13, 2024 for the purposes of incorporating them into the bidding and contract documents for the ROADWAY IMPROVEMENTS.
- B. TAI will ensure that, when possible, all line items for quantities being bid in the ROADWAY IMPROVEMENTS project shall match quantities for line items already listed.
- C. Glen Ellyn will incorporate quantities, plans, and specifications from GWA’s PARKING LOT IMPROVEMENTS project into the bidding and contract documents for the ROADWAY IMPROVEMENTS project for purposes of providing a base bid and contract that will incorporate both projects.
- D. After GLEN ELLYN awards a bid and enters into contract for the ROADWAY IMPROVEMENTS, GWA will not withdraw from the contract, which could potentially negatively affect GLEN ELLYN’s unit prices.

- E. GWA shall reimburse GLEN ELLYN for all costs related to the PARKING LOT IMPROVEMENTS when invoiced by the contractor that is awarded the ROADWAY IMPROVEMENTS project.
- F. GWA shall use and pay for its design consultant, TAI, for resident engineering work related to the PARKING LOT IMPROVEMENTS portion of construction, separately than any work performed or invoiced by GLEN ELLYN.
- G. GWA shall have its design consultant, TAI, provide any additional changes to plans, quantities, and specifications after a contract is awarded in order to facilitate the combination of the PARKING LOT IMPROVEMENTS into the ROADWAY IMPROVEMENTS project.
- H. GWA shall hold GLEN ELLYN harmless from any claims due to errors and/or omissions in the bidding and contract documents for the ROADWAY IMPROVEMENTS project, whether provided by TAI or AECOM.
- I. GWA shall hold GLEN ELLYN harmless from any claims due to the performance of the PARKING LOT IMPROVEMENTS work included within GLEN ELLYN's contract for the ROADWAY IMPROVEMENTS project.
- J. GWA shall contribute an agreed upon dollar amount to a portion of the ROADWAY IMPROVEMENTS project that relates to the reconstruction of Bemis Road. This amount will be agreed upon between GLEN ELLYN and the Executive Oversight Committee, and shall be within a reasonable amount to what is allocated in GWA's approved CY2024 budget.

IV. EXECUTION

EXECUTED this 14th day of February, 2024, by the Village of Glen Ellyn.

VILLAGE OF GLEN ELLYN

By 
Digitally signed by Rich Daubert
 DN: cn=Rich Daubert, c=US,
 o=Public Works, ou=Village of
 Glen Ellyn,
 email=rdaubert@glenellyn.org
 Date: 2024.02.14 09:52:46 -06'00'
 Professional Engineer

EXECUTED this 13th day of February, 2024, by the Glenbard Wastewater Authority.

GWA

By 
 Executive Director

SECTION 5.4

DECLARATION OF SURPLUS

MEMORANDUM

TO: Executive Oversight Committee

FROM: Jeremy Henning, Assistant Executive Director

DATE: April 11th, 2024

RE: Declaration of Surplus



The Authority regularly purchases a product called Clarifloc from Polydyne, Inc. Clarifloc is a polymer that is used in the dewatering phase of the treatment process and helps create a thicker biosolid and allows our belt filter presses to remove more water from the solids. The polymer is delivered to the authority in 2300 lb. totes that, once emptied, have historically been scheduled for pickup through the distributor for re-use/recycling. The Authority also occasionally uses a few totes for the storage of other liquid waste products such as used engine oil or used cooking oil. The use of the totes is built into the cost of the polymer and there is no additional charge if these totes are used for other purposes and not returned to the distributor.

Per staff suggestion, the Authority requested and moved forward with auctioning off a large lot of these totes in September of 2023 and was successful in getting them sold and picked up. The Authority intends to continue requesting surplus declaration for these totes a couple of times per year to keep their storage space to a minimum and to capture funds from their sale.

The Authority is also requesting that two Apple iPad Pro 11-inch (3rd Generation) WiFi be declared as surplus. These WiFi only tablets were previously used by the electrical department to complete work orders in the Authority's CMMS system. After providing all staff with smart phones in 2023, the electrical staff has found little to no need for these devices. As no other departments are in need of these devices, the Authority is requesting they be marked as surplus as staff is confident some revenue can be generated by auctioning them off.

It is our intent, once declared surplus by the EOC, to post these items to [govdeals.com](https://www.govdeals.com), an online government auction website, with the expectation that some financial benefit would be recovered.

Therefore, enclosed with this memo is the formal resolution auctioning off Empty Polymer Totes (x10), and Apple iPad Pro 11-inch (3rd Generation) WiFi (x2).

**GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee**

RESOLUTION NO. 001-2024

**A resolution authorizing the
sale of equipment --
Ten Empty Polymer Totes, and two Apple iPad Pro 11-inch (3rd Generation) WiFi**

WHEREAS, the Executive Director has made a recommendation for the disposal of a certain item of equipment owned by the Authority, specifically, Ten Empty Polymer Totes, and two Apple iPad Pro 11-inch (3rd Generation) WiFi;

WHEREAS, pursuant to the Intergovernmental Agreement between the Villages of Glen Ellyn and Lombard in Regard to the Glenbard Wastewater Authority, as amended and restated April 17, 2014 (“IGA”), Section II.C.v, this Committee may authorize the sale of equipment of the Authority which it determines to be obsolete and no longer necessary for the operations of the Authority;

NOW, THEREFORE, Be It Resolved by the Executive Oversight Committee of the Glenbard Wastewater Authority, DuPage County, Illinois, as follows:

Section 1. The recitals above are incorporated herein as findings of the Committee.

Section 2. It is hereby determined that the Equipment, as identified above, is obsolete and no longer necessary for the operation of the Authority.

Section 3. The Executive Director is hereby directed to conduct a public auction for the Equipment. If said auction does not result in an acceptable bid, the Executive Director is authorized to donate any unsold items of surplus property to any charitable cause, with preference given to those charities located, or having a presence, in the service area of the Authority. In the event no charitable cause can be found for such purposes, the Executive Director may give the surplus property to any non-profit organization or, at his option, have the items disposed of.

Section 4. The proceeds of the sale shall be deposited into the Capital Fund of the Authority.

Section 5. All resolutions or orders of the Authority, or parts thereof, in conflict with the provisions of this Resolution are, to the extent of such conflict, hereby repealed.

Section 6. This Resolution shall take effect forthwith upon its approval.

PASSED this 11th day of April 2024, by the following vote:

AYES: _____

NAYS: _____

ABSTAIN: _____

ABSENT: _____

APPROVED this _____ day of _____, 2024.

**EXECUTIVE OVERSIGHT COMMITTEE OF
GLENBARD WASTEWATER AUTHORITY,
DU PAGE COUNTY, ILLINOIS**

By: _____
Presiding Officer

Attest: _____
Secretary

STATE OF ILLINOIS)
) SS
COUNTY OF DU PAGE)

CERTIFICATION

I, the undersigned, do hereby certify that I am the duly qualified and acting Secretary of the Executive Oversight Committee of the Glenbard Wastewater Authority, DuPage County, Illinois, and that as such official I am the keeper of the records and files of the Board.

I do further certify that the foregoing is a full, true, and complete copy of the resolution adopted by the Committee at a meeting of the Committee held on the 14th day of September, 2023.

I do further certify that the deliberations of the Committee on the adoption of said resolution were conducted openly, that the vote on the adoption of said resolution was taken openly, that said meeting was duly given to all newspapers, radio or television stations and other news media requesting such notice, that said meeting was called and held in strict compliance with the provisions of the Open Meetings Act of the State of Illinois, as amended, and that the Committee has complied with all of the provisions of said Act and with all of the procedural rules of the Authority and the Committee in the conduct of said meeting.

IN WITNESS WHEREOF, I hereunto affix my official signature this ____ day of _____, 20__.

Secretary, Executive Oversight Committee

SECTION 6.0

APPROVAL OF THE ISSUANCE OF MEMBER DEBT BY THE VILLAGE OF GLEN ELLYN

MEMORANDUM

TO: Executive Oversight Committee

FROM: Matt Streicher, P.E., BCEE, Executive Director

DATE: April 11, 2024

RE: **Approval of issuance of Member Debt**



After exhausting several routes of obtaining financing for the Primary Clarifier and Gravity Thickener Improvements Project, the Finance Directors and financial advisors recommended method was for the Village of Glen Ellyn to issue debt for the Authority, with the Authority repaying the Village of Glen Ellyn for said debt.

Each respective Village Board approved an amendment to the intergovernmental agreement between the Village's that formed the Authority, which allowed for such issuance to take place, and outlined terms of repayment plans for this current proposed debt. The terms of repayment were made general so they could be applicable to any potential future debt from the issuance of bonds.

The Authority seeks a motion for approval of the issuance of Member Debt by the Village of Glen Ellyn for improvements to the Authority's Wastewater Treatment Facilities, including the Primary Clarifier and Gravity Thickener Improvements Project, pursuant to and in accordance with the provisions of Article VIII(B) of the Joint Agreement.

Village of Glen Ellyn, Illinois General Obligation Bonds, Series 2024

Timetable

Time and Responsibility Schedule*
As of March 20, 2024

Role	Participant	Abbreviation
Issuer	Village of Glen Ellyn	Village
Bond Counsel	Chapman and Cutler LLP	BC
Municipal Advisor	Robert W. Baird & Co.	MA

April 2024							May 2024							June 2024						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6				1	2	3	4							1
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29
														30						

- Village Board meeting dates
- Glenbard Wastewater Authority EOC Meeting

Week		Responsible Participant(s)
Week of April 1	Distribute first draft of Parameters Ordinance (“Ordinance”).	BC
Week of April 8	Distribute first draft of Preliminary Official Statement (“POS”).	MA
Week of April 8	Comments due and finalize Ordinance.	All
April 11	Approval of the issuance of Member Debt at the Glenbard Wastewater Authority Executive Oversight Committee (EOC) meeting.	Village/GWA
Week of April 15	Comments due on first draft of POS.	All
Week of April 15	Provide comparative analysis of Village and GWA bond issuance for Village Board packets.	MA
April 22	Adopt Ordinance at Village Board Meeting.	Village
Week of April 22	Distribute second draft of POS.	MA
Week of April 22	Distribute information to rating agency and schedule a conference call.	MA
Week of April 29	Comments due on second draft of POS.	All
Week of May 6	Distribute third draft of POS.	MA
Week of May 6	Conference call with rating agency.	Village and MA
Week of May 13	Receive bond rating.	Village and MA
Week of May 13	Finalize and post POS.	MA
Week of May 20	Competitive sale of bonds.	Village and MA
Week of May 20	Finalize comparative analysis of Village and GWA bond issuance.	MA
Week of May 27	Distribute and finalize the Final Official Statement (“FOS”).	MA
Week of June 10	Bond closing.	All

*Preliminary subject to change.

SECTION 7.0

AUTHORIZATION TO RELEASE FUNDS FOR THE RECONSTRUCTION OF THE ADMINISTRATIVE BUILDING PARKING LOT & BEMIS ROAD RECONSTRUCTION PROJECT

MEMORANDUM

TO: Executive Oversight Committee

FROM: Jeremy Henning, Assistant Executive Director

DATE: April 11, 2024

RE: **Authorization to Release Funds for the Reconstruction of the Administrative Building Parking Lot & Bemis Road Reconstruction**



The parking lot for the Authority’s Administration Building, providing for Authority’s main public parking location, has been in significant need of replacement for nearly a decade. A replacement was designed in 2015 that included a full reconstruction and grading of the parking lot, which included additional parking spots, current ADA requirements, and improved drainage. After reaching 90% design of the project, the Authority was made aware of plans for the Village of Glen Ellyn to repave or reconstruct Bemis Road in the coming years, and so the decision was made to shelf the project and re-address it when the Bemis Road project began. After continuing to deteriorate for nearly 8 years after the initial design, the parking lot is in dire need of replacement, with extremely degraded surfaces, lack of sufficient parking, inadequate stormwater drainage, and insufficient ADA accommodations.

During the initial 2015 design, two options were investigated by the engineer for parking lot replacement; in-kind replacement with hot mix asphalt (HMA) or a new permeable paver installation. While the primary responsibility of the Authority is efficiently and effectively treating the wastewater for our constituents, as can be seen in other project and initiatives, the Authority also strives to be good stewards for the environment. Permeable pavers provide a host of different environmental benefits such as, reduction of runoff from rain which reduces the need for conventional drainage features, it can help filter pollutants that contribute to water pollution, and can reduce the need for road salt. After the 2015 plans were brought up to 2024 specifications and standards, both options were again considered by staff. After seeing a smaller than expected difference in engineers estimates between the two options, accounting for a smaller engineering scope for permeable vs HMA, and the potential future cost savings in salt usage, the more environmentally favorable option was chosen.

The Authority then received authorization from the Executive Oversight Committee to enter into an understanding with the Village of Glen Ellyn so that the reconstruction of the Authority’s Administration Building Parking lot would be included in the base bid amounts for the Village of Glen Ellyn’s 2024 Reconstruction Utility and Roadway Improvements. The intent of including the Authority’s quantities with the Village’s was to gain an economy of scale and yield a lower price for the Authority. After the Village opened the bids, the portion of the work related to the

Authority's parking lot reconstruction was determined to be \$257,835.75. This demonstrated the favorable results to the Authority, as the Engineers estimate for the work was valued at \$363,341.

Another component of the Village's summer roadway improvements project is to perform a full reconstruction of Bemis Road. Previous conversations between the Village of Glen Ellyn and the Village of Lombard had concluded that, because of the heavy truck traffic to and from the main treatment plant, the Authority would be contributing a portion of the cost for the reconstruction of Bemis Road.

The Village of Glen Ellyn requested for the Authority to contribute towards half of the roadway aggregate subgrade (including excavation), required roadway undercuts, roadway fabric, and asphalt base course in the total amount of \$266,867.25 based off the low bid. This is a conservative not to exceed amount as certain portions of the reconstruction, for example; deep patches/spot repairs, are assumed to use the fully budgeted amount but the total is unknown at this time and could be significantly lower than the ~\$35,000 allocated towards that line item.

The Authority budgeted \$500,000 for: the reconstruction of the Administration Parking Lot, it's contribution to the Bemis Road reconstruction, and all associated engineering fees. Based on the low bid from John Neri Construction and the estimated Authority contribution to the Bemis Road construction, the total is \$524,703. With the engineering fees, which are not to exceed \$18,000 for design, and \$30,500 for construction services, the overall total comes to \$573,203, putting the Authority's total cost at roughly \$74,000 over budget.

Although the total estimated amount is slightly over the budget amount, the Authority had limited information to base its budget amount off of while putting together the CY2024 Budget, and therefore, feels this is within an acceptable range of overage. The Capital Budget can absorb the extra amount at this time, and further reconciliations of the capital budget will be performed throughout the year to ensure funds are available for future projects.

Due to the contract for this project being between the Village of Glen Ellyn and its contractor, John Neri Construction, the Authority is seeking a motion to authorize the Authority to issue payments to John Neri Construction and/or the Village of Glen Ellyn in a total not to exceed amount of \$524,703. The funds will come out of the general capital fund 40-580180, where a total of \$500,000 was budgeted for the design, construction, and construction engineering of the parking lot and Bemis Roadway improvements.

SECTION 8.0

AUTHORIZATION TO AWARD CONSTRUCTION SERVICES CONTRACT FOR THE ADMINISTRATIVE BUILDING PARKING LOT IMPROVEMENTS

MEMORANDUM

TO: Executive Oversight Committee

FROM: Jeremy Henning, Assistant Executive Director

DATE: April 11, 2024

RE: **Authorization to Award Construction Services Contract
for the Administrative Building Parking Lot Improvements**



The parking lot for the Authority's Administration Building, providing for the Authority's main public parking location, has been in significant need of replacement for nearly a decade. A replacement was designed in 2015 that included a full reconstruction and grading of the parking lot, which included additional parking spots, current ADA requirements, and improved drainage. After reaching 90% design of the project, the Authority was made aware of plans for the Village of Glen Ellyn to repave or reconstruct Bemis Road in the coming years, and so the decision was made to shelf the project and re-address it when the Bemis Road project began. After continuing to deteriorate for nearly 8 years after the initial design, the parking lot is in dire need of replacement, with extremely degraded surfaces, lack of sufficient parking, inadequate stormwater drainage, and insufficient ADA accommodations.

As presented in the previous agenda item, the Authority sought a motion to approve the construction costs for this project. If the construction costs are approved, the Authority will need to retain a consultant to perform construction engineering services.

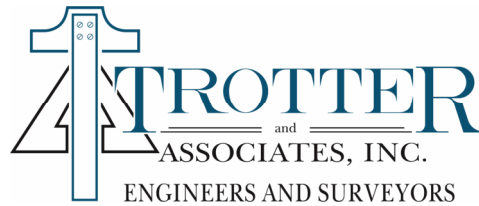
The Authority originally retained Trotter & Associates in 2015 to perform the design on the parking lot, and as mentioned above, the design was halted at 90% design in order to combine remaining efforts with the Village of Glen Ellyn's Road reconstruction project. Based on the successful completion of the 90% design, and the Authority's professional services policy that allows waiving of a competitive process to award a professional service based on a continuing relationship relating to work in a specific area of infrastructure, the Authority received approval to award Trotter & Associates the remaining 10% of design and bidding assistance in the amount not to exceed \$18,000.

Based on the successful completion of the now 100% design, and the Authority's professional services policy that allows waiving of a competitive process to award a professional service based on a continuing relationship relating to work in a specific area of infrastructure, the Authority also sought a proposal from Trotter & Associates for construction engineering services. A proposal was returned in the amount of \$30,500, which is approximately 11.8% of the construction cost, and an acceptable amount for construction engineering for a project.

The Authority had budgeted \$500,000 for the reconstruction of the Administration Parking Lot, its contribution to the Bemis Road reconstruction, and all associated engineering fees. Based on the low bid from John Neri Construction and the estimated Authority contribution to the Bemis Road construction, the total is \$524,703. With the engineering fees, which are not to exceed \$18,000 for design, and \$30,500 for construction services, the overall total comes to \$573,203, putting the Authority's total cost at roughly \$74,000 over budget.

Although the total estimated amount is slightly over the budget amount, the Authority had little to no information to base its budget amount off of while putting together the CY2024 Budget, and therefore, feels this is within an acceptable range of overage. The Capital Budget can absorb the extra amount at this time, and further reconciliations of the capital budget will be performed throughout the year to ensure funds are available for future projects.

The Authority is seeking a motion to authorize the Authority to waive a competitive selection process and award Trotter & Associates the construction engineering services contract for the Administrative Road Parking Lot Improvements for a not to exceed amount of \$30,500. The funds will come out of the general capital fund 40-580180, where a total of \$500,000 was budgeted for the design, construction, and construction engineering of the parking lot and Bemis Roadway improvements.



WORK ORDER NUMBER GWA 014 – AMENDMENT 1

Project Name: Parking Lot Expansion (Formally GWA 003)

Project Number: GWA 014

This Work Order is an addendum attached to, made part of, and incorporated by reference into the Agreement between CLIENT and ENGINEER for modification of scope and compensation for the PROJECT. All other terms and conditions of the original Agreement between CLIENT and ENGINEER are unchanged by this Contract Addendum and shall remain in full force and effect and shall govern the obligations of both CLIENT and ENGINEER, including obligations created by this Contract Addendum.

Project Background & Understanding

The Glenbard Wastewater Authority (GWA) located at 945 Bemis Road currently has a parking lot for the main office building containing about seven parking stalls. This parking lot was constructed from asphalt paving and is undersized for the number of staff and visitors to the GWA administrative building. The GWA is planning to reconstruct the aging parking lot to include additional parking in front of the building, but desires to do so in a manner which minimizes the impacts of stormwater runoff volume and quality to the East Branch DuPage River, which is immediately downstream of the project site. The proposed parking lot design will incorporate Post Construction Best Management Practices (PCBMPs) in addition to increasing the parking stall count. The project scope will include verifying the pavement type for the new parking lot whether it be pervious pavers or asphalt, stormwater management as required by Village code, and coordinating with the Village of Glen Ellyn and their engineer to incorporate the design plans and specs into their roadway program bid package scheduled to be advertised mid February.

TAI will provide a Resident Project Representative (RPR) onsite for the duration of construction within the Authority's project scope and limits. The scope of the RPR construction-related engineering services, including general contract administration, on-site construction observation, and project close-out.

Project Schedule

The following are the anticipated completion timelines for the proposed project schedule.

Determine Parking Lot Pavement Type	February 2 (Completed)
Finalize Project Plans for Bid	February 9 (Completed)
Quantities and Specs Finalized with Village & AECOM	February 9 (Completed)
Construction Commence and RPR Services	Summer 2024

Scope of Services

Our services will consist of customary civil engineering and related engineering services incidental thereto, described as follows;

Scope Completed to Date

- A. Phase 1 - Engineering Design, Permitting, and Bid Assistance Services
 - a. Coordinate with gas provider for forced relocation prior to construction commencing.
 - b. Prepare stormwater management calculations to be included in the permit submittals to demonstrate the project's compliance with the Village & DuPage County Stormwater Ordinance (latest edition).



-
- c. Prepare Final Engineering Plans specifying the scope, character and extent of the proposed parking lot improvements and supporting infrastructure (storm sewer, curb, etc.)
 - d. If required by the Village, TAI will prepare a Landscape Plan identifying landscape improvements required by Village ordinance (if applicable).
 - e. Prepare documents and specifications as needed to be included in the Village of Glen Ellyn's bid package.
 - f. Prepare a final summary of quantities and construction cost estimate.
 - g. Prepare permit applications to the Village of Glen Ellyn for project approval.

Scope to be Completed

B. Phase 2 - Construction Phase Services

- a. Consult with the Authority and act as the Authority's representative during the execution of construction.
- b. Provide construction administration services during the duration of the construction contract:
 - i. Make visits to the Site at intervals appropriate to the various stages of construction, as Engineer deems necessary, in order to observe as an experienced and qualified design professional the progress and quality of the work.
 - ii. Issue necessary clarification and interpretations of the Contract Documents as appropriate to the orderly completion of the Contractor's work.
 - iii. Recommend Change Orders and Work Change Directives as required.
 - iv. Review and approve or take other appropriate action in respect to Shop Drawings and Samples and other data which Contractor is required to submit, but only for conformance with the information given in the Contract Documents and compatibility with the design concept of the completed Project as a functioning whole as indicated in the Contract Documents.
 - v. Evaluate and determine the acceptability of substitute or "or-equal" materials proposed by the Contractor.
 - vi. Require such special inspections or tests of Contractor's work as deemed reasonable and necessary and receive and review all certificates of inspections, tests, and approvals required by Law and Regulations or the Contract Documents.
- c. Provide on-site project observation during the duration of construction activities as requested by the Authority.
 - i. Participate in the Pre-Construction Conference prior to commencement of Work at the Site.
 - ii. Provide 1 resident project representative full time as needed (**an estimated 5 weeks at 40 hours/week**) during construction of the improvements. The project representative will be present at intervals appropriate to the various stages of construction in order to observe and document the progress and quality of the contractor's work.

This work order includes up to 200 hours of on-site observation of the Contractor's work.



- iii. Recommend to the Authority the Contractor’s work be disapproved and rejected while it is in progress.
 - iv. Require such special inspections or tests of Contractor’s work as deemed reasonable and necessary, and receive and review all testing results.
- d. Contractor’s Completion Documents
- i. After notice from the Contractor that they consider the entire Work ready for its intended use, in company with the Authority and Contractor, conduct a field review to determine if the Work is Complete.
 - ii. Based upon the field review, prepare and furnish to the Contractor a list of items requiring completion or correction.
 - iii. Prepare Record Drawings showing appropriate record information based on Project annotated record documents received from the Contractor.

Compensation

An amount equal to the cumulative hours charged to the Project by each class of ENGINEER’s employees times Standard Hourly Rates for each applicable billing class for all services performed on the Project, plus Reimbursable Expenses and ENGINEER’s Consultant’s charges, if any.

ENGINEER’s Reimbursable Expenses Schedule and Standard Hourly Rates are attached to this Exhibit B. Reimbursable Expenses included in the contract are limited to items listed in Exhibit B. All expenses that are not included in Exhibit B shall be considered outside the contract and shall be considered as extra and compensated for at cost. For example: title commitments, permit fees, architectural renderings, special public meetings, out of town travel expenses, consultant services beyond those identified in the scope, or items specifically requested by the owner.

Phase 1 was originally authorized on January 31st, 2024 for \$18,000 with about \$16,000 being completed to date. This amendment for construction observation services is for **an additional \$30,500** which brings the total compensation for this project **not to exceed \$48,500** based on the following distribution of compensation:

Phase 1 - Engineering Design, Permitting, and Bid Assistance Services	\$18,000.00
<u>Phase 2 - Construction Phase Services</u>	<u>\$30,500.00</u>
Total	\$ 48,500.00

ENGINEER may alter the distribution of compensation between individual phases of the work noted herein to be consistent with services actually rendered, but shall not exceed the total estimated compensation amount unless approved in writing by CLIENT. The total estimated compensation for ENGINEER’s services included in the breakdown by phases incorporates all labor, overhead, profit, and ENGINEER’s Consultant’s charges. The amounts billed for ENGINEER’s services will be based on the cumulative hours charged to the PROJECT during the billing period by each class of ENGINEER’s employees times Standard Hourly Rates for each applicable billing class, plus Reimbursable Expenses and ENGINEER’s Consultant’s charges. The Standard Hourly Rates and Reimbursable Expenses Schedule will be adjusted annually as of January 1st to reflect equitable changes in the compensation payable to ENGINEER.

In order to address minor changes in project scope, the overall fee schedule for design and construction engineering services includes a separate dedicated amount that may be authorized by the client for minor changes. Changes to the scope of services outlined in this agreement shall be authorized through execution of an Exhibit D - Contract Addendum.



For purposes of expediency, ENGINEER and CLIENT agree that an executed electronic version of this Contract Addendum shall suffice. The original of this Contract Addendum shall be returned to Engineer after execution.

CLIENT:
GLENBARD WASTEWATER AUTHORITY
SIGNED:

ENGINEER:
TROTTER AND ASSOCIATES, INC.
SIGNED:

A handwritten signature in black ink, appearing to read "J. S. Fry", is written over a horizontal line.

TITLE

PRESIDENT
TITLE



Miscellaneous

This Agreement constitutes the entire agreement between the parties and supersedes any prior oral or written representations. This agreement may not be changed, modified, or amended except in writing signed by both parties. In the event of any conflict among the exhibits, the exhibit of the latest date shall control.

ENGINEER may have portions of the Services performed by its affiliated entities or their employees, in which event ENGINEER shall be responsible for such services and CLIENT shall look solely to ENGINEER as if ENGINEER performed the Services. In no case shall CLIENT'S approval of any subcontract relieve ENGINEER of any of its obligations under this Agreement. However, ENGINEER is not responsible whatsoever for any obligations its subcontractors might have to its [subcontractors'] employees, including but not limited to proper compensation of its employees.

In the event CLIENT uses a purchase order form or other CLIENT developed document to administer this Agreement, the use of such documents shall be for the CLIENT's convenience only, and any provisions, terms or conditions within the CLIENT developed document shall be deemed stricken, null and void. Any provisions, terms or conditions which the CLIENT would like to reserve shall be added to Exhibit C – Supplemental Conditions and agreed to by both parties.

ENGINEER acknowledges that this project and the scope of work performed thereto will require ENGINEER and all lower tiered subcontractors of ENGINEER to comply with all obligations under and pursuant to the any applicable local, state and/or federal prevailing wage laws (e.g. Davis-Bacon Act, Illinois Prevailing Wage Act, etc.), including but not limited to all wage, notice and/or record keeping requirements to the extent applicable, necessitated and required by law.

If during negotiations or discussion with a Client it becomes clear that Client has determined prevailing wages are not applicable to the work performed by Trotter & Associates, it is best to confirm that understanding in writing with appropriate indemnification language. The following is draft language to consider:

Trotter & Associates' services performed is based on its understanding through the actions, statements and/or omissions of CLIENT that this project [identify] and the work performed relating thereto is professional in nature and not subject to prevailing wage requirements (federal, state or local). If Trotter & Associates' understanding is incorrect, CLIENT agrees and acknowledges that it shall immediately notify Trotter & Associates in writing within forty-eight (48) hours from receiving this notice so that Trotter & Associates may submit a revised proposal and/or invoice reflecting the additional costs associated with applicable prevailing wage laws. If at any time it is determined that this project is or was subject to prevailing wage requirements under federal, state or local law, then CLIENT agrees and acknowledges that it shall reimburse and make whole Trotter & Associates for any back wages, penalties and/or interest owed to its employees or any other third party, including any appropriate governmental agency. CLIENT also agrees that prices, costs and/or applicable fees will also be increased prospectively as required by the increase in wage payments to Trotter & Associates' employees. CLIENT understands and acknowledges that it shall notify Trotter & Associates of any prevailing wage requirements or obligations under applicable laws relating to the work or services performed by Trotter & Associates. CLIENT also agrees to indemnify and hold Trotter & Associates harmless from any error, act or omission on its part with regard to prevailing wage notification that causes any claim, cause of action, harm or loss upon Trotter & Associates, including but not limited to prompt reimbursement to Trotter & Associates of any and all back wages, penalties and/or interest owed to its employees or any other third party, including reasonable attorneys' fees and costs associated with such claim, cause of action, harm or loss.



Contents of Agreement

This Letter Agreement and the Exhibits attached hereto and incorporated herein, represent the entire understanding with respect to the Project and may only be modified in writing signed by both parties.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement.

CLIENT:

By: _____

Title: _____

Effective Date: _____

Address for giving notices:

Trotter and Associates, Inc.:

By: Robert Scott Trotter, P.E., BCEE

Title: President

Date Signed: January 26th, 2024

Address for giving notices:
40 W 201 Wasco Road, Suite D
St. Charles, IL 60175

ATTACHMENTS:

EXHIBIT A – STANDARD TERMS AND CONDITIONS

EXHIBIT B – SCHEDULE OF HOURLY RATES AND REIMBURSIBLE EXPENSES

EXHIBIT C – SUPPLEMENTAL GENERAL CONDITIONS

EXHIBIT D – CONTRACT ADDENDUM



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CLIENT Initial _____

TAI Initial _____

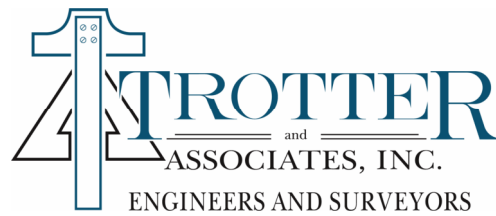


EXHIBIT A - STANDARD TERMS AND CONDITIONS

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ARTICLE 1 - SERVICES OF ENGINEER

1.01 Scope

A. ENGINEER shall provide the Professional Services set forth herein and in the Letter Agreement.

B. Upon this Agreement becoming effective, ENGINEER is authorized to begin Services.

ARTICLE 2 - CLIENT'S RESPONSIBILITIES

2.01 General

A. Provide ENGINEER with all criteria and full information as to CLIENT's requirements for the Project, including design objectives and constraints, space, capacity and performance requirements, flexibility, and expandability, and any budgetary limitations; and furnish copies of all design and construction standards which CLIENT will require to be included in the Drawings and Specifications; and furnish copies of CLIENT's standard forms, conditions, and related documents for ENGINEER to include in the Bidding Documents, when applicable.

B. Furnish to ENGINEER any other available information pertinent to the Project including reports and data relative to previous designs, or investigation at or adjacent to the Site.

C. Following ENGINEER's assessment of initially-available Project information and data and upon ENGINEER's request, furnish or otherwise make available such additional Project related information and data as is reasonably required to enable ENGINEER to complete its Basic and Additional Services. Such additional information or data would generally include the following:

1. Property descriptions.
2. Zoning, deed, and other land use restrictions.
3. Property, boundary, easement, right-of-way, and other special surveys or data, including establishing relevant reference points.
4. Explorations and tests of subsurface conditions at or contiguous to the Site, drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site, or hydrographic surveys, with appropriate professional interpretation thereof.
5. Environmental assessments, audits, investigations and impact statements, and other relevant environmental or cultural studies as to the Project, the Site, and adjacent areas.
6. Data or consultations as required for the Project but not otherwise identified in the Agreement or the Exhibits thereto.

D. Give prompt written notice to ENGINEER whenever CLIENT observes or otherwise becomes aware of a Hazardous Environmental Condition or of any other development that affects the scope or time of performance of ENGINEER's services, or any defect or nonconformance in ENGINEER's services or in the work of any Contractor.

E. Authorize ENGINEER to provide Additional Services as set forth in Exhibit D - Addendum of the Agreement as required.

- F. Arrange for safe access to and make all provisions for ENGINEER to enter upon public and private property as required for ENGINEER to perform services under the Agreement.
- G. Examine all alternate solutions, studies, reports, sketches, Drawings, Specifications, proposals, and other documents presented by ENGINEER (including obtaining advice of an attorney, insurance counselor, and other advisors or consultants as CLIENT deems appropriate with respect to such examination) and render in writing timely decisions pertaining thereto.
- H. Provide reviews, approvals, and permits from all governmental authorities having jurisdiction to approve all phases of the Project designed or specified by ENGINEER and such reviews, approvals, and consents from others as may be necessary for completion of each phase of the Project.
- I. Provide, as required for the Project:
1. Accounting, bond and financial advisory, independent cost estimating, and insurance counseling services.
 2. Legal services with regard to issues pertaining to the Project as CLIENT requires, Contractor raises, or ENGINEER reasonably requests.
 3. Such auditing services as CLIENT requires to ascertain how or for what purpose Contractor has used the moneys paid.
 4. Placement and payment for advertisement for Bids in appropriate publications.
- J. Advise ENGINEER of the identity and scope of services of any independent consultants employed by CLIENT to perform or furnish services in regard to the Project, including, but not limited to, cost estimating, project peer review, value engineering, and constructability review.
- K. Furnish to ENGINEER data as to CLIENT's anticipated costs for services to be provided by others for CLIENT so that ENGINEER may make the necessary calculations to develop and periodically adjust ENGINEER's opinion of Total Project Costs.
- L. If CLIENT designates a manager or an individual or entity other than, or in addition to, ENGINEER to represent CLIENT at the Site, the duties, responsibilities, and limitations of authority of such other party shall be disclosed to the ENGINEER and coordinated in relation to the duties, responsibilities, and authority of ENGINEER.
- M. If more than one prime contract is to be awarded for the Work designed or specified by ENGINEER, designate a person or entity to have authority and responsibility for coordinating the activities among the various prime Contractors, and define and set forth the duties, responsibilities, and limitations of authority of such individual or entity and the relation thereof to the duties, responsibilities, and authority of ENGINEER is to be mutually agreed upon and made a part of this Agreement before such services begin.
- N. Attend the pre-bid conference, bid opening, pre-construction conferences, construction progress and other job related meetings, and Substantial Completion and final payment inspections.
- O. Provide the services of an independent testing laboratory to perform all inspections, tests, and approvals of Samples, materials, and equipment required by the Contract Documents, or to evaluate the performance of materials, equipment, and facilities of CLIENT, prior to their incorporation into the Work with appropriate professional interpretation thereof.
- P. Provide inspection or monitoring services by an individual or entity other than ENGINEER (and disclose the identity of such individual or entity to ENGINEER) as CLIENT determines necessary to verify:
1. That Contractor is complying with any Laws and Regulations applicable to Contractor's performing and furnishing the Work.
 2. That Contractor is taking all necessary precautions for safety of persons or property and complying with any special provisions of the Contract Documents applicable to safety.
- Q. Provide ENGINEER with the findings and reports generated by the entities providing services pursuant to paragraphs 2.01.O and P.

ARTICLE 3 - TIMES FOR RENDERING SERVICES

3.01 General

- A. ENGINEER's services and compensation under this Agreement have been agreed to in anticipation of the orderly and continuous progress of the Project through completion. Unless specific periods of time or specific dates for providing services are specified in this Agreement, ENGINEER's obligation to render services hereunder will be for a period which may reasonably be required for the completion of said services.
- B. If in this Agreement specific periods of time for rendering services are set forth or specific dates by which services are to be completed are provided, and if such periods of time or dates are changed through no fault of ENGINEER, the rates and amounts of compensation provided for herein shall be subject to equitable adjustment. If CLIENT has requested changes in the scope, extent, or character of the Project, the time of performance of ENGINEER's services shall be adjusted equitably.
- C. For purposes of this Agreement the term "day" means a calendar day of 24 hours.

3.02 Suspension

- A. If CLIENT fails to give prompt written authorization to proceed with any phase of services after completion of the immediately preceding phase, or if ENGINEER's services are delayed through no fault of ENGINEER, ENGINEER may, after giving seven days written notice to CLIENT, suspend services under this Agreement.
- B. If ENGINEER's services are delayed or suspended in whole or in part by CLIENT, or if ENGINEER's services are extended by Contractor's actions or inactions for more than 90 days through no fault of ENGINEER, ENGINEER shall be entitled to equitable adjustment of rates and amounts of compensation provided for elsewhere in this Agreement to reflect, reasonable costs incurred by ENGINEER in connection with, among other

things, such delay or suspension and reactivation and the fact that the time for performance under this Agreement has been revised.

ARTICLE 4 - PAYMENTS TO ENGINEER

4.01 Methods of Payment for Services and Reimbursable Expenses of ENGINEER

- A. *For Basic Services.* CLIENT shall pay ENGINEER for Basic Services performed or furnished under as outlined in the Letter Agreement
- B. *For Additional Services.* CLIENT shall pay ENGINEER for Additional Services performed or furnished as outlined in Exhibit D.
- C. *For Reimbursable Expenses.* CLIENT shall pay ENGINEER for Reimbursable Expenses incurred by ENGINEER and ENGINEER's Consultants as set forth in Exhibit B.

4.02 Other Provisions Concerning Payments

- A. *Preparation of Invoices.* Invoices will be prepared in accordance with ENGINEER's standard invoicing practices and will be submitted to CLIENT by ENGINEER, unless otherwise agreed.
- B. *Payment of Invoices.* Invoices are due and payable within 30 days of receipt. If CLIENT fails to make any payment due ENGINEER for services and expenses within 30 days after receipt of ENGINEER's invoice therefor, the amounts due ENGINEER will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said thirtieth day. In addition, ENGINEER may, after giving seven days written notice to CLIENT, suspend services under this Agreement until ENGINEER has been paid in full all amounts due for services, expenses, and other related charges. Payments will be credited first to interest and then to principal.
- C. *Disputed Invoices.* In the event of a disputed or contested invoice, only that portion so contested may be withheld from payment, and the undisputed portion will be paid.
- D. *Payments Upon Termination.*
 - 1. In the event of any termination under paragraph 6.06, ENGINEER will be entitled to invoice CLIENT and will be paid in accordance with Exhibit B for all services performed or furnished and all Reimbursable Expenses incurred through the effective date of termination.
 - 2. In the event of termination by CLIENT for convenience or by ENGINEER for cause, ENGINEER, in addition to invoicing for those items identified in subparagraph 4.02.D.1, shall be entitled to invoice CLIENT and shall be paid a reasonable amount for services and expenses directly attributable to termination, both before and after the effective date of termination, such as reassignment of personnel, costs of terminating contracts with ENGINEER's Consultants, and other related close-out costs, using methods and rates for Additional Services as set forth in Exhibit B.
- E. *Records of ENGINEER's Costs.* Records of ENGINEER's costs pertinent to ENGINEER's compensation under this Agreement shall be kept in accordance with generally accepted accounting

practices. To the extent necessary to verify ENGINEER's charges and upon CLIENT's timely request, copies of such records will be made available to CLIENT at cost.

- F. *Legislative Actions.* In the event of legislative actions after the Effective Date of the Agreement by any level of government that impose taxes, fees, or costs on ENGINEER's services or other costs in connection with this Project or compensation therefore, such new taxes, fees, or costs shall be invoiced to and paid by CLIENT as a Reimbursable Expense to which a Factor of 1.0 shall be applied. Should such taxes, fees, or costs be imposed, they shall be in addition to ENGINEER's estimated total compensation.

ARTICLE 5 - OPINIONS OF COST

5.01 Opinions of Probable Construction Cost

- A. ENGINEER's opinions of probable Construction Cost provided for herein are to be made on the basis of ENGINEER's experience and qualifications and represent ENGINEER's best judgment as an experienced and qualified professional generally familiar with the industry. However, since ENGINEER has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, ENGINEER cannot and does not guarantee that proposals, bids, or actual Construction Cost will not vary from opinions of probable Construction Cost prepared by ENGINEER. If CLIENT wishes greater assurance as to probable Construction Cost, CLIENT shall employ an independent cost estimator.

5.02 Designing to Construction Cost Limit

- A. If a Construction Cost limit is established between CLIENT and ENGINEER, such Construction Cost limit and a statement of ENGINEER's rights and responsibilities with respect thereto will be specifically set forth in Exhibit C - Supplemental General Conditions.

5.03 Opinions of Total Project Costs

- A. ENGINEER assumes no responsibility for the accuracy of opinions of Total Project Costs.

ARTICLE 6 - GENERAL CONSIDERATIONS

6.01 Standards of Performance

- A. The standard of care for all professional engineering and related services performed or furnished by ENGINEER under this Agreement will be the care and skill ordinarily used by members of ENGINEER's profession practicing under similar circumstances at the same time and in the same locality. ENGINEER makes no warranties, express or implied, under this Agreement or otherwise, in connection with ENGINEER's services.
- B. ENGINEER shall be responsible for the technical accuracy of its services and documents resulting therefrom, and CLIENT shall not be responsible for discovering deficiencies therein. ENGINEER shall correct such deficiencies without additional compensation except to the extent such action is directly attributable to deficiencies in CLIENT-furnished information.

- C. ENGINEER shall perform or furnish professional engineering and related services in all phases of the Project to which this Agreement applies. ENGINEER shall serve as CLIENT's prime professional for the Project. ENGINEER may employ such ENGINEER's Consultants as ENGINEER deems necessary to assist in the performance or furnishing of the services. ENGINEER shall not be required to employ any ENGINEER's Consultant unacceptable to ENGINEER.
- D. ENGINEER and CLIENT shall comply with applicable Laws or Regulations and CLIENT-mandated standards. This Agreement is based on these requirements as of its Effective Date. Changes to these requirements after the Effective Date of this Agreement may be the basis for modifications to CLIENT's responsibilities or to ENGINEER's scope of services, times of performance, or compensation.
- E. CLIENT shall be responsible for, and ENGINEER may rely upon, the accuracy and completeness of all requirements, programs, instructions, reports, data, and other information furnished by CLIENT to ENGINEER pursuant to this Agreement. ENGINEER may use such requirements, reports, data, and information in performing or furnishing services under this Agreement.
- F. CLIENT shall make decisions and carry out its other responsibilities in a timely manner and shall bear all costs incident thereto so as not to delay the services of ENGINEER.
- G. Prior to the commencement of the Construction Phase, CLIENT shall notify ENGINEER of any other notice or certification that ENGINEER will be requested to provide to CLIENT or third parties in connection with the Project. CLIENT and ENGINEER shall reach agreement on the terms of any such requested notice or certification, and CLIENT shall authorize such Additional Services as are necessary to enable ENGINEER to provide the notices or certifications requested.
- H. ENGINEER shall not be required to sign any documents, no matter by whom requested, that would result in the ENGINEER's having to certify, guarantee or warrant the existence of conditions whose existence the ENGINEER cannot ascertain. CLIENT agrees not to make resolution of any dispute with the ENGINEER or payment of any amount due to the ENGINEER in any way contingent upon the ENGINEER's signing any such certification.
- I. During the Construction Phase, ENGINEER shall not supervise, direct, or have control over Contractor's work, nor shall ENGINEER have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected by Contractor, for safety precautions and programs incident to the Contractor's work in progress, nor for any failure of Contractor to comply with Laws and Regulations applicable to Contractor's furnishing and performing the Work.
- J. ENGINEER neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform the Work in accordance with the Contract Documents.
- K. ENGINEER shall not be responsible for the acts or omissions of any Contractor(s), subcontractor or supplier, or of any of the Contractor's agents or employees or any other persons (except ENGINEER's own employees) at the Site or otherwise furnishing or performing any of the Contractor's work; or for any decision made on interpretations or clarifications of the

Contract Documents given by CLIENT without consultation and advice of ENGINEER.

- L. The General Conditions for any construction contract documents prepared hereunder are to be the "Standard General Conditions of the Construction Contract" as prepared by the Engineers Joint Contract Documents Committee (Document No. 1910-8, 1996 Edition) unless both parties mutually agree to use other General Conditions.

6.02 Authorized Project Representatives

- A. Contemporaneous with the execution of this Agreement, ENGINEER and CLIENT shall designate specific individuals to act as ENGINEER's and CLIENT's representatives with respect to the services to be performed or furnished by ENGINEER and responsibilities of CLIENT under this Agreement. Such individuals shall have authority to transmit instructions, receive information, and render decisions relative to the Project on behalf of each respective party.

6.03 Design without Construction Phase Services

- A. Should CLIENT provide Construction Phase services with either CLIENT's representatives or a third party, ENGINEER's Basic Services under this Agreement will be considered to be completed upon completion of the Final Design Phase or Bidding or Negotiating Phase as outlined in the Letter Agreement.
- B. It is understood and agreed that if ENGINEER's Basic Services under this Agreement do not include Project observation, or review of the Contractor's performance, or any other Construction Phase services, and that such services will be provided by CLIENT, then CLIENT assumes all responsibility for interpretation of the Contract Documents and for construction observation or review and waives any claims against the ENGINEER that may be in any way connected thereto.

6.04 Use of Documents

- A. All Documents are instruments of service in respect to this Project, and ENGINEER shall retain an ownership and property interest therein (including the right of reuse at the discretion of the ENGINEER) whether or not the Project is completed.
- B. Copies of CLIENT-furnished data that may be relied upon by ENGINEER are limited to the printed copies (also known as hard copies) that are delivered to the ENGINEER. Files in electronic media format of text, data, graphics, or of other types that are furnished by CLIENT to ENGINEER are only for convenience of ENGINEER. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk.
- C. Copies of Documents that may be relied upon by CLIENT are limited to the printed copies (also known as hard copies) that are signed or sealed by the ENGINEER. Files in electronic media format of text, data, graphics, or of other types that are furnished by ENGINEER to CLIENT are only for convenience of CLIENT. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk.
- D. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days,

after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the party delivering the electronic files. ENGINEER shall not be responsible to maintain documents stored in electronic media format after acceptance by CLIENT.

- E. When transferring documents in electronic media format, ENGINEER makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by ENGINEER at the beginning of this Project.
- F. CLIENT may make and retain copies of Documents for information and reference in connection with use on the Project by CLIENT. Such Documents are not intended or represented to be suitable for reuse by CLIENT or others on extensions of the Project or on any other project. Any such reuse or modification without written verification or adaptation by ENGINEER, as appropriate for the specific purpose intended, will be at CLIENT's sole risk and without liability or legal exposure to ENGINEER or to ENGINEER's Consultants. CLIENT shall indemnify and hold harmless ENGINEER and ENGINEER's Consultants from all claims, damages, losses, and expenses, including attorneys' fees arising out of or resulting therefrom.
- G. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.
- H. Any verification or adaptation of the Documents for extensions of the Project or for any other project will entitle ENGINEER to further compensation at rates as defined in Exhibit B.

6.05 Insurance

- A. ENGINEER shall procure and maintain insurance as set forth below:
 - 1. Workers Compensation & Employer's Liability
 - a. Each Occurrence: \$1,000,000
 - 2. General Liability
 - a. Each Occurrence: \$1,000,000
 - b. General Aggregate: \$2,000,000
 - 3. Excess or Umbrella Liability
 - a. Each Occurrence: \$5,000,000
 - b. General Aggregate: \$5,000,000
 - 4. Automobile Liability
 - a. Combined Single Limit (Bodily Injury and Property Damage):
Each Accident \$1,000,000
 - 5. Professional Liability
 - a. Each Occurrence: \$2,000,000
 - b. General Aggregate: \$2,000,000
- B. CLIENT shall cause ENGINEER and ENGINEER's Consultants to be listed as additional insureds on any general liability or property insurance policies carried by CLIENT which are applicable to the Project.
- C. CLIENT shall require Contractor to purchase and maintain general liability and other insurance as specified in the Contract Documents and to cause ENGINEER and ENGINEER's Consultants to be listed as additional insureds with respect to

such liability and other insurance purchased and maintained by Contractor for the Project

- D. CLIENT and ENGINEER shall each deliver to the other certificates of insurance evidencing the coverage.
- E. All policies of property insurance shall contain provisions to the effect that ENGINEER's and ENGINEER's Consultants' interests are covered and that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or additional insureds thereunder.
- F. At any time, CLIENT may request that ENGINEER, at CLIENT's sole expense, provide additional insurance coverage, increased limits, or revised deductibles that are more protective. If so requested by CLIENT, with the concurrence of ENGINEER, and if commercially available, ENGINEER shall obtain and shall require ENGINEER's Consultants to obtain such additional insurance coverage, different limits, or revised deductibles for such periods of time as requested by CLIENT.

6.06 Termination

- A. The obligation to provide further services under this Agreement may be terminated:
1. *For cause,*
 - a. By either party upon 30 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.
 - b. By ENGINEER:
 - 1) upon seven days written notice if ENGINEER believes that ENGINEER is being requested by CLIENT to furnish or perform services contrary to ENGINEER's responsibilities as a licensed professional; or
 - 2) upon seven days written notice if the ENGINEER's services for the Project are delayed or suspended for more than 90 days for reasons beyond ENGINEER's control.
 - 3) ENGINEER shall have no liability to CLIENT on account of such termination.
 - c. Notwithstanding the foregoing, this Agreement will not terminate as a result of such substantial failure if the party receiving such notice begins, within seven days of receipt of such notice, to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt thereof; provided, however, that if and to the extent such substantial failure cannot be reasonably cured within such 30 day period, and if such party has diligently attempted to cure the same and thereafter continues diligently to cure the same, then the cure period provided for herein shall extend up to, but in no case more than, 60 days after the date of receipt of the notice.
 2. *For convenience,*
 - a. By CLIENT effective upon the receipt of notice by ENGINEER.
- B. The terminating party under paragraphs 6.06.A.1 or 6.06.A.2 may set the effective date of termination at a time up to 30 days later than otherwise provided to allow ENGINEER to demobilize personnel and equipment from the Site, to complete tasks whose value would otherwise be lost, to prepare notes as to the status of completed and uncompleted tasks, and to assemble Project materials in orderly files.

6.07 Controlling Law

- A. This Agreement is to be governed by the law of the state in which the Project is located.

6.08 Successors, Assigns, and Beneficiaries

- A. CLIENT and ENGINEER each is hereby bound and the partners, successors, executors, administrators and legal representatives of CLIENT and ENGINEER (and to the extent permitted by paragraph 6.08.B the assigns of CLIENT and ENGINEER) are hereby bound to the other party to this

Agreement and to the partners, successors, executors, administrators and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements and obligations of this Agreement.

- B. Neither CLIENT nor ENGINEER may assign, sublet, or transfer any rights under or interest (including, but without limitation, moneys that are due or may become due) in this Agreement without the written consent of the other, except to the extent that any assignment, subletting, or transfer is mandated or restricted by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.
- C. Unless expressly provided otherwise in this Agreement:
1. Nothing in this Agreement shall be construed to create, impose, or give rise to any duty owed by CLIENT or ENGINEER to any Contractor, Contractor's subcontractor, supplier, other individual or entity, or to any surety for or employee of any of them.
 2. All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of CLIENT and ENGINEER and not for the benefit of any other party. The CLIENT agrees that the substance of the provisions of this paragraph 6.08.C shall appear in the Contract Documents.

6.09 Dispute Resolution

- A. CLIENT and ENGINEER agree to negotiate all disputes between them in good faith for a period of 30 days from the date of notice prior to exercising their rights under provisions of this Agreement, or under law. In the absence of such an agreement, the parties may exercise their rights under law.
- B. If and to the extent that CLIENT and ENGINEER have agreed on a method and procedure for resolving disputes between them arising out of or relating to this Agreement, such dispute resolution method and procedure is set forth in Exhibit C, "Supplemental Conditions."

6.10 Hazardous Environmental Condition

- A. CLIENT represents to Engineer that to the best of its knowledge a Hazardous Environmental Condition does not exist.
- B. CLIENT has disclosed to the best of its knowledge to ENGINEER the existence of all Asbestos, PCB's, Petroleum, Hazardous Waste, or Radioactive Material located at or near the Site, including type, quantity and location.
- C. If a Hazardous Environmental Condition is encountered or alleged, ENGINEER shall have the obligation to notify CLIENT and, to the extent of applicable Laws and Regulations, appropriate governmental officials.
- D. It is acknowledged by both parties that ENGINEER's scope of services does not include any services related to a Hazardous Environmental Condition. In the event ENGINEER or any other party encounters a Hazardous Environmental Condition, ENGINEER may, at its option and without liability for consequential or any other damages, suspend performance of services on the portion of the Project affected thereby until CLIENT: (i) retains appropriate specialist consultant(s) or contractor(s) to identify and, as appropriate, abate, remediate, or

remove the Hazardous Environmental Condition; and (ii) warrants that the Site is in full compliance with applicable Laws and Regulations.

- E. CLIENT acknowledges that ENGINEER is performing professional services for CLIENT and that ENGINEER is not and shall not be required to become an “arranger,” “operator,” “generator,” or “transporter” of hazardous substances, as defined in the Comprehensive Environmental Response, Compensation, and Liability Act of 1990 (CERCLA), which are or may be encountered at or near the Site in connection with ENGINEER’s activities under this Agreement.
- F. If ENGINEER’s services under this Agreement cannot be performed because of a Hazardous Environmental Condition, the existence of the condition shall justify ENGINEER’s terminating this Agreement for cause on 30 days notice.

6.11 Allocation of Risks

A. Indemnification

1. To the fullest extent permitted by law, ENGINEER shall indemnify and hold harmless CLIENT, CLIENT’s officers, directors, partners, and employees from and against any and all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) caused solely by the negligent acts or omissions of ENGINEER or ENGINEER’s officers, directors, partners, employees, and ENGINEER’s Consultants in the performance and furnishing of ENGINEER’s services under this Agreement.
2. To the fullest extent permitted by law, CLIENT shall indemnify and hold harmless ENGINEER, ENGINEER’s officers, directors, partners, employees, and ENGINEER’s Consultants from and against any and all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) caused solely by the negligent acts or omissions of CLIENT or CLIENT’s officers, directors, partners, employees, and CLIENT’s consultants with respect to this Agreement or the Project.
3. To the fullest extent permitted by law, ENGINEER’s total liability to CLIENT and anyone claiming by, through, or under CLIENT for any cost, loss, or damages caused in part by the negligence of ENGINEER and in part by the negligence of CLIENT or any other negligent entity or individual, shall not exceed the percentage share that ENGINEER’s negligence bears to the total negligence of CLIENT, ENGINEER, and all other negligent entities and individuals.
4. In addition to the indemnity provided under paragraph 6.11.A.2 of this Agreement, and to the fullest extent permitted by law, CLIENT shall indemnify and hold harmless ENGINEER and its officers, directors, partners, employees, and ENGINEER’s Consultants from and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) caused by, arising out of or resulting from a Hazardous Environmental Condition, provided that (i) any such cost, loss, or damage

is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than completed Work), including the loss of use resulting therefrom, and (ii) nothing in this paragraph 6.11.A.4. shall obligate CLIENT to indemnify any individual or entity from and against the consequences of that individual’s or entity’s own negligence or willful misconduct.

5. The indemnification provision of paragraph 6.11.A.1 is subject to and limited by the provisions agreed to by CLIENT and ENGINEER in Exhibit C, “Supplemental Conditions,” if any.

6.12 Notices

- A. Any notice required under this Agreement will be in writing, addressed to the appropriate party at its address on the signature page and given personally, or by registered or certified mail postage prepaid, or by a commercial courier service. All notices shall be effective upon the date of receipt.

6.13 Survival

- A. All express representations, indemnifications, or limitations of liability included in this Agreement will survive its completion or termination for any reason.

6.14 Severability

- A. Any provision or part of the Agreement held to be void or unenforceable under any Laws or Regulations shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon CLIENT and ENGINEER, who agree that the Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

6.15 Waiver

- A. Non-enforcement of any provision by either party shall not constitute a waiver of that provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement.

6.16 Headings

- A. The headings used in this Agreement are for general reference only and do not have special significance.

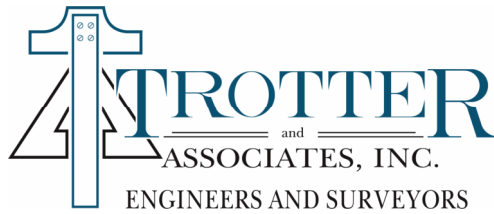
6.16 Definitions

- A. Defined terms will be in accordance with EJDCD No. 1910-1 (1996 Edition)

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CLIENT Initial _____

TAI Initial _____



**EXHIBIT B
SCHEDULE OF HOURLY RATES AND REIMBURSABLE EXPENSES**

2024 Schedule of Hourly Rates

Classification	Billing Rate
Engineering Intern	\$72.00
Engineer Level I	\$130.00
Engineer Level II	\$143.00
Engineer Level III	\$152.00
Engineer Level IV	\$169.00
Engineer Level V	\$191.00
Engineer Level VI	\$218.00
Engineer VII	\$229.00
Engineer VIII	\$264.00
Principal Engineer	\$271.00
Architect Intern	\$72.00
Architect Level I	\$114.00
Architect Level II	\$138.00
Architect Level III	\$160.00
Architect Level IV	\$172.00
Architect Level V	\$193.00
Architect Level VI	\$210.00
Architect VII	\$227.00
Architect VIII	\$245.00
Principal Architect	\$263.00
Technician Level I	\$108.00
Technician Level II	\$131.00
Technician Level III	\$153.00
Technician Level IV	\$167.00
Senior Technician	\$185.00
GIS Specialist I	\$108.00
GIS Specialist II	\$143.00
GIS Specialist III	\$171.00
Clerical Level I	\$72.00
Clerical Level II	\$86.00
Clerical Level III	\$104.00
Survey Technician Level I	\$72.00
Survey Technician Level II	\$89.00
Survey Crew Chief	\$184.00
Professional Land Surveyor	\$221.00
Project Coordinator I	\$131.00
Project Coordinator II	\$142.00
Project Coordinator III	\$152.00
Department Director	\$218.00
Project Manager	\$218.00
Senior Project Manager	\$230.00
Sub Consultants	Cost Plus 5%

***Rates will be escalated for Overtime & Holiday Pay to adjust for Premium Time based on the current Illinois Department of Labor Rules*

Note: On January 1st of each year, the fees and hourly rates may be escalated by an amount not to exceed five (5) percent.

2024 Reimbursable Expenses

Item	Unit	Unit Price
Engineering Copies – B&W 20lb Bond	Sq. Ft.	\$0.50
Engineering Copies - Color 24lb Bond	Sq. Ft.	\$1.00
Mylar Engineering Copies up to 24" by 36"	Each	\$8.00
Color Presentation Grade Large Format Print	Sq. Ft.	\$5.15
Comb Binding > 120 Sheets	Each	\$4.75
Comb Binding < 120 Sheets	Each	\$3.50
Binding Strips (Engineering Plans)	Each	\$1.00
5 Mil Laminating	Each	\$1.25
Copy 11" x 17" - Color	Each	\$0.50
Copy 11" x 17" - Black and White	Each	\$0.25
Copy 8.5" x 11" - Color	Each	\$0.25
Copy 8.5" x 11" - Black and White	Each	\$0.12
Recorded Documents	Each	\$25.00
Plat Research	Time and Material	
Per Diem	Each Day	\$30.00
Field / Survey Truck	Each Day	\$45.00
Postage and Freight		Cost
Mileage	Per Mile	Federal Rate

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CLIENT Initial _____

TAI Initial _____



EXHIBIT C
SUPPLEMENTAL CONDITIONS

NONE AT THIS TIME

CLIENT Initial _____

TAI Initial _____



**EXHIBIT D
CONTRACT ADDENDUM**

Project Name: _____

Project No. _____

Addendum No. _____

This is an addendum attached to, made part of and incorporated by reference into the Agreement between CLIENT and ENGINEER for modification of scope and compensation for the PROJECT. All other terms and conditions of the original Agreement between CLIENT and ENGINEER are unchanged by this Contract Addendum and shall remain in full force and effect and shall govern the obligations of both CLIENT and ENGINEER, including obligations created by this Contract Addendum.

The contract modifications are described below:

- 1.
- 2.
- 3.

CONTRACT SUMMARY

Original Contract Amount \$ _____

Changes Prior to This Change \$ _____

Amount of This Change \$ _____

Revised Contract Amount: \$ _____

For purposes of expediency, ENGINEER and CLIENT agree that an executed electronic version of this Contract Addendum shall suffice. The original of this Contract Addendum shall be returned to ENGINEER after execution.

CLIENT:

ENGINEER:

[]

TROTTER AND ASSOCIATES, INC.

SIGNED:

TITLE

TITLE

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SECTION 9.0

NORTH REGIONAL INTERCEPTOR PHASE 2 CONSTRUCTION

MEMORANDUM

TO: Executive Oversight Committee

FROM: Jeremy Henning, Assistant Executive Director

DATE: April 11, 2024

RE: Request for Approval
2024 Collection System Rehabilitation Construction Contract



In September 2022 the Executive Oversight Committee awarded Final Design Engineering Services pertaining to the 2022-2024 Collection System Rehabilitation Program to RJN Group. The Glenbard Wastewater Authority owns, operates, and maintains approximately 6 miles of interceptor sewer, ranging from 18” diameter to 66” diameter, a small length (2000’) of 8” collector sewer, and over 90 manholes. The majority of the collection system was constructed in the late 1970’s after the formation of the Authority through an Intergovernmental Agreement between the Villages of Glen Ellyn and Lombard, and is mostly prestressed concrete cylinder pipe (PCCP). The Authority’s collection system has had little in ways of rehabilitation performed on it since being put into service, however, it has been routinely inspected.

RJN Group provided further analysis of existing inspections and developed a two phased approach to rehabilitate sections of the North Regional Interceptor, and associated manholes, that have seen significant degradation downstream of the St. Charles Road Lift Station force main. While sewage travels through force mains, the oxygen in the water tends to be depleted, leading to increased generation of hydrogen sulfide gases at the discharge of the force main. Those gases are corrosive in nature, and without corrective actions, the pipe segments identified are prone to structural issues.

Phase I of the project was completed in December of 2023 and successfully rehabilitated approximately 1,200 feet of sewer main and five manholes along St. Charles Road. The upcoming Phase II will cover approximately 2,000 feet of sewer main and six manholes that follow I-355 from St. Charles Road down to GWA’s CSO plant on Hill Avenue. Similar to Phase I, Phase II will consist of pre-construction cleaning, televising (pre and post construction), pipelining (varying from 24”-27” diameter), and the structural lining, epoxy coating, and grouting of the six manholes.

Phase II was advertised on February 28th with a project walkthrough on March 12th and a bid opening date of April 3rd. Five plan holders attended the project walk through and provided good feedback and questions regarding the upcoming rehabilitation.

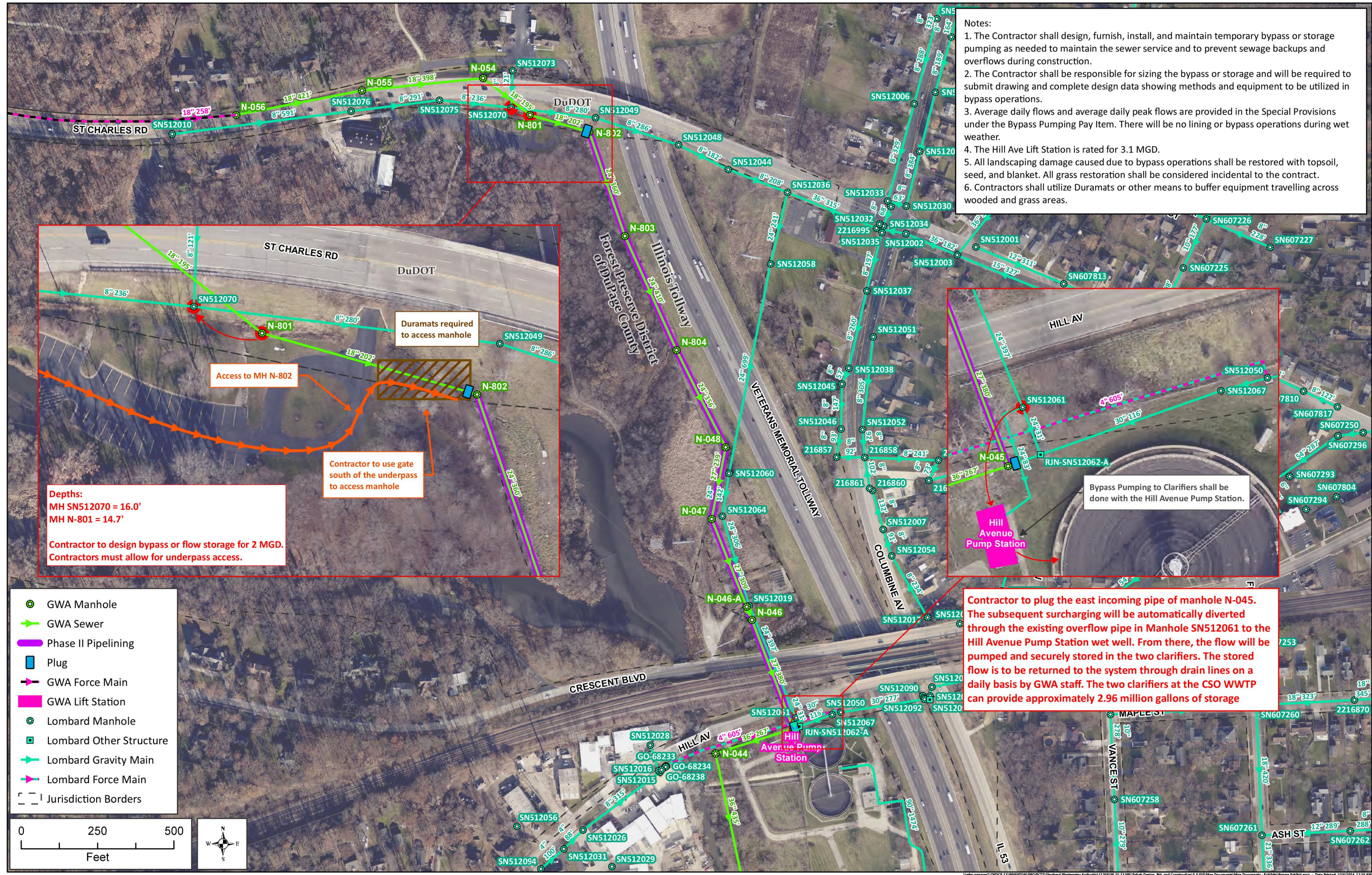
The results of the April 3rd, 2024 bid opening were as follows:

Budgeted Amount	Hoerr Construction	Insituform Technologies	Visu-Sewer Of Illinois	Benchmark Construction	National Power Rodding
\$ 650,000.00	\$ 517,565.00	\$ 608,336.30	\$ 694,355.00	\$ 703,000.00	\$ 869,428.90

All five plan holders provided bids for this project and after opening the bids, RJN Group examined the bidding documents to ensure all proper documentation was included, and performed reference checks on the apparent low bidder. Having worked with Hoerr Construction previously, RJN is confident in Hoerr's approach and has written the attached award recommendation letter (attachment also contains the bid tabulation for the bid opening). With all documents in place and satisfactory references, RJN is recommending award to Hoerr Construction.

Therefore, it is recommended the EOC authorize the Authority to award Hoerr Construction the 2024 Collection System Rehabilitation Construction Contract in an amount not to exceed \$517,565.00. This amount will be taken out of the budgeted \$650,000 in CY2024 Approved Budget, Fund 40-580150 Capital Plant Equipment Rehabilitation

The Authority is requesting the Executive Oversight Committee give authorization to award Hoerr Construction with a notice to proceed for the 2024 NRI Rehabilitation Project in the amount of \$517,565.00. This project was budgeted for in the CY2024 Approved Budget, Fund 40-580150 Capital Plant Equipment Rehabilitation.



- Notes:
1. The Contractor shall design, furnish, install, and maintain temporary bypass or storage pumping as needed to maintain the sewer service and to prevent sewage backups and overflows during construction.
 2. The Contractor shall be responsible for sizing the bypass or storage and will be required to submit drawing and complete design data showing methods and equipment to be utilized in bypass operations.
 3. Average daily flows and average daily peak flows are provided in the Special Provisions under the Bypass Pumping Pay Item. There will be no lining or bypass operations during wet weather.
 4. The Hill Ave Lift Station is rated for 3.1 MGD.
 5. All landscaping damage caused due to bypass operations shall be restored with topsoil, seed, and blanket. All grass restoration shall be considered incidental to the contract.
 6. Contractors shall utilize Duramats or other means to buffer equipment travelling across wooded and grass areas.

Duramats required to access manhole

Access to MH N-802

Contractor to use gate south of the underpass to access manhole

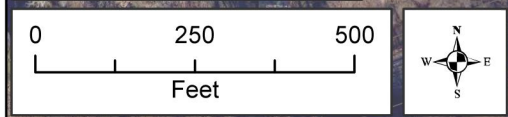
Depths:
 MH SN512070 = 16.0'
 MH N-801 = 14.7'

Contractor to design bypass or flow storage for 2 MGD. Contractors must allow for underpass access.

Bypass Pumping to Clarifiers shall be done with the Hill Avenue Pump Station.

Contractor to plug the east incoming pipe of manhole N-045. The subsequent surcharging will be automatically diverted through the existing overflow pipe in Manhole SN512061 to the Hill Avenue Pump Station wet well. From there, the flow will be pumped and securely stored in the two clarifiers. The stored flow is to be returned to the system through drain lines on a daily basis by GWA staff. The two clarifiers at the CSO WWTP can provide approximately 2.96 million gallons of storage

- GWA Manhole
- GWA Sewer
- Phase II Pipelining
- Plug
- GWA Force Main
- GWA Lift Station
- Lombard Manhole
- Lombard Other Structure
- Lombard Gravity Main
- Lombard Force Main
- Jurisdiction Borders



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DESIGNED: PH	
DRAWN: KL	
CHECKED: YG	
DATE: MARCH 2024	



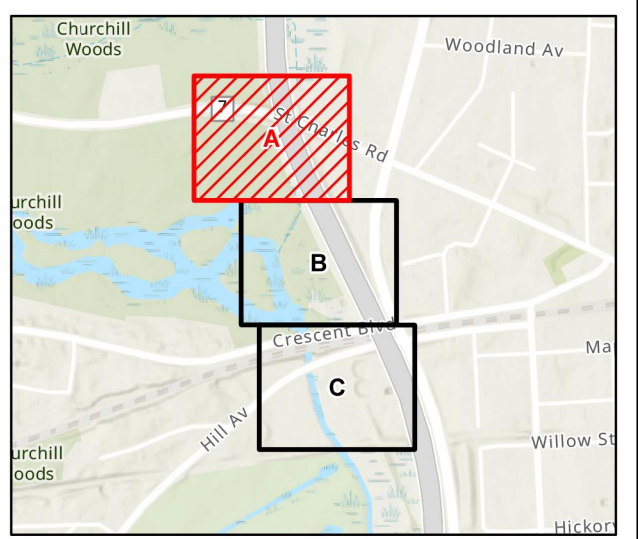
GWA 2024 NORTH REGIONAL INTERCEPTOR REHABILITATION PROJECT

SEWER BYPASS

DESIGNED: PH	SCALE: 11-3891-00	COUNTY: DUPAGE	TOTAL SHEETS: 11	SHEET NO.: 5
DRAWN: KL		STA. TO STA.		
CHECKED: YG				
DATE: MARCH 2024				

Notes:

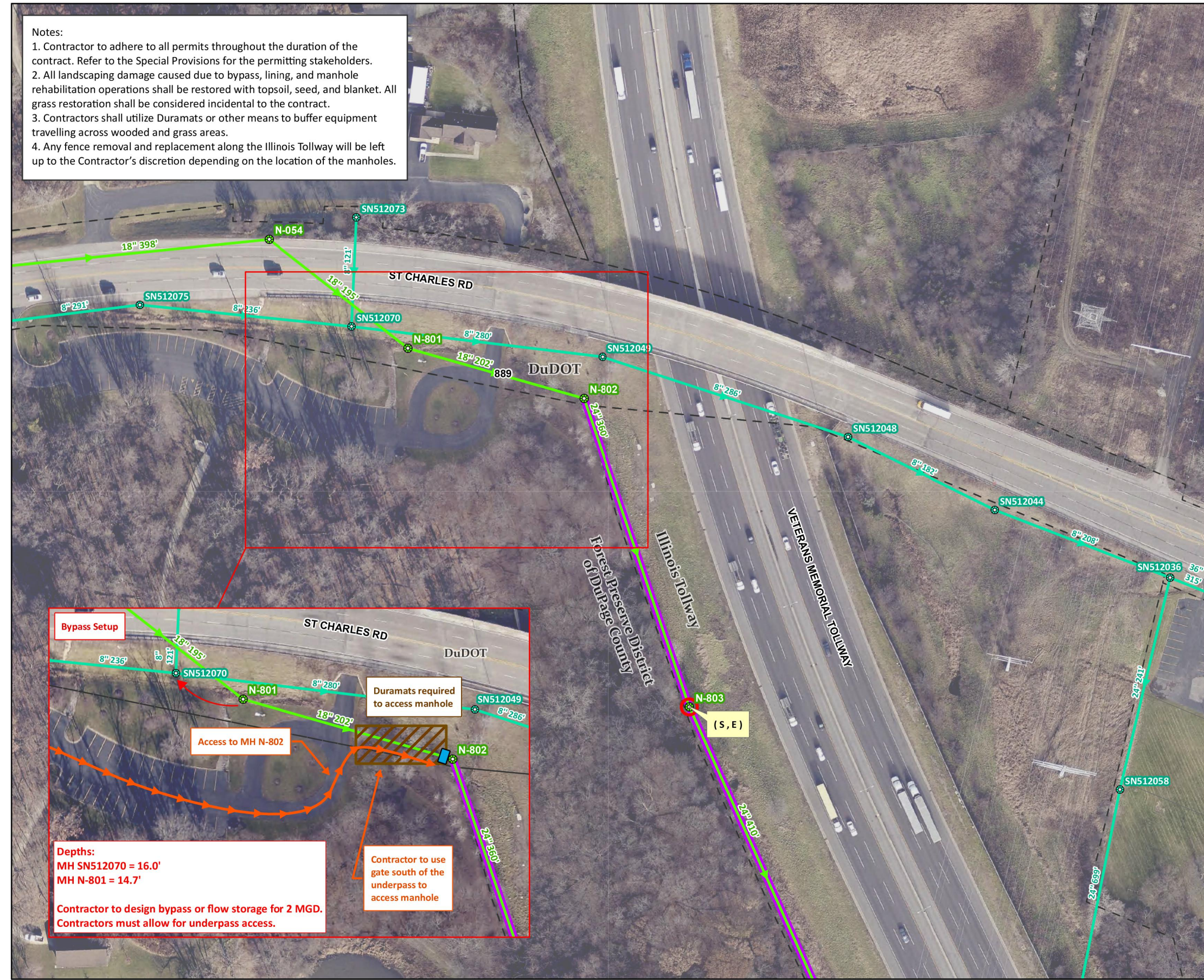
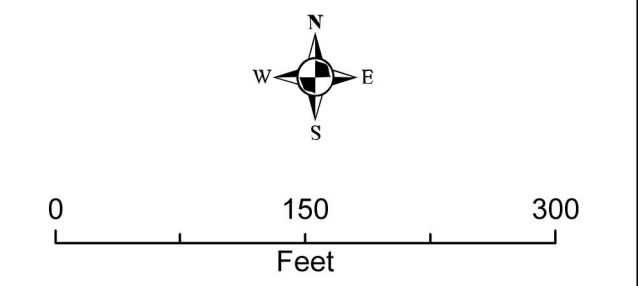
1. Contractor to adhere to all permits throughout the duration of the contract. Refer to the Special Provisions for the permitting stakeholders.
2. All landscaping damage caused due to bypass, lining, and manhole rehabilitation operations shall be restored with topsoil, seed, and blanket. All grass restoration shall be considered incidental to the contract.
3. Contractors shall utilize Duramats or other means to buffer equipment travelling across wooded and grass areas.
4. Any fence removal and replacement along the Illinois Tollway will be left up to the Contractor's discretion depending on the location of the manholes.



Rehabilitation Codes

FB-NP - Replace Frame and Bolted Cover (Non-Paved)
 S - Cementitious Sealing
 GB - Grout Bottom 18"
 E - Epoxy Coating

- Manhole to Rehabilitate
- GWA Manhole
- GWA Sewer
- Lombard Manhole
- Lombard Gravity Main
- Phase II Pipelining
- Jurisdiction Borders



Bypass Setup

Duramats required to access manhole

Access to MH N-802

Contractor to use gate south of the underpass to access manhole

Depths:
 MH SN512070 = 16.0'
 MH N-801 = 14.7'

Contractor to design bypass or flow storage for 2 MGD.
 Contractors must allow for underpass access.

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DESIGNED: PH	
DRAWN: KL	
CHECKED: YG	
DATE: MARCH 2024	



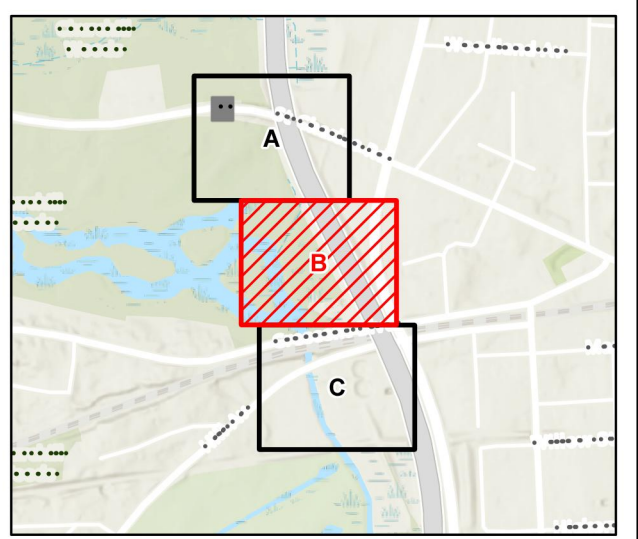
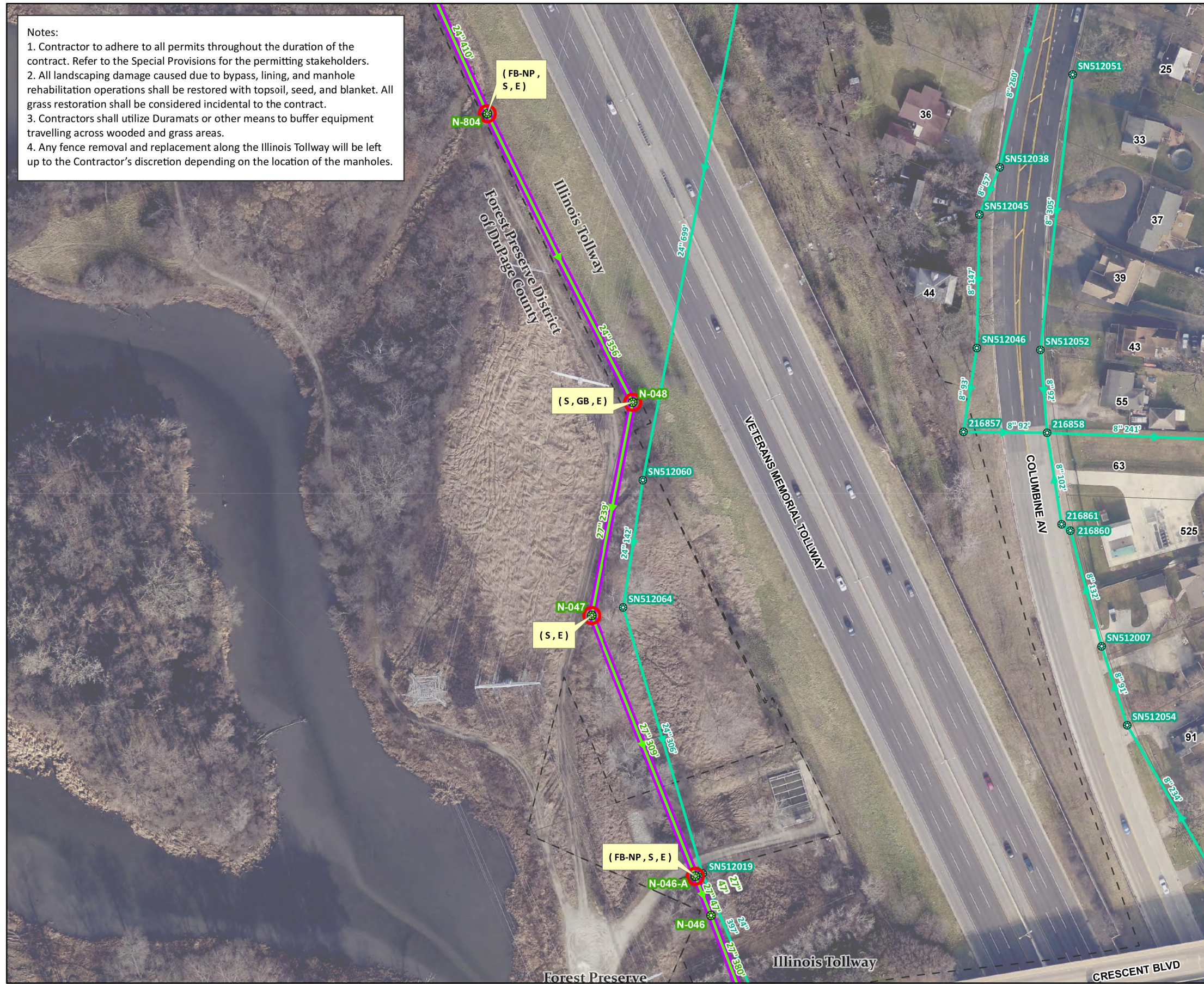
GWA 2024 NORTH REGIONAL INTERCEPTOR REHABILITATION PROJECT

PIPELINING & MANHOLE REHAB - (GRID A)

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL:	DUPAGE	11	6
VERTICAL:	STA.	TO STA.	
PROJECT NO. 11-3891-00			

Notes:

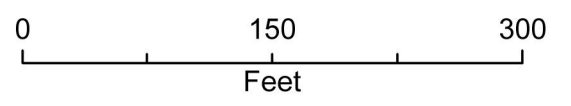
1. Contractor to adhere to all permits throughout the duration of the contract. Refer to the Special Provisions for the permitting stakeholders.
2. All landscaping damage caused due to bypass, lining, and manhole rehabilitation operations shall be restored with topsoil, seed, and blanket. All grass restoration shall be considered incidental to the contract.
3. Contractors shall utilize Duramats or other means to buffer equipment travelling across wooded and grass areas.
4. Any fence removal and replacement along the Illinois Tollway will be left up to the Contractor's discretion depending on the location of the manholes.



Rehabilitation Codes

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- GWA Sewer
- Lombard Manhole
- Lombard Gravity Main
- Phase II Pipelining
- Jurisdiction Borders



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DESIGNED: PH	
DRAWN: KL	
CHECKED: YG	
DATE: MARCH 2024	



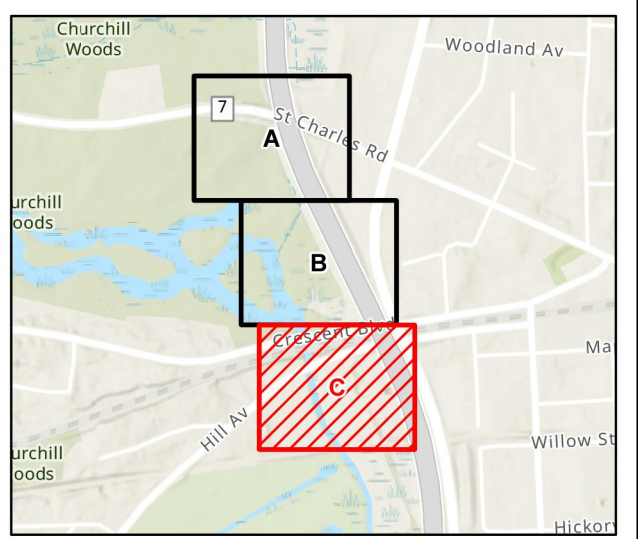
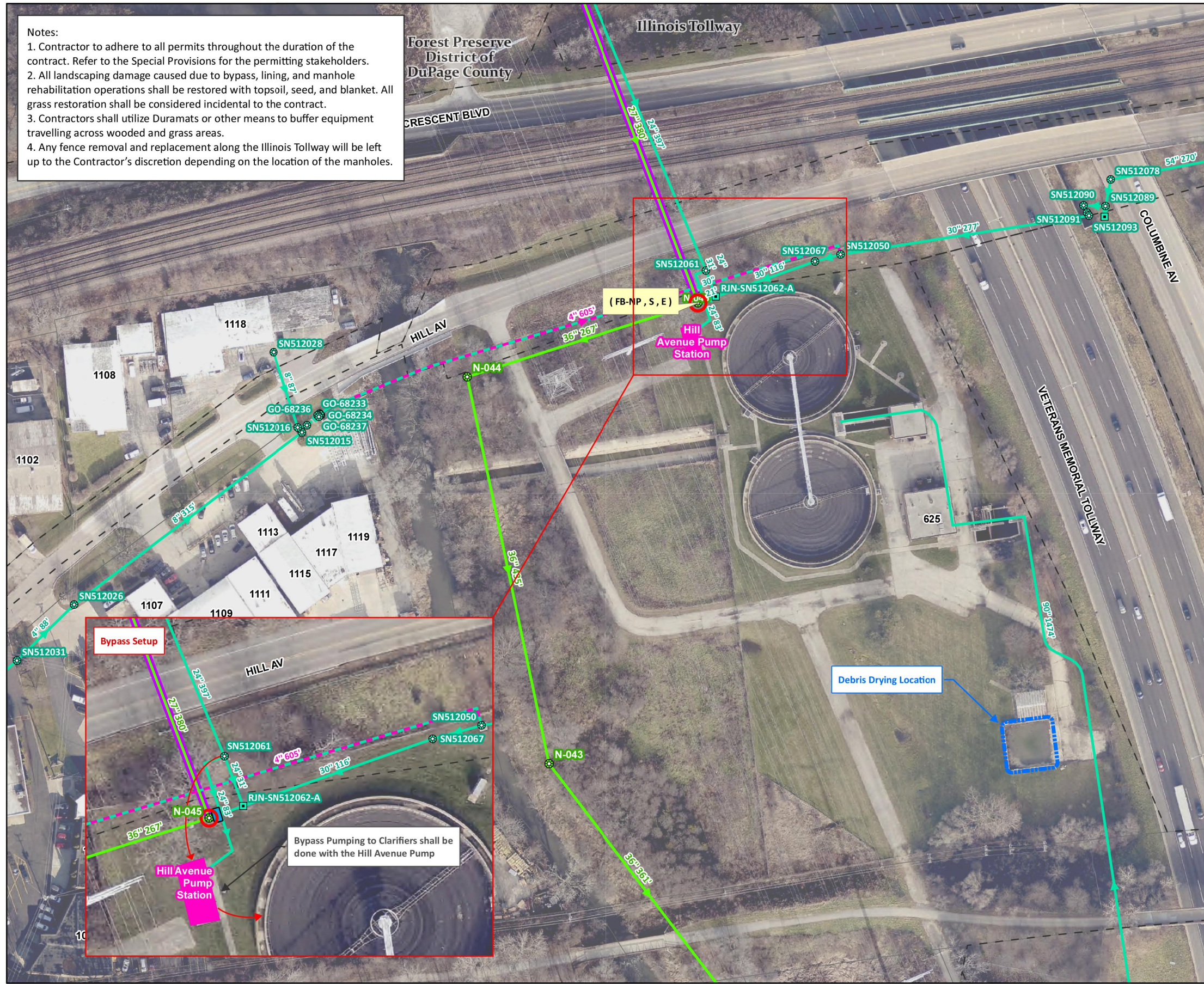
GWA 2024 NORTH REGIONAL INTERCEPTOR REHABILITATION PROJECT

PIPELINING & MANHOLE REHAB - (GRID B)

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL:	DUPAGE	11	7
VERTICAL:	STA.	TO STA.	
PROJECT NO. 11-3891-00			

Notes:

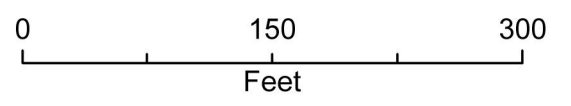
1. Contractor to adhere to all permits throughout the duration of the contract. Refer to the Special Provisions for the permitting stakeholders.
2. All landscaping damage caused due to bypass, lining, and manhole rehabilitation operations shall be restored with topsoil, seed, and blanket. All grass restoration shall be considered incidental to the contract.
3. Contractors shall utilize Duramats or other means to buffer equipment travelling across wooded and grass areas.
4. Any fence removal and replacement along the Illinois Tollway will be left up to the Contractor's discretion depending on the location of the manholes.



Rehabilitation Codes

FB-NP - Replace Frame and Bolted Cover (Non-Paved)
 S - Cementitious Sealing
 GB - Grout Bottom 18"
 E - Epoxy Coating

- Manhole to Rehabilitate
- GWA Manhole
- GWA Sewer
- Lombard Manhole
- Lombard Other Structure
- Lombard Gravity Main
- Lombard Force Main
- Phase II Pipelining
- GWA Lift Station
- Jurisdiction Borders



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DESIGNED: PH	
DRAWN: KL	
CHECKED: YG	
DATE: MARCH 2024	



GWA 2024 NORTH REGIONAL INTERCEPTOR REHABILITATION PROJECT

PIPELINING & MANHOLE REHAB - (GRID C)

SCALES	COUNTY	TOTAL SHEETS	SHEET NO.
HORIZONTAL:	DUPAGE	11	8
VERTICAL:	STA.	TO STA.	
PROJECT NO. 11-3891-00			

April 4, 2024

Matt Streicher P.E., BCEE
Executive Director
Glenbard Wastewater Authority
945 Bemis Road
Glen Ellyn, Illinois 60137

SUBJECT: GLENBARD WASTEWATER AUTHORITY, 2024 NORTH REGIONAL INTERCEPTOR REHABILITATION PROJECT - CONTRACT AWARD RECOMMENDATION

Dear Mr. Streicher:

Five bids were received for the above-referenced project. The lowest bid was received from Hoerr Construction of Goodfield, IL in the bid amount of \$517,565.00. A summary of the bids received for this project are as follows:

Hoerr Construction, Inc.	\$ 517,565.00
Insituform Technologies, LLC.	\$ 608,336.30
Visu-Sewer of Illinois, LLC.....	\$ 694,355.00
Benchmark Construction Co., Inc.....	\$ 703,000.00
National Power Rodding Corp.....	\$ 869,428.90

The engineer's estimate for the above referenced bid was \$795,150.00. The lowest responsible bidder was approximately 35% under the engineer's estimate. This is attributed to the easing of inflationary and supply chain pressures over the past year, alongside decreased bypass costs resulting from a streamlined approach.

RJN Group has had numerous positive experiences working with Hoerr Construction, Inc. (Hoerr) on previous projects in the field of sanitary sewer rehabilitation and bypass pumping, and they successfully completed the previous phase of the North Regional Interceptor rehabilitation within budget. Therefore, we recommend that the Glenbard Wastewater Authority award the contract for the North Regional Interceptor Rehabilitation Project to Hoerr Construction, Inc. in the bid amount of \$517,565.00.

Sincerely yours,

RJN GROUP, INC.



Patrick Hulsebosch, P.E.
Project Manager



Kiran Lantrip, E.I.
Graduate Engineer

GLENBARD WASTEWATER AUTHORITY PROJ: 2024 NRI REHABILITATION PROJECT LOCTN: 945 BEMIS ROAD GLEN ELLYN, IL 60137				OPNBD: 4/3/2024		APPROVED ENGINEER'S ESTIMATE OF COST		Hoerr Construction, Inc.		Insituform Technologies, LLC	
ITEM NO.	BASE BID DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	COST	UNIT PRICE	COST	UNIT PRICE	COST		
1	PRE-CONSTRUCTION SURFACE TELEVISIONING	1	L SUM	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00	\$ 6,000.00	\$ 6,000.00		
2	BYPASS PUMPING	1	L SUM	\$ 130,000.00	\$ 130,000.00	\$ 31,000.00	\$ 31,000.00	\$ 61,750.00	\$ 61,750.00		
3	PRE-CONSTRUCTION CLEANING AND TELEVISIONING	2170	LF	\$ 20.00	\$ 43,400.00	\$ 11.00	\$ 23,870.00	\$ 15.00	\$ 32,550.00		
4	PIPELINING (CIPP OR GRP CIPP) (24")	1130	LF	\$ 185.00	\$ 209,050.00	\$ 128.00	\$ 144,640.00	\$ 156.79	\$ 177,172.70		
5	PIPELINING (CIPP OR GRP CIPP) (27")	1040	LF	\$ 225.00	\$ 234,000.00	\$ 170.00	\$ 176,800.00	\$ 160.59	\$ 167,013.60		
6	REPLACE FRAME & COVER/BOLTED COVER	1	EACH	\$ 7,000.00	\$ 7,000.00	\$ 1,645.00	\$ 1,645.00	\$ 2,750.00	\$ 2,750.00		
7	GROUT BOTTOM 18"	1	EACH	\$ 700.00	\$ 700.00	\$ 1,450.00	\$ 1,450.00	\$ 1,800.00	\$ 1,800.00		
8	CEMENTITIOUS MANHOLE SEALING INC. BENCH/TROUGH, 48" DIAM.	80	VF	\$ 700.00	\$ 56,000.00	\$ 697.00	\$ 55,760.00	\$ 800.00	\$ 64,000.00		
9	EPOXY COATING INC. BENCH/TROUGH, 48" DIAM.	80	VF	\$ 700.00	\$ 56,000.00	\$ 520.00	\$ 41,600.00	\$ 650.00	\$ 52,000.00		
10	VACUUM TESTING	6	EACH	\$ 1,500.00	\$ 9,000.00	\$ 2,300.00	\$ 13,800.00	\$ 2,800.00	\$ 16,800.00		
11	TRAFFIC CONTROL	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 1,000.00	\$ 1,000.00	\$ 1,500.00	\$ 1,500.00		
12	CONTINGENCY ALLOWANCE	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00		
APPROVED ENGINEER'S ESTIMATE:					\$795,150.00	CORRECTED:		\$517,565.00	CORRECTED:		\$608,336.30
TOTAL:					\$795,150.00	AS READ:		\$517,565.00	AS READ:		\$608,336.30
TOTAL:					\$795,150.00	TOTAL:		\$517,565.00	TOTAL:		\$608,336.30

GLENBARD WASTEWATER AUTHORITY PROJ: 2024 NRI REHABILITATION PROJECT LOCTN: 945 BEMIS ROAD GLEN ELLYN, IL 60137				OPNBD: 4/3/2024		Visu-Sewer of Illinois		Benchmark Construction Co		National Power Rodding		
ITEM NO.	BASE BID DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	COST	UNIT PRICE	COST	UNIT PRICE	COST			
1	PRE-CONSTRUCTION SURFACE TELEVISIONING	1	L SUM	\$ 4,500.00	\$ 4,500.00	\$ 3,000.00	\$ 3,000.00	\$ 50,000.00	\$ 50,000.00			
2	BYPASS PUMPING	1	L SUM	\$ 125,000.00	\$ 125,000.00	\$ 80,000.00	\$ 80,000.00	\$ 5,000.00	\$ 5,000.00			
3	PRE-CONSTRUCTION CLEANING AND TELEVISIONING	2170	LF	\$ 5.00	\$ 10,850.00	\$ 65.00	\$ 141,050.00	\$ 35.00	\$ 75,950.00			
4	PIPELINING (CIPP OR GRP CIPP) (24")	1130	LF	\$ 194.00	\$ 219,220.00	\$ 130.00	\$ 146,900.00	\$ 129.57	\$ 146,414.10			
5	PIPELINING (CIPP OR GRP CIPP) (27")	1040	LF	\$ 226.00	\$ 235,040.00	\$ 165.00	\$ 171,600.00	\$ 161.12	\$ 167,564.80			
6	REPLACE FRAME & COVER/BOLTED COVER	1	EACH	\$ 2,000.00	\$ 2,000.00	\$ 4,500.00	\$ 4,500.00	\$ 18,000.00	\$ 18,000.00			
7	GROUT BOTTOM 18"	1	EACH	\$ 2,625.00	\$ 2,625.00	\$ 3,900.00	\$ 3,900.00	\$ 3,500.00	\$ 3,500.00			
8	CEMENTITIOUS MANHOLE SEALING INC. BENCH/TROUGH, 48" DIAM.	80	VF	\$ 374.00	\$ 29,920.00	\$ 650.00	\$ 52,000.00	\$ 500.00	\$ 40,000.00			
9	EPOXY COATING INC. BENCH/TROUGH, 48" DIAM.	80	VF	\$ 365.00	\$ 29,200.00	\$ 750.00	\$ 60,000.00	\$ 400.00	\$ 32,000.00			
10	VACUUM TESTING	6	EACH	\$ 1,000.00	\$ 6,000.00	\$ 2,000.00	\$ 12,000.00	\$ 1,000.00	\$ 6,000.00			
11	TRAFFIC CONTROL	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 3,050.00	\$ 3,050.00	\$ 300,000.00	\$ 300,000.00			
12	CONTINGENCY ALLOWANCE	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00	\$ 25,000.00			
					CORRECTED:	\$694,355.00	CORRECTED:		\$703,000.00	CORRECTED:		\$869,428.90
					AS READ:	\$694,355.00	AS READ:		\$703,000.00	AS READ:		\$869,428.90
					TOTAL:	\$694,355.00	TOTAL:		\$703,000.00	TOTAL:		\$869,428.90

SECTION 10.0

REQUEST FOR APPROVAL OF DATA ANALYSIS AND REPORTING PLATFORM

MEMORANDUM

TO: Executive Oversight Committee

FROM: Jeremy Henning, Assistant Executive Director

DATE: April 11, 2024

RE: **Request for Approval**
Data Analysis and Reporting Platform



Early in 2023, the GWA admin and supervisory team began discussions regarding the difficulties with our ability to pull reporting and analytical data from the various systems the Authority uses. Currently, process and control data is saved in two primary systems; first our SCADA platform called GE iFix which helps control and visualize the treatment process at the main plant and all remote sites, and a program called OpWorks that helps the operations and lab staff capture manually recorded information. These two systems do not communicate or share data with each other, which creates challenges when attempting to analyze or report on process data. Both systems have separate reporting functionality, but neither are very robust and both have shortcomings that can make them difficult to utilize.

With these difficulties in mind, the team began researching potential software solutions that could consolidate all of our data onto one platform, ease our ability to pull reports from that data, and provide more advanced visualization and analysis of our process data. Throughout 2023, a wide range of solutions were researched and demoed to determine what the different platforms and solutions in the market were capable of, and provide an estimated budget for purchase and implementation of one of the solutions. With that information gathered, GWA budgeted \$30,000 in the Small Capital Improvement budget for purchase and implementation in 2024.

After narrowing down the list of potential platforms, the shortened list of five software providers were demoed by the full admin and supervisory team. Each team member was provided a scoring matrix during the process and cost was not a consideration during evaluation to ensure a product was picked on functionality alone. After all demos were performed, scoring was tallied, and the team convened to discuss their comments and impressions; a platform called Ignition by Inductive Automation was selected. Ignition can provide all of the data consolidation, reporting, and analytical functionality the team is looking for and provide a path forward to expand upon the capabilities of our current SCADA system in the future.

Licensing and implementation costs were discussed with the Authority's SCADA integrator, Concentric Integration, who is a Gold Certified Integrator with Ignition. After determining the appropriate modules and licensing level, Concentric provided a quote of \$14,590.93 that would cover all licensing and the first year of support. While Authority staff does have some of the

expertise needed to implement the platform, the extensive experience Concentric has with Ignition implementations will ensure it is installed efficiently and utilizing best practices. The Authority intends to work with Concentric to determine areas of the implementation where costs can be saved by having Authority staff perform certain tasks.

Because of that and to provide the most flexibility for the implementation of the software, GWA is requesting authorization to utilize the remainder of the \$30,000 budgeted for this project (\$15,409.07) on a time and material basis with Concentric Integration. Concentric has provided an hourly rate range of their intended staff members of \$175-\$210 per hour. Authority staff will be closely monitoring costs and progress of the project to ensure the total does not exceed the budgeted \$30,000; and if further work is needed, additional funds will be budgeted in 2025 to continue to build out the platform.

The Authority's professional services policy that allows waiving of a competitive process to award a professional service based on a continuing relationship relating to work in a specific area of infrastructure, such as SCADA and Information Technology. Since this project requires an in-depth knowledge of the Authority's SCADA and PLC systems, staff is seeking to waive the competitive selection process and authorize the Authority to utilize Concentric Integration for this project

Therefore, the Authority is seeking a motion to authorize the waiving of a competitive selection process and utilize Concentric Integration for purchase and time and material implementation of Ignition by Inductive Automation for its Data Analysis and Reporting Platform in an amount not to exceed \$30,000. The funds will come out of the Small Capital Improvement fund 40-580120.

SECTION 11.0

HYDROGEN PEROXIDE CONTRACT RENEWAL

MEMORANDUM

TO: Executive Oversight Committee

FROM: Andrew Pakosta, Operations Superintendent
Jeremy Henning, Assistant Executive Director

DATE: April 11th, 2024

RE: **Request for Authorization**
USP Technologies 3-Year Contract



In January 2020 the Authority was approached by USP Technologies in regards to chemical additions to the treatment process that could assist with operational aspects of the biological process, such as odor control. Due to the sensitive nature of odors, and the possible avoidance of capital improvements by using chemical systems, the Authority agreed to meet with the company.

USP Technologies is a provider of peroxygen-based technologies and full-service chemical treatment programs for municipal and industrial water and wastewater treatment applications that provide low-risk, value-added solutions to their customers. They have been in business for over 20 years and presently manage over 200 chemical applications that treat close to a cumulative one billion gallons. They provide either turn-key solutions, where they maintain and operate chemical dosing systems, or they can simply be the provider of the materials and technology, which end users could own and operate.

In 2020, the TAC approved a pilot program with USP to provide odor control services to GWA. The EOC was made aware and GWA moved forward with the pilot program. Included in the pilot was installation of peroxide containment, dosing lines, dosing pumps, sensors, communications, project management, and maintenance. The pilot program was successful in reducing odors produced in the treatment process and was evident by a significant decrease in odor complaints during the most odorous season. Due to the success of the pilot study, GWA entered into a 3-year contract with USP to provide odor control starting June of 2021 and will expire in June of 2024 for a total not to exceed amount of \$136,920. To date, the Authority has exhausted the majority of the total amount approved by the EOC, and is seeking to renew the contract with USP.

With the previous contract expiring this June, a proposal was requested from USP to provide odor control services for another 3 years, starting in May 2024 and continuing through May of 2027.

Included in the proposal, USP will be upgrading the dosing equipment, pump controls and reporting platform, as well as providing continued use of peroxide containment storage, maintenance and management of all the equipment, testing to ensure proper dosing is being completed and is effective, the gallons of peroxide that will be used, peroxide delivery supervision, SCADA integration, emergency response, and any necessary training. GWA also has the ability to cancel the contract at any time, with a 30-day notice

USP's unit price per gallon is subject to an annual price increase. Annual price increases are to be capped at 6% based off previous contract years unit price. Please reference the pricing structure over the length of the 3-Year Contract in the table below. For additional information please refer to the complete proposal attached to this memo.

Contract Year	Unit Price
1	\$5.48
2	\$5.81
3	\$6.16

GWA has talked with industry peers and experts on GWA's shortlist of consultants in order to understand if there are any other qualified companies that provide the same service that is being proposed by USP. There are several chemical supply companies that would deliver the peroxide to the plant, but nobody is aware of the "turn-key" professional services that USP provides in addition to the delivery of chemical.

Therefore, due to the professional nature of the services and the lack of other providers, GWA, with the approval from the TAC, is respectfully requesting to waive the competitive bidding process per the purchasing policy C.1.a *Professional Services* and C.1.e. *Single Source Purchases* and is requesting EOC authorize the approval of the USP Technologies proposed 3-year contract with a not-to-exceed amount of \$195,955 over the length of the contract. This will come out of the budget 270-530440 Chemicals Fund, which has \$50,000 budgeted for hydrogen peroxide in CY2024, and will be budgeted appropriately for in future years.

February 14, 2024

Andrew Pakosta
Operations Superintendent
Glenbard Wastewater Authority
945 Bemis Road | Glen Ellyn, IL 60137

RE: USP Technologies Proposal for Full-Service Odor Control Program

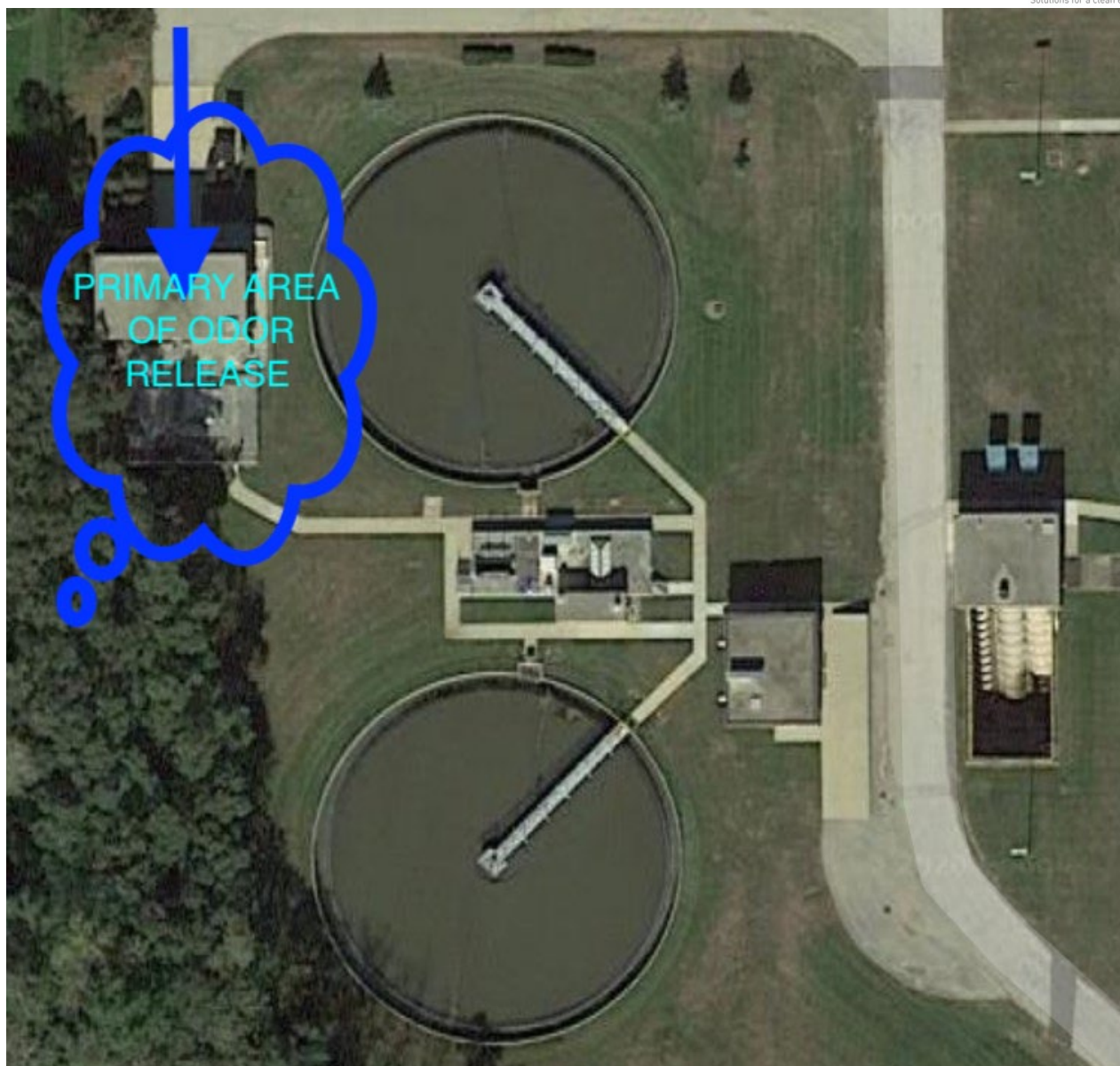
Dear Mr. Pakosta,

USP Technologies appreciates the opportunity to continue to provide our full-service odor control offering to GBWW for another 3-year term starting on May, 1st 2024 and ending on April 30th 2027.

USP Technologies is a provider of turnkey chemical solutions in water and wastewater applications. Along with the best fit chemistry for the application, USP provides systems, services, and technologies to ensure the desired level of treatment is supported.

For this application, GBWW is looking to control odors at the treatment facility headworks. Under the current scenario, raw wastewater is pumped to the headworks of the facility where it turbulently discharges into the grit chambers.





Scope of Services

For the ongoing program, USP Technologies will be providing and maintaining the following inclusive to the cost per gallon of peroxide ordered at GBWWs discretion:

- USP-3000 Double Contained Engineered Storage System
 - Inverse level indication
 - Secondary containment – 110%
 - Venting and pressure relief devices specific to peroxide service
 - Labels and placards compliant with local codes
- 50% hydrogen peroxide delivered via bulk tanker truck of ~2,700 gallons per delivery.
- 1 USP LVS series dosing system with dosing range of 0.02 gph to 16 gph
 - USP will be updating the dosing system and the new system will have:
 - Primary and back-up chemical pump
 - Chemical enclosure with containment sump
 - Level float in containment sump with emergency shut-off and alarm
 - Updates to **USP Vista** reporting platform; with training on how to access USP Vista system which will provide the agency with a high level of visibility over the peroxide dosing and easily record observation results into the platform
- Ongoing PM visits by USP technician on required PM schedule:
 - Prior to start-up each season
 - General inspection once per month during operations
- USP Technologies to maintain inventory of spare dosing head kits on site at GBWW and to be replaced as required by USP Technologies representative to maintain consistent dosing. If dosing should fail, USP Technologies will dispatch a representative within 1 business day to respond and repair dosing system, **at no additional cost to GBWW**.
- USP will provide updated Hydrogen Peroxide Safety Training annually. While GBWW personnel will not be in contact with peroxide it will still be prudent to have updated safety training on peroxide
- USP Technologies representative to schedule, meet, and attend all peroxide deliveries, **after confirmation of delivery need by GBWW**.

Glenbard agrees to continue to supply/provide the following:

- Wash down water with hose that can be used for wash-down water in case of chemical spill capable of delivering 0.4 GPM at 30 PSI
- Electrical service of 110 VAC, 60 HZ, 20A
- Access for bulk tanker truck deliveries which will be scheduled at least 1 week in advance with Glenbard personnel and attended by USP personnel
- Eyewash / Safety Shower

Pricing

Outline of pricing detail:

- 50% hydrogen peroxide delivered in bulk deliveries of ~2,700 gallons per delivery at \$5.48/gallon
 - Pricing held firm for 2024
 - Annual pricing increases to be capped at 6% and commence at the start of each new contract year.
 - Pricing subject to surcharges which are reviewed and updated quarterly.
 - Surcharges are based on unit price and surcharge fees cannot be more than 4% of unit price.
 - USP must provide 45-day notice prior to a surcharge increase.
- Contract term for 3-year period (2024, 2025, 2026) between USP Technologies and Glenbard Wastewater Authority not to exceed amount of \$195,955.
 - For this program, it is expected that peroxide for odor control will be needed during the summer months and into the early fall, as wastewater temperatures remain warm into the early fall
 - 3-year period to start with first delivery following agreement of this contract
 - This program can be canceled by either party upon 30-day notification

USP Technologies appreciates the opportunity to submit this proposal. If you have any questions or comments, please contact Brady Overton at (903) 239-3419.

Pricing excludes tax (Glenbard is tax exempt), payment terms are net 45 days

We appreciate the opportunity to submit this proposal and look forward to providing Glenbard with a valuable full-service solution. Again, please do not hesitate to contact me with any questions.

Sincerely,

Thanks,

Brady Overton

Territory Manager, Great Lakes Region

USP Technologies

(903) 239-3419 *mobile*

WWW.USPTECHNOLOGIES.COM

Accepted By:
USP Technologies

Signed: _____

Name: _____

Title: _____

Date: _____

Authorized By:
Glenbard Wastewater Authority

Signed: _____

Name: _____

Title: _____

Date: _____

USP Technologies Sole Source Statement

USP Technologies is unique in that we provide odor control services in a non-capital service-based approach. We are alone in the industry providing Systems, Services, Engineered Equipment, and Proprietary Technologies in a non-capital format. Following are the items unique to our offering:

- This non-capital approach is unique in the industry.
 - Engineered proprietary storage systems designed specifically for safe peroxide storage
 - Dosing system as detailed in our proposal is specifically designed and engineered for safe and effective hydrogen peroxide use.
- Proprietary ChemWatch® ACS monitoring system is also a sole source item as part of our overall offering.
 - With ChemWatch® USP will continuously monitor tank level, pumping operations, leak detection etc. USP is the only provider of the ChemWatch® system.
 - Fully automated and all accessible online as well so adjustments are efficient and timely
- Full Service:
 - System specialist that will conduct PM's for the system and is also on call should there be any issues. Any potential issue will be detected by our ChemWatch® system and corrected in such a way that operation will remain uninterrupted and seamless
 - USP Regional Manager Brady Overton with 20 years odor control applications experience within 3 to 4-hour drive of Glenbard facility. Brady will be responsible for working with Glenbard to optimize dosing rates to achieve desired level of odor / corrosion control at no additional cost. Both seasonal adjustments as well as setting a profile up to match diurnal loading patterns.
- Results Focused:
 - Unlike commodity chemical suppliers, USP is focused on results and not just dosing chemical. We will be monitoring H₂S levels at the control point via Oda-Logs and uploading results in order to optimize dosing. This focus on results rather than simply providing chemical differentiates USP from commodity chemical suppliers.

Provided USP LVS Dosing Module



- Primary and back-up chemical dosing pump
- Flow meter
- Back pressure system
- Pressure gauge
- Containment sump with emergency shutdown
- Emergency shutdown for high pressure
- On board ACS system and compatible with USP Vista

USP Provided Storage Tank Specifications:



USP Technologies Hydrogen Peroxide Storage and Feed System General Equipment Specifications

USP Technologies' (USP) modular storage and dosing systems have been specially designed to safely store and dose hydrogen peroxide for waste treatment and chemical process applications. The hydrogen peroxide storage and feed system can be effectively broken down into four categories (storage tank system, piping system, dosing module, and instrumentation & controls) each of which is described below.

Storage Tank System

The tank working capacity ranges from 1100 gallons to 10,500 gallons with specific tanks selected based on usage, space availability, logistics etc. USP will recommend a tank size for each application. Each tank system has integral secondary containment and is designed with a completely sealed containment area. The internal tank is of UV stabilized heavy-duty (16 lbs/gal rating) high-density (1.9 specific gravity) polyethylene (HDPE). The secondary containment (external) tank is of HDPE with UV stabilizers, sized to provide 110% containment capacity, and sealed to the primary tank to prevent seepage of rainwater into the annular space. It has an acrylic window to allow visual

inspection of the primary tank and bulkhead fittings (to confirm no leakage has occurred). Each tank system is built to seismic and wind requirements, and comes equipped with a dedicated passivated stainless steel or aluminum fill line, inspection ports, overflow pipe, breather vents, and relief devices all conforming to nationally-recognized engineering practices, e.g., the Factory Mutual Engineering Corp. (Norwood, MA) - H₂O₂ Loss Prevention Data 12-48/7-84.

Tank

1. Double contained storage tanks shall be molded from high-density linear polyethylene. The molding resin used shall be virgin Exxon Chemical Escorene #8660/8661, as compounded by the manufacturer, with the following chemical properties as a minimum.

Property	ASTM Std	Value
Resin Density	D1505	0.938-0.944 g/cc
Tensile Yield Stress	D638	2600 psi
Elongation at Break	D638	350%
ESCR (100% Igepal, Cond. A, F50)	D1693	400-1000 hours
ESCR (10% Igepal, Cond. A, F50)	D1693	200-500 hours
Vicat Softening Temperature	D1525	235°F
Flexural Modulus	D790	97,000-103,000 psi

The inner tank wall thickness shall be rated for 1.9 specific gravity, extra heavy wall, and the overall minimum required wall thickness shall be in accordance with ASTM D1998.

2. The outer wall shall contain between 0.25 - 0.50 percent ultraviolet stabilizer that is compounded in the resin. No titanium, or carbon based pigments, shall be used.
3. Double contained storage tanks shall be sized with the containment tank providing 110 percent capacity of the primary tank. The containment tank shall be sealed to the outer wall of the primary tank to prevent contamination.
4. Tank vents shall comply with CCR, Title 8 for normal venting of atmospheric tanks. Vent devices shall be designed in accordance with hydrogen peroxide industry standards to provide adequate relief in the event of deflagration of the tank contents. Contact USP Equipment and Engineering Services for assistance with sizing relief devices.
5. Each tank shall have a dedicated fill line. All nozzles attached to the tanks below the full level of the tanks shall be two-flanged style. The nozzles shall incorporate a passivated Type 316 stainless steel standard flange on each side of the tank wall with gaskets. Gaskets shall be of Viton, or equal cross-linked polyethylene. Bolts made of Type 316 stainless steel shall clamp the two flanges together, clamping the gaskets to the tank wall.
6. Proper caution or warning signs as prescribed by CCR, Title 8 shall be affixed to the tank. Said labeling shall be in a manner consistent with local codes.
7. Standard tank sizes are 1100, 2100 3000 5000, 6500 and 7800 gallon.

Terms & Conditions:

1. Weights. Seller's weights and volumes shall govern, except that in case of proven error adjustment shall be made.
2. Risk of Loss. Risk of loss and responsibility for all goods sold or provided hereunder shall pass to Buyer upon Seller's delivery to Buyer.
3. Warranty & Liability. Seller warrants that the goods shall conform to Seller's standard specifications in effect at time of shipment. SELLER MAKES NO OTHER WARRANTY, EXPRESS, OR IMPLIED, COVERING THE GOODS AND DISCLAIMS THE IMPLIED WARRANTY OF FITNESS FOR PURPOSE. Upon passage of title to the goods, Buyer assumes all responsibility and liability for and agrees to defend and indemnify Seller against, all claims, loss or damage resulting from Buyer's storage, handling, sale or use of the goods or their containers.
4. Indemnification. Buyer shall indemnify, defend and hold Seller harmless from and against that portion of any liability, costs, expense (including without limitation reasonable attorneys' fees and expenses), claim, judgment, settlement or damage (collectively, "Claims") that Seller may incur or be required to pay to any third party (including without limitation any employee of Buyer regardless of whether such employee is barred under applicable law from claiming against Buyer) which is caused or contributed to by any act or omission of Buyer, including without limitation those arising from the negligence of Seller. If Buyer resells the products sold hereunder, Buyer will use its best commercial efforts to obtain from its purchaser an indemnification similar to the foregoing for the benefit of Buyer and Seller.
5. Damages & Claims. Seller's liability for damages and remedies against the Seller shall be limited to return of the purchase price of the particular delivery with respect to which such damages are claimed. The foregoing constitutes the exclusive remedy against the Seller and entire liability of the Seller in connection with such delivery and Seller shall not be liable for any incidental or consequential damages. Buyer shall inspect each shipment of goods within a reasonable time after arrival at Buyer's plant, and in any event before use. Failure to make a claim in writing against the Seller within 30 days after arrival of goods at destination shall constitute an irrevocable acceptance of goods. Any action for breach of this contract must be commenced within one year after the cause of action has accrued.
6. Default or Waiver. If Buyer fails to perform any of the terms of this contract, Seller may defer shipments until such failure is made good or may treat such failure as final refusal to accept further shipments and may cancel this contract. A Seller may terminate this contract if Buyer becomes insolvent. This contract shall automatically terminate in the event Buyer assigns his property for the benefit of creditors or is adjudicated a bankrupt. Either party's waiver of such party's rights thereafter to enforce and compel strict compliance with conditions of this contract, at any time, shall not in any way affect, limit, or waive such party's right thereafter to enforce and compel strict compliance with every term and condition of the contract.
7. Excuses for Nonperformance. Seller shall have no liability for any delay or failure in performance hereunder, in whole or in part, if such delay or failure arises from (i) compliance in good faith with any foreign or domestic governmental regulation or order, whether or not later shown invalid or inapplicable; (ii) the occurrence of any contingency the nonoccurrence of which was a basic assumption at the time this contract was made, including without limitation acts of God, fire, flood, accident, riot, war, terrorism, sabotage, strike, lock-out, labor trouble or shortage, breakdown or failure of equipment, or embargo; (iii) Seller's inability to obtain any required product, material, energy source, equipment, labor, or transportation at prices and on terms deemed by Seller to be acceptable; (iv) Seller's incurring increased costs for compliance with environmental protection, health or safety regulations; or (v) any other event or occurrence not within the reasonable control of Seller. If any such circumstances affect only a part of Seller's capacity to perform, Seller may allocate products, services and deliveries among its customers and its own requirements as Seller may determine in its sole discretion. Quantities affected by this paragraph may, at the option of either party, be eliminated from the contract without liability, but the contract shall remain otherwise unaffected.
8. Assignability & Continuity. The Buyer shall not assign this contract or any right or obligation under this contract without Seller's prior, written approval; however, this contract shall be binding upon and inure to the benefit of any actual or purported successors of the parties hereto.
9. Surcharges. Notwithstanding anything in this Contract to the contrary, Seller reserves the right to impose a special temporary surcharge in the event of any increase in the price of energy or any other raw material that is reasonably likely to have a material impact on Seller's overall costs of Products and Services, or is imposed on Seller by its material or services providers. The amount of such surcharge will be limited to that required to negate the increase in Seller's costs resulting from such increases. Seller shall give Buyer written notice at least ten (10) business days prior to imposing any such surcharge and shall reduce or remove such surcharge at such time as the price of energy or raw materials return to levels which no longer justify such increase.
10. Equipment. Where Buyer's program includes the provision of Equipment, the following shall apply: (a) *Ownership*: Unless and until such time Buyer pays for Equipment in full, any Equipment provided hereunder shall remain the sole and exclusive personal property of Seller even though Buyer may attach Equipment to realty. Seller may cause such Equipment to be marked to indicate Seller's ownership. Buyer agrees to cooperate in the filing of any necessary financing statements to protect Seller's interests; (b) *Use*: Equipment shall be used only in conjunction with the prescribed use of Seller Products and Buyer agrees not to introduce any other material into the Equipment; (c) *Buyer Facility*: Buyer shall install and provide necessary utilities as specified by Seller for the term of this Agreement and, in addition, will provide Equipment with shelter, tank pads, spill protection and foundations as appropriate. Buyer shall receive, unload, and place Equipment at no cost to Seller; (d) *Maintenance and Consumables*: Seller shall be responsible for all routine maintenance, within the scope of the applicable Equipment warranty, and Buyer shall be responsible for purchasing all consumables in connection with the use of the Equipment; and (e) *Risk of Loss*: Customer agrees to assume all risk of loss arising from or pertaining to the possession, operation, or use of such Equipment. Buyer shall obtain and maintain for the term of this Agreement property damage and liability insurance sufficient to cover loss or damage to the Equipment including, without limitation, loss by fire (including so-called extended coverage) and such other risks of loss as are customarily insured against for the businesses in which Customer is engaged.
11. Patents. Seller represents that to the best of its knowledge, the sale and/or use by Buyer of goods in the form sold hereunder will not infringe any composition of matter claims in any adversely held U.S. Patent claiming the goods per se, but in the event that it is alleged that such sale and/or use constitutes infringement of such Patent, then Seller's liability to the Buyer shall (i) be limited to the defense of such infringement actions and

the payment of damages awarded therefor by a court of competent jurisdiction from which no appeal is or can be taken, and (ii) arise only if Buyer promptly gives Seller written notice of such claim and full authority, information and assistance for the defense of such claim. Seller's warranty as to use patents only applies to infringement arising solely out of the use of the goods according to their applications as envisioned by Seller's specifications. In no event shall Seller be liable for any infringement or alleged infringement arising from or caused or alleged to be caused by Buyer's combination of the goods supplied hereunder with other goods in any fashion not specifically recommended by Seller or by use of the goods in any process not specifically provided or recommended by Seller and is provided on the condition that the Buyer is likewise responsible for and will defend, indemnify and hold harmless the Seller against all losses, claims, expenses or damages which may result from the misuse or misapplication of any goods or services by the Buyer or any third party affiliated or in privity with Buyer. The foregoing states the entire liability of the Seller with respect to patent infringement by said goods. Seller reserves the right to suspend deliveries hereunder, or to terminate this contract, if the Seller believes that the manufacture and/or sale by the Seller, or the sale and/or use by the Buyer, of any goods sold hereunder infringes on any U.S. PATENT.

12. Applicable Law – Entirety. The construction, performance and completion of this contract shall be governed by the law of the state of Delaware. This contract is intended by the parties as the final expression of their agreement and is the complete and exclusive statement of the terms thereof, notwithstanding any oral representations or statements to the contrary heretofore made. No modification or release shall be effective unless in writing, signed by both parties, and specifically stating it is such modification or release.
13. Termination. If pursuant to any Federal, State or local law, regulation or ordinance Seller is required to install any additional equipment or facilities, in order to comply with governmental standards and if the cost of such installation, in Seller's opinion, makes it uneconomic to Seller to continue production of the goods, Seller may terminate this contract on 30 days prior written notice to buyer.
14. Acceptance. All sales and purchases of products hereunder are limited to and conditional on Buyer's acceptance of these standard terms and conditions. Seller objects to and rejects any terms and conditions that may be proposed by Buyer which are in addition to or different from these standard terms and conditions. No modification of this contract shall be effected by the acknowledgment or acceptance of purchase order forms containing different or additional terms or conditions.

SECTION 12.0

DISCUSSION

SECTION 12.1

RENEWABLE NATURAL GAS DISCUSSION

MEMORANDUM

TO: Executive Oversight Committee

FROM: Matt Streicher, P.E., BCEE, Executive Director

DATE: April 11, 2024

RE: Renewable Natural Gas Discussion



During previous Executive Oversight Committee (EOC) meetings discussion had been held regarding the remaining life of the Combined Heat and Power (CHP) engines and future plans.

When the CHP facility was constructed and came online in 2016, the original return on investment (ROI) for the project was estimated to be anywhere from 8 to 16 years. After an unforeseen process upset, and other significant setbacks, the ROI quickly exceeded 16 years. Furthermore, due to digester gas issues, planned maintenance shutdowns, and other unforeseen failures, the ROI had continued to escalate. The facility has been online since 2016, and it is estimated that there is still over 8 years remaining before the investment is fully paid off. The CHP engines will need to be replaced before another 8 years have passed, which will furthermore diminish the return on investment.

Due to the poorer than expected uptime of the CHP engines, preliminary analysis had begun to see if replacing the engines would be the best path moving forward, or if other options to utilize the Authority's biogas would yield better results. The Authority began receiving outside waste sources in 2016 to increase biogas production to provide better utilization of the CHPs, and after taking several years to develop, the Authority now has a very well-established program that generates nearly \$200,000 per year in revenue. However, the Authority needs to have a use for the increased biogas production in order to continue receiving outside waste.

While replacing the CHP engines in-kind would be the lowest capital investment, the Authority would continue to have a slower than expected return on the investment. After research on other uses for the biogas, Renewable Natural Gas (RNG) stood out as the most viable alternate option moving forward, although, it would require another significant capital investment. Preliminary cost estimates were obtained and conservative and best-case scenarios return on investments were calculated yielding anywhere from a 6 year to a 13-year return on investment.

In late 2023 the United States Environmental Protection Agency (USEPA) began accepting applications for Climate Pollution Reduction Grants. The USEPA will award 30 to 115 grants ranging between \$2 million and \$500 million (a total of \$5 billion is available), with a focus on diverse geographic coverage.

The agency is seeking collaborative, transformational projects to maximize impact. They are emphasizing that projects will be most competitive if they have a strong need for funding that cannot be met by other funding sources. Creating renewable natural gas and injecting it back into the natural gas transmission provides an environmental benefit due to it being a renewable product and the lessening of dependence on fossil natural gas.

With several other local facilities also looking into RNG, a coalition of biogas producers was formed to apply for the grant. The coalition consists of 8 other wastewater treatment plants and one closed municipal landfill within the Chicago metropolitan statistical area (includes parts of Wisconsin and Indiana). All members of the coalition invested an initial \$10,000 to hire a technical consultant and grant writer, and signed the enclosed letter of understanding. To date, the coalition has received positive feedback from those involved with the grant program, and submitted the completed application by the April 1st due date, applying for a total of \$196 million to distribute among the coalition members for the installation of RNG facilities. As part of the grant requirement, any funded projects would have to be completed by October 2029.

If awarded, the grant would cover the capital costs for the installation of RNG facilities at the Authority, and would yield an immediate return on investment of around \$1.5 million a year in revenue. If the coalition is not awarded the grant, the Authority will continue further discussion as to whether or not installation of a renewable natural gas facility is a viable option, or if the CHP program should continue. Although RNG yields a favorable return on investment over the CHP's, the Authority did not budget for such a facility, and it would require a significant initial capital investment.

No action is needed from the EOC at this time.

Chicagoland Methane Recapture Project: Reducing GHG Emissions and Producing Renewable Natural Gas from Waste

Lead Applicant Information

Fox Metro Water Reclamation District

Karen Clementi

kclementi@foxmetro.org

630-892-4378



Prepared For

Chicagoland Renewable Natural Gas Coalition

Including:

- Fox Metro Water Reclamation District
- Wheaton Sanitary District
- DuPage County Wastewater Division
- Fox River Water Reclamation District
- Kishwaukee Water Reclamation District
- Glenbard Wastewater Authority
- Kenosha Water Utility
- Village of Addison Wastewater Plant
- Forest Preserve District of DuPage County (Mallard Lake and Greene Valley landfills)
- Chicago Metropolitan Mayor’s Caucus

Funding Requested

\$ 196,301,500

Brief Description of GHG Measure

Coalition members will develop the infrastructure necessary to capture all wastewater digester and landfill biogas for conversion to renewable natural gas, eliminating methane leakage and flaring while displacing fossil-derived natural gas production.

Sectors

Waste and Materials Management

Expected Total Cumulative GHG Emission Reductions

Member Type	2025-2030 GHG Reductions (MTCO ₂ e)	2025-2050 GHG Reductions (MTCO ₂ e)
Total	-273,016	-1,118,869

Location

Chicago Metropolitan Statistical Area

Applicable PCAP References

2024 Priority Climate Action Plan for the Chicago Metropolitan Statistical Area

Prepared by the Metropolitan Mayor’s Caucus and the Chicago Metropolitan Agency for Planning
Applicable GHG Reduction Measure: Capture biogas and convert to energy. (pg. 40,51,77)

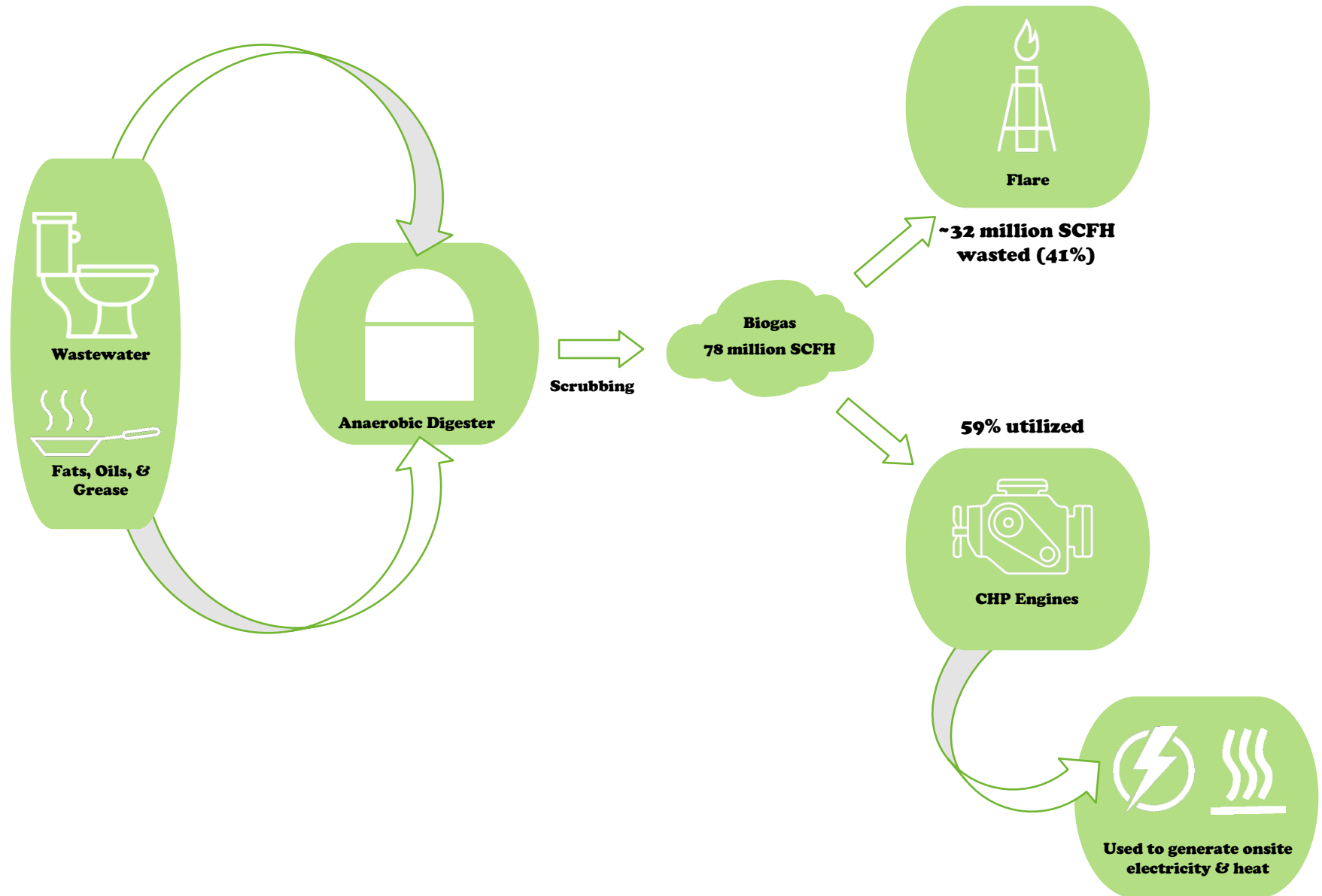
[chicago-msa-pcap.pdf \(epa.gov\)](#)

Prepared By

Stantec

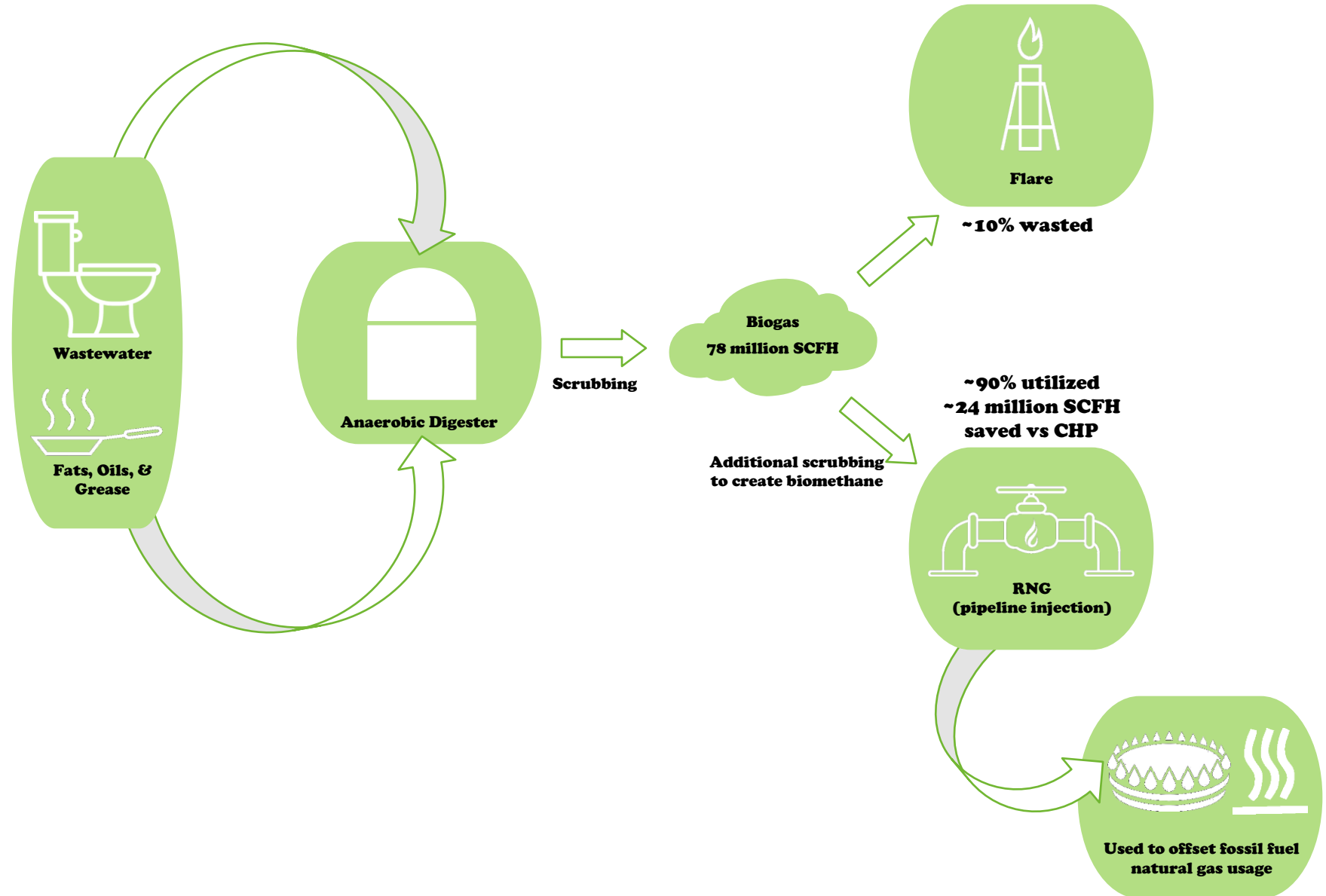


Current CHP Biogas Beneficial Reuse





Potential Renewable Natural Gas (RNG) Biomethane Beneficial Reuse





Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137
Telephone: 630-790-1901 – Fax: 630-858-8119

March 8, 2024

Dear Selection Committee,

RE: Chicagoland Renewable Natural Gas Coalition Letter of Intent

On behalf of the Glenbard Wastewater Authority, we are writing to express our support and commitment for the Chicagoland Renewable Natural Gas (RNG) coalition's Climate Pollution Reduction Grant Application. The Chicagoland RNG initiative will capture biogas from publicly owned wastewater treatment facilities in the Chicago MSA, and landfill biogas, and convert to renewable natural gas in a way that will significantly reduce GHG by 2030 and beyond. The project will impact a region spanning 14 counties and three states with a solution that is scalable, replicable, and financially sustainable.

The Climate Pollution Reduction Grant aims to invest in a cleaner economy that will spur innovation and economic growth while building more equitable, resilient communities. The Chicagoland RNG project exemplifies this mission by working collaboratively across multiple municipalities, states, and agencies to invest in innovative infrastructure that will turn literal waste into revenue. Income generated from the sale of captured biogas can then be reinvested for community benefit to provide cost-saving measures for low-income communities and finance additional GHG reduction strategies. The project is anticipated to significantly reduce GHG in a densely populated region plagued by environmental justice issues that remains in non-attainment for National Ambient Air Quality Standards for ozone and particulate matter.

The Glenbard Wastewater Authority is a municipal Authority that was formed through an intergovernmental agreement between the Village's of Glen Ellyn and Lombard, and provides wastewater treatment services to approximately 90,000 residents in both Villages and surrounding areas of unincorporated DuPage County, Illinois. As a coalition member, we will support the project through outreach and public engagement and plan to implement biogas treatment and conversion to RNG at our facility that will result in significant GHG reductions.

Federal funding for the Chicagoland RNG Project will advance the Environmental Protection Agency's (EPA) Fiscal Year (FY) 2022-2026 Strategic Plan's goal to combat the climate crisis by aggressively reducing emissions that contribute to climate change while actively reducing air pollution that negatively impacts human health and environment of more than 9.6 million residents in the nation's third-largest metropolitan region. This transformational project aligns with President Biden's Justice40 Initiative by ensuring that federal investments benefit vulnerable residents in the most disadvantaged communities across the nation.

Protecting the Environment for Tomorrow

For all these reasons and more, the Glenbard Wastewater Authority is fully committed to the Chicagoland RNG Project and intends to sign a Memorandum of Agreement with Fox Metro Water Reclamation District (lead applicant) and other coalition members by July 1, 2024.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Streicher", with a long horizontal flourish extending to the right.

Matthew Streicher
Executive Director

SECTION 12.2

SOLAR DISCUSSION

MEMORANDUM

TO: Executive Oversight Committee

FROM: Matt Streicher, P.E., BCEE, Executive Director

DATE: April 11, 2024

RE: **Solar Discussion**



In 2023 the Executive Oversight Committee (EOC) authorized the Authority to enter into an agreement with Satori Enterprises, LLC, for solar photovoltaic system procurement consulting. The consulting services were to assist putting together a request for proposals for a solar array, and were at no initial cost to the Authority. The consultant would only receive payment if and when the Authority chose to move forward with any proposals received, with no obligation for the Authority to take any action.

Request for proposals were sent out to all solar developers qualified and approved to work in the state of Illinois. The request was to develop unused Authority property and construct a solar array for the purposes of supplying electric power to the Authority, with payment either being in the form of a lump sum payment or a power purchase agreement (PPA). If the Authority chose to pay the lump sum, it would require a capital investment, and the Authority would own the solar array while receiving all the associated benefits/incentives for the construction/use of the array. If the Authority entered into a PPA, there would be no up-front cost to the Authority, and instead an electric rate would be secured for a 25-year period where the Authority would pay to use the electricity generated by the solar. The specific area the Authority was seeking to construct the array is in an unused area of land on the East side of the DuPage River as seen in the below graphic.



A total of two rounds of requests for proposals were sent out, with the Authority only receiving one response each time, both from the same solar developer. Due to the lack of competitiveness, the Authority chose not to move forward with either proposal. However, the proposals provided for a decent return on investment, and therefore, further analysis was done on why more proposals were not received.

In order to construct a solar array on the East side of the DuPage River, considerable site development would need to occur to make the land constructable. Based on feedback the Authority received, since most solar developers are not familiar with land development, they chose to not submit proposals because of uncertainty. After receiving this feedback, the Authority began to independently research the scope and cost to prepare the land for the construction of a solar field.

The Authority performed a preliminary engineering study on the land development that revealed two potential options to move forward. If the Authority wished to utilize the entire vacant area (~10 acres) the cost was estimated to be over \$2 million just for land preparation, and would take over 2 years due to permitting, floodway, and other regulatory issues. If the Authority chose to only utilize the old lagoon area (~5 acres), the cost estimated lowered to just over \$600,000, with a 11-month completion time. With the latter option appearing to be favorable, the Authority chose to continue discussions focusing only on that area.

This information was shared with the Authority's solar consultant, where it was discussed whether or not the Authority should resend a request for proposals that included this information, or whether the Authority should perform the site development separately in order to attract more solar developers. The consultant still advised that solar developers may be hesitant to submit proposals even though a scope was defined and made easier, so it may be more favorable for the Authority to perform the work itself.

Discussion was held with the TAC, as although the solar array would yield a decent return on investment of around 7-8 years, the development of the land and a solar array is not budgeted for. The return on investment would largely be seen within the first 3-4 years as well after all of the incentives are realized. Due to this attractive ROI and incentive system, further discussion needs to be held with the TAC and finance directors.

If the Authority chose to move forward with the next step toward developing the land itself, the next engineering phase would require the Authority to spend an additional \$41,707 in fees.

No action is needed from the EOC at this time.

SECTION 12.3

PRIMARY SLUDGE DIRECT FEED LINE

SECTION 12.4

UPCOMING VEHICLE PURCHASES

SECTION 13.0

OTHER BUSINESS

SECTION 13.1

TECHNICAL ADVISORY COMMITTEE UPDATES



Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137
Telephone: 630-790-1901 – Fax: 630-858-8119

GWA Technical Advisory Committee (TAC) Meeting Agenda February 15, 2024 2:00pm

1. Airgas Safety Issue
 - a. Despite their ownership/design, upgrades need to be performed to incorporate new safety standards that were not in place when the system was originally installed. The costs for these upgrades are being relayed onto us through either a one-time fee, or an increase in the monthly lease fee.
 - b. \$800 additional per month, and extend the lease out another year (expire April 2028 vs. April 2027). A price for liquid oxygen in “year 6” will be provided (following the 5% increase of years 1-5).
 - c. Would begin after equipment is installed (expected to be June/July 2024)
 - d. Existing \$1,500 lease fee has not increased since we began leasing the vaporizers in 2017.
 - i. Mr. Streicher summarized the background of the vaporizers for our oxygen supply and Airgas’ request to change the piping layout due to safety concerns from the drivers. We believe the two options that will be suggested is to pay for the changes in one lump sum (Est. \$35,000) or increase our lease payment by ~\$800.
 - ii. Mr. Goldsmith asked if the original lease had language to allow what they are asking? He also asked which direction we are leaning toward and if we could extend the lease further to lower the monthly cost.
 - iii. Mr. Goldsmith asked if we could take a closer look at the language in the contract to verify we are responsible.
 - iv. Mr. Buckley asked if there is any benefit to Glenbard, and Mr. Streicher confirmed there is not, this strictly addresses safety concerns for the drivers.
 - v. Mr. Buckley asked if we could have legal look at the contract to verify our responsibility.
 - vi. GWA will ask what other options we can bring to the table.
2. Flow Billing Discussion
 - a. Flow split is calculated differently in flow billing than in the budget
 - b. VOGE Finance suggests using budget calculation
 - i. Mr. Streicher explained the difference in averages/calculations that were found between the semi-annual true-up and the monthly flow bills.
 - ii. Mr. Streicher clarified that we will look to address this in the future and bring all parties to the table, but will continue as is for now.
3. Admin Parking Lot/Bemis Road Reconstruction
 - a. Mr. Streicher summarized the status of the engineering portion of the project and that plans have been submitted. There are still discussions going back and forth to determine what GWA’s contribution to the Bemis construction portion.
 - b. Discussion back and forth between the group but agreed that the final decision of how much GWA will contribute will be between Mr. Franz and Mr. Niehaus.
4. Water Main Ownership
 - a. Village of Glen Ellyn vs. GWA
 - b. Overhead Fee
 - c. Add in surcharge for PW assistance to GWA for forestry, water main repair, etc.
 - i. Mr. Streicher explained the meeting that GWA had with VGE PW regarding the ownership of watermain that serves GWA.
 - ii. Discussion back and forth between the group regarding the ownership and how to allocate costs that might be accrued from VGE to Glenbard. VGE is approaching this ownership change similar to a residential water line where the ownership begins after the curb-stop/b-box.
5. CHP Updates

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- a. Mr. Streicher confirmed that both CHP's are back up and running and that we met with Nissen recently to discuss the downtime with our CHP's.
6. Hydrogen Peroxide Odor Control Contract Renewal
 - a. Mr. Streicher summarized the new contract that GWA will request to engage with USP for hydrogen peroxide delivery and services and the associated updates we will get with the new contract. This item will go the EOC at the next meeting for approval.
7. NRI Rehabilitation Phase II
 - a. Mr. Henning summarized the status of the Phase II rehab plans and that we expect 100% drawings in the next several days, at which time we will include staff from Lombard so they can see the bypass plans that will utilize their water main.
 - b. Discussion between the group regarding the costs, as the most recent engineers estimate is more than was previously discussed.
8. Data Analysis and Reporting Solutions
 - a. Mr. Henning summarized the recent efforts by staff to demo and select a new data platform that will allow GWA to pull and analyze data more efficiently, and all from one platform. This will be moving forward over the next couple of months with an approval requested expected to go to either Mr. Franz or the EOC.
9. Online SDS Platform Submission
 - a. Mr. Henning explained that GWA had recently submitted their master list of chemicals and SDS sheets to the third party SDS hosting provider. Staff will be working with the vendor to get everything online in the next couple of months.
10. Main Plant and CSO Bridge Repair
 - a. Mr. Henning summarized the efforts from last year regarding the bridge repair at the main pumping station and that we intend to go out to bid for that work this spring/summer. Prior to going out to bid, GWA will engage with the same engineering firm to inspect the bridge at CSO as well and determine if there are potential cost savings by going out to bid for both bridges at the same time or not.
11. IDOT Rt. 56/53 improvements
 - a. Mr. Streicher explained that the IDOT project seems to be moving forward this year. We intend to engage with the engineer that we had worked with in the past on this project so that we can get the drawings and timeline up to speed.
12. Old Business
 - a. Bond Status
 - i. Mr. Streicher explained that the bond is set for the VGE March 11th meeting.
 - b. Facility Plan Update
 - i. Mr. Streicher explained that we had our kick-off meeting recently and GWA is working on RFI requests to get the project moving. Additional information has been requested from each village as well and we will work with them to get that information.
 - c. EBDRBT @ CSO
 - i. No updates
 - d. NRI Rehabilitation Phase I
 - i. To be removed from future agenda's as this will be closed out in the next few weeks.
 - e. Primary Clarifier Project
 - i. Gravity Thickener Staging
 1. Mr. Streicher explained that another hurdle has come up at the last minute regarding the gravity thickener sludge. Mr. Streicher explained that the current potential solution is to temporarily thicken activated sludge prior to pumping it to our digesters. The engineer is working through these hurdles prior to going out to bid. This will push back the advertisement and bid dates, which will affect the overall timing of the project as well.
 - f. Solar Feasibility
 - i. No update.
 - g. Video Management System
 - i. Mr. Henning explained that after researching potential vendors, GWA has chosen it's VMS provider and ordered the required hardware and licensing. This equipment is scheduled to be here in the next several days and will then be installed with the vendors assistance.
 - h. CHP Future/Alternatives



Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137
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- i. CHP Performance
 - 1. Nissen Visit
- ii. RNG
 - 1. Coalition for USEPA Grant
 - 2. Mr. Streicher explained that GWA will be contributing to a coalition created to apply toward a grant proposal. This proposal will propose that a group of wastewater agencies can eliminate a significant amount of GHG's by implementing RNG solutions.
 - 3. Mr. Goldsmith asked how much the grant is for and Mr. Streicher explained that the coalition has talked about different amounts, but so far nothing is set in stone.
 - 4. Additional discussion back and forth between the group regarding the costs, how much is being asked for, commitments, etc... There is some concern that at this point there are quite a number of questions without answers that need to be addressed.
- i. Hearing conservation program
 - i. Annual audiometric testing after audio sampling and hearing program manual is complete
Send Carl manual after we've completed.
[No update. Will continue to work on and provide once complete.](#)
- j. Exhibits and language for Village/GWA Connection points at
 - i. Agreement between VOL and VOGI for Hill Ave Force Main point of entry
 - ii. Language in IGA's with other entities



Glenbard Wastewater Authority

945 Bemis Road Glen Ellyn, Illinois 60137
Telephone: 630-790-1901 – Fax: 630-858-8119

GWA Technical Advisory Committee (TAC) Meeting Agenda March 21, 2024 2:00pm

1. Airgas Safety Issue
 - a. “Loose” language in contract stating that we are responsible for “all applicable legal and safety requirements.”
 - b. Despite their ownership/design, upgrades need to be performed to incorporate new safety standards that were not in place when the system was originally installed. The costs for these upgrades are being relayed onto us through either a one-time fee, or an increase in the monthly lease fee. Options Airgas laid out
 - i. \$800 additional per month, and extend the lease out another year (expire April 2028 vs. April 2027). A price for liquid oxygen in “year 6” will be provided (following the 5% increase of years 1-5). Essentially 3 years at an additional \$800/month = \$28.8k
 1. Invoices would be itemized to show that the lease payments are still \$1,500, and the additional \$800 is a “special assessment” that would essentially fall off after 3 years (at end of contract)
 2. No guarantee our lease fees would remain \$1,500 upon new contract start
 - ii. One-time lump sum of \$33k
 - iii. “no legal” option of increasing the lease fee to \$1,800/month, resulting in an additional \$10.8k through the life of the contract.
 1. Lease fee at beginning of new contract would be based off of a previous lease fee of \$1,800, not \$1,500. Doesn’t provide for any protection
 - c. Would begin after equipment is installed (expected to be June/July 2024)
 - d. Existing \$1,500 lease fee has not increased since we began leasing the vaporizers in 2017.
 - i. Mr. Streicher summarized past discussions and explained that GWA had a meeting since the last TAC meeting and asked them to provide the specific language that required us to be responsible for the safety adjustments.
 - ii. Mr. Goldsmith asked if there have ever been any unsafe conditions reported by AirGas and Mr. Streicher confirmed that the drivers had sent complaints to AirGas directly but not notified us, which is what triggered this request for changes.
 - iii. Mr. Streicher explained the details of the options AirGas provided to GWA and discussion was had between the group regarding the legality and who should own the responsibility of the safety repairs.
 - iv. Ideas were brought up about attempting to lock in the \$300 rate increase up until 2030 which gives us the ability to control our costs moving forward and still provide them with additional funds to perform these changes.
2. April EOC Agenda Items
 - a. Bond Issuance
 - i. Approval of the issuance of Member Debt by the Village of Glen Ellyn for improvements to the Authority’s Wastewater Treatment Facilities, including the Primary Clarifier and Gravity Thickener Improvements Project, pursuant to and in accordance with the provisions of Article VIII(B) of the Joint Agreement.
 1. Mr. Streicher summarized the status of the bond issuance and that we will be getting the EOC’s approval to move forward since the board approvals of the IGA revisions are complete.
 - b. Admin Parking Lot/Bemis Road Reconstruction

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- i. Authorization to release funds
 - 1. Parking Lot: \$257,835.75
 - a. Mr. Streicher summarized the price breakdown of the parking lot construction and that it was less than the engineers estimate.
 - 2. GWA Portion of Bemis Road: \$266,867.25
 - a. Half of roadway aggregate subgrade (including excavation)
 - b. Half of required roadway undercuts
 - c. Half of roadway fabric
 - d. Half of asphalt base course
 - i. Mr. Streicher explained the justification behind the GWA portion of the Bemis Road reconstruction contribution.
- ii. Construction Logistics
 - 1. Truck routes
 - 2. Letters to residents that may be impacted by truck detour routes
 - a. Potential Routes
 - i. Parking ban on Sheehan/Sunnybrook?
 - b. Village or GWA to send
 - i. Mr. Henning summarized the current status of the Bemis Road construction and the concerns regarding additional truck traffic down Sheehan. GWA will notify it's truckers to start using Sheehan next week and that will remain in place until the contractor confirms they are done with the sanitary service lines. Mr. Henning will notify V3 and the Village engineer.
- c. Admin Parking Lot Construction Engineering
 - i. ~\$31,000 (not including up to \$18k already approved)
 - 1. Mr. Streicher summarized that this will be on the EOC for approval and will follow our professional services policy that allows for waiving competitive bidding. Trotter performed the engineering for this project.
- d. Hydrogen Peroxide Odor Control Contract Renewal
 - i. Proposal for next 3 years
 - 1. \$5.48/gallon firm for 2024
 - 2. Annual price increase capped at 6%/year
 - 3. Surcharges capped at 4% of unit price (45 day notice prior to increase)
 - 4. Seeking a total 3-year contract not to exceed \$195,955
 - a. Fits into CY2024 budget
 - i. Mr. Streicher summarized the cost increases and the breakdown of costs that were negotiated with USP. GWA feels comfortable with the language provided in the new contract and will seek approval for the full 3-year contract with the listed NTE.
- e. NRI Rehabilitation Phase II
 - i. Bid Opening April 3rd
 - 1. Mr. Streicher explained that the NRI rehabilitation Phase II is currently out to bid with the bid opening date of April 3rd. RJN confirmed a quick turn-around time for their award recommendation so that this can be approved in the April EOC meeting.
- f. RNG Discussion
 - i. Coalition for USEPA Grant Letter of Intent
 - ii. Grant Language
 - 1. Mr. Streicher summarized the status of the grant application with the RNG coalition. Details were presented to the group regarding the potential ROI if the grant is not funded and GWA were to move forward with RNG directly. Discussion amongst the group of the many different facets and details that will need to be worked out prior to getting approval. All agreed that the topic will be discussed at a high level at this month's EOC meeting so they can be made aware of the MOU and the potential this project provides.
- g. Data Analysis and Reporting Solutions purchase approval

so staff can gather more information from the consultant and prepare the information.

3.

- e. Video Management System
 - i. Mr. Henning briefly explained that the video management system has been installed, but the contract is having difficulty getting our video cameras to properly work with their system. Mr. Henning explained that depending on what they determine, GWA may need to have them remove the system and determine next steps.
- f. Hearing conservation program
 - i. Annual audiometric testing after audio sampling and hearing program manual is complete. Send Carl manual after we've completed.
 - 1. Remove from future meetings as this has been shared with Mr. Goldsmith. Audiometric testing intending to be performed next year when it can be budgeted for.
- g. Exhibits and language for Village/GWA Connection points at
 - i. Agreement between VOL and VOGÉ for Hill Ave Force Main point of entry
 - ii. Language in IGA's with other entities

SECTION 13.2

OTHER ITEMS

SECTION 14.0

NEXT EOC MEETING

THURSDAY,

MAY 9, 2024

AT 8:00 A.M.