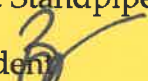


VILLAGE OF LOMBARD
REQUEST FOR BOARD OF TRUSTEES ACTION
For Inclusion on Board Agenda
Bids and Proposals

TO : President and Village Board of Trustees
FROM : Scott Neihaus, Village Manager
DATE : September 21, 2020 Agenda Date October 1, 2020
TITLE : Waiver of Bids - North Avenue Standpipe Rehabilitation Project
SUBMITTED BY: Brian Jack, Utilities Superintendent 

RESULTS:

Date Bids Were Published _____ Bidding Closed _____
Total Number of Bids Received _____
Total Number of Bidders Meeting Specifications _____
Bid Security Required _____ Yes _____ No
Performance Bond Required _____ Yes _____ No
Were Any Bids Withdrawn _____ Yes _____ No
Explanation:
Waiver of Bids Requested? _____ X Yes _____ No
If yes, explain: Purchase is directly from manufacturer.
Award Recommended to Lowest _____ X Yes _____ No
Responsible Bidder?
If no, explain:

FISCAL IMPACT:

Engineer's estimate/budget estimate \$1,303,294.00 for service agreement.
Water/Sewer Capital Reserve Fund: 520.790.715.75420 Proj: WA 26 04 Construction
Amount of Award \$2,500.00 for FY 2021 for inspections and maintenance.
Water/Sewer Capital Reserve Fund: 520.790.715.75420 RM PROG 32 Water System
Improvements and Maintenance

BACKGROUND/RECOMMENDATION:

The Public Works Department seeks approval to add North Avenue Standpipe (SOW 4) to the MSA for rehabilitation in 2024 with inspections in 2021, 2022, and 2023. This service agreement is in accordance with the Board approved serviced agreement with Utility Services Company, Inc. for the Highland Ave Elevated Tank in 2020.

Has Recommended Bidder Worked for Village Previously X Yes ___ No
If yes, was quality of work acceptable X Yes ___ No

REVIEW (as needed):

Village Attorney XX _____ Date _____
Finance Director XX _____ Date _____
Village Manager XX _____ Date _____

NOTE: All materials must be submitted to and approved by the Village Manager's Office by 4:30 pm, Wednesday, prior to the Board Agenda distribution.

**MEMORANDUM**

To: Scott Niehaus, Village Manager
From: Brian Jack, Utilities Superintendent
Through: Carl Goldsmith, Director of Public Works
Date: September 21, 2020
Subject: **Utility Service Company, Inc**
North Avenue Standpipe Rehabilitation Project - WA 26 04

Executive Summary/Background

The North Avenue Standpipe was last painted in 2011 after the new roof was installed and interior of the tank was partially rehabbed under that project. The tank was originally built in 1955 and has been maintained throughout its years in service. The tank holds 1.6 million gallons (MG) of water and is one of the main sources of water for both fire suppression and consumption on the north side of Lombard. Typically, steel water tanks are painted every 12-15 years in accordance with American Water Works Association (AWWA) standards and are budgeted for in the Capital Improvement Plan as a lump sum expenditure.

Introduction

The tank had a preliminary maintenance inspection performed in 2017 by Dixon Engineering, Inc. and an asset condition inspection in 2019 by Utility Service Company. The purpose of each inspection was to determine the condition of the coatings and structure and to evaluate the tank for compliance with current sanitation guidelines, safety and security regulations, and guidelines in accordance with AWWA, OSHA, and related state and federal agencies.

The painting in 2011 used a traditional procurement model of hiring a tank industry engineering and consulting firm to develop a bid document. Once an engineer was selected, the Village then bid and let a second contract for the painting and maintenance services. Village staff then managed two distinct contracts until the project was completed. This method increased staff involvement in the project as well as the bidding and awarding of painting contractors from out of state causing delays and unresponsiveness from said contractors. The exterior coating that was applied in 2011 has not weathered favorably and is showing signs of premature deterioration that may lead to future problems.

Staff engaged several firms back in 2019 about a different approach to tank painting that would shift the responsibility away from the Village by using a different procurement model. Utilizing an organized service program approach to tank painting, the maintenance and painting of the water tank would be through scheduled professional maintenance.

This model would flatten budgetary expenditures over 15 years, shifts maintenance accountability to the contractor, and provide a perpetual warranty on the water tank. Any repairs or touch up painting needed would be handled by the contractor. The traditional model only allows for a one-year warranty. Any repairs identified after the one-year warranty using the traditional model would be the Village's responsibility and involve various contractors and engineering firms and multiple points of contact.

Also, in 2019, the Village entered into a Master Service Agreement (MSA) with Utility Service Company, Inc. of Atlanta Georgia. The MSA created a Scope of Work (SOW) for the initial Highland Elevated Tank rehabilitation, SOW Number 1. The Highland Tank was rehabilitated in 2020 under this contract with no issues to report. The MSA allows for the addition of other Village (assets) reservoirs and storage tanks when their rehabilitation is due. In 2020, staff also worked with USC to develop a rehabilitation plan for the Civic Center Reservoirs. Civic Center North Reservoir is SOW 2 and Civic Center South Reservoir is SOW 3. Utilizing an organized service program approach to tank rehabilitation, the maintenance and lining of the two reservoirs would be through scheduled professional maintenance. North Avenue Standpipe Rehabilitation would be considered SOW 4 and would be added accordingly to the MSA.

Discussion

As previously mentioned, staff developed an RFP in 2019 that incorporated a long term, full service maintenance, and asset management program for the Highland Elevated Water Tank. The intent of the RFP was to determine the most qualified Company in terms of experience, capability, and price from which the Village of Lombard could contract these services. Other benefits include one point of contact, qualified sub-contractors and technology partners, fixed pricing based on a predetermined scope of work and no change orders on the agreed upon scope of work. The professional services contract (MSA) developed is an alternative method of asset management that includes: engineering, professional management, initial structure and coatings rehabilitation, installation of compliance upgrades, as well as ongoing annual inspections and future maintenance. The future maintenance includes but is not limited to: regular reservoir interior washouts, preventative maintenance, repairs, emergency repairs, and future re-lining of each underground reservoir. The proposal for the North Avenue Standpipe included a multi-year plan (15-year minimum) detailing annual costs for supplying the professional services necessary to provide the proposed potable water storage tank asset management program. The SOW was written to include costs associated with perpetually warranting all coatings for protective function and the tank's interior and exterior coatings to a high standard of appearance until the next full coating rehabilitation in 15 years.

Each year staff will present the Board of Trustees with an update and memo to approve each annual payment, typically in October, for the respective year it is due. The agreement and payments are subject to available funding and may be terminated at any time by the Village. The pricing matrix for North Avenue was created using a 15-year schedule. The cumulative cost for the project is the total for all 12 years plus 3 years' worth of inspection services (see attachment for Scope of Work and 18-year pricing matrix schedule). Note: expenditures over the 18-year span will include inspections, then the initial upfront tank rehabilitation in 2024 and a second full rehabilitation in 2038, thus two full tank renovations over the life of this agreement.

Due to the advancing deterioration of the exterior coating, the Village is opting to enter into this agreement in 2021 (3 years ahead of the scheduled FY 2024 construction year) in the event something catastrophic happens to the tank over the next 3 years, USC will mobilize and remedy the situation quickly. Years 2021, 2022, and 2023 will cover USC costs for inspections and maintenance of the tank of \$2,500 for each year. These inspection costs will be funded from the Water/Sewer Capital Reserve Fund RM PROG 32 Water System Maintenance and Improvements Fund. The remaining years will come from the Water/Sewer Capital Reserve Fund. The USC pricing matrix for steel elevated tanks is 15 years. Since there will be three years of inspection added to the beginning of this service agreement, years 16-18 the annual fee shall be adjusted to reflect cost of service at that time. The adjustment of the annual fee shall be limited to a maximum cap of 5% annually in which the average range over the past 20 years has been from 3.0-3.5%. In year's 16 through 18, the Village will receive a letter from USC informing them of the adjust and amount due. The Village will budget accordingly during CIP discussions. A perpetual warranty for the full 15 years is also included in the costs which begins in 2024 after the initial rehabilitation is completed.

Proposals

Utility Service Company submitted a proposal for the North Avenue Standpipe:

CONTRACT YEAR	Village Operating Budget	Village Capital Budget	Utility Service Company, Inc - Combined Expenditures
1 -2021	\$2,500		\$2,500
2 - 2022	\$2,500		\$2,500
3 - 2023	\$2,500		\$2,500
4 - 2024		\$265,003	\$265,003
5 - 2025		\$265,003	\$265,003
6 - 2026		\$265,003	\$265,003
7 - 2027		\$48,220	\$48,220
8 - 2028		\$49,927	\$49,927
9 - 2029		\$51,694	\$51,694
10 - 2030		\$53,524	\$53,524
11 - 2031		\$55,419	\$55,419
12 - 2032		\$57,381	\$57,381
13 - 2033		\$59,412	\$59,412
14 - 2034		\$61,515	\$61,515
15 - 2035		\$63,693	\$63,693
16 – 2036		TBD	
17 – 2037		TBD	
18 - 2038		TBD	
Total	\$7,500.00	\$1,295,794.00	\$1,303,294.00

VILLAGE OF LOMBARD

PIPE GALLERY AND CONCRETE REHABILITATION PROJECT

CONTRACT DOCUMENT NUMBER WA 26 04

This agreement is made this 1st day of October 2020, by and between, and shall be binding upon, the Village of Lombard, an Illinois municipal Corporation hereinafter referred to as (the "Village") and (_____) hereinafter referred to as (the "Contractor").

Witnesseth That in consideration of the mutual promises of the parties delineated in the Contract Documents, the Contractor agrees to provide asset management and tank maintenance/rehabilitation services and the Village agrees to pay for the following described items as set forth in the Contract Documents:

North Avenue Standpipe Rehabilitation Project
in an amount not to exceed \$2,500.00 for Year 1

1. This Contract shall embrace and include all the applicable Contract Documents listed below as if attached hereto or repeated herein. Each September, the Board of Trustees will take executive action to approve each payment in the respective year it is due. This agreement and payments are subject to available funding.
 - a. The Contractor's Proposal dated August 8, 2020
 - a. Year 1: \$2,500.00
 - b. Year 2: \$2,500.00
 - c. Year 3: \$2,500.00
 - d. Year 4: \$265,003.00 – Tank Rehabilitation (2024)
 - e. Year 5: \$265,003.00
 - f. Year 6: \$265,003.00
 - g. Year 7: \$48,220.00
 - h. Year 8: \$49,927.00
 - i. Year 9: \$51,694.00
 - j. Year 10: \$53,524.00
 - k. Year 11: \$55,419.00
 - l. Year 12: \$57,381.00
 - m. Year 13: \$59,412.00
 - n. Year 14: \$61,515.00
 - o. Year 15: \$63,693.00
 - p. Year 16: TBD
 - q. Year 17: TBD
 - r. Year 18: TBD – Tank Rehabilitation (2038)

- b. Required Certificate of Insurance, Indemnification, Venue, Other Contractor Responsibilities
- 2. The Village agrees to pay, and the Contractor agrees to accept as full payment for the items which are the subject matter of this Contract the total sum of \$351,300.00 paid in accordance with the provisions of the Local Government Prompt Payment Act and the provisions of the Contract Documents.
- 3. Risk of loss, destruction or damage of or to goods under this Contract shall be on contractor until delivery of the goods to the Village and acceptance of the goods by the Village.
- 4. The Contractor agrees to perform the terms of this Contract according to the following schedule set forth in their proposal after the Notice to Proceed has been delivered. Time is of the essence of this Contract.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by Village President, and the Contractor have hereunto set their hands this 1st day of October 2020.

If an individual or partnership, all individual names of each partner shall be signed or if a corporation, an officer duly authorized shall sign here:

Accepted this __ day of _____, 20__.

Individual or Partnership _____ Corporation _____

By Position/Title

By Position/Title

Print Company Name

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 1st day of October 2020.

Keith T. Giagnorio
Village President

Attest:

Sharon Kuderna
Village Clerk

VILLAGE OF LOMBARD
CONTRACTOR'S CERTIFICATION

_____, having been first duly sworn, depose and states as follows:

I am the _____ for _____
(Officer or Owner of Company) (Title) (Name of Company)

(the "Contractor"), which has submitted a proposal for North Avenue Standpipe Rehabilitation to the Village of Lombard and, having personal knowledge of the matters certified to herein, and being authorized by the Contractor to make the certifications set forth herein, hereby certifies that said Contractor:

- 1. has a written sexual harassment policy in place, in full compliance with 775 ILCS 5/2-105(A) (4);
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate revenue Act; or
b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement;
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382, and that

(Name of employee/ driver or "all employee drivers")

is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules; and

- 4. is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3 or 33E-4 of Article 33E of the Illinois Criminal Code of 1961.

By: _____
Authorized Agent of Contractor

Subscribed and sworn to before me this _____ day of _____, 2020.

Notary Public

SCOPE OF WORK NO. 4
TO THE MASTER SERVICES AGREEMENT BETWEEN
UTILITY SERVICE CO., INC.
AND
VILLAGE OF LOMBARD, IL

WATER TANK MAINTENANCE – 1,600,000 GALLON STANDPIPE – NORTH AVENUE TANK

1. **Effective Date.** The Effective Date for this Scope of Work No. 1 (“SOW4”) shall be _____, 20____.
2. **Term.** The Owner agrees to engage the Company to provide the professional service needed to maintain its 1,600,000 gallon water storage tank located at 920 North West Road, Lombard, Illinois 60148 (hereinafter “tank”). This SOW4 shall commence on the Effective Date and shall continue in full force and effect for one year (“Contract Year 1”). This SOW4 will automatically renew for successive one-year terms (“Contract Years”) unless terminated as set forth in Section 9 of the Master Services Agreement.
3. **Company’s Responsibilities.** This SOW4 outlines the Company’s responsibility for the care and maintenance of the above described water storage tank. Care and maintenance include the following:
 - A. The Company will annually inspect and service the tank, in accordance with Schedule A. The tank and tower will be thoroughly inspected to ensure that the structure is in a sound, watertight condition.
 - B. Biennially, beginning with the first washout/inspection, the tank will be completely drained and cleaned to remove all mud, silt, and other accumulations that might be harmful to the tank or its contents. After cleaning is completed, the interior will be thoroughly inspected and disinfected prior to returning the tank to service; however, the Owner is responsible for draining and filling the tank and conducting any required testing of the water. A written report will be mailed to the Owner after each inspection. Upon request, the Company will provide digital copies of the inspection report to the Water Department Supervisor, or the main contact designed by the Owner on the account.
 - C. The Company shall furnish engineering and inspection services needed to maintain and repair the tank and tower during the term of this SOW4. The repairs include: steel parts, expansion joints, water level indicators, sway rod adjustments, and manhole covers/gaskets.
 - D. The Company will clean and repaint the interior and/or exterior of the tank at such time as complete repainting is needed. The need for interior painting is to be determined by the thickness of the existing liner and its protective condition. When interior repainting is needed, procedures as outlined in A.W.W.A.-D102 specifications for cleaning and coating of potable water tanks will be followed. Only material approved for use in potable water tanks will be used on any interior surface area. The need for exterior painting is to be determined by the appearance and protective condition of the existing paint. If it is determined that the repainting

and/or repairs are necessary such that the scope or schedule differs from what is outlined in Schedule A, then that work, to include labor and materials needed, shall be mutually agreed upon by both parties in advance of starting the work. The parties shall enter into a written amendment to provide payment terms for said work, which may be lump sum, upon completion, No work will proceed on the tank without providing advance notice and receiving consent from the Water Department. At the time the exterior requires repainting, the Company agrees to paint the tank with the same color paint and to select a coating system which best suits the site conditions, environment, and general location of the tank. When painting is needed, all products and procedures will be equal to, or exceed the requirements of the **State of Illinois**, the American Water Works Association, and the Society for Protective Coatings as to surface preparation and coating materials.

E. A lock will be installed on the roof hatch of the tank.

F. The Company will provide emergency services, when needed, to perform all repairs covered under this SOW4. Reasonable travel time must be allowed for the repair unit to reach the tank site.

G. The Company will furnish pressure relief valves, if requested by the Owner, so that the Owner can install the valves in its water system while the tank is being serviced.

H. The Company will furnish current certificates of insurance coverage to the Owner.

I. Mixing System Installation.

1. The Company shall install an active mixing system in the Tank.

2. The particular unit that will be installed in the Tank is a NSF Approved PAX 500 active mixing system along with its component parts.

J. In the event that the Owner will not release the tank for service or is the cause of unreasonable delay in the performance of any service herein, the Company reserves the right to renegotiate the annual fees, and the Owner agrees to renegotiate the annual fees in good faith. In addition, the Owner hereby agrees that the Company can replace a washout inspection with a visual inspection, ROV inspection, or UAV inspection without requiring modification of this Contract.

4. **Contract Price/Annual Fees.** The tank shall receive an **exterior renovation, interior wet-renovation, mixing system installation and repairs** prior to the end of Contract Year 4. The first three (3) annual fee shall be **\$2,500.00** per Contract Year. The annual fees for Contract Years 4, 5, and 6 shall be **\$265,003.00** per Contract Year. The annual fee for Contract Year 7 shall be **\$48,220.00**. See the attached **Schedule B** for the annual fees for Contract Years 8 through 15. In Contract Year 16 and each anniversary thereafter, the annual fee shall be adjusted to reflect the current cost of service. The adjustment of the annual fee shall be limited to a maximum of 5% annually. All applicable taxes are the responsibility of the Owner and are in addition to the stated costs and fees in this SOW4.

5. **Payment Terms.** The annual fee for Contract Year 1, plus all applicable taxes, shall be due and payable on the first day of the Contract Year. See Attached Schedule A for Specifications of the work to be performed; said Schedule A is incorporated herein by reference. Also, please see Schedule B, which is attached hereto and incorporated herein by reference and sets forth the annual fees for Contract Years

1 through 15 as well as the Schedule of Work. Each subsequent annual fee, plus all applicable taxes, shall be due and payable on the first day of each Contract Year, thereafter. Furthermore, if the Owner elects to terminate this SOW4 prior to remitting the first six (6) annual fees, then unpaid balance of the first six (6) annual fee shall be due and payable within thirty (30) days of the Company's receipt of the Owner's Notice to Terminate.

6. Structure of Tank. The Company is accepting this tank under program based upon its existing structure and components. ***Any modifications to the tank, including antenna installations, shall be approved by Utility Service Co., Inc., prior to installation and may warrant an increase in the annual fee.***

7. Environmental, Health, Safety, or Labor Requirements. The Owner hereby agrees that future mandated environmental, health, safety, or labor requirements as well as changes in site conditions at the tank site which cause an increase in the cost of tank maintenance will be just cause for modification of this SOW4. Said modification of this SOW4 will reasonably reflect the increased cost of the service with a newly negotiated annual fee. In the event that changes to the tank maintenance become necessary due to government mandates, the Owner and Company will discuss the scope of work and timeframe for performance in advance of implementing said changes. The modification of the fees will be determined by fair market value.

The work performed under this Contract is subject to prevailing wages, and the workers who are performing work under this Contract are to be paid no less than the prevailing hourly rate of wages as set by the appropriate authority. Any future work performed by workers under this Contract will be subject to the wage determination of the appropriate authority which is in effect when the work is performed. However, the Owner and the Company hereby agree that if the prevailing wage rates for any job or trade classification increases by more than 5% per annum from the effective date of this Contract to the date in which any future work is to be performed under this Contract, then the Company reserves the right to re-negotiate the annual fee(s) with the Owner. If the Company and the Owner cannot agree on re-negotiated annual fee(s), then: (1) the Company will not be obligated to perform the work and (2) the Company will not be obligated to return past annual fee(s) received by the Company.

8. Excluded Items. This SOW4 does NOT include the cost for and/or liability on the part of the Company for: (1) containment of the tank at any time during the term of the SOW4; (2) disposal of any hazardous waste materials; (3) resolution of operational problems or structural damage due to cold weather; (4) repair of structural damage due to antenna installations or other attachments for which the tank was not originally designed; (5) resolution of operational problems or repair of structural damage or site damage caused by physical conditions below the surface of the ground; (6) negligent acts of Owner's employees, agents or contractors; (7) damages, whether foreseen or unforeseen, caused by the Owner's use of pressure relief valves; (8) repairs to the foundation of the tank; (9) any latent defects of the tank or its components (i.e., corrosion from the underside of the floor plates or corrosion in areas not accessible to maintain); or (10) other conditions which are beyond the Owner's and Company's control, including, but not limited to: acts of God and acts of terrorism. Acts of terrorism include, but are not limited to, any damage to the tank or tank site which results from unauthorized entry of any kind to the tank site or tank. If at some point in the future any of these excluded items become necessary, or should impact the tank in a way that would require additional work to be needed, the Owner and Company will negotiate an amendment to this SOW4

that reflects the additional costs and time to provide the newly needed services, in a way that reflects fair market value.

9. Visual Inspection Disclaimer. This SOW4 is based upon a visual inspection of the Tank. The Owner and the Company hereby acknowledge and agree that a visual inspection is intended to assess the condition of the Tank for all patent defects. If latent defects are identified once the tank has been drained for repairs, the Owner agrees and acknowledges that the Company shall not be responsible to repair the latent defects unless the Owner and the Company renegotiate the annual fees. The definition of a "latent defect" shall be any defect of the Tank which is not easily discovered (e.g., corrosion of the floor plates, corrosion in areas not accessible to maintain, damage to the roof of the tank which is not clearly visible during the visual inspection, etc.).

The SOW4 is executed and effective as of the date last signed by the parties below.

OWNER

Village of Lombard

By: _____

Name: _____

Title: _____

Date: _____

COMPANY

Utility Service Co., Inc.

By: _____


Name: Jonathan Cato

Title: Senior VP, Advanced Solutions LOB

Date: September 16, 2020

SCHEDULE A

**VILLAGE OF LOMBARD
SCHEDULE OF WORK TO BE ACCOMPLISHED UNDER THE “FULL SERVICE
MAINTENANCE PROGRAM”**

YEAR 1 (2021)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 2 (2022)

Inspection Service

1. ROV inspection.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 3 (2023)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 4 (2024)

Exterior Coatings

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3, SP7 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full intermediate coat of a Tnemec compatible Series coating shall be applied to complete exterior surfaces at manufacturer's recommended thickness (100%).
5. One (1) full finish coat of a Tnemec Series 700 Hydroflon coating shall be applied to complete exterior surfaces at manufacturer's recommended thickness (100%).
6. Use same logo/layout and color scheme
7. Paint all concrete foundations

Interior-Wet Specifications

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 "Near White" finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - *Primer Coat:* One [1] complete coat of Tnemec Series Zinc 94 H2O or equivalent shall be applied at the manufacturer's recommended thickness.
 - *Finish Coat:* One [1] complete finish coat of Tnemec Series N140 Epoxy or equivalent shall be applied at the manufacturer's recommended thickness.
 - a. *Contrasting Color:* Each coat of epoxy paint shall be of contrasting color.
 - b. *Stripe Coat:* One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

Repairs:

1. Install pwm 500 mixer, with preferred installation conduit and wire to the base flange. (electric to the tank by the village.)
2. Remove fill-pipe
3. Replace access safety climb
4. Install locking roof hatch
5. Resurface foundation
6. Repair small areas of grout failure
7. Remove old ladder stand offs on exterior shell (near logo) - grind shell smooth in those locations.

YEAR 5 (2025)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program.

YEAR 6 (2026)

Inspection Service

1. Washout, disinfect, and inspect the tank.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 7 (2027)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program.

YEAR 8 (2028)

Inspection Service

1. Washout, disinfect, and inspect the tank.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 9 (2029)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program.

YEAR 10 (2030)

Inspection Service

1. Washout, disinfect, and inspect the tank.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 11 (2031)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program.

YEAR 12 (2032)

Inspection Service

1. Washout, disinfect, and inspect the tank.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 13 (2033)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program.

YEAR 14 (2034)

Inspection Service

1. Washout, disinfect, and inspect the tank.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 15 (2035)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program.

YEAR 16 (2036)

Inspection Service

1. Washout, disinfect, and inspect the tank.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure Tank complies with all federal and state regulations.
5. Maintain as per the maintenance program

YEAR 17 (2037)

Inspection Service

1. Engineering inspection and preventive maintenance.
2. Any needed repairs/touchup.
3. Provide emergency repair service.
4. Ensure tank complies with all federal and state regulations.
5. Maintain as per the maintenance program.

YEAR 18 (2038)

Full Coatings Renovations

Exterior Coatings

1. All exterior surfaces must be pressure washed with a minimum of 4,000 P.S.I. washer to remove any surface contamination.
2. All rusted areas must be Hand/Power tool cleaned per SSPC-SP2, SP3 cleaning methods.
3. All rusted or bare areas must be spot primed with a rust inhibitive metal primer.
4. One (1) full finish coat of a Tnemec Series 700 Hydroflon coating shall be applied to complete exterior surfaces at manufacturer's recommended thickness (100%).
6. Use same logo/layout and color scheme
7. Paint all concrete foundations

Interior-Wet Specifications

1. The complete interior (100%) shall be abrasive blast cleaned to SSPC-SP No. 10 "Near White" finish.
2. After abrasive cleaning, all surfaces shall be cleaned of any dust residue or foreign debris.
3. A high build epoxy liner manufactured by the Tnemec Company shall be applied as follows:
 - *Primer Coat*: One [1] complete coat of Tnemec Series Zinc 94 H2O or equivalent shall be applied at the manufacturer's recommended thickness.
 - *Finish Coat*: One [1] complete finish coat of Tnemec Series N140 Epoxy or equivalent shall be applied at the manufacturer's recommended thickness.
 - a. *Contrasting Color*: Each coat of epoxy paint shall be of contrasting color.
 - b. *Stripe Coat*: One additional coat of epoxy shall be applied by brush and roller to all weld seams.
4. After the liner has properly cured, the interior surfaces shall be disinfected per A.W.W.A. Spray Method No. 2 (200 PPM).
5. The spent abrasive media shall be tested per TCLP-(8) Heavy Metals as mandated by the State.
6. Once the tests results confirm the non-hazardous status of the wastes, the spent abrasive shall be disposed of properly.
7. The Tank shall be sealed and made ready for service.

"SCHEDULE B"

Year	1	2	3	4	5
North Avenue Tank	\$2,500	\$2,500	\$2,500	\$265,003	\$265,003

Year	6	7	8	9	10
North Avenue Tank	\$265,003	\$48,220	\$49,927	\$51,694	\$53,524

Year	11	12	13	14	15
North Avenue Tank	\$55,419	\$57,381	\$59,412	\$61,515	\$63,693