

**City of Menahga
Action Memorandum 18-012**

Subject: Authorize the Contract with KLM Engineering, Inc. for Inspections of the Water Tower and Clear Well

Agenda of: March 12, 2018

Council action: Authorized _____

Summary statement: Action Memorandum 18-012 authorizes a contract with KLM Engineering.

KLM Engineering will conduct an inspection of the water tower and clear well. The purpose of the inspections is to determine the structural quality of each well. KLM will generate a report and will attend a future council meeting to present their findings. This report and findings will provide the council with the information regarding the timeframe to replace or paint the tower.

Public Works Director Thelin obtained three quotes. KLM Engineering was the only firm who could complete a full structural inspection of the tower and well.

Fiscal information:

Total amount of funds listed in this legislation: \$ 5,000

This legislation (✓):

Has no fiscal impact Creates a positive impact in the amount of: \$ _____
 Creates a negative impact in the amount of: \$ 5,000

Funds are (✓):

Budgeted Line items(s): 601-49400-312
 Not budgeted Affected line item(s): _____

Attachment:

- KLM Engineering proposal



February 22, 2018

By Email Only

Frank Thelin
Utilities Superintendent
City of Menahga
115 2nd Street NR 56469
Menahga, Minnesota 56742

RE: Proposal for (2) ROV Inspections of the of the 75,000-Gallon Elevated Water Tower and 130,000-Gallon Clear Well for the City of Menahga, Minnesota.

Dear Mr. Thelin:

KLM is pleased to submit this proposal for (2) ROV Inspections of the 75,000-gallon elevated water tower and the 130,000-gallon clear well water storage tank located in the City of Menahga, Minnesota. KLM proposes to perform an inspection of the existing conditions of this water tanks in conformance with AWWA Manual M42 Appendix C Inspecting and Repairing Steel Water Tanks, Elevated Tanks for Water Storage and the American Concrete Industry ACI 201 Guide for making a Condition Survey of Concrete tanks.

By choosing KLM Engineering, Inc., the City of Menahga, Minnesota is investing in the knowledge and expertise of a consultant who can perform an accurate and unbiased inspection of your water tanks. Our inspection will clearly identify all the maintenance requirements of the tanks and will define the next time it needs maintenance.

The experience of KLM's staff in water tank inspections has been enhanced by our training as National Association of Corrosion Engineers (NACE) Coatings Inspectors and American Welding Society (AWS) Certified Welding Inspectors. This training, plus the years of experience in abrasive blasting (surface preparation) painting, rigging, welding, and inspecting has given this company a competitive edge for performing this type of work in a safe and professional manner.

Documentation

KLM will provide to the Owner a Full Report for the 75,000-gallon water tower and a summary report for the 130,000-Gallon clear well water storage tank, the reports will provide the following benefits:

Full Inspection Report (water tower)

1. Clearly stating the actual condition of the coatings and structural integrity.
2. Identify the amount of sediment and estimate the next time it needs cleaning.
3. Provide a schedule for performing recommended maintenance work.
4. Provide a Cost Estimate for all recommended repair work.
5. Color photographs and DVD substantiate details of the report.
6. Copies of the report justify maintenance recommendations to decision-makers.
7. The inspection report can be included in the specification document to provide accurate information on existing conditions for bidders.
8. Recommendation of future inspections.
9. KLM will also provide drawings in the report for future maintenance.

Summary Inspection Report (Clear Well)

1. Clearly stating the actual condition of the coatings and structural integrity.
2. Identify the amount of sediment and estimate the next time it needs cleaning.
3. Provide a schedule for performing recommended maintenance work.
4. Color photographs substantiate details of the report.
5. Copies of the report justify maintenance recommendations to decision-makers.
6. Recommendation of future inspections.

KLM will email you a copy of the report and will meet with the city to discuss our observations in the report at no extra charge.

After the city of Menahga receives the reports KLM will schedule a time with the city to review the report and discuss KLM observations.

KLM Work Plan

ROV Inspection

KLM plans to utilize a two-man crew and a Remote Operated Vehicle (ROV) to perform the inspection. This inspection method can be performed in one day.

KLM will provide NACE Coatings Inspectors, whom are properly trained and qualified to perform this type of inspection. To perform an ROV inspection, the Owner would be required to have the water at or near the high-water level (HWL) at the start of the inspection. KLM inspectors will insert a disinfected ROV into the tank interior, for the interior inspection of the roof, roof structure, and all appurtenances such as vents, manways, and ladders. Photographs will be taken with an underwater camera, which will show the coating deficiencies. The camera will be disinfected in accordance with AWWA. The inlet pipe or wet riser is excluded from the inspection, unless otherwise written into this agreement.

Exterior and Interior Inspection

The exterior inspection is critical for evaluating the coating conditions to determine whether the coating is a candidate for over coating or complete reconditioning. KLM inspectors will also check for structural deficiencies and OSHA compliance.

KLM will provide a NACE Coatings Inspector that is properly trained and qualified to perform this type of inspection. The exterior will be inspected from all areas accessible without rigging unless otherwise written into this agreement. Coating conditions of both the interior and exterior will be examined using several different testing equipment.

Inspection Fees

ROV Inspection

(Option 1) 75,000-Gallon Elevated Water Tower:

KLM will perform the inspection for a fee of: \$2,600.00

(Option 2) 130,000-Gallon Clear Well:

KLM will perform the inspection for a fee of: \$2,600.00

(Option 3)

If KLM can perform both ROV inspections on both water storage reservoirs under one mobilization KLM will perform the services for \$5,000.00.

Fees are subject to change if proposed work exceeds 12 months from this bid proposal.

Terms & Conditions

KLM has attached our standard Terms & Conditions. The Terms & Conditions are part of this agreement between the City of Menahga, Minnesota and KLM Engineering, Inc. unless otherwise agreed to in writing by both parties.

Owner's Responsibilities

The Owner’s personnel shall be responsible for:

- Providing copies of background information on the tanks, including maintenance records, construction drawings, previous inspection reports, and previous painting or reconditioning specifications. It is especially helpful if this information is collected prior to KLM’s personnel beginning its inspection.
- Provide keys for locks and access to the water tanks.

Additional Information

Additional information can be found at KLM’s website at: www.klmengineering.com

Agreement

This proposal is valid through the year 2018. If the City of Menahga, Minnesota finds this proposal acceptable, please sign and return by mail, fax, or email. When KLM receives the signed proposal, we will call the Owner to coordinate an inspection time. When the City of Menahga, Minnesota receives the inspection report, KLM will bill the Owner according to this agreement.

This agreement, between the City of Menahga, Minnesota and KLM Engineering, Inc. of Woodbury, Minnesota is accepted by:

_____		City of Menahga, Minnesota
(Name)	(Title)	

	Option 1	Option 2
(Date)	(Please select your agreed to service option)	
_____		KLM Engineering, Inc. Woodbury, Minnesota
(Name)	Sales and Marketing Assoc.	(Title)

February 22, 2018		
(Date)		

We look forward to working with you.

KLM ENGINEERING, INC.
 Michael Novitzki
 Sales and Marketing Associate
 Mobile: 651-440-5058
 Email: mnovitzki@klmengineering.com

Enclosed: KLM’s Terms and Conditions