State of Ohio

Public Works Commission

Application for Financial Assistance

IMPORTANT: Please consult "Instructions for Financial Assistance for Capital Infrastructure Projects" for guidance in completion of this form.

Applicant

Applicant: Village of Elmore Subdivision Code: 123-25144

District Number: 5 County: Ottawa Date: 09/06/2020

Contact: Dave Hower, Village Administrator Phone: (419) 862-3362
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: dhower@village.elmore.oh.us FAX:

Project

Project Name: Elevated Tank Rehabilitation Zip Code: 43416

Subdivision Type
(Select one)

- ☐ 1. County
- ☐ 2. City
- ☐ 3. Township
- ☒ 4. Village
- ☐ 5. Water (6119 Water District)

Project Type
(Select single largest component by $)

- ☐ 1. Road
- ☐ 2. Bridge/Culvert
- ☒ 3. Water Supply
- ☐ 4. Wastewater
- ☐ 5. Solid Waste
- ☐ 6. Stormwater

Funding Request Summary
(Automatically populates from page 2)

Total Project Cost:	250,025 .00
1. Grant:	125,012 .00
2. Loan:	125,013 .00
3. Loan Assistance/ Credit Enhancement:	0 .00
Funding Requested:	250,025 .00

District Recommendation (To be completed by the District Committee)

Funding Type Requested
(Select one)

- ☐ State Capital Improvement Program
- ☐ Local Transportation Improvement Program
- ☐ Revolving Loan Program
- ☐ Small Government Program

District SG Priority: _____

SCIP Loan - Rate: ____ % Term: ____ Yrs Amount: _____ .00

RLP Loan - Rate: ____ % Term: ____ Yrs Amount: _____ .00

Grant: Amount: _____ .00

LTIP: Amount: _____ .00

Loan Assistance / Credit Enhancement: Amount: _____ .00

For OPWC Use Only

STATUS

Project Number: _____

Release Date: _____

OPWC Approval: _____

Grant Amount: _____ .00

Loan Amount: _____ .00

Total Funding: _____ .00

Local Participation: _____ %

OPWC Participation: _____ %

Loan Type: ☐ SCIP ☐ RLP

Date Construction End: _____

Date Maturity: _____

Rate: _____ %

Term: _____ Yrs

1.0 Project Financial Information (All Costs Rounded to Nearest Dollar)

1.1 Project Estimated Costs

Engineering Services				
Preliminary Design:	750 .00			
Final Design:	21,150 .00			
Construction Administration:	5,750 .00			
Total Engineering Services:		a.)	27,650 .00	14 %
Right of Way:		b.)	.00	
Construction:		c.)	201,250 .00	
Materials Purchased Directly:		d.)	.00	
Permits, Advertising, Legal:		e.)	1,000 .00	
Construction Contingencies:		f.)	20,125 .00	10 %
Total Estimated Costs:		g.)	250,025 .00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.)	.00	
Local Revenues:	b.)	.00	
Other Public Revenues:	c.)	.00	
ODOT / FHWA PID:	d.)	.00	
USDA Rural Development:	e.)	.00	
OEPA / OWDA:	f.)	.00	
CDBG: ☐ County Entitlement or Community Dev. "Formula" ☐ Department of Development	g.)	.00	
Other:	h.)	.00	
Subtotal Local Resources:	i.)	0 .00	0 %

OPWC Funds (Check all requested and enter Amount)

Grant:	50 % of OPWC Funds	j.)	125,012 .00	
Loan:	50 % of OPWC Funds	k.)	125,013 .00	
Loan Assistance / Credit Enhancement:		l.)	0 .00	
Subtotal OPWC Funds:		m.)	250,025 .00	100 %
Total Financial Resources:		n.)	250,025 .00	100 %

1.3 Availability of Local Funds

Attach a statement signed by the Chief Financial Officer listed in section 5.2 certifying all local resources required for the project will be available on or before the earliest date listed in the Project Schedule section. The OPWC Agreement will not be released until the local resources are certified. Failure to meet local share may result in termination of the project. Applicant needs to provide written confirmation for funds coming from other funding sources.

2.0 Repair / Replacement or New / Expansion

2.1 Total Portion of Project Repair / Replacement:	250,025 .00	100 %	A Farmland Preservation letter is required for any impact to farmland
2.2 Total Portion of Project New / Expansion:	0 .00	0 %	
2.3 Total Project:	250,025 .00	100 %	

3.0 Project Schedule

3.1 Engineering / Design / Right of Way	Begin Date: 06/10/2020	End Date: 09/10/2020
3.2 Bid Advertisement and Award	Begin Date: 05/01/2021	End Date: 07/30/2021
3.3 Construction	Begin Date: 08/01/2021	End Date: 10/01/2021

Construction cannot begin prior to release of executed Project Agreement and issuance of Notice to Proceed.

Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by project official of record and approved by the Commission once the Project Agreement has been executed.

4.0 Project Information

If the project is multi-jurisdictional, information must be consolidated in this section.

4.1 Useful Life / Cost Estimate / Age of Infrastructure

Project Useful Life: 20 Years Age: 2001 (Year built or year of last major improvement)

Attach Registered Professional Engineer's statement, with seal or stamp and signature confirming the project's useful life indicated above and detailed cost estimate.

4.2 User Information

Road or Bridge: Current ADT _____ Year _____ Projected ADT _____ Year _____

Water / Wastewater: Based on monthly usage of 4,500 gallons per household; attach current ordinances.

Residential Water Rate Current $ 25.73 Proposed $ 26.49

Number of households served: 689

Residential Wastewater Rate Current $ 28.97 Proposed $ 29.84

Number of households served: 689

Stormwater: Number of households served: _____

4.3 Project Description

A: SPECIFIC LOCATION (Supply a written location description that includes the project termini; a map does not replace this requirement.) 500 character limit.

The Village's water storage tank is located along the northerly extension of Ames Street between Lincoln Street and Augusta Street, in the northeasterly portion of the Village.

B: PROJECT COMPONENTS (Describe the specific work to be completed; the engineer's estimate does not replace this requirement) 1,000 character limit.

The Village is proposing to address steel corrosion and coating wear issues with spot welding repair, blast cleaning, and interior recoating of the tank bowl along with power washing, power tool cleaning, and full recoating of the tank exterior and supporting structural members. The existing tank was constructed in 2001 and the exterior of the tank has its original coating system. The interior tank bowl underwent maintenance painting in 2012 but it does appear that any pit welding repair work was completed at that time. The Village has determined that in order to preserve and prolong tank life it would be most beneficial to address the current corrosion and coating issues as soon as possible. There are no known structural or process deficiencies with this tank but the tank is need of repair.

C: PHYSICAL DIMENSIONS (Describe the physical dimensions of the existing facility and the proposed facility. Include length, width, quantity and sizes, mgd capacity, etc in detail.) 500 character limit.

1 LS Repair Interior Ladder
1 LS Repair Pit Welding
1 LS Abrasive Blast Clean and Recoat Interior
1 LS Add Supports for future Cathodic Protection
1 LS Power Wash Spot Tool Clean and Recoat Exterior
1 LS Clean Overflow Pipe Screen
1 LS Preconstruction Surface Video
1 LS Bond and Insurance
1 LS Mobilization

5.0 Project Officials

Changes in Project Officials must be submitted in writing from an officer of record.

5.1 Chief Executive Officer

(Person authorized in legislation to sign project agreements)

Name: Dave Hower

Title: Village Administrator

Address: 344 Rice Street

City: Elmore State: OH Zip: 43416

Phone: (419) 862-3362

FAX:

E-Mail: dhower@village.elmore.oh.us

5.2 Chief Financial Officer

(Can not also serve as CEO)

Name: Sheri Hayes

Title: Fiscal Officer

Address: 344 Rice Street

City: Elmore State: OH Zip: 43416

Phone: (419) 862-3362

FAX:

E-Mail: villageofelmore@amplex.net

5.3 Project Manager

Name: Dave Hower

Title: Village Administrator

Address: 344 Rice Street

City: Elmore State: OH Zip: 43416

Phone: (419) 862-3362

FAX:

E-Mail: dhower@village.elmore.oh.us

6.0 Attachments / Completeness review

Confirm in the boxes below that each item listed is attached (Check each box)

- [x] A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.

- [x] A certification signed by the applicant's chief financial officer stating the amount of all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.

- [x] A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's seal or stamp and signature.

- [ ] A cooperative agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant.

- [ ] Farmland Preservation Review - The Governor's Executive Order 98-IIV, "Ohio Farmland Protection Policy" requires the Commission to establish guidelines on how it will take protection of productive agricultural and grazing land into account in its funding decision making process. Please include a Farm Land Preservation statement for projects that have an impact on farmland.

- [ ] Capital Improvements Report. CIR Required by O.R.C. Chapter 164.06 on standard form.

- [x] Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements which may be required by your local District Public Works Integrating Committee.

7.0 Applicant Certification

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission as identified in the attached legislation; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement for this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding from the project.

Dave Hower, Village Administrator

Certifying Representative (Printed form, Type or Print Name and Title)

9/8/2020

Original Signature / Date Signed

R9-20

A RESOLUTION AUTHORIZING THE VILLAGE ADMINISTRATOR TO PREPARE AND SUBMIT APPLICATIONS TO PARTICIPATE IN THE OHIO PUBLIC WORKS COMMISSION STATE CAPITAL IMPROVEMENT AND / OR LOCAL TRANSPORTATION IMPROVEMENT PROGRAM(S) AND TO EXECUTE CONTRACTS AS REQUIRED.

WHEREAS, the State Capital Improvement Program and the Local Transportation Improvement Program both provide financial assistance to political subdivisions for capital improvements to public infrastructure, and

WHEREAS, the Village of Elmore is planning to make capital improvements to the Elevated Tank Rehabilitation project, as well as the West Portage River South Road Sanitary Sewer Improvements project, and

WHEREAS, the infrastructure improvements herein above described are considered to be a priority needs for the community and are qualified projects under the OPWC programs,

NOW THEREFORE, BE IT RESOLVED BY THE VILLAGE OF ELMORE:

Section 1: The Village Administrator is hereby authorized to apply for funds as described above from the Ohio Public Works Commission's State Capital Improvement Program and its Local Transportation Improvement Program.

Section 2: The Village Administrator is further authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health, and safety of the citizens of the Village of Elmore, Ottawa County, Ohio and shall take effect immediately after its passage and approval by the Mayor.

Passed: 9/9/2020

Vote to Suspend the Rules	Yeas 5	Nays 0
Vote on Emergency Measure	Yeas 5	Nays 0
To Pass Measure	Yeas 5	Nays 0

ATTEST:

Sheri Hayes
Fiscal Officer

President of Council

Richard P. Gaar
Mayor

I, Sheri Hayes, Fiscal Officer of Council for the Village of Elmore, hereby certify that the foregoing is a true and accurate copy of R 9 -20 duly passed by the Council for the Village of Elmore at our Special Council Meeting on September 9th, 2020.

Sheri Hayes

Sheri Hayes, Fiscal Officer

ENGINEER'S OPINION OF PROBABLE PROJECT COST
ELEVATED TANK REHABILITATION
ELMORE, OHIO
PDG JOB NO. 131100-00080
September 4, 2020

ITEM	QTY	UNIT	PRICE	AMOUNT
Preconstruction Surface Video	1	LS	$ 750.00	$ 750.00
Bond & Insurance	1	LS	$ 7,500.00	$ 7,500.00
Mobilization	1	LS	$ 5,000.00	$ 5,000.00
Interior				
Repair Interior Ladder	1	LS	$ 1,000.00	$ 1,000.00
Repair Pit welding	1	LS	$ 1,000.00	$ 1,000.00
Abraisive Blast Clean and Recoat Interior	1	LS	$ 86,000.00	$ 86,000.00
Add supports for future Cathodic Protection	1	LS	$ 3,500.00	$ 3,500.00
Exterior				
Power wash, Spot tool clean and recoat exterior	1	LS	$ 96,000.00	$ 96,000.00
Clean Overflow Pipe Screen	1	LS	$ 500.00	$ 500.00
CONSTRUCTION SUBTOTAL				**$ 201,250.00**
Contingencies				$ 20,125.00
CONSTRUCTION TOTAL				**$ 221,375.00**
Preliminary Design				$ 750.00
Final Engineering				$ 4,500.00
Subconsultant (assist with Design and specialty inspection)				$ 15,150.00
Bidding				$ 1,500.00
Construction Admin/Engrg				$ 1,750.00
Permits, Advertising, Legal and Special Inspection				$ 5,000.00
TOTAL ESTIMATED COST				**$ 250,025.00**

Note: This estimate does not include interest during construction, finance fees, bond counsel, assessment fees, bond insurance, or other miscellaneous expenses which can add up to 5% to 10% of the total const once actual financing sources are finalized.

The estimated useful life of the Elevated Tank Rehabilitation is 20 years

Jack Jones 9/8/20

Jack A. Jones, P.E., E-41523

STATE OF OHIO
JACK A. JONES
E-41523
REGISTERED PROFESSIONAL ENGINEER

VILLAGE OF ELMORE
ELEVATED TANK REHABILITATION
PROJECT NARRATIVE

The Village of Elmore in Ottawa County is applying for OPWC assistance for the rehabilitation of its 200,000 gallon elevated water storage tank serving the community.

With the size and age of some of the Village's Water Distribution System facilities, there are continuous projects undertaken and planned by the Village to address water line replacement, eliminating dead end waterlines to improve water quality and fire protection, and improvements to water storage facilities.

The Village's water storage tank is located along the northerly extension of Ames Street between Lincoln Street and Augusta Street, in the northeasterly portion of the Village. The Village is proposing to address steel corrosion and coating wear issues with spot welding repair, blast cleaning, and interior recoating of the tank bowl along with power washing, power tool cleaning, and full recoating of the tank exterior and supporting structural members. The existing tank was constructed in 2001 and the exterior of the tank has its original coating system. The interior tank bowl underwent maintenance painting in 2012 but it does appear that any pit welding repair work was completed at that time. The Village has determined that in order to preserve and prolong tank life it would be most beneficial to address the current corrosion and coating issues as soon as possible. There are no known structural or process deficiencies with this tank but the tank is need of repair.

A full inspection report of the tank was completed in December 2019 and is included herewith for reference and further identifies/details needed tank improvements.

Elevated storage tanks play a very critical role in the community's water distribution system, providing storage for the system in the event of water main failures as well as to provide water storage for the protection of residents and businesses in the event of a fire. Elevated tanks represent a significant financial investment by the community and as such should be protected to the greatest extent possible.

Failing or failed coating systems on tanks pose a significant risk and liability to the community due to the accelerated deterioration which can lead to shortened life spans of the infrastructure. Elevated tanks typically have a design life of 100 years and for a community to realize this service life a routine improvement program must be implemented and strictly followed. Over-coating of the paint systems must be performed multiple times throughout the design life with this tank now being due for interior repair and new interior and exterior coating system improvements.

The Village supplies potable water to 689 water customers/1400 residents through approximately 10.0 miles of water distribution lines. The Village also owns and operates its own municipal water wells and water treatment plant supplying the distribution system and elevated storage tanks.

The current water rate is $25.73 per month based on monthly usage of 4,500 monthly gallons per household. The current sewer rate is $28.97 per month based on 4,500 monthly gallons per household. Thus, the 689 residential customers in Elmore pay $54.70 in combined water and sanitary utility rates per month. Utility rate ordinances are attached.

Without this funding assistance this project would place excessive financial hardship on the residents of the Village. Because this project is so vital to the health and safety of the Village residents, the Village is seeking 50% in OPWC grant and 50% OPWC loan funding.

The past record of the Village indicates their capability to administer and fiscally manage this project. The Village has authorized design engineering along with development of bidding documents for this project, both of which are complete pending identification and securing of final funding sources. Advertisement for bids for construction is anticipated to occur In May or June, 2021. Construction could be expected to be complete by November 15, 2021. It is the Village's hope that this request for funding be reviewed favorably.

THE VILLAGE OF ELMORE

villageofelmore@amplex.net
www.villageofelmore.com
Fax: 419-862-2789

344 Rice Street, P.O. Box 3
Elmore, Ohio 43416
Phone: 419-862-3362

"CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOAN REPAYMENT LETTER"

September 6, 2020

I, Fiscal Officer of the Village of Elmore, hereby certify that the Village of Elmore will have the amount of $125,013.00 in the Water Fund and that this amount will be used to repay the Ohio Public Works Commission SCIP or RLP loan requested for the Elevated Tank Rehabilitation over a 20 year term.

Sheri Hayes

Sheri Hayes
Fiscal Officer

ELECTRIC RATES
Effective 11/2005

Residential
Customer Charge - $4.50 monthly
Energy Charge – 0.0758 per KWH
ER rate code

3 phase small (under 30KW month)
Customer Charge - $7.50 monthly
Energy Charge – 0.0758 per KWH
ES rate code

1 phase large (over 30KW month)
Customer Charge - $4.50 monthly
Energy Charge – 0.0758 per KWH
Demand Charge - $3.84 per KW
EC rate code

3 phase large (over 30KW month)
Customer Charge - $15.00 monthly
Energy Charge – 0.0758 min $50.00
Demand Charge - $3.84 per KW
EL rate code

Additional Electric Meters
Energy Charge – 0.0758 per KWH
Demand Charge - $3.84 per KW in Excess of 30 KW
EX rate code

Residential Demand Meters (winter)
All KWH in excess of 125 KWH per KW of monthly billing demand .05

Yard Lights - $5.00 monthly

Ohio KWH Tax (5/2001)
0-2000 KWH .00465 per KWH
2001-15000 KWH .00419 per KWH
over 15000 KWH .00363 per KWH

WATER RATES
Effective 9/2011

1st 200 cubic feet .0476 ($9.52 min)
next 600 cf .0385 per cf
over 800 cf .0323 per cf

Add 50% outside corporation
1st 200 cubic feet .0714 ($14.28 min)
next 600 cf .0578
over 800 cf .0485

SEWER RATES
Effective 9/2011

1st 200 cubic feet .0611 ($12.21 min)
next 600 cf .0446 per cf
next 400 cf .0416 per cf
over 1200 cf .0385 per cf

Add 50% for outside corporation
1st 200 cubic feet $18.32 min
next 600 cf .0669 per cf
next 400 cf .0624 per cf
over 1200 cf .0578 per cf

STORM UTILITY
Effective 1/1995

$4.00 per residence per month

All bills must be paid on or before the 5th of the month.

Utility bills may be paid at BOPA office during business hours or night drop, Huntington Bank, or by mail.

VILLAGE OF ELMORE

ORDINANCE NO. 2-20

AN ORDINANCE TO ADJUST WATER AND SEWER RATES TO MEET INCREASING EXPENSES, TO PAY FOR NECESSARY FUTURE CAPITAL IMPROVEMENTS, AND TO PAY TO KEEP VILLAGE WATER SYSTEMS IN COMPLIANCE WITH THE LATEST GOVERNMENTAL REGULATIONS; AND DECLARING AN EMERGENCY.

WHEREAS, the costs of providing potable water and wastewater treatment is increasing, and revenues have not increased to meet those costs; and

WHEREAS, capital improvements will be necessary to replace current infrastructure, to meet new regulatory demands, and to keep abreast of Village needs,

NOW, THEREFORE, be it ordained by the Council of the Village of Elmore, Ohio:

SECTION 1. The cost charged for water (WA) and sewer (SW) is increased by three percent (3%) per year for three (3) years. Each increase shall be calculated by using the previous year's cost as the base rate.

SECTION 2. This Ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public health and safety to immediately provide more funds to properly treat Village drinking water and its wastewater; therefore, this Ordinance shall take effect immediately.

SECTION 3. That it is found and determined that all formal actions of this Council concerning and relating to the adoption of this Ordinance were adopted in an open meeting of this Council, and that all deliberations of this Council and of any of its committees that resulted in such formal action, were in meetings open to the public, in

compliance with all legal requirements including Section 121.22 of the Ohio Revised Code.

PASSED:

Vote to suspend the rules	**Yeas** 6	**Nays** 0
Vote on emergency measure	**Yeas** 6	**Nays** 0
To pass	**Yeas** 6	**Nays** 0

Date: 2/24/20

PRESIDENT OF COUNCIL

Approved: **MAYOR**

Attest: **CLERK**

Prepared by Mark E. Mulligan, Solicitor for the Village of Elmore

FISCAL OFFICER'S CERTIFICATE AS TO PUBLICATION

This is to certify that publication of the foregoing Ordinance was duly made as provided in Ordinance No. 14-09 adopted June 8, 2009, by the following method:

By posting certified copies thereof in the five (5) public places specified in Codified Ordinance No. 14-09, said posting having been accomplished on the following date: 2-25-20.

Shari Hayes
Fiscal Officer

FISCAL OFFICER'S CERTIFICATE AS TO AUTHENTICITY

I hereby certify that the foregoing Ordinance is a true copy of the aforesaid Ordinance No. 2-20, together with a true and accurate record of the adoption by the Village of Elmore, Ohio.

Shari Hayes
Fiscal Officer

P06

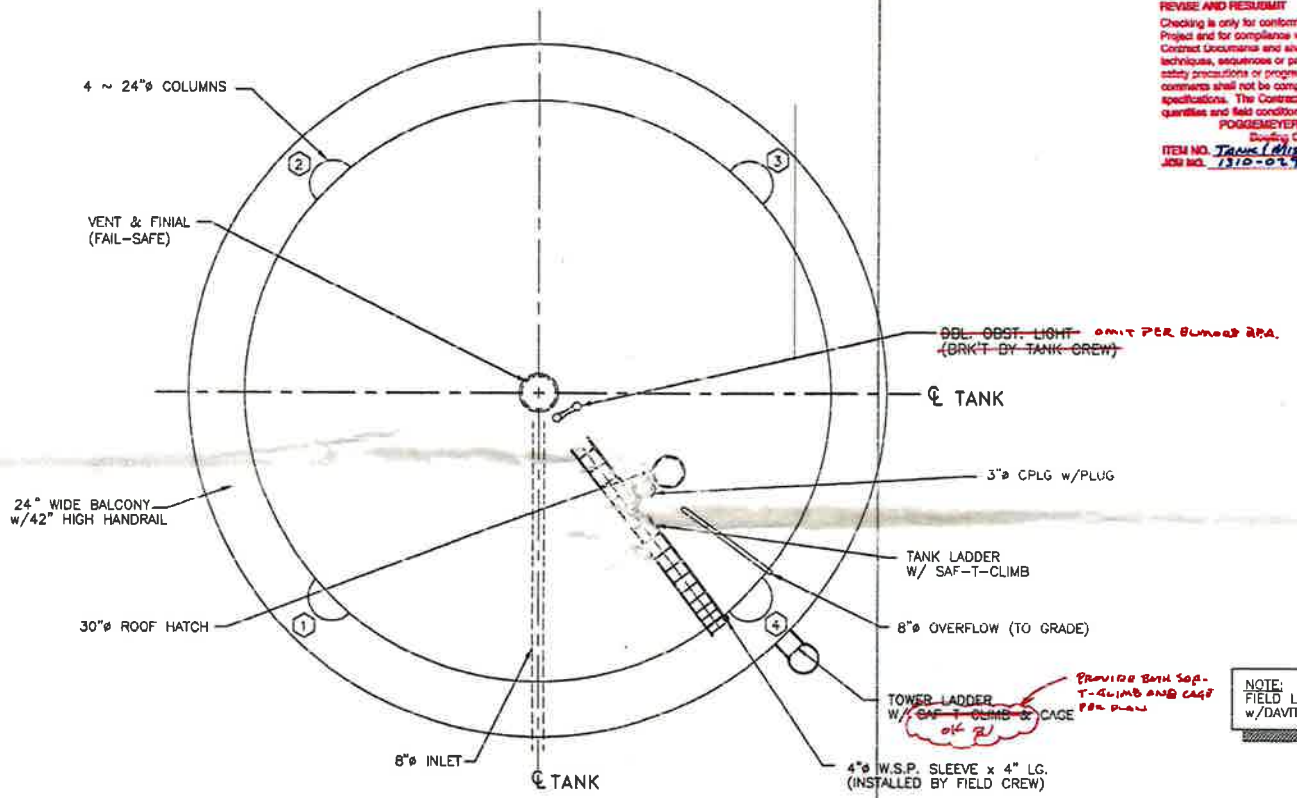
VILLAGE OF ELMORE, OH

NO EXCEPTIONS NOTED [ ]
EXCEPTIONS NOTED [✓]
REVISE AND RESUBMIT [ ]

Checking is only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents and shall not extend to means, methods, techniques, sequences or procedures of construction or to safety precautions or programs incident thereto. Marking or comments shall not be compliance with the plans and specifications. The Contractor shall verify all dimensions, quantities and field conditions.

POGGEMEYER DESIGN GROUP, INC.
Bowling Green, Ohio 43402

ITEM NO. Tanks / Misc BY D. A
JOB NO. 1310-029 DATE 6/12/01



NOTE:
FIELD LOCATE SHELL MANWAY w/DAVIT & INSIDE SHELL LADDER

Proof of Age

STATE OF OHIO
BRUCE R. FREELAND
E-59745
REGISTERED PROFESSIONAL ENGINEER
5/11/01

TANK APPURTENANCES HAVE BEEN LOCATED PER ENGINEERS PLANS, SPECIFICATIONS, AND/OR REQUEST. ANY FIELD CHANGES MUST BE COORDINATED WITH THE TANK FOREMAN PRIOR TO INSTALLATION. ANY DELAY OR EXTRA WORK DUE TO SUCH IS A BASIS FOR A CHANGE ORDER.

SIGNATURE: _____ FOREMAN: _____

TITLE: _____ DATE: _____

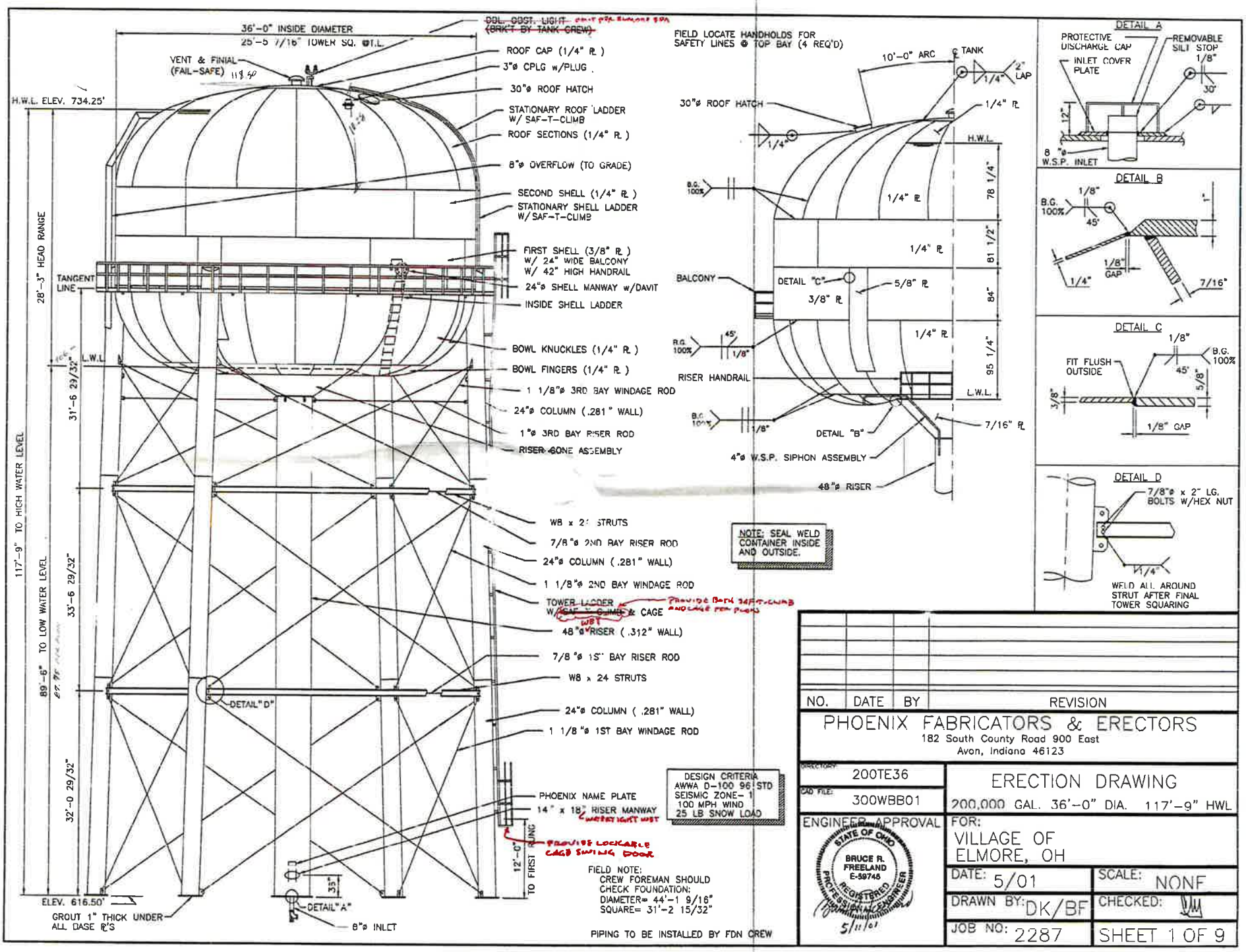
ORIENTATION VIEW
200,000 GAL. CAP.
117'-9" TO H.W.L.

N

ELMORE, OH JOB NO: 2287 5/01 DK/BF

PHOENIX FABRICATORS & ERECTORS
182 South County Road 900 East
Avon, Indiana 46123

dpk 05/10/2001 08:29:06



dpk 05/10/2001 08:28:30

POGGEMEYER
DESIGN GROUP

June 4, 2020

Proof of Design

Mr. Dave Hower
Village Administrator
Village of Elmore
344 Rice Street
Elmore, Ohio 43416

Re: 200,000 Gallon Elevated Tank Rehabilitation
Elmore, Ohio
PN: 131100-00080

Dear Mr. Hower:

We are providing this letter contract regarding our firm's services for the above-referenced project. It is our understanding that the Village desires to move forward with the completion of engineering design, and bid/contract document preparation for this project as soon as possible. The project includes both interior and exterior rehabilitation of the Village's 200,000 Gallon Multi-leg Elevated Water Storage Tank.

Our proposed services for this project will include:

- Review of available existing Elevated Tank design and as-built plans as provided by the Village.
- Review and implementation of tank rehabilitation improvements as recommended in the recent NTEC Maintenance Inspection Report provided by the Village.
- Meet with designated Village officials and water staff to review the project scope and discuss the potential tank coating options, tank maintenance items, and tank safety items to be addressed/included as well as other possible improvement items the Village may have.
- Prepare technical specifications and plans for the tank rehabilitation work to be performed and address needed items in the inspection report prepared for the Village by NTEC.
- Prepare nomination and/or application for Water Supply Revolving Loan Account funding assistance through the Ohio Environmental Protection Agency - Division of Environmental and Financial Assistance (OEPA-DEFA) or the Ohio Water Development Authority, and/or the Ohio Public Works Commission.
- Prepare specifications and plans for bidding and construction.
- Prepare bid and contract documents, construction specifications, and standard detail drawings for bidding.
- Provide coordination for bid and contract documents, construction specifications, plans and standard detail drawings through electronic plan room distribution to prospective bidders.
- Provide assistance during bidding including question response, as well as addenda preparation and distribution.
- Attend and assist with bid opening.
- Review bids received and prepare a bid tabulation for the same.
- Present construction contract award recommendation for consideration by the Village.

POGGEMEYER
DESIGN GROUP

- Prepare construction contract documents for execution by the Village and the Contractor.
- Provide administration services during construction to include conducting a preconstruction meeting, review contractor schedule and shop drawings, answer contractor questions, review and recommend contractor payment requests, evaluate any contractor change order requests, and perform a final walk through and punch list prior to release of final payment to the contractor.
- Provide coordination for critical phase part-time construction observation through/with a tank inspection firm (NTEC) during the project construction period. These site visits are timed to coordinate with critical points in the work sequence to assure compliance with the construction specifications. This work includes review of surface preparation before painting, review of any repairs prior to painting, paint film thickness review of primer, intermediate coat and top coat. Construction observation is expected to be a total of 13 site visits. We recommend the Village include this portion of the work to verify compliance with the construction specifications.
- Assist with final project cost tabulation.

These services would be performed per our existing retainer agreement with the Village.

Confirmation of our fees for the proposed services defined above for this include:

Preliminary Engineering	$750.00
Final Engineering Design	$4,500.00
Subconsultant	$3,500.00
Bidding & Construction Contract Documents	$1,500.00
Construction Administration	$1,750.00
TOTAL	$12,000.00

Printing, binding, and mailing of bidding documents/plans are also included in our scope of services for this project as a reimbursable expense.

Our services specifically do not include:

- Construction testing services.
- Negotiations for easement or right-of-way across private properties identified as within, and a part of, the project area.
- Easement legal description and/or document preparation, execution, and/or recording.
- Publication of the invitation to bid (advertising).
- Subsurface soil investigations, environmental reviews and wetlands determinations/ delineations.
- OEPA Permit to Install applications and/or review fees.
- Soils and concrete testing during construction.

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- Construction Observation services.

We anticipate completing the services defined above within two (2) months of receipt of the authorization to proceed from the Village, subject to OEPA-DEFA reviews and approvals.

If unforeseen delays or problems develop which would require our firm to suspend or cease work, we would need to adjust and/or renegotiate our schedule and fees accordingly. Other services desired by the Village in addition to the proposed scope of services as defined above could be completed per our existing retainer agreement or by other written agreement as directed by the Village.

If you believe that revisions and/or additional discussions/clarifications are necessary concerning the scope of this project and the services which our firm will provide, please contact this office prior to June 15, 2020; otherwise, we will begin work under this letter contract pending the receipt of written authorization or purchase order from the Village to proceed with this work.

This letter contract, with Exhibits A (2 pages), B (1 page), C (1 page), and Exhibit D (1 page) represents the entire agreement between PDG and the Village in respect to the project and may only be modified in writing after agreement by both parties. If this letter contract accurately reflects your understanding of our agreement, please sign the original and enclosed copy of this letter contract in the space provided below and return the original to PDG. This contract will be open for acceptance for a period of thirty (30) days, unless adjusted by PDG or the Village in writing.

We appreciate the opportunity to provide our services for this project and look forward to continuing development of a sound relationship with the Village of Elmore for this and future projects. If there are any questions, please do not hesitate to contact this office.

Sincerely,
POGGEMEYER DESIGN GROUP, INC.

Douglas A. Nusser
Principal Owner

Accepted this 10 day of June, 2020 by the undersigned who is duly and legally authorized to enter into such legal contracts for the above-referenced entity and their client.

By: _____
David J. Hower

Title: Village Administrator

Proof of Design

NTEC

Nelson Tank Engineering
& Consulting, Inc.

VILLAGE OF ELMORE
MAINTENANCE INSPECTION
200,000-GALLON
ELEVATED TANK

DATE: December 19, 2019

Phone: 517-321-1692 • Fax: 517-321-4405 • E-Mail: keith@nelsontank.com

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SUMMARY

Phoenix Fabricators and Erectors, Inc. constructed the tank in 2001. The tank is a toroellipse design constructed with a height to high water line of 117 feet. It is supported by columns and a central riser of welded construction. The internal water-containing structure is not equipped with a cathodic protection system. The Owner has indicated that maintenance painting of the interior was performed in 2012.

The elevated water storage tank and appurtenances are in fair to good structural condition. The tank has not been significantly damaged by external corrosion. Internal corrosion, in the form of pitting, has occurred on the surfaces below the water line. The tank's footings are in good condition with little evidence of deterioration. The interior coating is an epoxy system that is in poor condition, 98 percent intact. The coating is blistering and lifting below the water line. The exterior coating is a polyurethane system that is in fair to good condition, 99.999 percent intact. The surfaces have faded and chalked.

The following maintenance is recommended. Associated probable costs for construction are provided for preparing a budget. These estimates do not include normal engineering costs:

Maintenance costs (2019):

Item	Recommended Repair	Estimated Cost
1	Repair the interior ladder rung	$ 1,000
2	Budget for potential pit welding	$ 1,000
2	Abrasive blast clean and repaint the interior	$86,000
3	Power wash, spot tool clean and repaint the exterior	$96,000
4	Clean the overflow pipe screen	Incidental

INTRODUCTION

Nelson Tank Engineering & Consulting, Inc. (NTEC) conducted a maintenance inspection on the 200,000-gallon elevated storage tank owned by the Village of Elmore. The inspection consisted of an evaluation of the structural condition of the tank and appurtenances, a review of the coatings' condition and an evaluation of potential environmental, health and safety concerns. Matt Otberg, Steve Kwart and Wendy Court, field technicians, completed the inspection on November 12, 2019. Dean Ridner, Village Administrator, scheduled the inspection and provided personnel for assistance to expedite the inspection.

The interior surfaces were inspected by using a remote operated vehicle (ROV). NTEC uses a Chasing Innovation Gladius Mini Underwater ROV submarine. The ROV is powered from a DC source that is tethered to the control unit. Live video images are sent to the operator's video monitor where they are recorded.

The submarine and tether are chlorinated to 200 ppm prior to placing into the tank. The tank's water is evaluated for chlorine residual prior to and post inspection. The testing indicated no drop in chlorine residual.

The inspection consists primarily of a visual observation of the condition of the tank, appurtenances, coatings and exposed foundations. The inspection was conducted in accordance with a combination of AWWA D101 methods and procedures developed by NTEC. Coatings are reviewed for percent intact based upon Steel Structures Painting Council (SSPC) visual standards. Coatings are reviewed for signs of failure that include, but are not limited to, lifting, delaminating, cracking and blistering. Defects, such as overspray, runs and sags, are discussed when they are determined remarkable.

The tank and appurtenances are reviewed for visual signs of corrosion or structural damage. Corrosion damage is evaluated by visual observations and by using depth gauges or calipers wherever possible. Ultrasonic testing is only used in instances where the original plate thickness cannot be established. Estimates of internal pitting are prepared for each of the individual locations (i.e. roof, sidewall, bowl and riser) by selecting a representative area within each location. The estimate for total pitting within each location is then extrapolated from the representative area.

Environmental testing is performed on coatings only when uncertainty exists. Testing, therefore, is not performed on epoxy or polyurethane coating systems. Samples are analyzed to determine the presence of metals (lead, chromium and cadmium) in the coating system. Samples are collected by removing coating from the steel substrate. The reliability of the results is highly dependent upon sampling techniques. Variations in accuracy may be caused by difficulties in removing all the primer, multiple coating systems and variations in dry film thickness.

Estimates of probable costs are provided within the recommendations and summary of this report for the construction year reported. Probable costs are based upon the competitive bidding prices for construction costs only and do not include engineering costs. Construction costs are evaluated for prices received in the past year for similar work plus inflation for one year.

Estimates consider the method of surface preparation, applied coatings, surface area, complexity and location of the structure and environmental compliance requirements. Estimates do not consider variations imposed by market factors, revisions in the scope of work, work performed with restricted schedules or projects scheduled in low temperature seasons.

EVALUATION

INTERIOR

The tank is lined with an epoxy system that incorporates a zinc primer. The coating appears to be the original system. Spot painting has been performed and we believe it was conducted in 2012, according to staff recollections. The epoxy coating is in poor condition with widespread signs of deterioration. The coating appears to have poor adhesion with some areas of lifting, delamination and blistering. Several defects were observed in varying locations. The following is a description of the classifications of the remaining intact coating along with notable defects or the presence of corrosion.

The coating has blistered in a multiple locations on the surfaces below the water line. This coating failure may be attributed to inadequate or improper cure. Solvent becomes entrapped within the coating film when the cure process is not complete. Solvent entrapment may be caused from inadequate cure times, excessive dry film thickness or defective materials. The coating, generally, has poor adhesion to the steel substrate.

The epoxy coating remains 99.99 percent intact along the roof. Coating deterioration is occurring intermittently on the plate surfaces. The coating is lifting from the steel substrate in a few locations. The lap seams, vent opening, couplings and roof hatch appear to have little to no coating deterioration.

The epoxy coating remains 99.9 percent intact along the sidewall. It appears to have poor adhesion with small cracks developing in the blisters. The coating is lifting down to the substrate on the upper column stiffeners.

The epoxy coating remains 90 percent intact along the bowl. Coating deterioration is occurring at the blisters. The coating is lifting at the base of the bowl, exposing the steel substrate. Delamination of the coating was observed in varied locations along the bowl.

The riser and transition cone appear to have more serious coating damage. Widespread areas of blistering are evident. The epoxy coating remains 98 percent intact along the riser. Extensive blistering, lifting and delamination were observed.

The tank's interior steel plating is in fair condition. Corrosion has resulted where the coating system deteriorated. Damage to the interior tank has been moderate. Corrosion has, generally, been more aggressive below the water line. It is a surface rust occurring along the exposed steel in the roof. Steel losses due to corrosion have been relatively insignificant.

Pitting has occurred in varied patterns below the water line. The pitting was observed along the lower sidewall, bowl and riser. Pitting appears to be relatively shallow, identified as starter pitting. The pits are intermittent in concentration and do not appear to exceed one half the steel plate thickness (normally repaired) along the sidewall.

Pitting along the lower bowl and within the riser, however, appears to be more extensive and may be of increased depth. For individual pit estimates refer to the field inspection report form. Pit depths are only estimates, as the inspection was conducted by the ROV method. Depth estimates are created by evaluating the corrosion by-product build up on the surface.

The ladder in the tank proper is in fair condition. The ladder is connected to the sidewall and descends down from the hatch to the bowl. Icing has, apparently, broken the rung at the upper region of the ladder. Surface corrosion and pitting are occurring along the rungs and rails. The coating has completely failed due to lifting and delaminating.

EXTERIOR

The tank's exterior is coated with polyurethane system applied in 2001. Several minor defects were observed in varying locations. The following is a description of the classifications of the remaining intact coating along with notable defects or the presence of corrosion.

The polyurethane coating is in good condition with no signs of premature failure. It has good adhesion with no signs of lifting or delamination. The coating system remains 99.999 percent intact, therefore, no significant evidence of corrosion was observed. There are no significant misses or skips apparent in the finish coat. Roller marks are apparent; however, they are a normal consequence of the application.

The polyurethane coating remains over 99.999 percent intact along the columns, struts and riser. The coating is faded with minor areas of mildew and lichen attachment. The owner indicated areas of dark blue paint on the columns is covering graffiti.

The polyurethane coating remains over 99.999 percent intact along the bowl, sidewall and roof. Fading is noted, especially on the stripe, lettering and logo on the sidewall. Erosion or weathering of the topcoat was apparent. The intermediate coat is bleeding through, especially on the stripes on the sidewall.

The coating's adhesion was tested using a crosshatch adhesion method. This is a modified version of the ASTM D3359 and as a result does not replicate the same results as the ASTM. This modified test method is used by NTEC to determine the coating's overall adhesion and cohesion. NTEC uses this method for evaluation of coating systems for repair. When results indicate good adhesion, coatings may be top coated with compatible coating systems. Similarly, results indicating poor adhesion should not be top coated. The test, although important, is only one of the variables used to assess the coating's ability to be top coated. Other variables include, but are not limited to, the generic type of coating, the age of the coating, number of coats, percent intact, presence of defects or failure and dry film thickness.

The method consists of cutting a lattice pattern in the painted surface using a guide. Pressure sensitive tape is applied to the scribed area and then removed. The remaining pattern is evaluated by comparison with descriptions and illustrations. The illustrations are classified ranging from 0B to 5B. 0B represents greater than 65% removal of the coating and 5B represents fully intact coating.

Tests were performed on the roof, sidewalls, lower columns and the lower riser. The following represents the classifications observed:

1.	Roof	4B
2.	Sidewalls	4B
3.	Columns	4B, 4B, 4B
4.	Riser	4B

The tank is supported by 4 tubular columns and the central riser. Sway rods, positioned diagonally between the column bays, are tension members designed to resist lateral loads from either wind or earthquakes. The rods and turnbuckles were inspected for corrosion damage and proper tension. The rods and pinned ends have no significant corrosion damage with only minor surface rust noted. A few rods appear loose in the third bay.

The appurtenances include ladders, overflow pipe, vent, balcony and hatches. The ladders are located along the column, sidewall and roof. The ladders are fixed and in good condition with no significant corrosion damage observed. A rail-type fall prevention system is attached to each section. The fall prevention system is in good condition.

The overflow pipe and support bracing are in good condition. There was no evidence of significant external corrosion. The base of the overflow pipe has a screen to prevent contamination. The screen remains intact and in good condition; however, debris has collected, partially plugging some the openings.

The vent is an umbrella dome design located at the center of the roof. The vent is in good condition. There was no evidence of significant internal or external corrosion. The screen remains intact and in good condition.

The tank contains three hatches: one at the bottom of the riser, one in the sidewall and one on the roof. The riser manway hatch is in good condition. Minor surface corrosion has developed on the exterior and retaining clamps. The sidewall hatch is in good condition. The bolts and hinge have minor corrosion evident. The roof hatch is in good condition with no significant corrosion damage observed.

The exposed concrete footings were visually inspected for deterioration, undermining and root encroachment. The footings are buried so only the top of the footing can be seen. The grout is, also, in good condition. There are no signs of deterioration noted on the footings or with the grout.

RECOMMENDATIONS

INTERIOR

NTEC recommends removal of the existing coating by abrasive blast cleaning to a near white grade and application of a three-coat epoxy system. The epoxy paint system has been used extensively for interior lining of potable water storage tanks for over thirty years. It still remains a cost-effective material for protecting steel surfaces of potable water storage tanks. The coating offers a combination of good adhesion, abrasion resistance and relatively low cost. Not all epoxy systems may be used in potable water storage tanks. Epoxy coating systems require certification from the National Sanitation Foundation (NSF) prior to their use in potable service applications. Some epoxy systems incorporate the use of a zinc primer either in epoxy or urethane formulations.

Epoxy coatings, normally, require a minimum substrate surface temperature of fifty degrees unless accelerated. Accelerated versions will allow application at surface temperatures down to thirty-five degrees or less. The abrasive blast cleaning will create a spent material waste that requires testing prior to disposal. TCLP tests are performed to determine whether the spent abrasive is hazardous or non-hazardous. The landfill determines the number and type of contaminants to be tested (normally eight metals). In most cases, the test determines the waste nonhazardous. The estimated cost for painting is $86,000.

NTEC recommends welding the pits along the riser and potentially along the bowl which exceed one half the steel plate thickness. The purpose of the repair is to prevent leaks from occurring at the most susceptible areas. We, therefore, do not recommend welding all pits because it is not cost effective. The estimated cost to pit weld 50 pits is $1,000.

We recommend repair to the interior ladder. The top rung was damaged and should be replaced. The estimated cost for repair is $1,000.

EXTERIOR

NTEC recommends maintenance painting for the tank's exterior. The existing coating has good adhesion and, therefore, provides a suitable substrate. We recommend power washing, spot power tool cleaning and application of a three-coat polyurethane system. The pressure washing usually incorporates oscillating (spinning) tips to ensure loose paint is removed. This method does not always remove poorly adhering paint which can pose adhesion failures in the future. This is most successful when adhesion of the existing coating is rated at 3B or above. The polyurethane system would incorporate a binder coat that would be compatible with the existing coating. Painting will eliminate corrosion and extend the remaining life of the existing coating. The overflow pipe screen should be cleaned. The estimated cost to recoat the 200,000-gallon tank is $96,000.

The application of lettering or logos would be additional, depending on size and complexity.

FIELD REPORT FORM

I. GENERAL

OWNER:	Village of Elmore	DATE:	November 12, 2019
ADDRESS:	41.474014, -83.289521	HEIGHT:	117' 9" HWL
TANK SIZE:	200,000 gallons	CONSTRUCTION:	Welded
TANK DESIGN:	Toroelipse	LETTERING:	Elmore (x1) Go Wildcats! (x1)
MANUFACTURE:	Phoenix Fabricators	LOGO:	Wildcat (x1)
ERECTION DATE:	2001	COLOR:	Blue, white, yellow
ENGINEER INSP:	Matt Otberg	ASST INSP:	S. Kwart, W. Court

II. CONTROLS

CONTROL LOCATION:	--	BRAND:	--
TELEMETERED:	--	RADIO TRANS:	--
HEATED:	--	INSULATED:	--
CATHODIC PROTECTION:	--	MANUFACTURE:	--
RECTIFIER (MAN, AUTO):	--	OPERATIONAL:	--
ANODE DESIGN:	--	CONFIGURATION:	--
ANY DAMAGE:	--	DESCRIBE:	--

III. VALVE VAULT

VAULT CONDITION:	--	HEATED:	--
INSULATED:	--	WATER SEEPAGE:	--
PIPING CONDITION:	--	COATING INTACT:	--
EXPANSION JOINT TYPE:	--	CONDITION	--
ALTITUDE VALVE:	--	CONDITION:	--

IV. FOUNDATION

CONDITION OF CONCRETE:	Good on exposed section
ANY APPARENT SETTLEMENT:	No
SOIL EROSION OR LACK OF COVER:	No
CRACKS:	No
DELAMINATION:	No
SPALLING:	No
AGGREGATE EXPOSED:	No

CONDITION OF GROUT:	Good
CONDITION OF BASE PLATES:	Good
CONDITION OF ANCHOR BOLTS:	Good-minor surface corrosion
SHRUBS ENCROACHING:	No

V. EXISTING COATING HISTORY

SURFACE	DATE	PAINT SYSTEM	MANUFACTURER	CONTRACTOR
INTERIOR:	2001 2012	Zinc/Epoxy Epoxy spot	Unknown	Unknown
EXTERIOR:	2001	Polyurethane	Unknown	Unknown

VI. EXTERIOR CONDITIONS

A. RISER

NUMBER OF SECTIONS:	11
GENERAL CONDITION OF COATING:	Good
PERCENT TOPCOAT INTACT:	99.999
PERCENT INTERMEDIATE/ PRIMER INTACT:	100
ADHESION TEST:	4B
CONDITION OF INSULATION/FROST JACKET:	N/A
RISER TIE BANDS:	N/A
COMMENTS:	Coating is faded with moss buildup in various areas. No apparent failures. Graffiti painted over.

B. COLUMNS

DESIGN:	Tubular
NUMBER OF COLUMNS:	4
GENERAL CONDITION OF COATING:	Good
PERCENT TOPCOAT INTACT:	99.999
PERCENT INTERMEDIATE/PRIMER INTACT:	99.999
ADHESION TEST:	4B
COMMENTS:	Coating faded on each column. Graffiti painted over.

C. STRUTS

DESIGN:	I-beam
CONDITION OF CONNECTIONS:	Good
GENERAL CONDITION OF COATING:	Good
PERCENT TOPCOAT INTACT:	99.999
PERCENT INTERMEDIATE/PRIMER INTACT:	99.999
COMMENTS:	Minor surface corrosion

D. SWAY RODS

CONDITION OF PINS:	Good
PERCENT STEEL LOSS:	>1%

SWAY ROD LOCATION (CLOCKWISE FROM LADDER)																
BAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1 (TOP)	T	T	T	T												
2	T	T	T	T												
3	L	L	T	T												
4																

E. BOWL

DESIGN:	Toro
NUMBER OF SECTIONS:	2
GENERAL CONDITION OF COATING:	Good
PERCENT TOPCOAT INTACT:	99.999
PERCENT INTERMEDIATE/PRIMER INTACT:	100
COMMENTS:	Coating is faded. Minor staining on mid SE portion of bowl.

F. SIDEWALLS

NUMBER OF SHELL SECTIONS:	2
GENERAL CONDITION OF COATING:	Good
PERCENT TOPCOAT INTACT:	99.999
PERCENT INTERMEDIATE/PRIMER INTACT:	100
ADHESION TEST:	4B
COMMENTS:	Coating is faded, particularly on the yellow stripe and the lettering and logo.

G. SIDEWALL BALCONY

CONDITION OF CONNECTIONS:	Good
GENERAL CONDITION OF COATING:	Good
PERCENT TOPCOAT INTACT:	99.999
PERCENT INTERMEDIATE/PRIMER INTACT:	100
CORROSION PRESENT:	No
DEGEE OF CORROSION:	--
ACCUMULATED DEBRIS:	--
HEIGHT:	42

H. ROOF

DESIGN:	Ellipse
GENERAL CONDITION OF COATING:	Good
PERCENT TOPCOAT INTACT:	99.999
PERCENT INTERMEDIATE/PRIMER INTACT:	100
ADHESION TEST:	5B
COMMENTS:	Coating is faded. There is an unused bracket for aviation lights.

I. ACCESSORIES

LADDER CONDITION:	Good	FALL PREVENTION:	Rail
CAGED:	Yes	IF YES, WHERE:	Column
SHELL LADDER FIXED:	Yes	ROOF LADDER FIXED:	Yes
OVERFLOW PIPE SIZE:	8"	CONDITION:	Good
SCREENED:	Yes	CONDITION:	Good
STUB:	No	GROUND LEVEL:	--
SHELL MANWAY SIZE	24"	GASKET CONDITION:	Unknown
RISER MANWAY SIZE:	14"x18"	GASKET CONDITION:	Unknown
MUD VALVE:	No	SIZE:	--
CONDITION OF VENT:	Good	DESIGN:	
SCREENED:	Yes	CONDITION:	Good
CATHODIC CAPS:	No	MISSING OR SLIPPED:	--
ROOF HATCH SIZE:	30"	CONDITION:	Good
AVIATION LIGHTS:	No	CONDITION:	--
OBSTRUCTIONS:	No	ANTENNAE:	No

VII. INTERIOR CONDITIONS

A. RISER

GENERAL CONDITION OF COATING:		Poor	
PERCENT TOPCOAT INTACT:		98	
PERCENT INTERMEDIATE/PRIMER INTACT:		99	
ACTIVE CORROSION:	Yes	TYPE:	Pitting
CONCENTRATION:	Intermittent	INACTIVE CORROSION:	Yes
DEEPEST PIT:	≈1/8-inch	AVG PIT DEPTH:	≈1/64-inch
PIT ESTIMATE:	500	WELDING ESTIMATE:	50
PRIOR PIT WELDS:	No	# TO GRIND:	--
STRAY WELDS:	Yes	LINEAL ESTIMATE:	--
FILL PIPE DIAMETER:	--	DRAIN DIAMETER:	--
ADDTNL PIPING:	Siphon	CONDITION:	Good
ANY LADDER:	No	CONDITION:	--
COMMENTS:	Widespread blistering with delamination. Evidence of spot painting. The siphon pipe appears to be intact, although, there is significant coating failure with corrosion.		

B. BOWL

GENERAL CONDITION OF COATING:		Poor	
PERCENT TOPCOAT INTACT:		90	
PERCENT INTERMEDIATE/PRIMER INTACT:		95	
ACTIVE CORROSION:	Yes	TYPE:	Pitting
CONCENTRATION:	Widespread	INACTIVE CORROSION:	No
DEEPEST PIT:	≈1/16-inch	AVG PIT DEPTH:	≈1/32-inch
PIT ESTIMATE:	2500	WELDING ESTIMATE:	50
PRIOR PIT WELDS:	N/A	# TO GRIND:	--
STRAY WELDS:	No	LINEAL ESTIMATE:	--
FILL PIPE DIAMETER:	N/A	DRAIN DIAMETER:	N/A
ADDTNL PIPING:	No	CONDITION:	--
MIXING SYSTEM:	No	CONDITION:	--
COMMENTS:	Widespread blistering with delamination. Evidence of spot painting. Vertical striation pitting.		

C. SIDEWALL

GENERAL CONDITION OF COATING:	Poor
PERCENT TOPCOAT INTACT:	99.9
PERCENT INTERMEDIATE/PRIMER INTACT:	99.99

ACTIVE CORROSION:	Yes	TYPE:	Pitting
CONCENTRATION:	Intermittent	INACTIVE CORROSION:	No
DEEPEST PIT:	≈1/16-inch	AVG PIT DEPTH:	≈1/64-inch
PIT ESTIMATE:	1000	WELDING ESTIMATE:	0
PRIOR PIT WELDS:	No	# TO GRIND:	--
STRAY WELDS:	No	LINEAL ESTIMATE:	--
PAINTER'S RAIL:	No	STIFFENER:	Yes
ANY LADDER:	Yes	CONDITION:	Fair/poor
COMMENTS:	Widespread blistering with delamination. Evidence of spot painting. The ladder is missing one or possibly two rungs at the top and there is significant coating loss with scale corrosion.		

D. ROOF

GENERAL CONDITION OF COATING:		Fair	
PERCENT TOPCOAT INTACT:		99.99	
PERCENT INTERMEDIATE/PRIMER INTACT:		99.99	
ACTIVE CORROSION:	Yes	TYPE:	Surface
CONCENTRATION:	Random	INACTIVE CORROSION:	No
DEEPEST PIT:	N/A	AVG PIT DEPTH:	--
PIT ESTIMATE:	–	WELDING ESTIMATE:	–
ROOF BEAMS:	No	DESIGN:	–
NUMBER:	–	CONDITION:	–
CORROSION TYPE:	–	EST. PERCENT LOSS:	–
BOLTS:	–	CONDITION:	–
COMMENTS:	Coating lifting in random areas.		

Note: Percentage of intact coating is based upon visual observation of actual paint remaining in comparison to SSPC-Guide Visual Standard No. 2, Figure 1. It does not indicate the coating has good adhesion, is free from defects or is failing. Any surface preparation estimates should consider these variables.

VIII. RECOMMENDATIONS

REPAIRS:	Pit welding. Repair interior ladder. Clean the overflow pipe screen.

PAINTING:	Abrasive blast and paint interior. Power wash & power tool clean and overcoat exterior.

CROSS HATCH TEST FIGURE

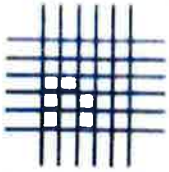
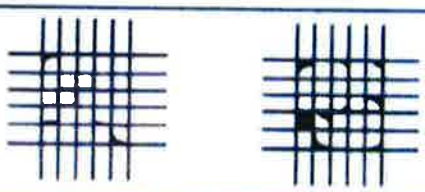
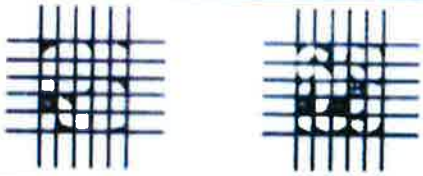
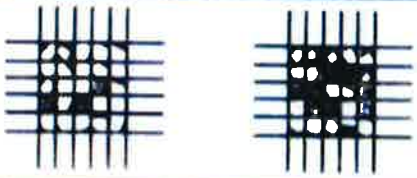
CLASSIFICATION OF ADHESION TEST RESULTS		
CLASSIFICATION	PERCENT AREA REMOVED	SURFACE OF CROSS-CUT AREA FROM WHICH FLAKING HAS OCCURRED FOR SIX PARALLEL CUTS AND ADHESION RANGE BY PERCENT
5B	0% None	
4B	Less than 5%	
3B	5 – 15%	
2B	15 – 35%	
1B	35 – 65%	
0B	Greater than 65%	

FIG. 1 Classification of Adhesion Test Results

PHOTOGRAPHS

200,000-gallon tank owned by the Village of Elmore

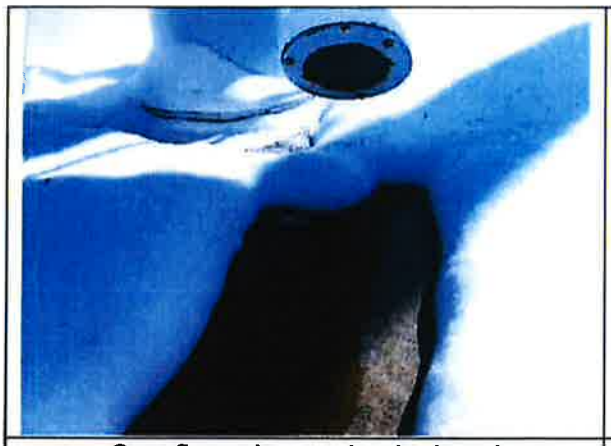
Bowl and sidewall with lettering

Columns, riser and bowl

Columns and riser

Footing, baseplate and grout

Riser manway



Overflow pipe and splashpad

Overflow screen

Ladder, cage and fall prevention

Riser with sway rods, struts and sway bars

Strut

Bowl

Underneath the balcony

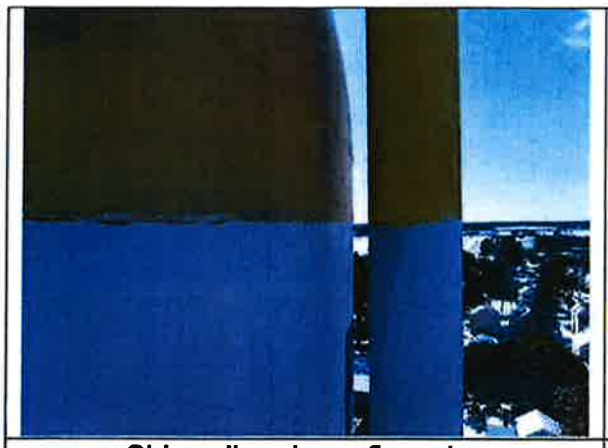
Balcony railing with surface rust

Balcony floor

Sidewall with weathered and fading lettering

Sidewall with logo

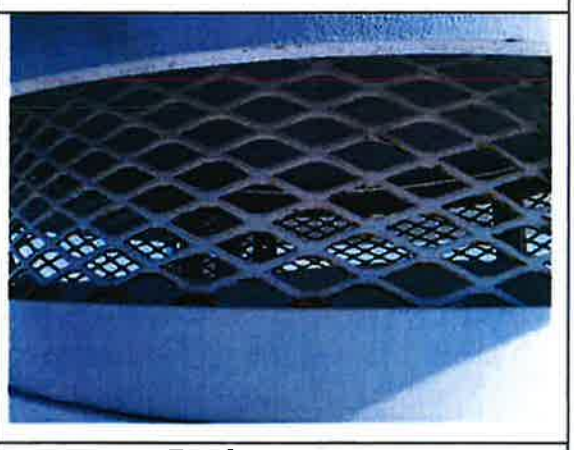
Sidewall hatch



Sidewall and overflow pipe

Roof ladder with fall prevention

Umbrella dome roof vent



Roof vent screen

Wet interior hatch

Wet interior roof

	
Wet interior roof with area of coating delamination	Weir box

Proof of Design
Complete document is
available upon request

PROPOSAL, CONTRACT DOCUMENTS, AND TECHNICAL SPECIFICATIONS

FOR

ELEVATED TANK REHABILITATION

FOR THE

VILLAGE OF ELMORE, OHIO

JOB NO. 131100-00080

MAY, 2021

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SECTION IV - FORMS

SECTION V - TECHNICAL SPECIFICATIONS

SECTION VI - TECHNICAL DRAWINGS

INVITATION TO BID

SEALED BIDS for the furnishing of the necessary materials and rehabilitation of the

ELEVATED TANK REHABILITATION
VILLAGE OF ELMORE, OHIO

will be received by the Village of Elmore, Ohio at the Office of the Administrator, 344 Rice Street, Elmore, Ohio 43416 until

12:00 P.M. Noon (Local Time)
TBD, 2021

and at that time and place will be publicly opened and read aloud.

The scope of work consists of providing labor and materials necessary for the interior & exterior preparation, re-priming, and re-coating of an existing 200,000 gallon multi-leg toroellipse elevated water storage tank, and other necessary appurtenances.

The contract documents, including plans and specifications, are on file at the office of the Village of Elmore, Ohio and the Architect/Engineer -- Poggemeyer Design Group, Inc. (PDG). The documents may be viewed and ordered online or obtained from Becker Impressions, 4646 Angola Road, Toledo, Ohio 43615, Telephone 419-385-5303, www.pdgplanroom.com for the cost of printing to be paid to the printing company at the time the documents are picked up. Shipping and tax charges are the bidder's responsibility and payable directly to Becker Impressions.

The Engineer for the Project is Poggemeyer Design Group, Inc., 1168 North Main Street, Bowling Green, Ohio 43402.

All bids must be signed and submitted on the blanks which are bound in this booklet. Bids must state the unit prices in the blanks provided and be enclosed in a sealed envelope marked --- **ELEVATED TANK REHABILITATION** --- and be addressed to the Village of Elmore, 344 Rice Street, Elmore, Ohio 43416.

The bid guaranty may be of two forms:

1. A Bid Guaranty and Contract Bond using the form in the Contract Documents. (The amount of the bid does NOT have to appear on this form.)

2. A certified check, cashier's check or letter of credit in favor of the Village of Elmore, Ohio, in the amount of

10% of the bid. If the contract is awarded, a Contract Bond will be required, which is a 100% payment and performance bond.

This procurement is subject to the EPA policy of encouraging the participation of small businesses in rural areas (SBRAs).

After the award of the contract let by competitive bid and prior to the time the contract is entered into, bidders shall submit the affidavit required under the Ohio Revised Code, Section 5719.042 that the bidder was not charged with any delinquent personal property taxes in Ottawa County, Ohio.

The successful bidder will be required to pay not less than the highest applicable minimum wage rates as established by the federal Davis-Bacon Wage Determinations issued by the U.S. Department of Labor.

The Village of Elmore, Ohio reserves the right to reject any and all bids and to waive any irregularity in any bid and to determine the lowest and best bidder.

THE USE OF DOMESTIC STEEL WILL BE REQUIRED FOR ALL ASPECTS/COMPONENTS OF THIS PROJECT.

No bidder may withdraw his bid for a period of 90 days after the scheduled closing time for the receipt of bids.

This project is being partially funded by the Ohio Public Works Commission and the Ohio Environmental Protection Agency's Water Supply Revolving Loan Account (WSRLA) with Buy American requirements.

The opinion of the probable cost of construction is $221,375.

By Order of
Dave Hower, Administrator
Village of Elmore, Ohio

To Newspaper:

Advertise: TBD, 2021
TBD, 2021

Furnish Affidavit

District 5
Capital Improvement Project
Priority Rating Sheet, Round 35

COUNTY: Ottawa
PROJECT: Village of Elmore - Elevated Tank Rehabilitation
EST. COST: $250,025
PROJECT NUMBER:

No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS	"A" x "B"	PRIORITY FACTORS						No.
			0 2 4 6 8 10		0	2	4	6	8	10	
1	1	(REPAIR OR REPLACE) vs. (NEW OR EXPANSION)		10	0% + Repair or Replacement	20% + Repair or Replacement	40% + Repair or Replacement	60%+ Repair or Replacement	80%+ Repair or Replacement	100%+ Repair or Replacement	1
			0 2 4 6 8 10		0	2	4	6	8	10	
2A	1	EXISTING PHYSICAL CONDITION Please refer to Criteria #2 of the Round 35 Scoring Methodology. Must submit substantiating documentation. (100% New or Expansion = 0 Points)		6	Excellent	Good	Fair	Fading	Poor	Failing	2A
			0 1 2 3 4 5		Type	0	1	2	3	4	5	
2B	1	AGE		1	Road	0-4 Yrs	5-8 Yrs	9-12 Yrs	13-16 Yrs	17-20 Yrs	20+ Yrs	2B
					Wastewater	0-6 Yrs	7-12 Yrs	13-18 Yrs	19-24 Yrs	25-30 Yrs	30+ Yrs	
					Bridge/Culvert, Sanitary Sewer, Water Supply, Storm Water, Solid Waste	0-10 Yrs	11-20 Yrs	21-30 Yrs	31-40 Yrs	41-50 Yrs	50+ Yrs	
			0 2 4 6 8 10		0	2	4	6	8	10	
3	2	PUBLIC HEALTH AND/OR SAFETY CONCERNS Submittals without supporting documentation will receive 0 points for this question.		16	No Impact	Minimal	Moderate	Major	Critical	Extremely Critical	3
			0 2 4 6 8 10		0	2	4	6	8	10	
4	2	LOCAL MATCHING FUNDS Percentage of Local Share (Local funds are funds derived from the applicant budget or a loan to be paid back through the applicant budget, assessments, rates or tax revenues) *		20	0%	10%	20%	30%	40%	50%	4
			0 2 4 6 8 10		0	2	4	6	8	10	
5	1	OTHER FUNDING (Excluding Issue II Funds) (Grants and other revenues not contributed or collected through taxes by the applicant, including Gifts, Contributions, etc. -- must submit copy of award or status letter.)		0	0%	10%	20%	30%	40%	50%	5
6		OPWC GRANT AND LOAN FUNDS REQUESTED Please refer to Criteria #6 of the Round 35 Methodology for clarification.									6
	2	Grant or Loan Only	-9 -6 0 6 9 10		-9	-6	0	6	9	10	
					Grant or Loan Only						6
					$500,001 or more	$400,001 to $500,000	$325,001 to $400,000	$275,001 to $325,000	$175,001 to $275,000	$175,000 or less	
	2	Grant /Loan Combination	-9 -6 0 6 9 10	20	Grant/Loan Combination						
					$750,000 or more	$600,001 to $750,000	$487,501 to $600,000	$412,501 to $487,500	$262,501 to $412,500	$262,500 or less	6
		When scoring a project that is only grant or only loan. Please use the chart labeled "Grant or Loan Only". When scoring a grant/loan combination, score the project for the grant in the first chart, then use the second chart labeled "Grant/Loan Combination" to score the total (grant and loan combined). Use the lower of the two as the score.									
			0 2 4 6	0	0	2	4	6			
7	1	JOB CREATION/RETENTION Indicate full time equivalent jobs, include supporting documentation in the form of a commitment letter from business or third party entity.			0-6 Jobs	7-14 Jobs	15-24 Jobs	25+ Jobs			7
			0 2 4 6 8 10		0	2	4	6	8	10	
8	1	BENEFIT TO EXISTING USERS (households or traffic counts) (equivalent dwelling unit direct connections. Traffic Counts within two years with certified documentation, etc.		6	0 -99 Users	100 - 349 Users	350 - 499 Users	500 - 749 Users	750 - 1000 Users	1000+ Users	8
			0 1 2		0	1	2				
9	1	ECONOMIC DISTRESS Local MHI as a percentage of the District Median MHI		1	100%+	80%-100%	Less Than 80%				9
			0 1 2	1	0	1	2				
10	1	READINESS TO PROCEED			Plans Not Begun Yet	Preliminary Engineering Complete	Final Design Complete				10
11		SUBTOTAL RANKING POINTS (MAX. = 113)		81	Other Info: Does this project have a significant impact on productive farmland? YES NO X Attach impact statement if yes. Is the Applicant ready to proceed to bids after State Approval within 6 months?: YES X NO						
12		COUNTY SUBCOMMITTEE PRIORITY POINTS (25-20-15)									
13A		DISCRETIONARY POINTS (BY DISTRICT ONLY) (MAX.=1)			District Discretionary Point may be awarded to projects that demonstrate significant Area-wide, County, or Community Impact. Include documentation to support the claim of significance.						
13B		DISCRETIONARY POINTS (BY DISTRICT ONLY) (MAX.=1)			District Discretionary Point may be awarded to projects that demonstrate that the entity has maximized financial resources including assessments and utility rate structure.						
14		GRAND TOTAL RANKING POINTS									

*** Applicants must certify local and other share contributions. Specify, all funding sources to be utilized as local share at the time of application submittal.**

DISTRICT 5
CAPITAL IMPROVEMENT PROJECTS
QUESTIONNAIRE
ROUND 35

Name of Applicant: Village of Elmore
Project Title: Elevated Tank Rehabilitation

The following questions are to be answered for each application submitted for State Issue II SCIP, LTIP and Loan Projects. Please provide specific information using the best documentation available to you. Justification of your responses to these questions will be required if your project is selected for funding, so please provide correct and accurate responses. **Communities and Townships under 5,000 in population should also complete the Small Government Criteria.**

1. What percentage of the project in repair A= 100 %, replacement B= __%, expansion C= __%, and new D= _____%? (Use dollar amounts of project to figure percentages and make sure the total equals one hundred(100) percent) A+B= ___% C+D= ___% **ORC Reference(s):164.06(B)(1); 164.14(E)(10)**

Repair/Replacement =Repair or Replacement of public facilities owned by the government (any subdivision of the state).

New/Expansion = Replacement of privately owned wells, septic systems, private water or wastewater systems, etc.

2a. Existing Physical Condition of Infrastructure **ORC Reference(s):164.06(B)(2);164.14(E)(9);164.14(E)(2); 164.14(E)(8)**

Points	Category	Description	Examples
10	Failing	Infrastructure has reached a point where it requires replacement, reconstruction or reconfiguration to fulfill its purpose	-Intersection Reconfiguration due to accident problem- Structural paving of 3.5" or greater of additional pavement - Pavement Widening to meet ODOT L&D Standards - Complete Pavement Reconstruction -Water or Sewer Line Replacement - Water or Sewer Plant Replacement - Widening graded shoulder width to ODOT L&D Standard -Complete Bridge or Culvert replacement
8	Poor	The condition is substandard and requires repair or restoration in order to return to the intended level of service and comply with current design standards. Infrastructure contains deficiency and is functioning at a diminished capacity.	-Multiple course of paving - Structural Culvert Lining - Bridge Deck Replacement - Replacement of a significant part of a water or sewer plant - Single course of paving with 25% base repair-Widening

			graded shoulder width to less than ODOT L&D Standard
6	Fading	The condition requires reconditioning to continue to function as originally intended.	-Single course of paving -Sewer Lining Projects -Water tower painting -Replacement of pumps, hydrants, valves, filters, etc in existing water and sewer systems-Widening aggregate berm on existing graded shoulder width
4	Fair	The condition is average, not good or poor. The infrastructure is still functioning as originally intended. Minor deficiencies exist requiring repair to continue to function as originally intended and/or to meet current design standards	
2	Good	The condition is safe and suitable to purpose. Infrastructure is functioning as originally intended, but requires minor repairs and/or upgrades to meet current design standards	
0	Excellent	The condition is new or requires no repair. Or, no supporting documentation has been submitted	

2b. Age of Infrastructure **ORC Reference(s):164.06(B)(2)**

Life	20	30	50
Project Type	Road	Wastewater and Water Treatment	Bridge/Culvert, Sanitary Sewer, Water Supply, Storm Water, Solid Waste
Points			
0	0-4 Years	0-6 Years	0-10 Years
1	5-8 Years	7-12 Years	11-20 Years
2	9-12 Years	13-18 Years	21-30 Years
3	13-16 Years	19-24 Years	31-40 Years
4	17-20 Years	25-30 Years	41-50 Years
5	20+ Years	30+ Years	50+ Years

3. Health and Safety Rating: **ORC Reference(s):164.06(B)(4),164.14(E)(1); 164.14(E)(10)**

If the proposed project is not approved what category would best represent the impact on the general health

and/or public safety?

ROADS

Extremely Critical:	Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Major Access Road.*
Critical:	Resurfacing, Restoration and Rehabilitation (3R) of a Major Access Road.*
Major:	Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Minor Access Road.*
Moderate:	Resurfacing, Restoration and Rehabilitation (3R) of a Minor Access Road.*
Minimal:	Preventative Maintenance of a Major Access Road.
No Impact:	Preventative Maintenance of a Minor Access Road.

Projects that have a variety of work will be scored in the LOWEST category of work contained in the Construction Estimate.

Road/Street Classifications:

Major Access Road:	*Roads or streets that have a dual function of providing access to adjacent properties and providing through or connecting service between other roads.*
Minor Access Road:	*Roads or streets that primarily provide access to adjacent properties without through continuity, such as cul-de-sacs or loop roads or streets.*
Preventative Maintenance:	*Non Structural Pavement work such as chip sealing, cape sealing, micro-surfacing, crack sealing, etc.*

*(3R) Resurfacing, Restoration and Rehabilitation - Improvements to existing roadways, which have as their main purpose, the restoration of the physical features (pavement, curb, guardrail, etc.) without altering the original design elements. **(Surface and Intermediate layer Mill and Fills, overlays with less than or equal to 3.5" of additional pavement, etc....)**

*(4R) Resurfacing, Restoration, Rehabilitation and Reconstruction - Much like 3R, except that 4R allows for the complete reconstruction of the roadway and alteration of certain design elements (i.e., lane widths, shoulder width, SSD, **overlays with greater than 3.5" of additional pavement**. etc.).

BRIDGES SUFFICIENCY RATING

Extremely Critical:	0-25, or a General Appraisal rating of 3 or less.
Critical:	27-50, or a General Appraisal rating of 4.
Major:	51-65 or a General Appraisal rating of 5 or 6.
Moderate:	66-80 or a General Appraisal rating of 7.

Minimal:	81-100 or a General Appraisal rating of more than 7.
No Impact:	Bridge on a new roadway.

WASTEWATER TREATMENT PLANTS

Extremely Critical:	Environmental Protection Agency (EPA) orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
Critical:	Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
Major:	Replace deficient appurtenances. Update existing processes due to EPA recommendations.
Moderate:	Increase capacity to meet current needs or update processes to improve effluent quality.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

WATER TREATMENT PLANT

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Improvements to meet Environmental Protection Agency (EPA) Safe Drinking Water Regulations and/or NPDES Orders.
Major:	Replace deficient appurtenances. Update existing processes due to EPA recommendations.
Moderate:	Increase capacity to meet current needs or update processes to improve water quality.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

COMBINED SEWER SEPARATIONS (May be construction of either new storm or sanitary sewer as long as the result is two separate sewer systems.)

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
Critical:	Separate, due to chronic backup or flooding in basements.
Major:	Separate, due to documented water quality impairment, or due to EPA

recommendations.

Moderate:	Separate, due to specific development proposal within or upstream of the combined system area.
Minimal:	Separate, to conform to current design standards.
No Impact:	No positive health effect.

STORM SEWERS

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Chronic flooding (structure damage).
Major:	Inadequate capacity (land damage).
Moderate:	Inadequate capacity with no associated damage.
Minimal:	New/Expansion to meet current needs.
No Impact:	New/Expansion to meet future or project needs.

CULVERTS

Extremely Critical:	Structurally deficient or functionally obsolete. Deterioration has already caused a safety Critical: hazard to the public.
Critical:	Inadequate capacity with land damage and the existing or high probability of property damage.
Major:	Inadequate capacity (land damage).
Moderate:	Inadequate capacity with no associated damage.
Minimal:	New/Expansion to meet current needs.
No Impact:	New/Expansion to meet future or projected needs.

SANITARY SEWERS

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
Critical:	Replace, due to chronic pipe failure, chronic backup or flooding in basements. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.

Major:	Replace, due to inadequate capacity or infiltration, or due to EPA recommendations.
Moderate:	Rehabilitate to increase capacity to meet current needs or to reduce inflow and infiltration.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

SANITARY LIFT STATIONS AND FORCE MAINS

Extremely Critical:	Structurally deficient. Deterioration has already caused a safety/health hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Inadequate capacity with actual or a high probability of property damage. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
Major:	EPA recommendations, or, reduces a probable health and/or safety problem.
Moderate:	Rehabilitate to increase capacity to meet current needs.
Minimal:	New/Expansion to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

WATER PUMP STATIONS

Extremely Critical:	Structurally deficient. Deterioration has already caused a safety hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Inadequate capacity with the inability to maintain pressure required for fire flows.
Major:	Replace due to inadequate capacity or EPA recommendations.
Moderate:	Rehabilitate to increase capacity to meet current needs.
Minimal:	New/Expansion to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

WATER LINES/WATER TOWERS

Extremely Critical:	Solve low water pressure or excessive incidents of main breaks in project area.
Critical:	Replace, due to deficiency such as excessive corrosion, etc.

Major:	Replace undersized water lines as upgrading process.
Moderate:	Increase capacity to meet current needs.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

OTHER

Extremely Critical:	There is a present health and/or safety threat.
Critical:	The project will provide immediate health and/or safety benefit.
Major:	The project will reduce a probable health and/or safety problem.
Moderate:	The project will delay a health and/or safety problem.
Minimal:	A possible future health and/or safety problem mitigation.
No Impact:	No health and/or safety effect.

NOTE: *Combined projects that can be rated in more than one subset may be rated in the other category at the discretion of the District 5 Executive Committee. In general, the majority of the cost or scope of the project shall determine the category under which the project will be scored.*

(Submittals without supporting documentation will receive 0 Points for this question.)

Extremely Critical ___, Critical _X_, Major ___, Moderate ___, Minimal ___, No Impact ___. Explain your answer.

(Additional narrative, charts and/or pictures should be attached to questionnaire)

4. Identify the amount of local funds that will be used on the project as a percentage of the total project cost. **ORC Reference164.06(B)(6); ORC164.06(B)(3)**

A.) Amount of Local Funds = $ 125,013

B.) Total Project Cost = $ 250,025

RATIO OF LOCAL FUNDS DIVIDED by TOTAL PROJECT COSTS (A□B)= 50 %

Note: Local funds should be considered funds derived from the applicant budget or loans funds to be paid back through local budget, assessments, rates or tax revenues collected by the applicant.

5. Identify the amount of other funding sources to be used on the project, excluding SCIP or LTIP Funds,

as a percentage of the total project cost. **ORC Reference(s):164.06(B)(7);164.14(E)(4)**

Grants ____% Gifts ____%, Contributions ____%

Other ____% (explain)_____ , Total ____%

Note: Grant funds and other revenues not contributed or collected through taxes by the applicant should be considered other funds. The Scope of Work for each Funding Source must be the same.

6. Total Amount of SCIP and Loan Funding Requested- An Applicant can request a grant per the categories below for points as indicated on the Priority Rating Sheet. If the Applicant is including a loan request equal to, but not exceeding 50% of the OPWC funding amounts listed below, there will be no point penalty. If loan funds requested are more than 50%, points as listed in the Priority Rating Sheet will apply. **ORC Reference(s):164.14(E)(10);164.06(B)(5)**

_____	$500,001 or More
_____	$400,001-$500,000
_____	$325,001-$400,000
_____	$275,001-$325,000
__X__	$175,001-$275,000
_____	$175,000 or Less

There are times when the District spends all of the grant money and has loan money remaining. When this happens, the district makes a loan offer in the amount of the requested grant to the communities that were not funded. The offers are made in the order of scoring. We need to know if you are not successful in obtaining grant dollars for your project if you would be interested in loan money:

YES _X____ NO_____
(This will only be considered if you are not funded with grant money and there is remaining loan money.) **Please note: if you answer "no" you will not be contacted, only if you answer "yes" will an offer be made in the event that there is loan money remaining.**

7. If the proposed project is funded, will its completion directly result in the creation of permanent full-time equivalent (FTE) jobs (FTE jobs shall be defined as 35 hours/week) ? Yes ___ No _X__. If yes, how many jobs within eighteen months? __ Will the completed project retain jobs that would otherwise be permanently lost? Yes ___ No _X__. If yes, how many jobs ____ **will be created/retrained** within 18 months **following the completion of the improvements**?

ORC Reference(s): 164.14(E)(3);164.14(E)(10)

(Supporting documentation in the form of letter from affected industrial or commercial enterprises that specify full time equivlent jobs that will be retained or created directly by the installation or improvement of Public infrastructure. Additional items such as; 1) newspaper articles or other media news accounts, 2) public meeting minutes, and/or 3) a letter from the County Economic Development Director or State of Ohio Economic Development Professional that alludes to the requirement for the infrastructure improvement to support the business. Submittals without supporting documentation will

receive 0 points for this question.)

8. What is the total number of existing users that will directly benefit from the proposed project if completed? 689 (Use households served, traffic counts, etc. and explain the basis by which you arrived at your number.) **ORC Reference 164.14(E)(7); 164.06(B)(10)**

9. Economic Distress Criteria **ORC Reference 164.06(B)(8)**
What is the Local Median Household Income as a percentage of the District Median Household Income? 99.84 %. Please utilize the Economic Distress Scoring Criteria based on ACS 2013-2017 Data provided in Exhibit A.

10. Readiness to Proceed Criteria **ORC Reference 164.06(B)(9); ORC 164.14(E)(5)**
Please categorize the status of planning and design elements for the project.

_____ Plans have not begun yet (0 Points)

X Preliminary Engineering Complete (1 Point)

_____ Final Design Complete (2 Points)

11. Base Score Total for Questions 1-10= 81

12. County Subcommittee Priority Points= _____
(25-20-15 Points for each of the SCIP and LTIP Project Categories)

13. DISCRETIONARY POINTS (BY DISTRICT COMMITTEE ONLY)

13a. A **District Discretionary Point** may be awarded to projects that demonstrate significant Area-wide, County, or Community Impact. (Include documentation to support the claim of significance) (Maximum of 1 Point at the discretion of the District Executive Committee) _____

ORC Reference 164.14(E)(7)

13b. A **District Discretionary Point** may be awarded to projects that demonstrate that the entity has maximized local financial resources including assessments. Provide a Fund Status Report and/or the water and sanitary waste utility rate structures are at least 2.5% of area median household income for combined systems and 1.5% of the area median household income for water and sanitary only systems. Please provide rate ordinances for water and sanitary sewer to be considered for discretionary points. (Maximum of 1 Point at the discretion of the District 5 Executive Committee)_____ **ORC Reference 164.06(B)(3)**

14. **Grand Total of Points** _____

15. Is subdivision's population less than 5,000 Yes X_ No ___ If yes, continue. You may want to design your project per Small Government Project Evaluation Criteria, released for the current OPWC Round to assist in evaluating your project for potential Small Government Funding. The Small Government Criteria is available on the OPWC website at https://www.pwc.ohio.gov/Portals/0/Data/SmallGovernment%20Round%2035%20Methodology.pdf?ver=2019-08-07-071749-143

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16. **OHIO PUBLIC WORKS COMMISSION SMALL GOVERNMENT PROGRAM GUIDELINES**

All projects that are sponsored by a subdivision with a population of 5,000 or less, and not earning enough points for District Funding from SCIP or LTIP Funds, are then rated using the Small Government Program Rating Criteria for the corresponding funding round. In order to be rated the entity must submit the Small Government Suppliment and their required budgets with their application. **Only infrastructure that is village- or township- owned is eligible for assistance.** The following policies have been adopted by the Small Government Commission:

- District Integrating Committees may submit up to seven (7) applications for consideration by the Commission. All 7 must be ranked, however, only the top five (5) will be scored. The remaining two (2) will be held as contingency projects should an application be withdrawn.

- Grants are limited to $500,000. Any assistance above that amount must be in the form of a loan.

- Grants for new or expanded infrastructure cannot exceed 50% ofthe project estimate.

- The Commission may deny funding for water and sewer systems that are deemed to be more cost-effective if regionalized.

•If a water or sewer project is determined to be affordable, the project will be offered a loan rather than a grant. Pay special attention to the **Water & Wastewater Affordability Supplemental and the Small Government Water & Wastewater Affordability Calculation Worksheet. Both are available on the Small Government Program Tab at https://www.pwc.ohio.gov/Programs/Infrastructure-Programs/Small-Government**

•Should there be more projects that meet the "annual score" than there is funding, the tie breaker is those projects which scored highest under Health & Safety, with the second tie breaker being Condition. If multiple projects have equivalent Health & Safety and Condition scores they are arranged according to the amount of assistance from low to high. Once the funded projects are announced, "contingency protects" may be funded from project under-runs by continuing down the approved project list.

• Supplemental assistance is not provided to projects previously funded by the Commission.

•Applicants have 30 days from receipt of application by OPWC without exception to provide additional documentation to make the application more competitive under the Small Government criteria. Applications will be scored after the 30-day period has expired. The applicants for each District's two (2) contingency projects will have the same 30-day period to submit supplemental information but these applications will not be scored unless necessary to do so. **It is each applicant's responsibility for determining the need for supplemental material. The applicant will not be asked for or notified of missing information unless the Commission has changed the project type and it affects the documentation required. Important information may include, but is not limited to: age of infrastructure, traffic counts or utility users, median income information, user rates ordinances, and the Auditor's Certificate of Estimated Revenues or documentation from the Auditor of State that subdivision is in a state of fiscal emergency.**

If you desire to have your Round 35 project considered for Small Government Funding please download the Small Government Evaluation Criteria applicable to Round 35 by accessing the OPWC Website at https://www.pwc.ohio.gov/Portals/0/Data/SmallGovernment%20Round%2035%20Methodology.pdf?ver=2019-08-07-071749-143

Please complete the Small Government Evaluation Criteria and attach all required supporting documentation and attach it to the District 5 Questionnaire for Round 35.

Date: 09/06/2020

Signature: Michelle Hister

Title: Project Administration Assistant

Address: 1168 North Main Street, Bowling Green, Ohio 43402

Phone: 419-352-7537

FAX: 419-353-0187

Email: histerm@poggemeyer.com

Small Government Commission
Application Checklist

This checklist will help ensure that your application is scored at its best competitive advantage. It will also assist with the timely release of the Project Agreement should your project be funded. This form is for your use only. See various templates and forms in this manual, on the Small Government webpage, and on the Application webpage.

[X] Compliant certified authorizing legislation by applicant's governing body (OPWC Application webpage)

[N/A] Cooperative agreement if multi-jurisdictional (OPWC Application webpage). Road/bridge/culvert projects must include an engineer's statement certifying the percentages of each participating jurisdiction's share of the total project.

[N/A] Compliant Chief Financial Officer's Certification and Loan Letter (OPWC Application webpage)

[X] Funding commitment letters and or documentation for all non-OPWC matching funds

[X] Signed/stamped registered professional engineer's detailed cost estimate including in-kind costs (OPWC Application webpage). If project is a mix of new/expansion and repair/replacement items, engineer must include a percentage break-down by category.

[X] Signed/stamped professional engineer's weighted useful life statement if not submitted with original application (cannot be modified)

[X] Small Government Engineer's Plan Status Certification form (in this manual and on SG webpage)

[X] Clear description of problem and scope of work with appropriate documentation

[X] Source documentation for proof of age with year clearly visible or compliant letter from eligible public official {letter template in this manual}

[X] Project site photos, if appropriate

[X] Map showing project location/site

[N/A] Farmland Preservation Review Letter if any impact to farmland (OPWC Application webpage)

[X] ADT report for Road, Bridge & Culvert Projects
OR
Number of households/EDUs (with calculation) for Water, Wastewater, Storm Water Collection, Solid Waste Projects who directly benefit. If waterline or sewer project with additional benefitted users beyond scope of construction, then also Engineer's study documenting these additional users.

Roads, Bridges/Culverts, Storm Water, Solid Waste Projects Only:

[N/A] Auditor's Certificate of Estimated Resources with line item detail unless applicant in State of Fiscal Emergency; also if Storm Water or Solid Waste project, the fund(s) typically used must be identified {examples in back of this manual}.

[N/A] Low volume road projects that include documentation using ODOT's TIMS System showing a positive Rate of Return is required to maximize points under population.

(Continued on next page)

Water and Wastewater Projects Only:

[X] "Current" water and wastewater rate ordinances/resolutions for all entities providing services unless applicant in State of Fiscal Emergency

[X] Small Government Water & Wastewater Ability & Effort Supplemental form (in this manual and on SG webpage)

Small Government Self-Score

(Input Score in box for each criterion; will total automatically)

Applicant: Village of Elmore - Elevated Tank Rehabilitation

		SCORE
1	**Ability & Effort (Use A or B according to project type)**	
	A. Roads, Bridges/Culverts, Storm Water, Solid Waste Projects ONLY	
	0 2 4 6 8 10	0
	B. Water & Wastewater Projects ONLY	
	Calculated by Administrator	N/A
2	**Health & Safety (Use A or B according to project type)**	
	A. Road, Bridge, Culvert	
	0 2 4 6 8 10	0
	B. Water, Wastewater, Storm Water, Solid Waste	
	0 2 4 6 8 10	4
3	**Age & Condition**	
	I. Age	
	0 1 2 3 4 5	2
	II. Condition	
	1 2 3 4 5	3
4	**Leveraging Ratio**	
	0 1 2 3 4 5 6 7 8 9 10	0
5	**Population Benefit**	
	0 1 2 3 4 5	5
6	**District Priority Ranking** - Completed by Administrator	N/A
7	**OPWC Funds Requested**	
	0 5 10	5
8	**Loan Request** (Default 0 points if no loan requsted)	
	1 5 10	10
9	**Useful Life**	
	1 2 3 4 5	4
10	**Median Household Income**	
	2 4 6 8 10	4
11	**Readiness to Proceed**	
	I. Status of Plans	
	0 2 5	2
	II. Status of Funding	
	0 3 5	5
	TOTAL	**44**

Ohio Public Works Commission

Small Government Capital Improvements Program

FY 22 / Round 35 Methodology - Rating Scales

(July 1, 2021 Agreement Release)

Approved July 23, 2020

Ohio Public Works Commission
65 East State Street, Suite 312
Columbus, Ohio 43215
http://www.pwc.ohio.gov

Complete and compliant support documentation must be provided for a criterion to be awarded points. See Applicant Manual for more information.

1. **Ability and Effort of the Applicant to Finance the Project** (Maximum 10 points)

   A. Roads, Bridges/Culverts, Storm Water, Solid Waste Projects Only – "Auditor's Certificate of Estimated Resources" showing fund detail, as provided in ORC sections 5705.35 and 5705.36 is used to determine potential financial resources available for the project. Score is based on the project's total cost as a percentage of financial resources.

      0 Total project cost represents 0 to 20% of subdivision's total combined funds legally eligible for infrastructure type

      2 Total project cost represents 21 to 40% of subdivision's total combined funds legally eligible for infrastructure type

      4 Total project cost represents 41 to 60% of subdivision's total combined funds legally eligible for infrastructure type

      6 Total project cost represents 61 to 80% of subdivision's total combined funds legally eligible for infrastructure type

      8 Total project cost represents 81 to 100% of subdivision's total combined funds legally eligible for infrastructure type

      10 Total project cost exceeds 100% of subdivision's total combined funds legally eligible for infrastructure type, or subdivision is in fiscal emergency

   B. Water and Wastewater Projects Only – Determined by SG Administrator according to the Water & Wastewater Ability & Effort calculation described in Applicants Manual. Information is obtained from both water and wastewater rate ordinances, Small Government Water & Wastewater Ability & Effort Supplemental, and data from the *U.S. Census Bureau*. Points are provided for the hours worked to pay for water and wastewater services according to the highest of two variances as a percentage above or below State Averages: weighted average of household income or percentage of households making less than $25,000.

      0 More than 50% above state average
      2 25.1% - 50% above state average
      4 0 - 25% above state average
      6 0.1% - 25% below state average
      8 25.1% to 50% below state average
      10 More than 50% below state average

2. **Importance of Project to Health and Safety of Citizens** – Score is assigned according to the application project description and any pertinent supplemental documentation. (Maximum 10 points)

   A. Road, Bridge, Culvert

      0 New infrastructure to meet future or projected needs

      2 New infrastructure to meet current needs; Roadway surface paving less than 2 inches; Bridges with General Appraisal of 6 or above or with a Sufficiency Rating of 81-100

4 Roadway surface paving equal to or greater than 2 inches with/without milling; Replace or install signal where warranted; Bridges with a General Appraisal of 5 or Sufficiency Rating of 66-80; Culvert replacement with no associated damage

6 Road widening to add paved shoulders or for safe passage, and/or roadway paving with full-depth base repair equal to or greater than 5% of roadway surface area; Intersection improvement to add turn lanes or realignment; Bridges with a General Appraisal of 4 or Sufficiency Rating of 51-65; Culverts with inadequate flow capacity

8 Complete roadway full-depth reconstruction (includes removal/replacement of base) or reclamation with/without drainage; Widening to add travel lanes; Intersection improvements to address excessive accident rate and/or inadequate level of service with Crash Reduction Factor ($0.0 < CRF < 0.2$); Bridges with a General Appraisal of 3 or Sufficiency Rating of 26-50; Culverts with inadequate flow capacity and property damage (i.e. flooding)

10 Complete roadway reconstruction or reclamation with/without drainage with widening to add travel lanes; Intersection improvement to address excessive accident rate and/or inadequate level of service with Crash Reduction Factor ($CRF >= 0.2$); Bridges with General Appraisal of 2 or less, or Sufficiency Rating of less than 26; Culverts that are structurally deficient

B. Water, Wastewater, Storm Water, Solid Waste

0 Infrastructure to meet future or projected needs

2 Expanded infrastructure to meet specific development proposal

4 Infrastructure to meet current needs; Update processes to improve effluent or water quality; To remain in compliance with permit due to increased standards; Increase storm sewer capacity in which there is no associated land damage; Increase sanitary sewer capacity; Replace water meters as part of an upgrade

6 OEPA recommendations; District health board recommendations; Increase storm sewer capacity that has associated land damage; Replace undersized waterlines as part of upgrade; Install new meters or replace meters that have exceeded useful life

8 Replacement of storm or sanitary sewers due to chronic flooding, back-up, or property damage; Inflow and/or Infiltration; Inadequate capacity to maintain pressure required for fire flows; Replacement of waterlines or towers due to excessive corrosion

10 OEPA Findings & Orders, OEPA orders contained in permit, Consent Decree or Court Order; Structural separations (CSOs)Age and Condition of System to be repaired or replaced. This is a two-part criterion. (Maximum 10 points)

3. **Age & Condition of System to be repaired or replaced**

Part I – Age: This uses provided documentation for existing infrastructure. Documentation pertains to source documentation or from a compliant letter written by an eligible local official who can vouch for the time period during his/her term in office. If no documentation the default score is 1 point. (Maximum 5 points)

Life	20	30	50
Project Type / Points	Road	Wastewater	Bridge/Culvert. Sanitary Sewer, Water, Storm Water, Solid Waste
0	New / Expansion	New / Expansion	New / Expansion
1	2015-2020	2012-2020	2005-2020
2	2010-2014	2005-2011	1994-2004
3	2005-2009	1997-2004	1982-1993
4	2000-2004	1990-1996	1970-1981
5	1999 or before	1989 or before	1969 or before

Part II – Condition (Maximum 5 points)

1 New/Expansion: New or expansion project components represent at least 50% of improvements

2 Expansion: New or expansion project components represent between 25% and 49% of improvements

3 Poor: Infrastructure requires repair to continue functioning as originally intended and/or upgrade to meet current design standards.

4 Critical: Infrastructure requires replacement to continue functioning as originally intended.

5 Failed: Not functioning

4. **Leveraging Ratio** – Local and all non-OPWC funding sources as a percentage of total funding. (Maximum 10 points)

	Repair/Replacement (Poor/Critical/Failed in Criterion 3)	New/Expansion (New/Expansion &/or Expansion in Criterion 3)
0	10 or less	50 or less
1	11-15	51-55
2	16-20	56-60
3	21-25	61-65
4	26-30	66-70
5	31-35	71-75
6	36-40	76-80
7	41-45	81-85
8	46-50	86-90
9	51-55	91-95
10	56 or more	96 or more

5. **Population Benefit** – Number of those to benefit directly from the improvement as a percentage of applicant's total population. (Maximum 5 points)

0	10% or less
1	25% - 11%
2	35% - 26%
3	45% - 36%
4	55% - 46%
5	56% or more

6. **District Priority Ranking as provided by District** (Maximum 10 points)

6	5th ranked district project
7	4th ranked district project
8	3rd ranked district project
9	2nd ranked district project
10	1st ranked district project

7. **Amount of OPWC funding requested** (Maximum 10 points)

0	$500,000 or more
5	$250,000 - $499,999
10	249,999 or less

8. **Loan Request as a percentage of OPWC assistance** (Maximum 10 points)

1	15 - 29% of OPWC assistance
5	30 - 49% of OPWC assistance
10	50 - 100% of OPWC assistance

9. **Useful Life of Project** – Taken from engineer's useful life statement. (Maximum 5 points)

1	7 - 9 years
2	10 - 14 years
3	15 - 19 years
4	20 - 24 years
5	25 years or more

10. **Median Household Income** – Applicant's MHI as a percentage of the statewide MHI. Information derived from the most recent 5-year American Community Survey as published by the Ohio Development Services Agency. (Maximum 10 points)

2	110% or more
4	100% - 109%
6	90% - 99%
8	80% – 89%
10	79% or less

11. Readiness to Proceed (Maximum 10 points)

Part I – Status of Plans – This uses the Small Government Commission's Engineer's Plan Status Certification. (Maximum 5 points)

0	Plans not yet begun
2	Surveying through Preliminary Design Completed (Items A-C)
5	Surveying through final construction plans, and secured permits and right-of-way as appropriate (Items A-H)

Part II – Status of Funding Sources – This uses source documentation including CFO certifications and loan letters. (Maximum 5 points)

0	All funds not yet committed
3	Applications submitted to funding entities
5	All funding committed

Small Government Commission
Engineer's Plan Status Certification
Required for Criterion No. 11, Part I

Applicant: Village of Elmore

District No.: 5

Project Name: Elevated Tank Rehabilitation

	Item	Necessary for project?		Status	Completion Date
Met Completion dates for Items A – C below (2 points)					
A	Surveying	Y ☐	N/A √	N/A	
B	R/W Acquisition Identified	Y ☐	N/A √	N/A	
C	Preliminary Design	Y √	N/A ☐	COMPLETED (tank inspection report)	12/19/2019
Met Completion dates for Items D – I below (5 points)					
3 D	Final Construction Plans	Y √	N/A ☐	COMPLETED – specifications only, no plans associated with this project (see Proof of Design)	09/10/2020
E	Bid Documents	Y √	N/A ☐	IN PROCESS	05/01/2021
F	Permit to Install Issued	Y ☐	N/A √	N/A not required	
G	NPDES Issued	Y ☐	N/A √	N/A	
H	Other Permits Issued	Y ☐	N/A √	N/A	
I	Executed Right of Way Option or Agreement	Y ☐	N/A √	N/A	

I hereby certify that the information above is true and correct to the best of my knowledge and belief.

Jack A. Jones, P.E.
Engineer's Printed Name

Jack A. Jones
Engineer's Signature

4/8/20
Date

STATE OF OHIO
JACK A. JONES
E-41523
REGISTERED
PROFESSIONAL ENGINEER

Engineer's Stamp/Seal

Small Government Commission
Water & Wastewater Ability & Effort Supplemental
(This form must be completed and submitted for all Water and Wastewater applications)

Applicant: **Village of Elmore – Elevated Tank Rehabilitation**

System Users – The Small Government Commission will use households from the most recent decennial Census of Population and Housing unless a system-generated user report for inside users is provided or Equivalent Dwelling Units (provide calculation if using EDUs).

689

Usage – The Small Government Commission will assume 4,500 gallons per month unless a system-generated usage report is provided proving higher consumption.

4500

Rates – Provide both water and wastewater rates, and any surcharges. Attach all relevant ordinances/resolutions showing the effective dates and rate tables. If service is supplied by a different entity the applicant must provide the same information as if it were supplying the service. Calculation of rates must be clear as supported by ordinance or resolution. Calculation must be for rates in effect and in active billing by December 2020; approved rates for a future date will not be accepted (see exception for new systems in Applicants Manual).

WATER

Billing Period:	Monthly	X	Quarterly		Other	
Unit of Measurement:	Gallons		Cubic Feet	X	Flat Rate	

Base Charge	$ 9.81	0 to 200 cubic feet
Second Increment	$ 15.92	$.03965 per cubic feet next 600
Additional Increments	$	$ per unit from Y to Z
Additional Increments	$	
Surcharges	$	
TOTAL	$ 25.73	

WASTEWATER

Billing Period:	Monthly	X	Quarterly		Other	
Unit of Measurement:	Gallons		Cubic Feet	X	Flat Rate	

Base Charge	$ 12.58	0 to 200 cubic feet
Second Increment	$ 16.39	$.04083 per cubic feet next 600 cubic feet
Additional Increments	$	$ per unit from Y to Z
Additional Increments	$	
Surcharges	$	
TOTAL	$ 28.97	

SMALL GOVERNMENT COMMMISION USE ONLY

Water

Wastewater

Determination

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Ottawa County GIS

Notes

Vicinity Map

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Ottawa County GIS

Notes

Project Location Map