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**BRAMHALL**  
ENGINEERING &  
SURVEYING COMPANY

September 7, 2018

Mr. Steve Poggiali  
Director  
Erie County Regional Planning  
2900 Columbus Avenue  
Sandusky, Ohio 44870

Re: Liberty Avenue Waterline Replacement Project  
City of Vermilion, Ohio

Dear Mr. Poggiali:

On behalf of the City of Vermilion, we respectfully submit this year's Ohio Public Works Commission Round 33 SCIP Application to you for the above referenced project. The application was prepared according to our understanding of the project.

The Resolution authorizing the Mayor to submit an application to the Ohio Public Works Commission will be forwarded to your office on September 11th, after the next City Council Meeting on September 10<sup>th</sup>.

If we can be of further assistance in this matter, please contact me.

Respectfully,

BRAMHALL ENGINEERING AND SURVEYING COMPANY  
City of Vermilion Consulting Engineers

Christopher L. Howard, P.E., CPESC  
City Engineer

Cc: Mayor Jim Forthofer  
Tony Valerius, Director of Public Services



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: City of Vermilion Subdivision Code: 043-79716

District Number: 5 County: Erie Date: 09/07/2018

Contact: Tony Valerius Phone: (440) 204-2424  
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: tvalerius@vermilion.net FAX: (440) 204-2411

**Project**

Project Name: Liberty Avenue Waterline Replacement Zip Code: 44089

Subdivision Type	Project Type	Funding Request Summary	
<small>(Select one)</small>	<small>(Select single largest component by \$)</small>	<small>(Automatically populates from page 2)</small>	
<input type="checkbox"/> 1. County	<input type="checkbox"/> 1. Road	Total Project Cost:	<u>748,843 .00</u>
<input checked="" type="checkbox"/> 2. City	<input type="checkbox"/> 2. Bridge/Culvert	1. Grant:	<u>275,000 .00</u>
<input type="checkbox"/> 3. Township	<input checked="" type="checkbox"/> 3. Water Supply	2. Loan:	<u>0 .00</u>
<input type="checkbox"/> 4. Village	<input type="checkbox"/> 4. Wastewater	3. Loan Assistance/ Credit Enhancement:	<u>0 .00</u>
<input type="checkbox"/> 5. Water (6119 Water District)	<input type="checkbox"/> 5. Solid Waste	Funding Requested:	<u>275,000 .00</u>
	<input type="checkbox"/> 6. Stormwater		

**District Recommendation** (To be completed by the District Committee)

Funding Type Requested	SCIP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
<small>(Select one)</small>		
<input type="checkbox"/> State Capital Improvement Program	RLP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
<input type="checkbox"/> Local Transportation Improvement Program	Grant:	Amount: _____ .00
<input type="checkbox"/> Revolving Loan Program	LTIP:	Amount: _____ .00
<input type="checkbox"/> Small Government Program	Loan Assistance / Credit Enhancement:	Amount: _____ .00
District SG Priority: _____		

**For OPWC Use Only**

STATUS: _____	Grant Amount: _____ .00	Loan Type: <input type="checkbox"/> SCIP <input type="checkbox"/> RLP
Project Number: _____	Loan Amount: _____ .00	Date Construction End: _____
_____	Total Funding: _____ .00	Date Maturity: _____
Release Date: _____	Local Participation: _____ %	Rate: _____ %
OPWC Approval: _____	OPWC Participation: _____ %	Term: _____ Yrs

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

1.1 Project Estimated Costs

Engineering Services

Preliminary Design:	_____	0 .00	
Final Design:	_____	57,526 .00	
Construction Administration:	_____	57,526 .00	
Total Engineering Services:	a.) _____	115,052 .00	20 %
Right of Way:	b.) _____	.00	
Construction:	c.) _____	575,265 .00	
Materials Purchased Directly:	d.) _____	0 .00	
Permits, Advertising, Legal:	e.) _____	1,000 .00	
Construction Contingencies:	f.) _____	57,526 .00	10 %
Total Estimated Costs:	g.) _____	748,843 .00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.) _____	.00	
Local Revenues:	b.) _____	473,843 .00	
Other Public Revenues:	c.) _____	.00	
ODOT / FHWA PID: _____	d.) _____	.00	
USDA Rural Development:	e.) _____	.00	
OEPA / OWDA:	f.) _____	.00	
CDBG:	g.) _____	.00	
<input type="checkbox"/> County Entitlement or Community Dev. "Formula"			
<input type="checkbox"/> Department of Development			
Other: _____	h.) _____	.00	
Subtotal Local Resources:	i.) _____	473,843 .00	63 %

OPWC Funds (Check all requested and enter Amount)

Grant: <u>100</u> % of OPWC Funds	j.) _____	275,000 .00	
Loan: <u>0</u> % of OPWC Funds	k.) _____	.00	
Loan Assistance / Credit Enhancement:	l.) _____	0 .00	
Subtotal OPWC Funds:	m.) _____	275,000 .00	37 %
Total Financial Resources:	n.) _____	748,843 .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: 748,843 .00 100 %  
2.2 Total Portion of Project New / Expansion: 0 .00 0 %  
2.3 Total Project: 748,843 .00 100 %

A Farmland Preservation letter is required for any impact to farmland

### 3.0 Project Schedule

3.1 Engineering / Design / Right of Way Begin Date: 01/01/2019 End Date: 06/01/2019  
3.2 Bid Advertisement and Award Begin Date: 07/01/2019 End Date: 09/01/2019  
3.3 Construction Begin Date: 09/01/2019 End Date: 12/30/2019

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: 25 Years Age: 1955 (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 \$ 44.62 Proposed \$ \_\_\_\_\_

Number of households served: 900

Residential Wastewater Rate Current \$ \_\_\_\_\_ Proposed \$ \_\_\_\_\_

Number of households served: \_\_\_\_\_

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 Project is located in the City of Vermilion, County of Erie, and along Liberty Ave. The project will begin at Adams Street (West Terminus) and continues east to Decatur Street (East Terminus). The project also includes 300 LF of Adams Street.

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

Liberty Avenue is currently being serviced by a 6" waterline on the south side of the road for approximately 2,400 LF before following the Railroad Tracks towards Old Lake Road and connecting to Decatur Street. The City of Vermilion will replace and upsize to a 12" waterline. The existing line will be abandoned in place and any water services will be reconnected to the new main. The waterline will be approximately 2,480 LF 12" C909. Hydrants will be spaced every 300 feet. 150 LF of waterline will be bored under Edson Creek. A portion of the existing 8" Along Adams Street will need to be replaced. The waterline crossing under the Railroad Tracks will be protected in a 16" Steel Casing. Existing Waterline on Old Lake Road will also be replaced. All driveway and roadway pavement will be replaced in kind and all disturbed tree lawns will be regraded and seeded.

- 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.

The project will include the abandoning in place the existing 2,387 LF of 6", Installation of 2,480 LF of 12" C909 Waterline, reconnection of 23 Residential Services, 9 line valves, 12 hydrant assemblies and 600 LF of 8" Waterline. 80 LF of the 8" bored under the railroad tracks and 150 LF of 12" bored under Edson Creek. The project will also include the restoration of 2,800 SY of grass areas/treelawns and 215 SY of asphalt and concrete pavement.

## 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: Jim Forthofer  
Title: Mayor  
Address: 5511 Liberty Avenue  
  
City: Vermilion State: OH Zip: 44089  
Phone: (440) 204-2402  
FAX: (440) 204-2411  
E-Mail: JimForthofer@vermilion.net

### 5.2 Chief Financial Officer (Can not also serve as CEO)

Name: Amy L. Hendricks  
Title: Director of Finance  
Address: 5511 Liberty Avenue  
  
City: Vermilion State: OH Zip: 44089  
Phone: (440) 204-2425  
FAX: (440) 204-2423  
E-Mail: amyhendricks@vermilion.net

### 5.3 Project Manager

Name: Tony Valerius  
Title: Director of Public Services  
Address: 5511 Liberty Avenue  
  
City: Vermilion State: OH Zip: 44089  
Phone: (440) 204-2424  
FAX: (440) 204-2411  
E-Mail: tonyvalerius@vermilion.net

## 6.0 Attachments / Completeness review

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

- 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.
- 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.
- 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-IV, "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.
- 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.**

Jim Forthofer, Mayor

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

\_\_\_\_\_  
Original Signature / Date Signed

Liberty Avenue Waterline Replacement Project

City of Vermilion, Ohio

Index of Attachments

Authorizing Legislation

Chief Financial Officer's Certification of Local Funds

Detailed Cost Estimate/Useful Life Statement

Project Location Map

Project Narrative

City of Vermilion 25-Year Water Main Replacement Program

Ohio EPA Letter Regarding Partial Resolution of Violation

District 5 Capital Improvement Projects Questionnaire Round 33



RECORD OF RESOLUTIONS

RESOLUTION NO. 2018R-9

ADOPTED: 9-10-18

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

WHEREAS, the City of Vermilion of Lorain and Erie County, Ohio met this 10th day of September 10, 2018, in regular session with the following members present:

- John Gabriel, Ward One
- Frank Loucka, Ward Two
- Steve Holovacs, Ward Three
- Barb Brady, Ward Four
- Brian Holmes, Ward Five
- Monica Stark, Council at Large
- Steve Herron, Council President

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 City of Vermilion is planning to make capital improvements to the Liberty Avenue Water Main Project (Adams Street to Decatur Street); and

WHEREAS, the infrastructure improvement herein above described is considered to be a priority need for the community and is a qualified project under the OPWC programs,

BE IT RESOLVED by the Council of the City of Vermilion, Counties of Erie and Lorain, State of Ohio:

SECTION 1: That the Mayor of the City of Vermilion, Ohio is hereby authorized to apply to the OPWC for funds as described above; and

SECTION 2: That the Mayor is further authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance; and

THAT, this City of Vermilion hereby finds and determines that all formal actions relative to the adoption of this Resolution were taken in an open meeting of this Board; and that all deliberations of this Board and of its committees, if any, which resulted in formal action, were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22 of the Revised Code.

WHEREFORE, this Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health, safety, and welfare for the further reason that the City needs to apply and pursue all grants available; wherefore this Resolution shall be in full force and effect from and immediately after its passage and approval by the Mayor.

PASSED: 9/10, 2018

ATTEST: 9-10, 2018

APPROVED: 9-11, 2018

*Steve Herron*  
 Steve Herron, President of Council  
*Gwen Fisher*  
 Gwen Fisher, Clerk of Council  
*Jim Forthofer*  
 Jim Forthofer, Mayor

Mr. Frank Loucka introduced the following Resolution and moved its adoption; Mr. Steve Holovacs seconded the motion for the adoption of said Resolution; and the roll call being called upon its adoption, the voted resulted as follows:

Roll Call: 6 Yeas  
 Adopted: 9-10-2018



# THE CITY OF VERMILION



James Forthofer, Mayor

## CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS / LOAN REPAYMENT LETTER

September 7, 2018

I, Amy Hendricks, Finance Director of the City of Vermilion, hereby certify that the City of Vermilion has the amount of \$473,843 in the Water Fund (601) and that this amount will be used to pay the local share for the Liberty Avenue Waterline Project when it is required.

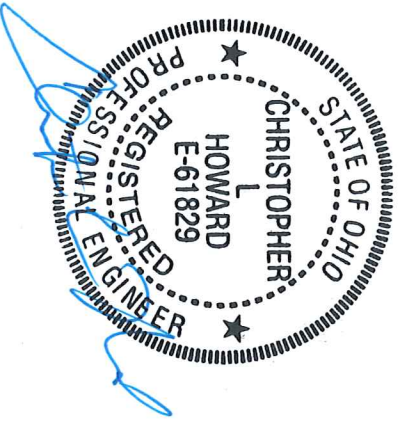
Amy L. Hendricks  
Finance Director  
City of Vermilion, Ohio  
5511 Liberty Avenue  
Vermilion, Ohio 44089  
Phone: (440) 204-2425  
Fax: (440) 204-2423  
E-mail: amyhendricks@vermilion.net



LINE ITEM	ODOT ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	TOTAL UNIT COST	TOTAL COST
<b>SITE PREPARATION</b>						
1	201	CLEARING AND GRUBBING	1	ACRES	\$ 2,500.00	\$ 2,500.00
2	SPEC	EXISTING 6" ABANDONED IN PLACE (FILLED WITH LSM AND PLUGGED)	2387	L.F.	\$ 5.00	\$ 11,935.00
3	202	EXISTING HYDRANT REMOVED AND DISPOSED OFFSITE	1	EA.	\$ 1,500.00	\$ 1,500.00
<b>SITE PREPARATION SUBTOTAL</b>						<b>\$ 15,935.00</b>
<b>ROADWAY</b>						
4	204	SUBGRADE COMPACTION (INCL. PROOF ROLL)	215	S.Y.	\$ 2.00	\$ 430.00
5	304	LIMESTONE AGGREGATE BASE T=8"	45	C.Y.	\$ 65.00	\$ 2,925.00
6	301	ASPHALT CONCRETE BASE T=6"	33	C.Y.	\$ 180.00	\$ 5,940.00
7	441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), T=1 3/4" TACK COAT FOR INTERMEDIATE AND SURFACE COURSE, TRACKLESS (0.06 GAL/SQ.YD AVERAGE)	10	C.Y.	\$ 160.00	\$ 1,600.00
8	407	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), T=1 1/4"	24	GAL	\$ 15.00	\$ 360.00
9	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), T=1 1/4"	7	C.Y.	\$ 175.00	\$ 1,225.00
10	304	LIMESTONE AGGREGATE BASE T=4" (FOR DRIVEWAY REPLACEMENT)	2	C.Y.	\$ 65.00	\$ 130.00
11	452	NON-REINFORCED CONCRETE PAVEMENT, T=6" (FOR DRIVEWAY REPLACEMENT)	15	S.Y.	\$ 50.00	\$ 750.00
<b>ROADWAY SUBTOTAL</b>						<b>\$ 13,360.00</b>
<b>WATERLINE</b>						
12	638	12" C-909 WATERLINE (INCL. EXCAVATION, BEDDING, PREMIUM BACKFILL, BENDS AND FITTINGS AND COUPLING CONNECTIONS)	2480	L.F.	\$ 85.00	\$ 210,800.00
13	638	8" C-909 WATERLINE (INCL. EXCAVATION, BEDDING, PREMIUM BACKFILL, BENDS, FITTINGS AND COUPLING CONNECTIONS)	600	L.F.	\$ 60.00	\$ 36,000.00
14	638	12" C-909 WATERLINE BORED IN 24" STEEL CASING (INCL. EXCAVATION, BEDDING, PREMIUM BACKFILL, BENDS & FITTINGS, BORING PITS AND COUPLING CONNECTIONS)	150	L.F.	\$ 300.00	\$ 45,000.00
15	638	8" C-909 WATERLINE BORED IN 16" STEEL CASING (INCL. EXCAVATION, BEDDING, PREMIUM BACKFILL, BENDS & FITTINGS, BORING PITS AND COUPLING CONNECTIONS)	80	L.F.	\$ 250.00	\$ 20,000.00
16	638	12" LINE VALVE	7	EA.	\$ 2,000.00	\$ 14,000.00
17	638	6" LINE VALVE	2	EA.	\$ 2,000.00	\$ 4,000.00
18	638	12"x12"x8" TAPPING SLEEVE AND VALVE	1	EA.	\$ 1,200.00	\$ 1,200.00
19	638	12"x12"x8" TEE AND VALVE	2	EA.	\$ 1,200.00	\$ 2,400.00

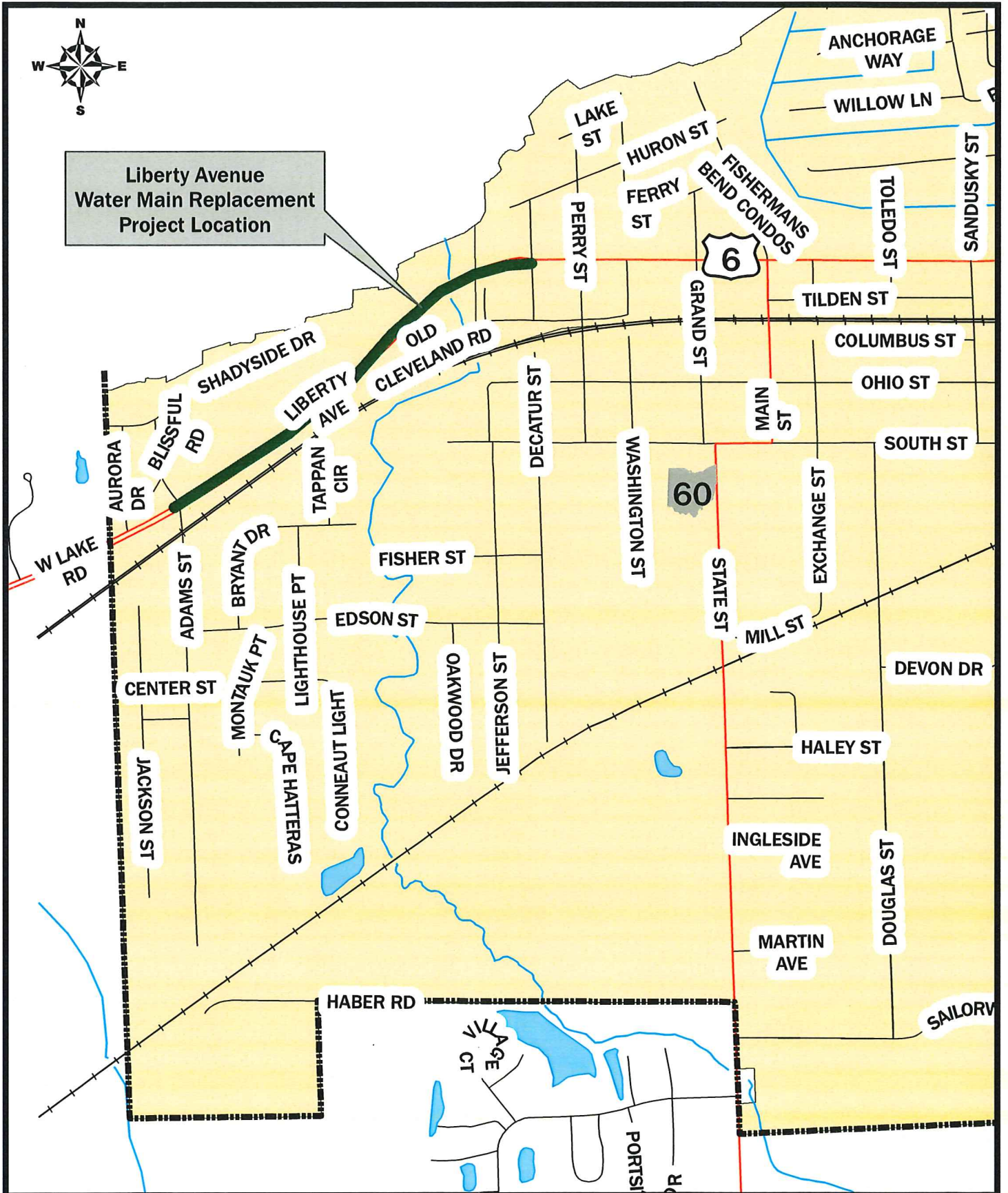
LINE ITEM	ODOT ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	TOTAL UNIT COST	TOTAL COST
<b>WATERLINE (CONT.)</b>						
20	638	6"x6"x8" TEE AND VALVE	1	EA.	\$ 1,000.00	\$ 1,000.00
21	638	HYDRANT ASSEMBLY	12	EA.	\$ 7,000.00	\$ 84,000.00
22	638	WATER SERVICE LATERALS (INCL. CURB STOP AND BOX)	23	EA.	\$ 3,000.00	\$ 69,000.00
23	638	HYDROSTATIC TESTING	3310	L.F.	\$ 1.00	\$ 3,310.00
<b>WATERLINE SUBTOTAL</b>						<b>\$ 490,710.00</b>
<b>MISCELLANEOUS</b>						
24	624	MOBILIZATION	1	LUMP	\$ 7,500.00	\$ 7,500.00
25	614	MAINTENANCE OF TRAFFIC	1	LUMP	\$ 15,000.00	\$ 15,000.00
26	659	RESTORATION (INCL. TOPSOIL & SEEDING AND MULCHING)	2800	S.Y.	\$ 5.00	\$ 14,000.00
27	608	SIDEWALK REPLACEMENT (COMPLETE IN PLACE)	63	S.F.	\$ 20.00	\$ 1,260.00
28	832	TEMPORARY EROSION CONTROL MEASURES	1	LUMP	\$ 7,500.00	\$ 7,500.00
29	103	PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	1	LUMP	\$ 5,000.00	\$ 5,000.00
30	623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	1	LUMP	\$ 5,000.00	\$ 5,000.00
<b>MISCELLANEOUS SUBTOTAL</b>						<b>\$ 55,260.00</b>
<b>CONSTRUCTION COST SUBTOTAL</b>						<b>\$ 575,265.00</b>
<b>10% CONSTRUCTION CONTINGENCY</b>						<b>\$ 57,526.50</b>
<b>TOTAL CONSTRUCTION COST</b>						<b>\$ 632,791.50</b>

NOTE: 1) THE ESTIMATED USEFUL LIFE OF THE LIBERTY AVENUE WATERLINE REPLACEMENT PROJECT IS 25 YEARS





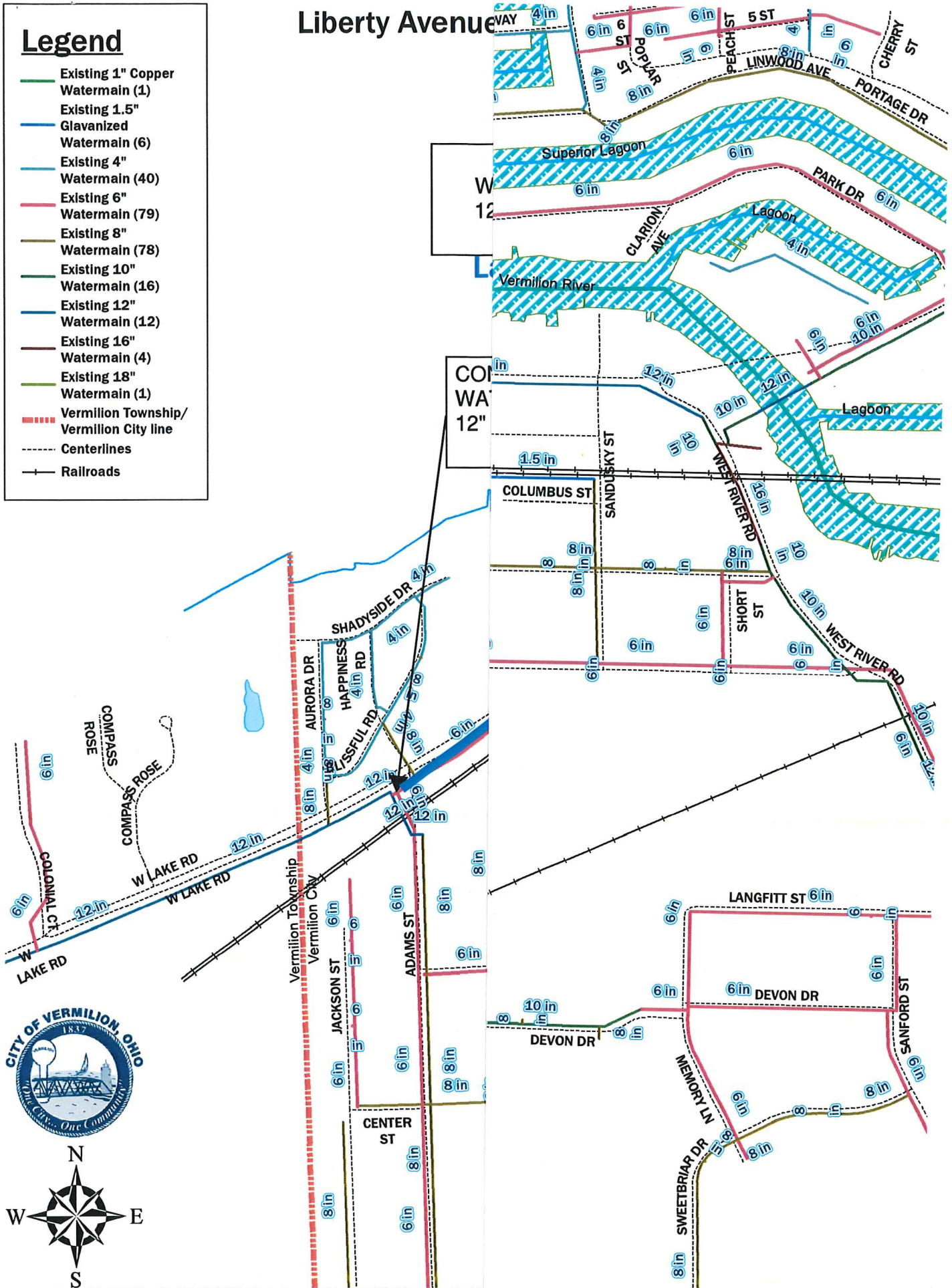
# Liberty Ave Water Main Replacement Project Location Map Vermilion, Ohio



# Legend

- Existing 1" Copper Watermain (1)
- Existing 1.5" Glvanized Watermain (6)
- Existing 4" Watermain (40)
- Existing 6" Watermain (79)
- Existing 8" Watermain (78)
- Existing 10" Watermain (16)
- Existing 12" Watermain (12)
- Existing 16" Watermain (4)
- Existing 18" Watermain (1)
- - - Vermilion Township/ Vermilion City line
- - - Centerlines
- +— Railroads

## Liberty Avenue





## Liberty Avenue Waterline Replacement Project Narrative

Liberty Avenue in the City of Vermilion is located on the West Side of the City in Erie County. Currently there is an existing 6" Waterline that runs along the south side of Liberty Avenue for approximately 2400 linear feet before tying into an existing 4" main along Decatur Street that ties into an existing 12" waterline on Liberty Avenue. At Adams Street, the existing 6" waterline goes under the railroad tracks and ties into the existing 8" that is currently being replaced. (Please see attached maps).

The City of Vermilion has been ordered by the Ohio EPA to resolve pressure problems in the distribution system to allow the City to increase the volume of water stored in the elevated water tower (see letter dated August 15, 2017, attached, starting on Page 3).

The City over the past several years has been reducing the water level in the water tower in order to reduce the frequency of water main breaks. Some parts of Vermilion's water distribution system date back to 1903, and for the past 30 years there has been no plan and little activity associated with replacing deficient water mains. Now that the EPA has intervened, the City has produced a 25-year plan for water main replacements that will address the pressure problems. The 25-year plan approaches the solution by taking into account the water main break history and criticality of the water main to the distribution system, with major distribution lines being addressed early in the process.

As shown in the 25-year Water Main Replacement Program document attached, the Liberty Avenue from Decatur Street to Adams Street is the #2 priority on the list. The top priority project, Highbridge Road is being completed this year and Adams Street will be under construction later this year.

The proposed project will include the abandoning in place of the existing 6" waterline along Liberty Avenue and installing a new 12" C909 Waterline along the southside of Liberty Avenue from Adams Street to Decatur Street.

City of Vermillion  
25-Yr Water Main Replacement Program

Priorities for Water Main Replacements	Size	Length	Mat'l	Unit Price*	Total	2017	2018	2019
Highbridge at Bridge - under contract 2017-18	16"	960	PVC	\$ 245.25	\$ 235,440.00	\$ 47,088		
Liberty Ave - New Main Decatur to Adams	12"	2400	PVC	\$ 195.70	\$ 469,680.00	\$ 46,968	\$ 422,712	
Adams St	8"	2630	PVC	\$ 241.83	\$ 636,000.00		\$ 106,000	\$ 530,000
Main St - Beach Well to Liberty Ave - under construction 2017	var	1300	TBD	\$ 300.00	\$ 390,000.00	\$ 19,500		\$ 39,000
State Street - Eval prior to paving (South St. to RR)	8"	1300	PVC	\$ 185.76	\$ 241,488.00		\$ 12,074	\$ 24,149
Liberty Ave - Eval prior to paving (upsized 8")	12"	2300	PVC	\$ 213.85	\$ 491,855.00			\$ 24,593
Vermillion Rd - 8" line Highbridge to 16"	12"	600	PVC	\$ 220.26	\$ 132,156.00			
W River - 10" Ohio St to RR	12"	700	PVC	\$ 220.26	\$ 154,182.00			
Altamont	8"	1200	PVC	\$ 197.08	\$ 236,496.00			
Haley	8"	3100	PVC	\$ 202.99	\$ 629,269.00			
Decatur	8"	3200	PVC	\$ 209.08	\$ 669,056.00			
Jefferson	8"	2500	PVC	\$ 215.35	\$ 538,375.00			
Portage	8"	4000	PVC	\$ 221.81	\$ 887,240.00			
Guilford	8"	1500	PVC	\$ 228.47	\$ 342,705.00			
Edson	8"	2100	PVC	\$ 235.32	\$ 494,172.00			
Mornington	8"	1200	PVC	\$ 235.32	\$ 282,384.00			
Claremont	8"	1000	PVC	\$ 242.38	\$ 242,380.00			
Delamere	8"	1300	PVC	\$ 249.65	\$ 315,094.00			
Erie	8"	1600	PVC	\$ 257.14	\$ 617,136.00			
Park	8"	1800	PVC	\$ 264.85	\$ 476,730.00			
Aldrich	8"	1300	PVC	\$ 272.80	\$ 354,640.00			
Cummings	8"	1300	PVC	\$ 280.98	\$ 449,568.00			
Devonshire	8"	1600	PVC	\$ 280.98	\$ 449,568.00			
Morton	8"	1600	PVC	\$ 280.98	\$ 449,568.00			
Niagara	8"	1600	PVC	\$ 280.98	\$ 449,568.00			
Edgewater in VOL (2 phases)	8"	6400	PVC	\$ 293.76	\$ 1,880,064.00			
Sanford (2 phases)	8"	4200	PVC	\$ 311.65	\$ 1,308,930.00			
Douglas	8"	3000	PVC	\$ 325.74	\$ 977,220.00			
Essex	8"	1500	PVC	\$ 335.51	\$ 503,265.00			
Fairfax	8"	1600	PVC	\$ 345.57	\$ 552,912.00			
Berkshire	8"	1200	PVC	\$ 345.57	\$ 414,684.00			
		62790			\$ 15,880,994.00	\$ 113,556	\$ 540,786	\$ 617,742

Planning level costs include Engineering & Inspection  
Inflation at 3% per year

S=Study 5%  
D=Design 10%  
C=Construct 85%



City of Vermillion  
25-Yr Water Main Replacement Program

Priorities for Water Main Replacements	2020	2021	2022	2023	2024	2025	2026	2027
Highbridge at Bridge - under contract 2017-18								
Liberty Ave - New Main Decatur to Adams								
Adams St								
Main St - Beach Well to Liberty Ave - under construction 2017	\$ 331,500							
State Street - Eval prior to paving (South St. to RR)	\$ 205,265							
Liberty Ave - Eval prior to paving (upsized 8")	\$ 49,186	\$ 418,077						
Vermillion Rd - 8" line Highbridge to 16"	\$ 6,608	\$ 13,216	\$ 112,333					
W River - 10" Ohio St to RR	\$ 7,709	\$ 15,418	\$ 131,055					
Altamont	\$ 11,825	\$ 23,650	\$ 201,022					
Haley		\$ 31,463	\$ 62,927	\$ 534,879				
Decatur			\$ 33,453	\$ 66,906	\$ 568,698			
Jefferson				\$ 26,919	\$ 53,838	\$ 457,619		
Portage					\$ 44,362	\$ 88,724	\$ 754,154	
Gulford						\$ 17,135	\$ 34,271	\$ 291,299
Edson							\$ 24,709	\$ 49,417
Morrington							\$ 14,119	\$ 28,238
Claremont								\$ 12,119
Delamere								\$ 15,755
Erie								
Park								
Aldrich								
Cummings								
Devonshire								
Morton								
Niagara								
Edgewater in VOL (2 phases)								
Sanford (2 phases)								
Douglas								
Essex								
Fairfax								
Berkshire								
	\$ 612,092	\$ 501,824	\$ 540,789	\$ 628,703	\$ 666,897	\$ 563,478	\$ 827,252	\$ 396,829

Planning level costs include Engineering & Inspection  
 Inflation at 3% per year  
 S=Study 5%  
 D=Design 10%  
 C=Construct 85%

City of Vermillion  
25-Yr Water Main Replacement Program

Priorities for Water Main Replacements	2028	2029	2030	2031	2032	2033	2034	2035
Highbridge at Bridge - under contract 2017-18								
Liberty Ave - New Main Decatur to Adams								
Adams St								
Main St - Beach Well to Liberty Ave - under construction 2017								
State Street - Eval prior to paving (South St. to RR)								
Liberty Ave - Eval prior to paving (upsize 8")								
Vermillion Rd - 8" line Highbridge to 16"								
W River - 10" Ohio St to RR								
Altamont								
Haley								
Decatur								
Jefferson								
Portage								
Guilford								
Edson	\$ 420,046							
Mornington	\$ 240,026							
Claremont	\$ 24,238	\$ 206,023						
Delamere	\$ 31,509	\$ 267,830						
Erie	\$ 19,972	\$ 39,944	\$ 339,524					
Park		\$ 30,857	\$ 61,714	\$ 524,566				
Aldrich			\$ 23,837	\$ 47,673	\$ 405,221			
Cummings			\$ 17,215	\$ 34,431	\$ 292,659			
Devonshire				\$ 17,732	\$ 35,464	\$ 301,444		
Morton					\$ 22,478	\$ 44,957	\$ 382,133	
Niagara					\$ 22,478	\$ 44,957	\$ 382,133	
Edgewater in VOL (2 phases)						\$ 94,003	\$ 188,006	\$ 799,027
Sanford (2 phases)								\$ 65,447
Douglas								
Essex								
Fairfax								
Berkshire								
	\$ 735,792	\$ 544,654	\$ 442,289	\$ 624,401	\$ 778,301	\$ 485,361	\$ 952,272	\$ 864,474

Planning level costs include Engineering & Inspecti  
 Inflation at 3% per year  
 S=Study 5%  
 D=Design 10%  
 C=Construct 85%

City of Vermillion  
25-Yr Water Main Replacement Program

Priorities for Water Main Replacements	2036	2037	2038	2039	2040	2041
Highbridge at Bridge - under contract 2017-18						
Liberty Ave - New Main Decatur to Adams						
Adams St						
Main St - Beach Well to Liberty Ave - under construction 2017						
State Street - Eval prior to paving (South St. to RR)						
Liberty Ave - Eval prior to paving (upsized 8")						
Vermillion Rd - 8" line Highbridge to 16"						
W River - 10" Ohio St to RR						
Altamont						
Halley						
Decatur						
Jefferson						
Portage						
Gulford						
Edson						
Mornington						
Claremont						
Delamere						
Erie						
Park						
Aldrich						
Cummings						
Devonshire						
Morton						
Niagara						
Edgewater in VOL (2 phases)	\$ 799,027					
Sanford (2 phases)	\$ 130,893	\$ 556,295	\$ 556,295			
Douglas		\$ 48,861	\$ 97,722	\$ 830,637		
Essex			\$ 25,163	\$ 50,327	\$ 427,775	
Fairfax				\$ 27,646	\$ 55,291	\$ 469,975
Berkshire	\$ 929,920	\$ 605,156	\$ 679,181	\$ 20,734	\$ 41,468	\$ 352,481
				\$ 929,343	\$ 524,535	\$ 822,457

Planning level costs include Engineering & Inspection  
 Inflation at 3% per year  
 S=Study 5%  
 D=Design 10%  
 C=Construct 85%



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Craig W. Butler, Director

August 15, 2017

Mr. Tony Valerius  
Director of Public Service  
City of Vermillion  
5511 Liberty Avenue  
Vermillion, Ohio 44089

Re: City of Vermillion  
Resolution of Violation (ROV)  
Drinking Water  
Erie County  
PWS ID OH2201511

Subject: Partial Resolution of Violation

Dear Mr. Valerius:

Thank you for the City's responses to the December 6, 2016, and January 31, 2017, Notice of Violation (NOV) letters regarding the limited scope site visits (LSSVs) conducted on August 25, 2016, and January 20, 2016. Mr. Eugene Baker, Operator of Record (ORC), emailed several responses from April through July 2017 documenting actions Vermillion has taken to resolve the significant deficiencies and violations below. I have reviewed all the documentation submitted. This letter will address the status of all outstanding significant deficiencies and violations cited in previous letters.

**Resolved Significant Deficiency**

1. The existing Lake Erie intake is located 1,500 feet from shore in relatively shallow water, making it susceptible to turbulence, high turbidity, frazil ice, zebra mussels and influence by the river outlet into the lake. Several frazil ice issues have occurred in the past, which have restricted or cut off the raw water intake into the water treatment plant. The existing shallow intake location also makes the raw water more susceptible to passing algae blooms and quality issues related to lake turnover. Additionally, the beach well gravity feed flow cannot support plant design during peak usage as the high service pumps exceed raw beach well flow due to changes in lake levels and size of influent pipe.
  - a) The information provided by the City of Vermillion has not been sufficient to resolve the significant deficiency cited above. Therefore, this significant deficiency has not been resolved.
  - b) The City of Vermillion must submit the following information to Ohio EPA by July 1, 2017:
    - An engineering evaluation for the existing Lake Erie intake, which will address intake inspection, intake alternative evaluations and intake preliminary design.
    - A complete list of improvements which are necessary to address the significant deficiency noted in comment 1 above.
    - A schedule for completing the improvements.

Failure to submit the information noted above by July 1, 2017, will result in a violation of OAC Rule 3745-81-60(E). This violation will require public notification and Ohio EPA will establish the schedule for completing the improvements.



On June 30, 2017 Ohio EPA received a copy of an inspection report from Dixon Engineering entitled "Inspection of Sedimentation Basin and Beach Well, Review of the 2017 Dive Inspection of Clearwell #1 and #2 and Intake" (dated June 29, 2017). The report indicated that video of the intake line was recorded and reviewed. The report included a recommendation that zebra mussels should be removed from the pipe; however, no further recommendations were provided.

Ohio EPA conducted a sanitary survey of the City of Vermilion PWS on September 14 and October 13, 2015, and sent a letter regarding the sanitary survey on December 30, 2015. The December 30, 2015, letter originally identified the condition of the existing Lake Erie Intake as a significant deficiency. When the intake was cited as a significant deficiency, the City did not have written agreements with its emergency connections (the City of Lorain and Erie County) and the river intake was not operable. Since that time, the City has finalized written agreements with its emergency connections and has utilized those emergency connections successfully. Additionally, the river intake pump and vault was replaced during 2016 and is now operational.

The City of Vermilion has emergency connections with two neighboring water systems and an auxiliary intake in the Vermilion River. The City did not provide an engineering evaluation of the Lake Erie Intake as required. However, based on the emergency connections and river intake available, the condition of the intake is no longer considered to be a significant deficiency. No further information regarding the intake is currently required.

#### Outstanding Significant Deficiencies

1. Clearwells #1 and #2 are original to the 1903 plant and are located under the existing filters. The brick structure of clearwell #1 is deteriorating. The City does not have any inspection, maintenance or structural records available to indicate that either clearwell is physically intact and will not interfere with the quality of water produced. Failure in either one of the clearwells could lead to unsafe water being produced or no water being available for the customers.
  - a) The information provided by City of Vermilion has not been sufficient to resolve the significant deficiency cited above. Therefore, this significant deficiency has not been resolved.
  - b) The City of Vermilion must submit the following information to Ohio EPA in accordance with the time frames below:
    - Inspection report(s) for clearwells #1 and #2 (must be submitted by September 30, 2017).
    - A complete list of improvements which are needed to restore clearwells #1 and #2 to a reliable and fully functional state such that no part of the facilities could reasonably be expected (given current conditions) to have a high risk of failure over the next 20 years (must be submitted by December 31, 2017).

- A statement from an Ohio Registered Professional Engineer indicating that based upon their analysis of videos, pictures, and inspection reports, the provided list of improvements is all that is needed to accomplish the restored condition described above (must be submitted by December 31, 2017).
- A schedule for completing the improvements (must be submitted by December 31, 2017).

**On June 30, 2017, Ohio EPA received a copy of an inspection report from Dixon Engineering entitled "Inspection of Sedimentation Basin and Beach Well, Review of the 2017 Dive Inspection of Clearwell #1 and #2 and Intake" (dated June 29, 2017). The report included a statement that video of clearwell #1 and #2 taken by a dive contractor was reviewed.**

**This report did not include any other documentation of the inspection of clearwell #1 and clearwell #2 other than the one statement noted above. As specified above, a complete list of improvements, a statement from an Ohio Registered Professional Engineer, and a schedule for completing improvements was also not provided in the report. A complete inspection report with sufficient detail must be submitted by September 30, 2017. The remaining information must be provided by December 31, 2017.**

2. The City of Vermilion currently only utilizes approximately 1/3 of the volume of the elevated tower for finished water storage due to problems with pressure in the distribution system.
  - a) The information provided by the City of Vermilion has not been sufficient to resolve the significant deficiency cited above. Therefore, this significant deficiency has not been resolved.
  - b) The City of Vermilion must resolve pressure problems to allow the City to increase the volume of water stored in the elevated tower to reduce the risk of pressure loss and increase the flexibility in plant operations.
  - c) The City's response dated December 21, 2016, indicates that the City is developing a water main replacement plan. The City status report for the water main replacement program indicates "Starting about one year ago, the water department began systematically raising the water level in the elevated storage tank in order to provide adequate firefighting volume, system pressure and flow. We expect that this resulted in increased frequency of water main breaks..." The status report indicates that the City will gather data to identify water mains in need of replacement. The criticality of the water main segment in the system network will also be evaluated in order to prioritize the sequence for replacement. The City of Vermilion must submit the following information to Ohio EPA by July 1, 2017:
    - A report which identifies the complete scope of distribution system improvements and a list of water main replacements which are necessary to restore the distribution system to a reliable condition while increasing the volume of water stored in the elevated tower.

- A schedule for completing distribution system improvements and water main replacements noted above.

In violation of OAC Rule 37454-81-60(D), this report was not submitted by July 1, 2017, as required. On July 7, 2017, a document titled "Vermillion 25-Y-r Water Main Replacement Program" was emailed to this office.

The provided document included a scheduled list of water main replacements, information about the water mains (size, length, material, etc.), and cost replacement information. No additional information was provided in the document.

Ohio EPA has required the City to resolve pressure problems in the distribution system to allow the City to increase the volume of water stored in the elevated tower. The water main replacement report submittal was intended to address this deficiency by examining how distribution system improvements could resolve pressure problems. The submitted document did not provide any analysis of distribution system improvements and their impact on water tower level adjustments.

Submit a report which identifies the complete scope of distribution system improvements (valves, hydrants, water mains, etc.) and a criticality analysis for water main replacement and any other distribution improvements. The report must demonstrate how the identified distribution system improvements will restore the distribution system to a reliable condition while increasing the volume of water stored in the elevated tower. This report must be submitted by September 30, 2017.

3. During the August 2016 LSSV, it was noted that the City of Vermillion has not completed the recommendations from the Dixon Engineering, "Maintenance Inspection Report for the 1.0 Million Gallon Spheroid Elevated Storage Tank".
  - (a) The 1.0-million-gallon elevated storage tank was inspected on May 1, 2015.
  - (b) There were three recommendations identified in the inspection report 1) Schedule regular cleaning and inspection of the tank by an independent third party as recommended by AWWA, or once every five years, 2) Remove the glandular expansion joint, and replace with a bellows-type joint, 3) Remove the pipe insulation, repair the leak, and reinstall new insulation with an aluminum cover.
  - (c) According to Mr. Baker, there are no current leaks that need to be repaired in the tower stem and water stains noted during the inspection of the tower were from a previously repaired leak. Mr. Baker indicated that the glandular expansion joint will be replaced with a bellows-type joint during the next scheduled tower inspection, which is tentatively scheduled for 2020. The City's December 21, 2016, response committed to a full stem evaluation of the tower during the first quarter of 2017. This evaluation must occur before March 31, 2017, as indicated in your response. Additionally, a report detailing the findings of the stem evaluation and a schedule for performing necessary repairs must be submitted by April 30, 2017.

Mr. Tony Valerius  
August 15, 2017  
Page 5

**On April 25, 2017, Ohio EPA received an e-mail chain from Mr. Baker as a response for this violation. The email chain (with Dixon Engineering) included a recommendation that the insulation not be removed from the stem if there is no current leak and replacement of the glandular joint during the next painting of the tank. The City of Vermilion committed to replacing the glandular joint during the next tower painting, which will be scheduled for 2020. Provide an exact date that this work will be completed. Resolution of this violation requires the work to be completed by the provided date.**

### **Outstanding Violations**

During the September 14 and October 13, 2015, sanitary survey inspection and the August 26, 2016, and January 20, 2017, LSSVs, the following violations of Ohio's safe drinking water laws and rules were observed.

1. The City of Vermilion violated OAC Rule 3745-7-09(A) for failure to implement a method to ensure operations and maintenance records are maintained and can be easily located.
  - (a) During the August 25, 2016, LSSV, the maintenance log was located, however, the City of Vermilion failed to maintain records in accordance with OAC Rule 3745-7-09 (A)(3)(c) and OAC 3745-7-09 (A)(3)(e). As of the January 20, 2017, LSSV, maintenance records are not being maintained in complete accordance with the above rule. Therefore, this violation has not been resolved.

**The City's March 30, 2017, response indicated that the maintenance records have been updated and a system has been created for tracking and routine maintenance. Compliance with this violation will be determined during a future site visit.**

2. The City of Vermilion has not completed the inspection and the evaluation of the integrity of the structure of the whole water treatment plant building including the flocculation basins, sedimentation basins, filter gallery, clearwells, and the area of the high service pumps.
  - (a) OAC Rule 3745-83-01(H)(1) states, "The owner and operator shall ensure that all facilities and equipment necessary for the treatment and distribution of water shall be maintained, at a minimum so as to function as intended."
  - (b) The City of Vermilion is in violation of OAC Rule 3745-83-01(H)(1) for failure to ensure that all facilities and equipment necessary for the treatment and distribution of water shall be maintained, at a minimum so as to function as intended.
  - (c) The City of Vermilion must submit the following information to Ohio EPA by December 1, 2017:
    - Inspection reports for the flocculation basins, sedimentation basins, filter gallery, clearwell #4, and high service pump area.



- A complete list of improvements which are needed to restore the flocculation basins, sedimentation basins, filter gallery, clearwell #4 and the high service pump area to reliable and fully functional state such that no part of the facilities could reasonably be expected (given current conditions) to have a high risk of failure over the next 20 years.
- A statement from an Ohio Registered Professional Engineer indicating that based upon their analysis of videos, pictures and inspection reports, the provided list of improvements is all that is needed to accomplish the restored condition above.
- A schedule for completing the improvements

**Failure to submit the information noted above by December 1, 2017, will result in a violation of OAC Rule 3745-81-60(D) and Ohio EPA will establish the schedule for completing the improvements.**

3. The City of Vermilion received plan approval on December 2, 2015, (Application No. 1042824-WS) for the new Del-Pac Coagulant Transfer Pump and Day Tank; New Caustic Day Tank and Relocation of the Existing Caustic Transfer Pump. OAC Rule 3745-91-08 (G) states, "No person shall construct or install a public water system, or make any substantial change in a public water system...which is not in compliance with plans approved by the Director."
  - (a) The City has completed the installation of the Del-Pac and caustic day tanks and associated transfer pumps.
  - (b) The approved detailed plans indicated that both the Del-Pac and caustic day tanks would be vented to the exterior of the building.
  - (c) During the January 20, 2017, LSSV, it was noted that neither the Del-Pac or caustic day tank were vented to the exterior. Therefore, this violation has not been resolved.

**The City's March 30, 2017, response indicated that the Del-Pac and caustic day tanks have been vented to the outside. Compliance with this violation will be determined during a future site visit.**

4. In accordance with OAC Rule 3745-91-08 (G), "No person shall construct or install a public water system, or make any substantial change in a public water system, as defined in rule 3745-91-01 of the Administrative Code, that is not in accordance with plans approved by the director. Requests for substantial changes from the approved plans shall be made in advance of any construction work that will be affected by such changes..."
  - (a) Recently, the fluoride feed was altered to include one 300 gallon bulk tank (chemical tote), a chemical transfer pump, and one fluoride day tank. Information from previous surveys indicates that fluoride was previously fed from the 35-gallon containers the fluoride was delivered in.

Mr. Tony Valerius  
August 15, 2017  
Page 7

- (b) Plan approval for the original fluoride feed could not be located in Ohio EPA files.
- (c) The alterations to the fluoride feed are considered substantial changes and detailed plans for the alterations must be submitted.

**Plans for a replacement fluoride feed system and pump were received on February 27, 2017 and approved on March 17, 2017. Compliance with this violation will be determined during a future site visit.**

#### **Resolved Violation**

- 5. The north flocculator was evaluated and repaired 15 years ago. The south flocculator was replaced on December 8, 2016.
  - (a) Evaluate the condition of the north flocculator and repair and/or replace the aging flocculator to avoid an interruption in the flocculation process. Interruption in flocculation has the potential to lead to the production of water which is not compliant with the OAC Rule 3745-81-73 (conventional filtration treatment requirements) and potentially unsafe for the City's customers.

**On June 19, 2017, Mr. Baker notified this office that the north flocculator was replaced. Therefore, this violation has been resolved.**

#### **Conclusion**

Ohio EPA requests a meeting as soon as possible with the owners and operators responsible for the Vermillion WTP to discuss the significant deficiencies and violations noted in this and previous letters. This meeting would take place in our office in Bowling Green. I will be in touch shortly to schedule a date and time for the meeting.

Please be advised that violations cited above will continue until the violations have been properly resolved. Failure to comply with Chapter 6109 of the Ohio Revised Code and rules promulgated thereunder may result in an administrative or civil penalty of up to \$25,000 per day for each violation. It is imperative that you return to compliance. If circumstances delay the resolution of violations, the City of Vermillion is requested to submit written correspondence of the steps that will be taken by date certain to attain compliance.

Revised: April 17, 2018

**DISTRICT 5  
CAPITAL IMPROVEMENT PROJECTS  
QUESTIONNAIRE  
ROUND 33**

Name of Applicant: City of Vermilion, Ohio  
Project Title: Liberty Avenue Waterline Replacement

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= \_\_%, replacement B=100%, 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=100% C+D= \_\_%

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.

2. Give the physical condition rating:

Closed or Not Operating: The condition is unusable, dangerous and unsafe. The primary components have failed. The infrastructure is not functioning at all.

**Critical:**

The condition is causing or contributing to a serious non-compliance situation and is threatening the intended design level of service. The infrastructure is functioning at seriously diminished capacity. Imminent failure is anticipated within 18 months. Repair and/or replacement is required to eliminate the critical condition and meet current design standards. **(For Road Projects structural repair items would represent a minimum of 25% of the total Project Cost).**

Poor: The condition is substandard and requires repair/replacement in order to return to the intended level of service and comply with current design standards. Infrastructure contains a major deficiency and is functioning at a diminished capacity.

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.

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.

Excellent: The condition is new, or requires no repair. Or, no supporting documentation has been submitted.

\* **In order to receive points provide supporting documentation (e.g. photos, a narrative, maintenance history, or third party findings) to justifying the rating.**

3. 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, microsurfacing, 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.

\*(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, 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 \_\_\_\_, Major \_\_\_\_, Moderate \_\_\_\_, Minimal \_\_\_\_, No Impact \_\_\_\_. Explain your answer.

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(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.

A.) Amount of Local Funds = \$ 473,843

B.) Total Project Cost = \$ 748,843

RATIO OF LOCAL FUNDS DIVIDED by TOTAL PROJECT COSTS (A/B)= 63 %

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 State Issue II or LTIP Funds, as a percentage of the total project cost.

Grants \_\_\_% Gifts \_\_\_%, Contributions \_\_\_%

Other \_\_\_% (explain) \_\_\_\_\_ , Total 0 %

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.

- \_\_\_\_\_ \$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?**

(Supporting documentation in the form of letter from affected industrial or commercial enterprises that specify full time equivalent 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? 900 + (Use households served, traffic counts, etc. and explain the basis by which you arrived at your number.)

9. Is subdivision's population less than 5,000 Yes \_\_\_ No X

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 <http://www.pwc.state.oh.us/Meth.SG.PDF> If No, skip to Question 11.

#### 10. **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 Supplement 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% of the 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 <http://www.pwc.state.oh.us/SmallGovernment.html>**

- 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 33 project considered for Small Government Funding please download the Small Government Evaluation Criteria applicable to Round 33 by accessing the OPWC Website at <http://www.pwc.state.oh.us/Meth.SG.PDF>. Please complete the Small Government Evaluation Criteria and attach all required supporting documentation and attach it to the District 5 Questionnaire for Round 32.

#### 11. MANDATORY INFORMATION, DISTRICT 5, DISCRETIONARY RANKING POINTS

List all specific user fees: Amount or  
ROAD & BRIDGE PROJECTS: (OHIO REVISED CODE) Percentage

Permissive license fee	4504.02 or 4504.06	<u>\$236,416</u>
	4504.15 or 4504.17	_____
	4504.16 or 4504.171	_____
	4504.172	_____
	4504.18	_____
Special property taxes	5555.48	_____
	5555.49	_____

Municipal Income Tax 1.5%

County Sales Tax 1.0% (Erie)

Others Fire Operating Levy - \$268,930

Fire Capital Levy - \$268,930

Park Levy - \$134,468

(DO NOT INCLUDE SCHOOL TAXES)

SPECIFIC PROJECT AREA INFORMATION.

Median household income \$50,499

Monthly utility rate: Water \$44.02

Sewer \$45.31

Other Stormwater \$5.50

List any special user fees or assessment (be specific)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

POLITICAL SUBDIVISION= City of Vermilion

COUNTY= Erie

DISCRETIONARY POINTS (BY DISTRICT COMMITTEE ONLY)= \_\_\_\_\_

(25-20-15)

Date:

Signature:

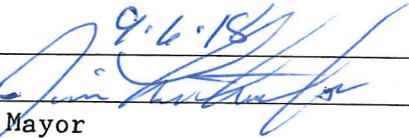
Title:

Address:

Phone:

FAX:

Email:

9.6.18  
  
Mayor

5511 Liberty Avenue, Vermilion, Ohio 44089

440-204-2402

440-204-2411

jimforthofer@vermilion.net