

**PY 2017
ROUND 31**

**SCIP
APPLICATION**

for

CITY OF TROTWOOD, OHIO

WOLF CREEK SANITARY SEWER REPLACEMENT

August 15, 2016

TABLE OF CONTENTS

Wolf Creek Sanitary Sewer Replacement
Trotwood, Ohio
PY2017, Round 31

PY2017 Application for Financial Assistance

Supplemental Questionnaire

Authorizing Legislation

Chief Financial Officer's Certification of Local Funds

Detailed Engineer's Estimate/Useful Life Statement

Additional Support Data

- Vicinity Map
- Project Area Photos
- Sanitary Sewer Plans (reduced copies)

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 Trotwood Subdivision Code: 113-77504

District Number: 4 County: Montgomery Date: 08/11/2015

Contact: Eric Baxter, Operations Manager Phone: (937) 837-1702
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: ebaxter@trotwood.org FAX: (937) 837-1502

Project

Project Name: Wolf Creek Sanitary Sewer Replacement Zip Code: 45426

Subdivision Type	Project Type	Funding Request Summary	
(Select one)	(Select single largest component by \$)	(Automatically populates from page 2)	
<input type="checkbox"/> 1. County	<input type="checkbox"/> 1. Road	Total Project Cost:	<u>756,773</u> .00
<input checked="" type="checkbox"/> 2. City	<input type="checkbox"/> 2. Bridge/Culvert	1. Grant:	<u>567,580</u> .00
<input type="checkbox"/> 3. Township	<input type="checkbox"/> 3. Water Supply	2. Loan:	<u>0</u> .00
<input type="checkbox"/> 4. Village	<input checked="" type="checkbox"/> 4. Wastewater	3. Loan Assistance/ Credit Enhancement:	<u>0</u> .00
<input type="checkbox"/> 5. Water (6119 Water District)	<input type="checkbox"/> 5. Solid Waste	Funding Requested:	<u>567,580</u> .00
	<input type="checkbox"/> 6. Stormwater		

District Recommendation (To be completed by the District Committee)

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

For OPWC Use Only

STATUS	Grant Amount: _____ .00	Loan Type: <input type="checkbox"/> SCIP <input type="checkbox"/> RLP
Project Number: <u>C</u> _____	Loan Amount: _____ .00	Date Construction End: _____
<u>C</u> _____	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:	_____	.00	
Final Design:	_____	.00	
Construction Administration:	_____	.00	
Total Engineering Services:	a.) _____	0 .00	0.0 %
Right of Way:	b.) _____	.00	
Construction:	c.) _____	756,773 .00	
Materials Purchased Directly:	d.) _____	.00	
Permits, Advertising, Legal:	e.) _____	.00	
Construction Contingencies:	f.) _____	.00	0 %
Total Estimated Costs:	g.) _____	756,773 .00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.) _____	.00	
Local Revenues:	b.) _____	189,193 .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.) _____	189,193 .00	25 %

OPWC Funds (Check all requested and enter Amount)

Grant: _____ 100 % of OPWC Funds	j.) _____	\$ 567,580 .00	
Loan: _____ 0 % of OPWC Funds	k.) _____	.00	
Loan Assistance / Credit Enhancement:	l.) _____	0 .00	
Subtotal OPWC Funds:	m.) _____	567,580 .00	75 %
Total Financial Resources:	n.) _____	756,773 .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:	<u>756,773</u> .00	<u>100</u> %	A Farmland Preservation letter is required for any impact to farmland
2.2 Total Portion of Project New / Expansion:	<u>0</u> .00	<u>0</u> %	
2.3 Total Project:	<u>756,773</u> .00	<u>100</u> %	

3.0 Project Schedule

3.1 Engineering / Design / Right of Way	Begin Date: _____	End Date: _____
3.2 Bid Advertisement and Award	Begin Date: <u>08/01/2017</u>	End Date: <u>08/31/2017</u>
3.3 Construction	Begin Date: <u>11/01/2017</u>	End Date: <u>07/30/2018</u>

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: 51 Years Age: 1949 (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 \$ _____ Proposed \$ _____

Number of households served: 0

Residential Wastewater Rate Current \$ _____ Proposed \$ _____

Number of households served: 3,041

Stormwater: Number of households served: 0

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 Wolf Creek Sanitary Sewer Replacement is located in the south central area of the City of Trotwood. Proposed improvements to the sanitary sewer system include areas on south Broadway Avenue, north of Wolf Creek, and south of the intersection of South Broadway Avenue and Main Street. The project continues east along East Main Street to the intersection of South Sunrise Avenue. Please see attached Vicinity Map.

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

Project will eliminate three stream crossings and an inverted syphon. The goal of the project is to improve health/safety of the residents and eliminate having a sanitary sewer line within the banks of the Wolf Creek. The existing alignment crosses Wolf Creek at three locations within the project area. One crossing - an 18-inch trunk sewer- has received emergency repairs but it is cracking and leaking raw sewage into the creek. Removing the crossing will eliminate future health hazards. By eliminating the inverted syphon, the septic situation/odor problems will be corrected.

The existing 18-inch trunk sewer will be abandoned and a new trunk sewer will be replaced on the south side of Wolf Creek. This allows for the separation of flows to the trunk sewer and eliminating the creek crossings and the inverted syphon.

Please note the current OEPA standards would not allow the existing alignment. The proposed alignment does meet correct OEPA standards.

- 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 existing sanitary sewer system consists of two 12-inch diameter stream crossings and one 18-inch diameter stream crossing. The 12-inch crossings are aligned perpendicular to the centerline of the stream, while the 18-inch crossing has considerable skew in its alignment. The existing 18-inch trunk sewer to be abandoned is 1,400 feet, and the replacement trunk sewer will be of equal length. The existing sewers in South Broadway and East Main Street range in size from 8-inch to 12-inch diameter

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: Quincy Pope
Title: City Manager
Address: Municipal Offices
3035 Olive Road
City: Trotwood State: OH Zip: 45426
Phone: (937) 854-7202
FAX: (937) 854-7228
E-Mail: qpope@trotwood.org

5.2 Chief Financial Officer

(Can not also serve as CEO)

Name: Chris Peebles
Title: Finance Director
Address: Municipal Offices
3035 Olive Road
City: Trotwood State: OH Zip: 45426
Phone: (937) 854-7208
FAX: (937) 854-0574
E-Mail: cpeeples@trotwood.org

5.3 Project Manager

Name: Eric Baxter
Title: Operations Manager
Address: Public Works Department
2400 Olive Road
City: Trotwood State: OH Zip: 45426
Phone: (937) 837-1702
FAX: (937) 837-1502
E-Mail: ebaxter@trotwood.org

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.

Quincy Pope, City Manager

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

Original Signature / Date Signed

OHIO PUBLIC WORKS COMMISSION

DISTRICT 4

PY31 Supplemental Questionnaire

Applicant: City of Trotwood

Project Title: Wolf Creek Sanitary Sewer Replacement

Infrastructure Condition:

Check One:

<input type="checkbox"/> New/Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input checked="" type="checkbox"/> Critical	<input type="checkbox"/> Failed
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Please describe condition of existing facility condition being repaired and/or replaced. Attach supporting documentation.

The Trotwood sewer collection system was constructed in the mid 1950's with a useful life of 50-years. The existing sewer collection system is currently 65-years old and has exceeded its useful life. The original function of the existing collection system was to follow Wolf Creek and cross it in several locations. However, over the years the flow in the creek has eroded the creek bed and banks, exposing the pipe. The elements have cracked the pipe causing it to leak raw sewage into Wolf Creek. It is in critical condition, having leaked raw sewage into the creek.

The work is needed to eliminate the creek crossings in the project area to insure the health and safety of the residents that live along Wolf Creek. Locating the new sanitary sewer to a minimum 5 feet beyond the top of the bank meets current OEPA requirements.

Generation of Revenue:

Will new user fees or assessments be assessed as part of this project? (Check One)

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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What will the new user fees or assessments be used for?

N/A

Additional Funding:

Will OPWC match, in part, a committed grant or loan? (Check One)	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If no, was the project submitted to an appropriate agency for funding, but denied due to lack of funding? (Check One)	
<input type="checkbox"/> Yes – Appropriate Documentation Attached	<input checked="" type="checkbox"/> No

Readiness of Project:

Will this project be <u>substantially</u> underway on or before June 1, 2018? (Check One)	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Health & Safety:

Describe the specific health or safety issue being addressed by this project. What deficiency or condition is causing the health or safety issue?
<p>The outcome of this project will include the elimination of three creek crossings, where at one of the crossings the existing sanitary line has been exposed due to erosion of the creek bed. The exposure has led to the sewer line cracking and leaking raw sewage into Wolf Creek. If not replaced the remaining two crossings will ultimately leak as well. The project will also eliminate an inverted syphon that, at times, has gone septic due to low flows, causing both a health and odor problem.</p> <p>This project will improve the health and safety of the local residents by (1) eliminating any potential leaks into Wolf Creek and (2) eliminate an inverted syphon that requires continued maintenance and often causes odor problems.</p> <p>Note that the new sewer will meet current OEPA design standards in two specific areas. One, the new sewer will be a minimum of 5' beyond the top of the bank. Two, the syphon will be eliminated, which are only allowed under extreme conditions.</p> <p>There are two deficiencies/conditions that is causing the health and safety concerns:</p> <p>There are three stream crossings by the existing sewer and one inverted syphon. Once stream crossing required an emergency repair (\$30,000) in 2012. This project will eliminate the risk of future failure of the crossing and the syphon. All four of which do not comply with current design standards.</p>

Addresses District Infrastructure Needs:

Is this project located in more than one community? (Check One)		
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
What percentage of the community will be served by this project? (Check One)		
<input type="checkbox"/> Less than 25%	<input checked="" type="checkbox"/> 25% to 40%	<input type="checkbox"/> More than 40%

Economic Development

How many jobs are being created as a result of this project?	None
How many jobs will be retained as a result of this project?	None
Why is it necessary to fund this improvement to secure this development?	
To assure development (future sewer taps) on upstream, undeveloped land.	
What type of industry is proposed in this development?	
Single and multifamily development.	

Relieve Existing Traffic Congestion:

What is the level of service? (Choose One)	LOS A
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Other Factors

What other factors exist that make this project more important than other like projects?

The Trotwood sanitary sewer collection system was constructed in the mid 1950's. The useful life for this system is 50-years and it has exceeded its useful life by more than 15 years.

Wastewater treatment is provided through Montgomery County Department of Environmental Services. This project will help reduce the amount of Infiltration/Inflow (I/I) in the collection system and trunk sewer leading to the Montgomery County Treatment Plant. The reduced I/I will increase capacity and lower operating costs for Montgomery County sewer department. It also improves the opportunity for future development and job creations not only in Trotwood, but in the Montgomery County service area.

The City of Trotwood completed a Sanitary Sewer Capital Improvement Plan (CIP) in early 2014. The scope of this project was to prioritize identified projects and compiled a five-year plan for the upgrade of the existing sanitary sewer collection system. The sanitary sewer replacement in Wolf Creek was identified as the top priority and therefore the first project to be applied for. The CIP utilized the City of Trotwood Sanitary Sewer Evaluation that the City of Trotwood completed in January, 2009.

Items of Note:

1. This application is a re-submittal from 2014 and 2015.
2. The project aids in protecting the environment. It will prevent future sanitary sewer flows into the creek. Please see photos.
3. This project will reduce infiltration/inflow into the sanitary sewer system, thereby reducing potential downstream sanitary sewer overflows.
4. This project will reduce infiltration/inflow into the Montgomery County WWTP, thereby having a positive regional impact.

Resolution by the City

Note: The next City Council meeting is scheduled for September 6, 2016. A resolution will be completed and approved at that meeting.

CERTIFICATE OF RECORDING OFFICER

by the City

To be provided with the resolution after the September 6, 2016 Council meeting.

WOLF CREEK SANITARY SEWER REPLACEMENT
CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS

As Finance Director for the City of Trotwood, Ohio I hereby certify that a \$189,193.00 will be made available as a local share for the Wolf Creek Sanitary Sewer Replacement Project.

I further certify that although the City Council cannot appropriate funds for future fiscal years, the City should have sufficient capital to undertake this project when funds can lawfully be appropriated.

Note: This document will be signed and submitted after the September 6, 2016 Council meeting.

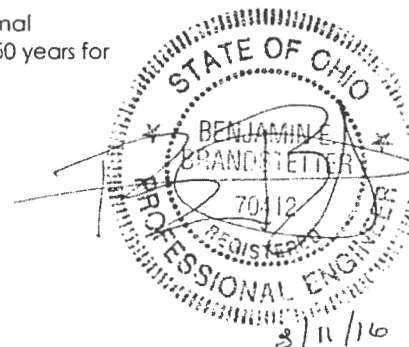
Chris Peeples, Finance Director

Date: 9/7/16

PRELIMINARY OPINION OF PROBABLE COST
WOLF CREEK SANITARY SEWER REPLACEMENT
CITY OF TROTWOOD, OHIO
August 8, 2016
15022

DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL
Mobilization	1	LS @	9,700.00	9,700.00
Clearing and Grubbing	1	LS @	15,000.00	15,000.00
Maintaining Traffic	1	LS @	15,000.00	15,000.00
Pavement Removed	1,200	SY @	10.00	12,000.00
Curb Removed	30	FT @	5.00	150.00
Walk Removed	40	SF @	3.00	120.00
Excavation/Embankment	200	CY @	25.00	5,000.00
Rock Excavation	460	CY @	100.00	46,000.00
Subgrade Compaction	1,200	SY @	2.05	2,460.00
Asphalt Concrete Base	208	CY @	131.00	27,248.00
Aggregate Base	43	CY @	30.00	1,290.00
Asphalt Concrete Surface Course	100	CY @	192.00	19,200.00
Storm Sewer Repair	495	LF @	50.00	24,750.00
Sanitary Sewer Lateral	780	LF @	74.00	57,720.00
Sanitary Sewer	3,384	LF @	68.00	230,112.00
Sanitary Manholes	24	Each @	4,000.00	96,000.00
Sanitary Sewer Cleanouts	2	Each @	800.00	1,600.00
Fill and Abandon Existing Sanitary Sewer	1	LS @	17,000.00	17,000.00
Concrete Walk	50	SF @	10.00	500.00
Combination Curb and Gutter	40	LF @	40.00	1,600.00
Water Service Replaced	781	LF @	25.00	19,525.00
Pavement Markings	1	LS @	4,000.00	4,000.00
Restoration	1	LS @	32,000.00	32,000.00
Dewatering	1	LS @	50,000.00	50,000.00
Sub-Total			\$	687,975.00
Contingencies @ 10%			\$	68,797.50
Total			\$	756,772.50
Round off @				\$756,773.00

This is to certify that this project, upon satisfactory completion and normal environmental conditions, will have a weighted useful life in excess of 50 years for the new sanitary sewer replacement.





VICINITY MAP



**BRANDSTETTER
CARROLL INC**
ARCHITECTS ENGINEERS PLANNERS
308 East 8th Street, Cincinnati, OH 45202
616.5.3.6511.2021 www.brandstettercarroll.com

**SANITARY SEWER LINE REPLACEMENT
IN WOLF CREEK
CITY OF TROTWOOD**

PROJECT PHOTOGRAPHS



Picture shows the 18" diameter trunk sewer exposed in Wolf Creek (looking east).



Picture shows cracked 18" diameter trunk sewer exposed in Wolf Creek (looking east).



Picture shows detail of the cracked 18" diameter trunk sewer exposed in Wolf Creek (looking east).

PROJECT NO. 2013-03
OPWC PROJECT NO. CD18Q



INDEX OF SHEETS

TITLE SHEET	1
SCHEMATIC PLAN	2
GENERAL NOTES	3
PROPOSED SEWER PLAN AND PROFILE	4-7
MAINTENANCE OF TRAFFIC GENERAL NOTES & PLAN	8-13
DETAILS	14-15
STRUCTURE REFERENCE GUIDE	16

PROJECT DESCRIPTION

CONSTRUCT 1,845' OF PROPOSED SANITARY SEWER ON E MAIN ST AND S BROADWAY AVE, AND CONSTRUCT 1,427' OF NEW SANITARY SEWER ALONG SOUTH BANK OF WOLF CREEK IN THE CITY OF TROTWOOD TO ELIMINATE SANITARY SEWER CROSSINGS OF WOLF CREEK.

PROJECT NOTES

THE DISTURBED AREA OF THIS PROJECT IS GREATER THAN 1 ACRE.

ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.

UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764 (TOLL FREE)
GND UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

PLAN PREPARED BY:

DYNOTEC

DIYNOTEC, INC.
10425 Road Number Highway
Channahon, IL 61018
Tel: 815/398-0000 Fax: 815/398-0007

ENGINEER'S SEAL:

[illegible]

APPROVED, *[Signature]*
DATE 1/7/64 DALTON R. HINES
PUBLIC WORKS DIRECTOR

TITLE SHEET

WOLF CREEK SANITARY
SEWER REPLACEMENT

$$\frac{1}{16}$$