



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: Montgomery County Subdivision Code: 113-00113

District Number: 4 County: Montgomery Date: 08/26/2022

Contact: JOHN HOPWOOD Phone: (937) 225-4884
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: hopwoodj@mcoho.org FAX: _____

Project

Project Name: Falmouth & Esmeralda Water Main Replacement Zip Code: 45406

Subdivision Type	Project Type	Funding Request Summary	
	(Select single largest component by \$)	(Automatically populates from page 2)	
County _____	1. Road	Total Project Cost:	<u>1,471,305</u> .00
	2. Bridge/Culvert	1. Grant:	<u>429,000</u> .00
	x 3. Water Supply	2. Loan:	<u>556,000</u> .00
	4. Wastewater	3. Loan Assistance/ Credit Enhancement:	<u>0</u> .00
	5. Solid Waste	Funding Requested:	<u>985,000</u> .00
	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 / Final Design:	<u>126,105</u>	.00	
Construction Administration:	<u>0</u>	.00	
Total Engineering Services:	a.) <u>126,105</u>	.00	<u>9.8</u> %
Right of Way:	b.) <u>0</u>	.00	
Construction:	c.) <u>1,284,753</u>	.00	
Permits, Advertising, Legal:	e.) <u>0</u>	.00	
Construction Contingencies:	f.) <u>60,447</u>	.00	
Total Estimated Costs:	g.) <u>1,471,305</u>	.00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.) <u>0</u>	.00	
Local Revenues:	b.) <u>43,493</u>	.00	
Other Public Revenues:			
Local / ODOT - Let:	d.) <u>0</u>	.00	
ODOT PID:			
OEPA / OWDA:	e.) <u>414,200</u>	.00	
CDBG:	f.) <u></u>	.00	
Other: <u>Harrison Township</u>	g.) <u>28,612</u>	.00	
Subtotal Local Resources:	i.) <u>486,305</u>	.00	<u>33.1</u> %

OPWC Funds (Check all requested and enter Amount)

Grant: <u>43.6</u> % of OPWC Funds	j.) <u>429,000</u>	.00	
Loan: <u>56.4</u> % of OPWC Funds	k.) <u>556,000</u>	.00	<u>20</u> yrs
Loan Assistance / Credit Enhancement:	l.) <u>0</u>	.00	
Subtotal OPWC Funds:	m.) <u>985,000</u>	.00	<u>66.9</u> %
Total Financial Resources:	n.) <u>1,471,305</u>	.00	<u>100</u> %

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 New / Expansion: _____⁰.00

3.0 Project Schedule

3.1 Engineering / Design / Right of Way	Begin Date: <u>02/15/2023</u>	End Date: <u>04/25/2025</u>
3.2 Bid Advertisement and Award	Begin Date: <u>11/03/2023</u>	End Date: <u>01/16/2024</u>
3.3 Construction	Begin Date: <u>03/18/2024</u>	End Date: <u>09/30/2026</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: 39 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 _____

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

Residential Water Rate Current \$ 36 Number of households served: 74

Residential Wastewater Rate Current \$ 45 Number of households served: 74

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.) 2000 character limit.

The water main replacement will take place in Harrison Township within the right of way of Falmouth Ave between Gotham Ave and the end of jurisdiction, StJames Ave between Falmouth Ave and Esmeralda Ave, and Esmeralda Ave between W Hillcrest Ave and the end of jurisdiction.

B: IDENTIFY THE PROBLEM (Describe the issue to be addressed) 2000 character limit.

There have been 9.1 breaks per 1000' on the water main that will be replaced. The main breaks cause a reliability issue due to outages. Breaks also require a boil notice to be implemented after service is back on line. This project will correct and replace any potential lead services within the area of the project.

C: PROJECT SCOPE (Describe the work to be completed) 2000 character limit.

This project will replace 4" & 6" cast iron water main on Falmouth Ave, Esmeralda Ave, and St James Ave in Harrison Township with 8" ductile iron water main with all appurtenances. The project will also remove old fire hydrants and replace them with new hydrants with closer spacing. The project seeks to replace the water main which has excessive breaks and has exceeded it's useful life. The pipes being replaced have broken at a rate of 9.1/1000'. The project includes:

2,715 LF of 8" Ductile Iron Water Main

7 Fire Hydrant Assemblies

74

Service Connections with 1,850' of 1" Copper Pipe

4 8" Valves

4

Tapping Sleeves and Valves

Approximately 2,716' of streets will be milled and overlaid with asphalt

The project will install 2,715 LF of

8" ductile iron water main with 4 valves and 7 hydrant assemblies to replace 2,522' of 4" & 6" water mains with 2 fire hydrants constructed in the late

1940's. The proposed replacement will occur in the road right of way. There are 74 service connections in all.

The following streets will be milled and overlaid: Falmouth 1,560' X 19' - 26' wide

Esmeralda 898' X 29.5' wide

St. James 260' X 23.5'

wide

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: Michael B. Colbert
Title: County Administrator
Address: 451 West Third Street

City: Dayton State: OH Zip: 45422
Phone: 937-225-4582
FAX:
E-Mail: colbertm@mcoho.org

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

Name: Vijay Chitkara
Title: Manager Financial Services
Address: 451 W. Third Street

City: Dayton State: OH Zip: 45422
Phone: 937-225-4565
FAX:
E-Mail: chitkarav@mcoho.org

5.3 Project Manager

Name: Ed Schlaack
Title: Senior Engineer
Address: 1850 Spaulding Road

City: Kettering State: OH Zip: 45432
Phone: 937-781-2632
FAX:
E-Mail: schlaacke@mcoho.org

6.0 Attachments / Completeness review

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

- x A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.
- x A certification signed by the applicant's chief financial officer stating the amount of all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.
- x A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's seal or stamp and signature.
- x 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.

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

7.0 Applicant Certification

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

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

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

Original Signature / Date Signed

**RESOLUTION NO. 22-1310
AUGUST 23, 2022**

RESOLUTION AUTHORIZING THE MONTGOMERY COUNTY ENVIRONMENTAL SERVICES DEPARTMENT TO PREPARE AND SUBMIT AN APPLICATION TO PARTICIPATE IN THE OHIO PUBLIC WORKS COMMISSION STATE CAPITAL IMPROVEMENT PROGRAM AND TO EXECUTE CONTRACTS AS REQUIRED FOR A GRANT/LOAN IN THE AMOUNT OF \$985,000.00 FOR THE PROJECT NO. 130063-83, FALMOUTH & ESMERALDA WATER MAIN REPLACEMENT.

WHEREAS, Michael B. Colbert, County Administrator, is authorized as the appropriate signature to sign the OPWC application and subsequent contract for the Falmouth & Esmeralda Water Main Replacement project; and

WHEREAS, the State Capital Improvement Program provides financial assistance to political subdivisions for capital improvements to public infrastructure; and

WHEREAS, the Montgomery County Environmental Services Department is planning to make capital improvements with Falmouth & Esmeralda Water Main Replacement project.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Montgomery County, Ohio, that a resolution authorizing the transmittal of the application and the entering into of any agreements as may be necessary and appropriate for obtaining OPWC funds in the amount of \$985,000.00 as described above for the Project No. 130063-83, Falmouth & Esmeralda Water Main Replacement project be and is hereby approved.

BE IT FURTHER RESOLVED that the Clerk of Commission certify this resolution and make an imaged copy of this resolution available on the Montgomery County, Ohio website at <http://www.mcoho.org>.

**RESOLUTION NO: 22-1310
AUGUST 23, 2022**

CERTIFICATE

Mrs. Lieberman moved the adoption of the foregoing resolution. It was seconded by Ms. Dodge, and upon call of the roll the following vote resulted:

Mrs. Lieberman, aye; Ms. Dodge, aye; Mrs. Rice, aye: Carried.



I hereby certify that the foregoing is a true and correct copy of a resolution duly adopted by the Board of County Commissioners of Montgomery County, Ohio, on the 23rd day of August, 2022.

THE BOARD OF COUNTY COMMISSIONERS HEREBY FINDS AND DETERMINES THAT ALL FORMAL ACTIONS RELATIVE TO THE ADOPTION OF THIS RESOLUTION WERE TAKEN IN AN OPEN MEETING OF THIS BOARD OF COUNTY COMMISSIONERS, AND THAT ALL DELIBERATIONS OF THIS BOARD OF COUNTY COMMISSIONERS, 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.

A handwritten signature in cursive script that reads "Emily Bradford". The signature is written in black ink and is positioned above a horizontal line.

Emily Bradford, Clerk
Board of County Commissioners
Montgomery County, Ohio





DEPARTMENT OF ENVIRONMENTAL SERVICES

**MONTGOMERY COUNTY
ENVIRONMENTAL SERVICES**

1850 Spaulding Road
Kettering, Ohio 45432
937-781-2500

www.mcohio.org/water
www.mcswd.org

COUNTY COMMISSIONERS

Judy Dodge
Carolyn Rice
Deborah A. Lieberman

COUNTY ADMINISTRATOR

Michael B. Colbert

DEPARTMENT DIRECTOR

Matthew Hilliard

August 5, 2022

I, Financial Services Manager of Montgomery County Environmental Services, hereby certify that Montgomery County, Ohio has the amount of \$457,693.00 in the Water Fund and that this amount will be used to pay the local share for the Falmouth & Esmeralda Water Main Replacement Project when it is required.

I, Financial Services Manager of Montgomery County Environmental Services, hereby certify that Montgomery County, Ohio has / will have / will collect the amount of \$556,000.00 in the Water Fund and that this amount will be used to repay the Ohio Public Works Commission SCIP or RLP loan requested for the Falmouth & Esmeralda Water Main Replacement Project over a 20 year term.

Vijay Chitkara

Vijay Chitkara, Financial Services Manager

CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS

August 8, 2022

I, Craig A Jones, Fiscal Officer, Harrison Township, Montgomery County, Ohio, do hereby certify that Harrison Township has the amount of \$28,612.00 in the General Fund / Road & Bridge Fund and that this amount will be used to pay the local share for the Falmouth & Esmeralda Water Main Replacement when it is required. The amount of payment is based on the cooperative agreement and current estimates of cost.

Craig A. Jones
Fiscal Officer

**FALMOUTH & ESMERALDA WATER MAIN REPLACEMENT
PROJECT NO. 130063-83
COOPERATIVE AGREEMENT**

THIS AGREEMENT entered into this 16th day of August, 2022 between the Board of County Commissioners of Montgomery County, Ohio, 451 W. Third Street, Dayton, Ohio 45422 (the "County") and the Harrison Township, Montgomery County, Ohio, 5945 N Dixie Drive, Dayton, Ohio 45414 (the "Township").

WITNESSETH:

WHEREAS, the County will contract to replace water mains on portions of Falmouth Avenue, St. James Avenue, and Esmeralda Avenue within the Township (the "Project"); and

WHEREAS, the Township desires to resurface the streets within the Project; and

WHEREAS, the County will apply for Grant and Loan funding from the Ohio Public Works Commission; and

WHEREAS, the County and Township recognize that a joint effort to make the desired improvements to the Project will benefit the public convenience and welfare at a significant cost savings to both jurisdictions compared to undertaking the improvements separately; and

NOW, THEREFORE, in consideration of the mutual covenants herein, the parties hereby agree as follows:

ARTICLE ONE: Cost Participation - Engineering Phase

The County will contract with a qualified, competent consulting engineering firm to obtain all engineering work and documents required to complete the Project, except as described under the Township's responsibilities below. The County will prepare plans for reconstruction of all water lines and appurtenant work. The Township will prepare plans, supplemental notes and specifications for all resurfacing and ancillary street work.

ARTICLE TWO: Cost Participation – Construction Phase

The County will contract for construction of the Project and will secure or provide all funding necessary to complete the Project, except as described under the Township's responsibilities below.

Water Work: The County agrees to pay the cost of construction of the water line relocation and appurtenant work, estimated at \$1,275,000.00, funds to come from the internal Water Fund.

Street Work: The Township will contract for paving work either as a single project or as part of their paving program. The Township agrees to pay the cost of the street work construction, estimated at \$70,200.00, funds to come from the General Fund / Road & Bridge

FALMOUTH & ESMERALDA WATER MAIN REPLACEMENT COOPERATIVE AGREEMENT

Fund. Upon the completion of all work, the County shall submit to the Township satisfactory documentation regarding actual costs and expenses for the Street Work. The Township agrees to pay for approved work, less allocation from OPWC monies, within 45 days of receipt of invoice.

If the Township fails to approve in writing the final cost statements issued by the County or provide a detailed explanation of disapproval, then 30 days following the County's submission of the actual costs and expenses to the Township, the costs and expenses submitted by the County shall be considered approved and final. If the County and Township cannot mutually agree on the actual costs and expenses within 60 days following the date of initial submission of costs by the County, then the parties agree to submit the matter to a mutually agreed upon mediator, with an attempt to reach agreement within 45 days.

Should the County receive reimbursement from the Ohio Public Works Commission (OPWC) for eligible construction costs on the Project, including the water line relocation and street work, the Township shall receive a percentage of the grant monies allocated by OPWC equal to the percentage of Township Street work, to the total construction work. As part of this agreement, if funding is received from OPWC, the County will supplement an additional \$19,200.00 towards the Street work. The County shall receive the remainder of the grant monies allocated, as well as 100% of the loan monies allocated by OPWC.

<u>Party</u>	<u>% of OPWC Allocation Received</u>	<u>Source</u>
Harrison Township	5.21% of Grant Funds	(Grant Only)
County	94.79% of Grant Funds	(Grant)
County	100% of Loan Funds	(Loan)

Reimbursements from OPWC shall be reflected in the final amounts owed to the County upon completion of the project.

ARTICLE THREE: Term

The term of this Agreement shall commence on the date of the execution by all parties and shall terminate on December 31, 2025.

ARTICLE FOUR: Modification and Severability

This Agreement constitutes a total integration of the entire understanding between the parties and shall not be modified in any manner except by an instrument in writing executed by the parties.

If any term of provision of this Agreement, or the application thereof to any person or circumstances, shall, to any extent, be invalid or unenforceable, the remainder of this Agreement, or the application of such term or provision to persons or circumstance other than those as to which it is held invalid or unenforceable, shall not be affected thereby, and each term and provision of this Agreement shall be valid and enforced to the fullest extent permitted by law.

**FALMOUTH & ESMERALDA WATER MAIN REPLACEMENT
COOPERATIVE AGREEMENT**

ARTICLE FIVE: Termination

This Agreement may be terminated by either the Township or County upon notice, in writing, delivered upon the other party at least 60 days prior to the effective date of termination. This Agreement may be terminated by either party should OPWC funding is not granted. Likewise, this agreement may be continued through additional rounds of OPWC funding with the agreement of both parties.

ARTICLE SIX: Signature

The County hereby acknowledges that this Agreement must be signed and returned to Montgomery County by the Township within 30 days of receipt of said Agreement for signature or this Agreement may be cancelled and voided by Montgomery County.

**FALMOUTH & ESMERALDA WATER MAIN REPLACEMENT
COOPERATIVE AGREEMENT**

IN WITNESS WHEREOF, the parties hereto set their hands this 16th day of August, 2022.

WITNESS:

**BOARD OF COUNTY COMMISSIONERS
MONTGOMERY COUNTY, OHIO**

Signature

By _____
Judy Dodge, President

Signature

By _____
Carolyn Rice

Signature

By _____
Deborah A. Lieberman

OR

DocuSigned by:
Emily Bradford

Signature

DocuSigned by:
Michael B. Colbert

Michael B. Colbert, Administrator

**APPROVED AS TO FORM:
MATHIAS H. HECK, JR.
Prosecuting Attorney for Montgomery County, Ohio**

DocuSigned by:
Ward Barrantine
By _____
Assistant Prosecuting Attorney

Date: 8/9/2022

WITNESS
Shondra
Signature

HARRISON TOWNSHIP, OHIO

By [Signature]
Signature

Printed Name Kristofer McClintick

Title 8/1/22

APPROVED AS TO FORM:
[Signature]
Law Director

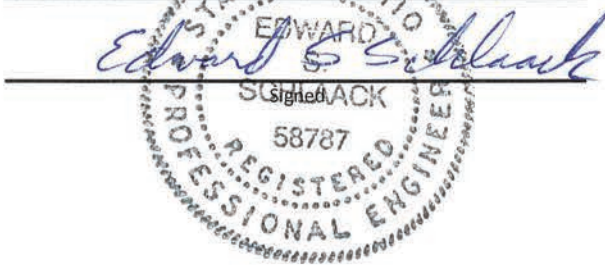
FALMOUTH & ESERALDA WMR- ESTIMATE

ITEM	ESTIMATED QUANTITIES (A)	UNITS (B)	ENGINEER'S ESTIMATE	
			TOTAL UNIT	TOTAL ITEM (D=AxC)
GENERAL				
Mobilization	1	LS	\$ 30,000.00	\$ 30,000.00
SHEETING & SHORING	NOT USED			
ROCK EXCAVATION	NOT USED			
UNSUITABLE SOIL	NOT USED			
PRESSURE PIPE & SERVICES				
Install Gate Vales and Boxes				
8" Gate Valve and Box	4	EA	\$ 2,302.00	\$ 9,208.00
6" Gate Valve and Box	7	EA	\$ 1,625.00	\$ 11,375.00
Fire Hydrant				
Furnish and Install Fire Hydrant With 4" Storz Connections, Including Excavation, Backfill, and Restoration	7	EA	\$ 6,432.00	\$ 45,024.00
Pressure Water Service Line				
Accessories and Taps				
1" Curb Stop and Curb Box, Including Restoration	74	EA	\$ 643.00	\$ 47,582.00
1" Service Tap and Corporation Stop	74	EA	\$ 508.00	\$ 37,592.00
1" Test Tap Including Corporation Stop and Removal	2	EA	\$ 1,151.00	\$ 2,302.00
Water Service Pipe				
1" Copper Service Line	1850	LF	\$ 136.00	\$ 251,600.00
Pressure Water Main				
Pipe				
Furnish and Install 8" AWWA C 151, Class 51, Ductile Iron, Polywrapped Pipe, with Granular Backfill, Including Compaction and Disposal of Excavated Material	2,715	LF	\$ 160.00	\$ 434,400.00
Furnish and Install 6" Fire Hydrant Anchor Pipe, Polywrapped Pipe, with Granular Backfill, Including Compaction and Disposal of Excavated Material	105	LF	\$ 240.00	\$ 25,200.00
GRAVITY PIPE & SERVICES (SEWER)	NOT USED			
Gravity Sewer Services				
4" PVC ASTM D-3034 SDR 26, Including All Restoration	30	LF	\$ 55.00	\$ 1,650.00
6" PVC ASTM D-3034 SDR 26, Including All Restoration	30	LF	\$ 68.00	\$ 2,040.00
LUMP SUM ITEMS	NOT USED			
RESTORATION				
Trench Restoration Per Foot of Trench	2,900	LF	\$ 88.00	\$ 255,200.00
Seeding and Mulching (for Fire Hydrant Branch lines and Main Line)	70	LF	\$ 13.50	\$ 945.00
MISCELLANEOUS CONSTRUCTION				
Furnish and Install 12"x8" Tapping Sleeve and Valve with Box, Including All Work to Connect to Existing Water Line	2	EA	\$ 10,150.00	\$ 20,300.00
Remove Fire Hydrant and Cap line, Backfill w/ Granular Backfill and Green Space Restoration	2	EA	\$ 1,015.00	\$ 2,030.00
Remove Valve Boxes (top section) and Valves (if required) Restoration of Pavement or Greenspace Included	6	EA	\$ 470.00	\$ 2,820.00
Full Depth Pavement Sawing	5,800	LF	\$ 2.70	\$ 15,660.00
Furnish and Install 4"x4" Tapping Sleeve and Valve with Box, Including All Work to Connect to Existing Water Line	2	EA	\$ 4,060.00	\$ 8,120.00
Plug existing Connections to 12" on Hillcrest	2	EA	\$ 4,060.00	\$ 8,120.00
Concrete Support (Pair)	5	EA	\$ 677.00	\$ 3,385.00

Subtotal	\$ 1,214,553.00
Engineering	\$ 126,105.00
MCES ~5% Contingency	\$ 60,447.00
MCES Total Construction	\$ 1,275,000.00
Harrison Township Construction	\$ 70,200.00
Project Total	\$ 1,471,305.00

Prepared by Edward S. Schlaack, P.E.

Date: August 8, 2022



A weighted useful life statement stamped/sealed and signed by a licensed professional engineer must be included with the project application.

This spreadsheet has formulas to make a weighted useful life calculation and is populated with an example for illustrative purposes. Items can be added to column a.

Weighted Useful Life & Design Service Capacity Calculations

Major Component	Cost (\$1,000)	Portion Repair / Replacement (%)	Repair / Replace Product	Useful Life (Years)	Useful Life Product
Full-depth road construction w/ drainage				25	
Full-depth road construction w/o drainage				25	
Partial-depth road construction w/ drainage				15	
Partial-depth road construction w/o drainage	70.2			15	1053
Storm Sewers				40	
Sanitary Sewers				40	
Water Lines	1275	100	127500	40	51000
Bridge				75	
Pumps, Lift Stations				15	
Sidewalks				25	
Bike Facility				7	
Totals	1345.2		127500		52053

Weighted Useful Life: 38.7 Years

Design Service Capacity (Project Application, Section 2.0):

Portion Repair / Replace 95 %
 Portion New / Expansion 5 %

Prepared by Edward S. Schlaack, P.E.

Date: August 8, 2022

Edward S. Schlaack
 Signed
 787
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF OHIO

OHIO PUBLIC WORKS COMMISSION
DISTRICT 4
Round 2022-2023 Supplemental Questionnaire

Applicant: Montgomery County Environmental Services

Project Title: Falmouth & Esmeralda Water Main Replacement

Application Summary:

Briefly describe the project:

This project will replace 4" & 6" cast iron water main on Falmouth Ave, Esmeralda Ave, and St James Ave in Harrison Township with 8" ductile iron water main with all appurtenances. The project will also remove old fire hydrants and replace them with new hydrants with closer spacing. The project seeks to replace the water main which has excessive breaks and has exceeded it's useful life. The pipes being replaced have broken at a rate of 9.1/1000'.

Priority:

Is this application your priority project? (Circle One)	
Yes <input type="radio"/>	No <input checked="" type="radio"/>

Generation of Revenue:

Will new user fees or assessments be assessed as part of this project? (Circle One)	
Yes <input type="radio"/>	No <input checked="" type="radio"/>
What will the new user fees or assessments be used for?	

Additional Funding:

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

Readiness of Project:

Will this project be <u>substantially</u> underway on or before June 1, 2024? (Circle One)	
Yes <input checked="" type="radio"/>	No <input type="radio"/>

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>There have been 9.1 breaks per 1000' on the water main that will be replaced. The main breaks cause a reliability issue due to outages. Breaks also require a boil notice to be implemented after service is back on line. This project will correct and replace any potential lead services within the area of the project.</p>

Addresses District Infrastructure Needs:

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

Economic Development

How many jobs are being created as a result of this project?	0
How many jobs will be retained as a result of this project?	0
Why is it necessary to fund this improvement to secure this development?	
N/A	
What type of industry is proposed in this development?	
N/A	

Relieve Existing Traffic Congestion:

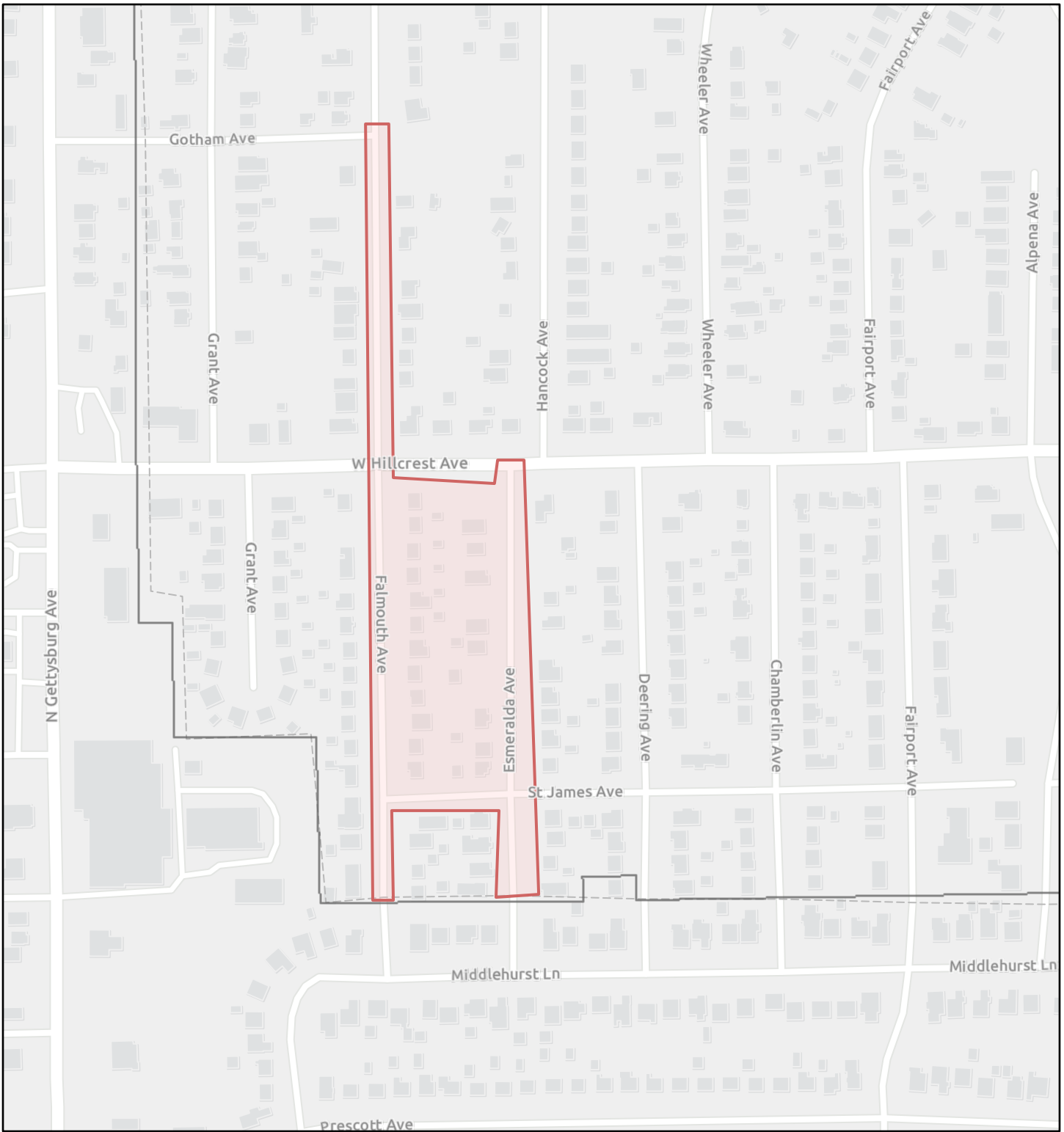
What is the level of service?	N/A
--------------------------------------	-----

Other Factors

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

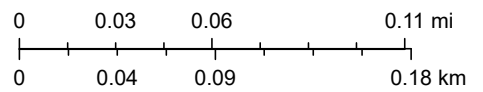
This project falls under the OEPA mandate to identify and catalogue all lead services by 2024 and remove them by 2026. Exact guidance has not been given about the removal.

Vicinity Map



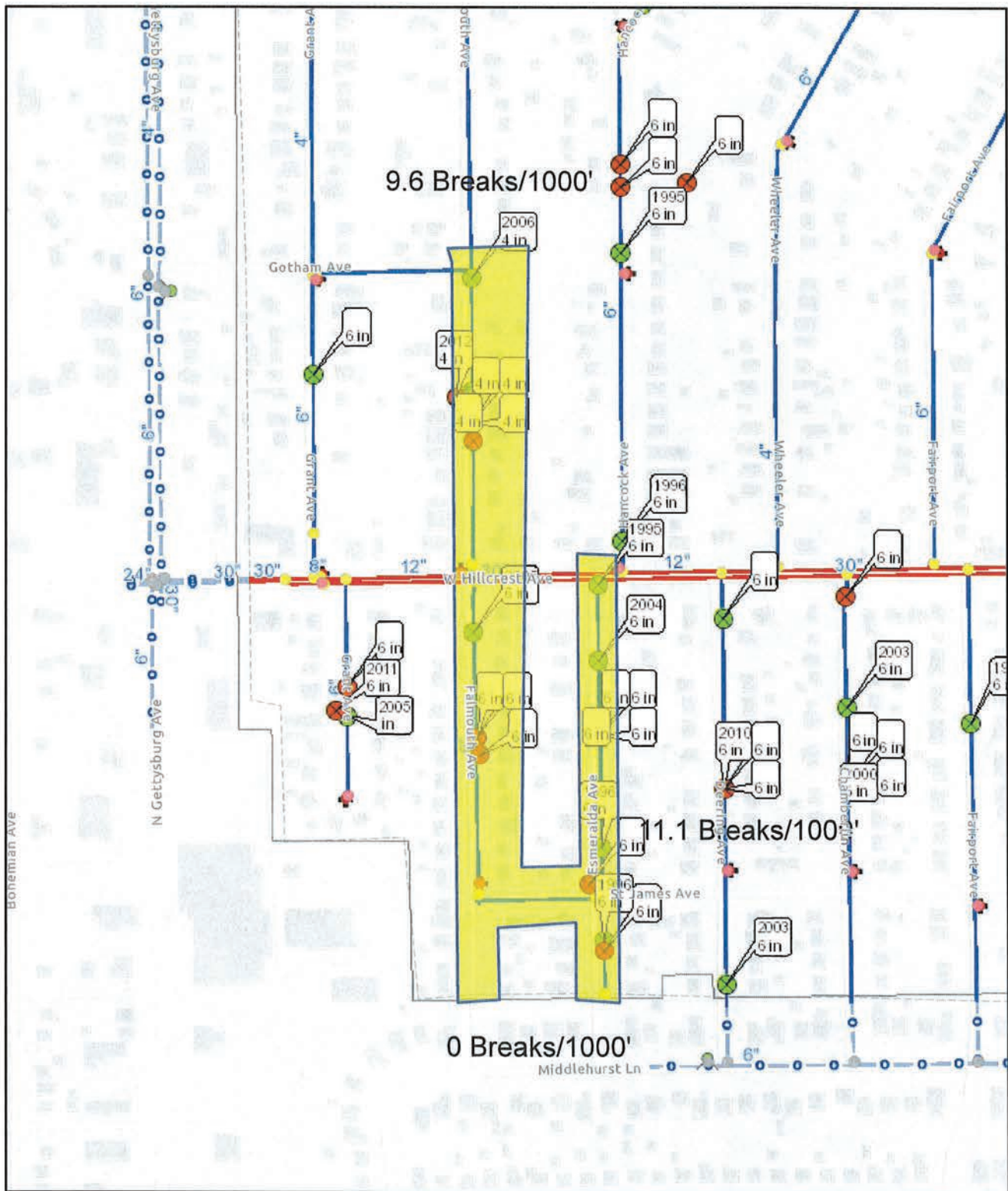
6/22/2022, 8:56:16 AM

1:4,514

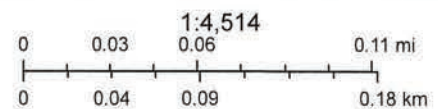


Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Falmouth & Esmeralda Breaks Map



7/25/2022, 11:10:31 AM



- GeoDigger (Legacy System) Main Break
- Cityworks Repair Water Main Break
- Water Main
- Not MCES
- HydrantLine,
- Blowoff, DistributionMain, Interconnect
- FireLine
- MCES Out of Service
- Critical Water Main
- Water Network Structure
- Elevated Storage Tank
- Production Well

Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

Break History - Falmouth & Esmeralda Water Main Replacement

Street	From	To	Break Address	Date	Length	Breaks/ 1000'	Totals		
							Length	Break Count	Breaks/ 1000'
Falmouth Ave	Gotham Ave	End of Jurisdiction	Falmouth Ave & Gotham Ave	2/22/2006	1348	9.6	2518	23	9.1
			2419 Falmouth Ave	3/24/2012					
			2436 Falmouth Ave	2/17/1994					
			2436 Falmouth Ave	1/27/2008					
			2430 Falmouth Ave	3/2/2008					
			2403 Falmouth Ave	2/6/2019					
			2412 Falmouth Ave	2/4/2021					
			2408 Falmouth Ave	7/8/2018					
			2436 Falmouth Ave	1/6/2015					
			2240 Falmouth Ave	12/7/2005					
			2232 Falmouth Ave	2/11/2018					
			W Hillcrest Ave & Falmouth Ave	8/5/2020					
			2244 Falmouth Ave	3/8/2020					
St James Ave	Falmouth Ave	Esmeralda Ave			270	0.0			
Esmeralda Ave	W Hillcrest Ave	End of Jurisdiction	Esmeralda Ave & W Hillcrest Ave	9/5/1995	900	11.1			
			2239 Esmeralda Ave	1/25/2004					
			2240 Esmeralda Ave	11/13/2002					
			2239 Esmeralda Ave	11/24/2013					
			2200 Esmeralda Ave	2/2/2016					
			4015 W Hillcrest Ave	2/1/2016					
			2214 Esmeralda Ave	12/8/1996					
			2201 Esmeralda Ave	2/18/2021					
			2150 Esmeralda Ave	12/13/1996					
			2140 Esmeralda Ave	9/15/2014					





FALMOUTH WATER MAIN REPLACEMENT

CUSTOMER COUNT

TOTAL CUSTOMERS = 74



FULL ADDRESS	PARCEL ID	FULL ADDRESS	PARCEL ID
2239 ESMERALDA	E20 17105A 0032	2235 FALMOUTH	E20 17105A 0002
2240 ESMERALDA	E20 17105A 0059	2236 FALMOUTH	E20 17105A 0029
2241 ESMERALDA	E20 17105A 0033	2240 FALMOUTH	E20 17105A 0146
2242 ESMERALDA	E20 17105A 0057	2244 FALMOUTH	E20 17105A 0030
2243 ESMERALDA	E20 17105A 0035	2247 ESMERALDA	E20 17105A 0036
2244 ESMERALDA	E20 17105A 0056	2142 FALMOUTH	E20 17105A 0016
2140 ESMERALDA	E20 17105A 0047	2145 FALMOUTH	E20 17105A 0014
2141 ESMERALDA	E20 17105A 0045	2146 FALMOUTH	E20 17105A 0017
2142 ESMERALDA	E20 17105A 0046	2149 FALMOUTH	E20 17105A 0013
2145 ESMERALDA	E20 17105A 0044	2150 FALMOUTH	E20 17105A 0018
2150 ESMERALDA	E20 17105A 0048	2154 FALMOUTH	E20 17105A 0019
2154 ESMERALDA	E20 17105A 0049	2197 FALMOUTH	E20 17105A 0012
2155 ESMERALDA	E20 17105A 0043	2200 FALMOUTH	E20 17105A 0020
2200 ESMERALDA	E20 17105A 0050	2405 FALMOUTH	E20 17101A 0110
2201 ESMERALDA	E20 17105A 0041	2408 FALMOUTH	E20 17101A 0117
2205 ESMERALDA	E20 17105A 0040	2409 FALMOUTH	E20 17101A 0109
2209 ESMERALDA	E20 17105A 0039	2412 FALMOUTH	E20 17101A 0118
2210 ESMERALDA	E20 17105A 0052	2415 FALMOUTH	E20 17101A 0108
2214 ESMERALDA	E20 17105A 0051	2416 FALMOUTH	E20 17101A 0119
2216 ESMERALDA	E20 17105A 0053	2201 FALMOUTH	E20 17105A 0011
2217 ESMERALDA	E20 17105A 0024	2204 FALMOUTH	E20 17105A 0147
2224 ESMERALDA	E20 17105A 0054	2205 FALMOUTH	E20 17105A 0010
2235 ESMERALDA	E20 17105A 0031	2208 FALMOUTH	E20 17105A 0022
2245 FALMOUTH	E20 17105A 0001	2209 FALMOUTH	E20 17105A 0009
2221 FALMOUTH	E20 17105A 0006	2212 FALMOUTH	E20 17105A 0023
2403 FALMOUTH	E20 17101A 0111	2213 FALMOUTH	E20 17105A 0008
2404 FALMOUTH	E20 17101A 0116	2419 FALMOUTH	E20 17101A 0107
4000 ST JAMES	E20 17105A 0042	2425 FALMOUTH	E20 17101A 0106
4002 ST JAMES	E20 17105A 0042	2429 FALMOUTH	E20 17101A 0105
2216 FALMOUTH	E20 17105A 0144	2430 FALMOUTH	E20 17101A 0120
2217 FALMOUTH	E20 17105A 0007	2433 FALMOUTH	E20 17101A 0104
2220 FALMOUTH	E20 17105A 0025	2436 FALMOUTH	E20 17101A 0121
2224 FALMOUTH	E20 17105A 0026	2441 FALMOUTH	E20 17101A 0102
2225 FALMOUTH	E20 17105A 0005	2444 FALMOUTH	E20 17101A 0124
2228 FALMOUTH	E20 17105A 0027	2497 FALMOUTH	E20 17101A 0099
2229 FALMOUTH	E20 17105A 0004	3912 W HILLCREST	E20 17105A 0151
2232 FALMOUTH	E20 17105A 0028	4075 W HILLCREST	E20 17101A 0113

**RESOLUTION NO. 22-1310
AUGUST 23, 2022**

RESOLUTION AUTHORIZING THE MONTGOMERY COUNTY ENVIRONMENTAL SERVICES DEPARTMENT TO PREPARE AND SUBMIT AN APPLICATION TO PARTICIPATE IN THE OHIO PUBLIC WORKS COMMISSION STATE CAPITAL IMPROVEMENT PROGRAM AND TO EXECUTE CONTRACTS AS REQUIRED FOR A GRANT/LOAN IN THE AMOUNT OF \$985,000.00 FOR THE PROJECT NO. 130063-83, FALMOUTH & ESMERALDA WATER MAIN REPLACEMENT.

WHEREAS, Michael B. Colbert, County Administrator, is authorized as the appropriate signature to sign the OPWC application and subsequent contract for the Falmouth & Esmeralda Water Main Replacement project; and

WHEREAS, the State Capital Improvement Program provides financial assistance to political subdivisions for capital improvements to public infrastructure; and

WHEREAS, the Montgomery County Environmental Services Department is planning to make capital improvements with Falmouth & Esmeralda Water Main Replacement project.

NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Montgomery County, Ohio, that a resolution authorizing the transmittal of the application and the entering into of any agreements as may be necessary and appropriate for obtaining OPWC funds in the amount of \$985,000.00 as described above for the Project No. 130063-83, Falmouth & Esmeralda Water Main Replacement project be and is hereby approved.

BE IT FURTHER RESOLVED that the Clerk of Commission certify this resolution and make an imaged copy of this resolution available on the Montgomery County, Ohio website at <http://www.mcoho.org>.

**RESOLUTION NO: 22-1310
AUGUST 23, 2022**

CERTIFICATE

Mrs. Lieberman moved the adoption of the foregoing resolution. It was seconded by Ms. Dodge, and upon call of the roll the following vote resulted:

Mrs. Lieberman, aye; Ms. Dodge, aye; Mrs. Rice, aye: Carried.



I hereby certify that the foregoing is a true and correct copy of a resolution duly adopted by the Board of County Commissioners of Montgomery County, Ohio, on the 23rd day of August, 2022.

THE BOARD OF COUNTY COMMISSIONERS HEREBY FINDS AND DETERMINES THAT ALL FORMAL ACTIONS RELATIVE TO THE ADOPTION OF THIS RESOLUTION WERE TAKEN IN AN OPEN MEETING OF THIS BOARD OF COUNTY COMMISSIONERS, AND THAT ALL DELIBERATIONS OF THIS BOARD OF COUNTY COMMISSIONERS, 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.

Emily Bradford, Clerk
Board of County Commissioners
Montgomery County, Ohio

