

OPWC DISTRICT 4 INTEGRATING COMMITTEE
2022/2023 APPLICATION SUMMARY

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SUBDIVISION: West Carrollton CONTACT PERSON: Richard Norton
PROJECT NAME: Water Well #5 Replacement Project

CRITERIA		RESPONSE			
	Project Type	Water Supply			
	General Project Summary	Replacement of existing water well with a new 80' foot drilled shaft, pump, motor, well house, and appurtenances. When in operation, the new well will be capable of producing 1.0 MGD.			
1.	Priority Project?	Yes			
2.	Total Project Cost	\$668,150			
	Funding Requested SCIP	\$668,150 (\$334,075 Grant / \$334,075 Loan)			
	Funding Requested LTIP	n/a			
	New/ Expansion	\$0			
3.	Type of Request	50% Grant / 50% Loan			
4.	Local Match SCIP	\$334,075	50%		
	Local Match LTIP	n/a			
5.	Economic Health	5			
6.	Infrastructure Age	45 years			
7.	Generation of Revenue	None			
8.	Additional Funding	None			
9.	Readiness of Project	Ready to Proceed			
10.	Health & Safety - Category	Water			
	Response	Existence of high levels of iron and manganese produced by existing well yield a well that is inoperable to the water softening process. With this well of no use, there is no redundancy in the event of an emergency or maintenance.			
11.	Addresses District Needs	System Users	3,364	Avg. Daily Traffic	
		Acres Drained		Project in Multiple Communities?	No
		Percent of Community Served?			More than 40%
12.	Economic development	None			
	# jobs being created				
	# jobs retained				
13.	Relieves Traffic Congestion Responds to Growth	n/a			<i>LTIP only Criteria</i>
14.	Weighted Useful Life	27 years			
15.	Engineering as % of Construction	0%			
16.	Other Factors	See attached			
COMMENTS					

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

1.1 Project Estimated Costs

Engineering Services

Preliminary / Final Design:	<u>0</u>	.00	
Construction Administration:	<u>0</u>	.00	
Total Engineering Services:	a.)	<u>0</u> .00	<u>0</u> %
Right of Way:	b.)	<u>0</u> .00	
Construction:	c.)	<u>606,500</u> .00	
Permits, Advertising, Legal:	e.)	<u>1,000</u> .00	
Construction Contingencies:	f.)	<u>60,650</u> .00	
Total Estimated Costs:	g.)	<u>668,150</u> .00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.)	<u>0</u> .00	
Local Revenues:	b.)	<u>0</u> .00	
Other Public Revenues:			
Local / ODOT - Let:	d.)	<u>0</u> .00	
ODOT PID:			
OEPA / OWDA:	e.)	<u>0</u> .00	
CDBG:	f.)	<u>0</u> .00	
Other:	g.)	<u>0</u> .00	
Subtotal Local Resources:	i.)	<u>0</u> .00	<u>0</u> %

OPWC Funds (Check all requested and enter Amount)

Grant: <u>50</u> % of OPWC Funds	j.)	<u>334,075</u> .00	
Loan: <u>50</u> % of OPWC Funds	k.)	<u>334,075</u> .00	<u>20</u> yrs
Loan Assistance / Credit Enhancement:	l.)	<u>0</u> .00	
Subtotal OPWC Funds:	m.)	<u>668,150</u> .00	<u>100</u> %
Total Financial Resources:	n.)	<u>668,150</u> .00	<u>100</u> %

OHIO PUBLIC WORKS COMMISSION

DISTRICT 4

Round 2022-2023 Supplemental Questionnaire

Applicant: City of West Carrollton

Project Title: Water Well #5 Replacement Project

Application Summary:

Briefly describe the project:

Replacement of existing Water Well #1 with proposed Water Well #5. Existing Water Well #1 was built in 1977 and drilled to an aquifer depth of 135 feet. At this depth Iron levels are 1.5 mg/L and Manganese levels are 0.2 mg/L. These levels are high and water cannot be treated by the Membrane Filtration Softening Plant without clogging and fouling the filters and rendering the water softening process inoperable. The proposed Water Well #5 will be drilled to an aquifer depth of 80 feet. At this depth Iron levels are 0.05 mg/L (30 times less) and Manganese levels are 0.05 mg/L (4 times less) and this water can be treated by the Membrane Filtration Softening Plant without issue.

Construction will include well casing and shaft, pump, motor, electric, valves, well house, access drive, miscellaneous appurtenances, and Water Well #1 abandonment. All construction will be within the West Carrollton well field on Pierce Avenue.

Other Factors

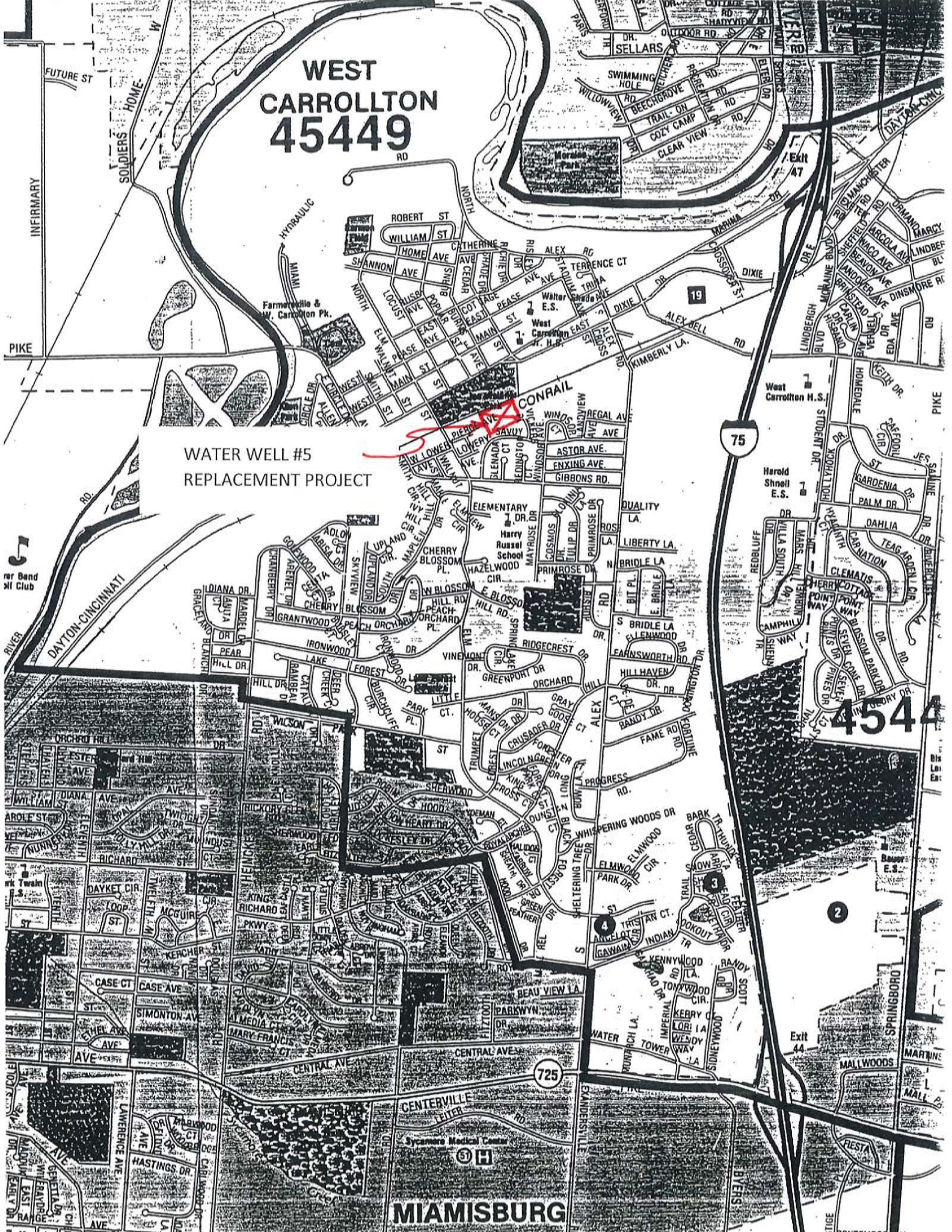
What other factors exist that make this project more important than other like projects?

This is a part of a continuing effort by the City of West Carrollton to evaluate and upgrade its water system infrastructure. The City began this endeavor approximately 18 years ago and OPWC has funded numerous water infrastructure projects. This project is vital by providing redundancy to the water system by upgrading the water well system and allowing a continued water source to the entire customer base of 3,364 customers.

WEST CARROLLTON 45449

WATER WELL #5 REPLACEMENT PROJECT

4544



near Band XI Club

MIAMISBURG

Sycamore Medical Center

75

725

Exit 44

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3

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CONTEMPORARY