

Capital Improvement Program

THE CITY OF
COLUMBUS

The Capital Improvements Program (CIP) is a six-year planning document for future capital projects throughout the city. The CIP does not authorize spending, but rather is a resolution passed by City Council.

The Capital Improvements Budget (CIB) serves as the basis for all budgeting and spending related to capital projects throughout the city for the ensuing year. The CIB is a one-year budget authorized via an ordinance passed by City Council. The CIB is also included as the first year within the six-year CIP. Both the CIB and the CIP provide a breakdown of the various capital projects by the department and by the funding source.

To be eligible for capital improvements funding (i.e. from the issuance of debt), a capital project must result in the acquisition of an asset with a useful life of at least five years and be considered non-operational in nature. The asset should have a cost of \$5,000 or more. In addition to acquisition, capital funding can be used for projects that will improve an existing asset or that will extend the useful life of an asset.

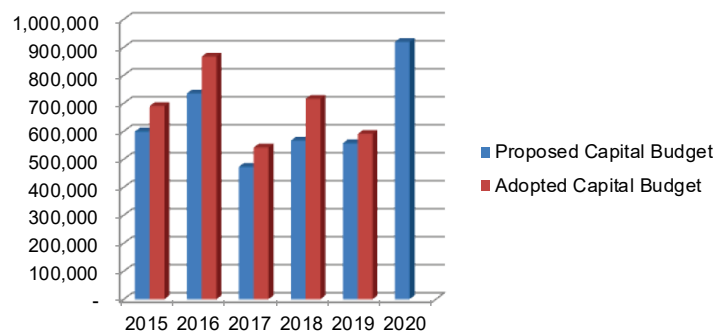
Some examples of capital improvement projects include the purchase of major equipment, street lighting improvements, street and highway improvements, land acquisition, recreational trail improvements, building construction, facility rehabilitation, and improvements to the public utilities systems throughout the city.

The Capital Planning Process

In accordance with City Code Section 333.05, each city department shall submit to the Director of Finance and Management all proposed capital projects to be given consideration for the CIB and the six-year CIP no later than September 15th each year. All projects submitted must meet the eligibility requirements for capital funding.

Based on assumptions at the time of submission, the proposed CIB and proposed CIP are submitted to City Council no later than November 15th of each year. After the close of the fiscal

**Proposed vs. Adopted Budgets
2015-2020
(in thousands)**



Capital Improvements Program

year, the capital funding assumptions are updated and finalized. These updated figures serve as the total funding available for the CIB and the CIP.

The Department of Finance and Management, in consultation with the Mayor's office and the other administrative departments of the city, will analyze and recommend an updated CIB and CIP for consideration before City Council after the fiscal year has officially closed.

Types of Capital Funding

The CIP is funded mainly by the issuance of debt in the form of general obligation bonds. The city utilizes both voted debt and unvoted debt, also called councilmanic debt, when issuing general obligation bonds. Voted debt is authorized by a popular vote of the electorate and is not subject to the same debt limitations as unvoted debt. Voter approval provides the city with the ability to levy an *ad valorem* property tax to service the debt. This property tax is based upon the assessed value of a property. While the city solicits voter approval from time to time, the city has never exercised its taxing authority for this purpose and does not intend to do so; however, its ability to do so gives potential investors assurance their investments in the city are secure. Because of this security, voted debt typically carries a lower interest expense than unvoted debt. This results in additional savings for the city.

The city typically requests voter approval for the issuance of voted debt through bond packages every three to five years. A bond package normally consists of several issues placed on the ballot for a popular vote. Seeking voter approval every few years allows the city to solicit voter input and participation in the capital project prioritization process.

The most recent bond package was on the May 7, 2019 ballot. The voters approved five separate bond issues totaling \$1.030 billion. These issues were intended to accommodate planned capital improvements for non-enterprise and enterprise agencies. The package provided voted authority for the purposes of Health, Safety and Infrastructure, Recreation and Parks, Public Service, Neighborhood Development, and Public Utilities. The city has utilized \$28.9 million of the 2019 voted authority and \$559.8 million of the 2016 voted authority. In addition, the city also has \$79.7 million of remaining authority from the 2013 voted bond package. The tables below show the remaining voted authority, by purpose, as of October 16, 2019.

Voted Bond Packages (000's omitted)						
Purpose	2013		2016		2019	
	Amount Authorized	Amount Remaining	Amount Authorized	Amount Remaining	Amount Authorized	Amount Remaining
Safety and Health	\$ 52,500	\$ -	\$ 70,000	\$ 7,750	\$ -	\$ -
Health, Safety, and Infrastructure	-	-	-	-	205,000	205,000
Recreation and Parks	123,910	-	110,000	35,895	100,000	100,000
Public Service	220,300	-	310,000	-	425,000	396,070
Public Utilities	445,295	79,725	460,000	346,605	250,000	250,000
Neighborhood Development	-	-	-	-	50,000	50,000
Total	\$ 842,005	\$ 79,725	\$ 950,000	\$ 390,250	\$ 1,030,000	\$ 1,001,070

In addition to utilizing voted debt in order to ensure lower interest rates, the city also seeks a credit rating on each bond issue. The national rating agencies (Standard & Poor's Corporation, Moody's Investors Service, and Fitch Ratings) rate the security of Columbus for investors. The three agencies currently give the City of Columbus their highest and most sought after long-term

credit rating – AAA, Aaa, and AAA, respectively. These ratings allow the city to realize interest savings when issuing debt because investors can be confident of timely repayment.

Unvoted debt is a debt issuance that has been authorized by City Council, but not by a vote of the electorate. Unvoted debt is subject to additional limits set forth in the Ohio Revised Code. Unvoted debt typically carries a higher interest rate than voted debt.

The city may also utilize other types of funding for the CIP. These include, but are not limited to, the following:

- **State Infrastructure Bank (SIB) Loans** – Authorized by Ohio Revised Code, Chapter 5531, the SIB issues direct loans for the purpose of developing transportation facilities and infrastructure throughout Ohio. SIB loans are low interest rate loans granted to various municipal agencies. The funds originate from Federal sources and are subject to all Federal regulations. Projects which utilize SIB loans must go through a selection and approval process within the Ohio Department of Transportation before funds would be available.
- **Ohio Public Works Commission (OPWC) Loans and Grants** – Created in 1987, OPWC provides capital funding to municipalities through the State Capital Improvement Program (SCIP) and the Local Transportation Improvement Program (LTIP). Applications for funding are submitted to OPWC and go through a selection and approval process. If approved, loans can be made through these programs that have low interest rates and can be used to partially or fully fund a project. Grants are also available to partially fund capital projects that meet the criteria established by OPWC.
- **Ohio Environmental Protection Agency (OEPA) Loans** – The OEPA provides loans through the Ohio Water Development Authority (OWDA). Created by the State Legislature in 1968, OWDA administers and directs funds from the OEPA to local governments through loan and grant programs. The city may utilize available funding through the Water Pollution Control Loan Fund (WPCLF) and the Water Supply Revolving Loan Account (WSRLA). These fixed, below market-rate loans can be used for wastewater infrastructure projects such as improvements to collection and treatment systems, and for construction related to public water systems. Projects must be submitted to OEPA and approved through an evaluation process.

Funding the Capital Improvement Program

The city deposits 25 percent of the City of Columbus' two and one-half percent income tax to the special income tax (SIT) fund to service debt, primarily for non-enterprise agencies. In 2020, SIT income tax deposits are currently projected at approximately \$239.6 million. This amount will be revised when the final 2019 income tax proceeds are collected and deposited into the SIT fund. Non-enterprise agencies primarily represent operations funded by the general fund or the street construction, maintenance, and repair fund that do not have separate revenue sources. Non-enterprise projects include construction and improvements of expressways, parks, fire stations and equipment, police facilities, streets, and traffic control. In addition, the SIT fund services debt on the Capitol South redevelopment projects as well as the tipping fees for solid waste disposal. Currently, tipping fees are budgeted at \$17.1 million for 2020.

Income tax growth is the most important determinant of the city's capacity to issue additional debt. The SIT analysis shows the projected debt service requirements from the SIT fund for 2019 to 2028.

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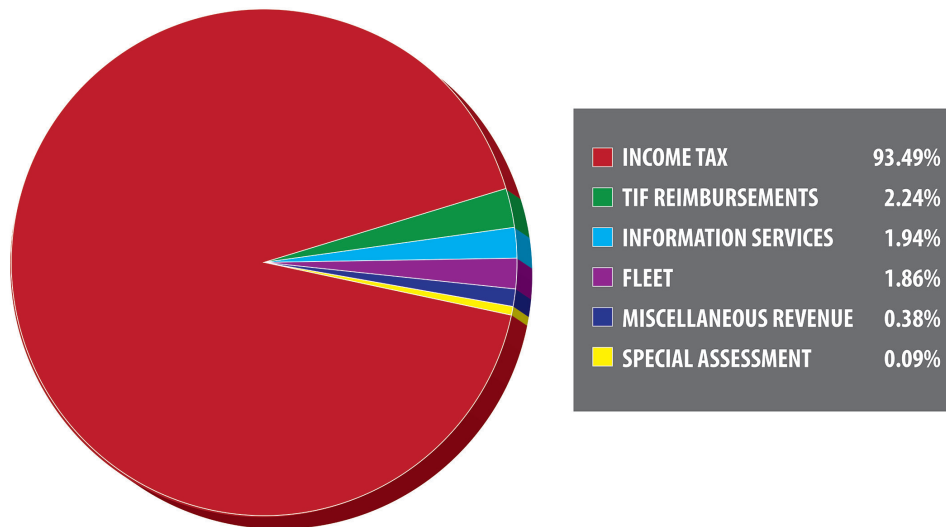
Capital projects for enterprise agencies are funded primarily through user fees. The determination of the ability to fund enterprise projects is done at the department level. These debt service projections are included in the individual department pro formas.

Coverage Factor

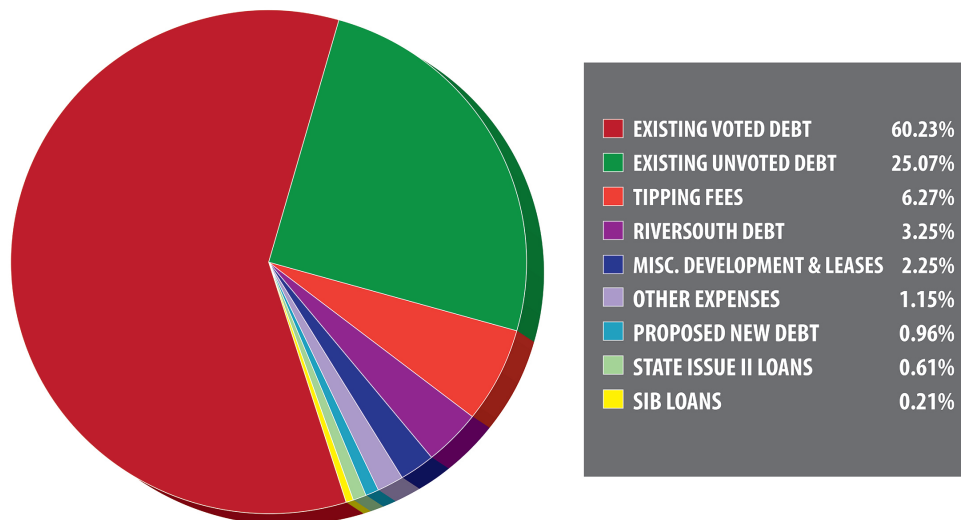
The SIT fund's available capacity for new debt, and its ability to service existing debt, is expressed as its coverage factor. Coverage, depicted within the SIT analysis, is a ratio of revenues to expenditures and provides a minimum level at which a fund balance should be maintained for contingency purposes. Coverage levels are goals, not absolute minimum levels of acceptance. "Current year coverage" shows the degree to which current revenues will meet current expenditures. "Total coverage" is similar, but also includes the prior year-end fund balance as revenue. At present, the targeted level is to maintain a 50 percent surplus capacity (a 1.5 total coverage factor). This surplus level means that for every dollar projected to be expended from the SIT, there must be an additional dollar-and-a-half of projected revenue deposited into the SIT.

SPECIAL INCOME TAX ANALYSIS PROPOSED 2020 BUDGET

Revenues



Expenditures



Debt Limitations and Obligations

The following explanation of “Debt Limitations” has been extracted from the city’s Official Statement dated October 4, 2019.

Direct Debt Limitations

Section 133.05, Ohio Revised Code, provides that the net unvoted general obligation debt of the city, excluding certain “exempt debt,” (as further discussed below) shall never exceed five and one-half percent (5.5%) of the total value of all property in the city as listed and assessed for taxation. Section 133.05 further provides that the net general obligation debt of the city, including all voted and unvoted general obligation debt, but excluding exempt debt, shall never exceed ten and one-half percent (10.5%) of such total assessed valuation. The two limitations, referred to as the “direct debt limitations” may be amended from time to time by the General Assembly.

Ohio law provides that certain forms of municipal debt are exempt from the direct debt limitations (“exempt debt”). Exempt debt includes, among others, general obligation debt, to the extent that such debt is “self-supporting” (that is, revenues from the facilities financed are sufficient to pay applicable operating and maintenance expenses and related debt service and other requirements); bonds issued in anticipation of the collection of special assessments; revenue bonds; unvoted debt to the extent that the authorizing legislation includes covenants to appropriate annually from lawfully available municipal income taxes in amounts necessary to pay debt service charges on the obligations; notes issued in anticipation of the collection of current revenues or in anticipation of the proceeds of a specific tax levy; notes issued for certain emergency purposes; and bonds issued to pay final judgments. Notes issued in anticipation of such bonds are also exempt from the direct debt limitations. Currently, the direct debt limitation of 10.5

percent and 5.5 percent for the city are \$1.759 billion and \$921.4 million respectively.

Indirect Debt Limitations; The Ten Mill Tax Limitation

Ohio law requires that general obligation bonded indebtedness cannot be incurred or renewed unless provision is made in the legislation authorizing such debt for the levy of an ad valorem property tax in an amount sufficient to pay the principal of and interest on such indebtedness when due. Ohio law also provides that the aggregate amount of such taxes that can be levied for all purposes without a vote of the electors cannot exceed ten mills per one dollar of assessed valuation.

With respect to unvoted general obligation debt, these two requirements — the requirement that provision be made for the levy of taxes to support such debt and the requirement that the total amount of unvoted property taxes which can be levied cannot exceed ten mills per one dollar of valuation — have been construed by the Ohio Supreme Court to create an indirect debt limitation on the issuance by a political subdivision of unvoted general obligation debt.

The ten mills, which may be levied without a vote of the electors, are allocated among the overlapping political subdivisions of the State pursuant to a statutory formula. This “inside” millage allocated to each political subdivision is required to be used first for the payment of debt service on unvoted general obligation debt of the subdivision, unless provision has been made for payment of the debt from other sources; second for partial police and fire pension requirements; and, the balance for other general fund purposes. To the extent this millage is required for debt service, the amount that would otherwise be available for general fund purposes is reduced.

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A subdivision's allocation of inside millage can be increased by action of the Franklin County Budget Commission pursuant to statute only in the event additional millage is required for the payment of debt service on its unvoted general obligation debt and, in that case, the inside millage allocated to the other overlapping subdivisions would be reduced to bring the aggregate levies of inside millage within the ten mill limitation.

The ten mill limitation applies even if the debt service on unvoted general obligation debt is expected to be paid from special assessments, utility earnings or other non-tax revenue sources. However, revenue bonds and notes and other special obligations of an issuer, payable solely from specifically pledged revenues, are not included in calculating debt subject to the ten mill limitation because the debt is not general obligation indebtedness of the issuer and the full faith and credit of the issuer is not pledged for their payment.

In determining whether or not unvoted general obligation debt to be issued by the city is within the ten mill limitation, it is first necessary to determine how much millage has already been committed for the outstanding unvoted general obligation debt of the city and how much millage has been committed by each overlapping political subdivision for its outstanding unvoted general obligation debt. The amount of such committed millage for each political subdivision is that which will be required for

all of such subdivision's outstanding unvoted general obligation debt for that fiscal year in which the debt service charges of that subdivision for such debt will be the highest. In the case of notes issued in anticipation of bonds, the debt service requirements estimated for the bonds anticipated by the notes are used to calculate the millage required.

The city overlaps several political subdivisions and it is therefore necessary to determine, with respect to each such subdivision, how much millage that subdivision has committed for its outstanding unvoted general obligation debt. The aggregate millage that has been committed by that combination of overlapping subdivisions that yields the highest total of committed millage thus determines the millage within the ten mill limitation which is available and can be committed to service additional unvoted general obligation debt.

The following table represents the estimated inside millage requirements for the city and its overlapping subdivisions as of October 16, 2019 for Franklin, Fairfield, and Delaware Counties. Other political subdivisions within Franklin, Fairfield or Delaware County may issue unvoted general obligation debt which would cause the requirements below to change. However, any such issues, including those of the city, will not exceed the indirect debt limit under Ohio law.

Political Subdivision of State of Ohio	Mills Required		
	Franklin	Fairfield	Delaware
Maximum Millage Permitted	10.0000	10.0000	10.0000
Direct			
City of Columbus	3.2762	4.4132	4.3967
Overlapping			
County	0.7448	1.6259	0.4451
School District	2.5465	-	0.2118
Joint Vocational School District	-	0.0418	-
Solid Waste Authority of Central Ohio	0.2544	0.2543	0.2573
Township	2.0330	-	-
Millage Required	8.8549	6.3352	5.3109
Total Remaining Millage Capacity	1.1451	3.6648	4.6891

Debt Service Payments

During fiscal year 2019, the city will have retired approximately \$248.9 million in principal of general obligation debt and issued an additional \$311.9 million in general obligation bonds and notes. Along with issuing new debt, the city refunds existing debt to try and achieve the maximum amount of savings possible. Beginning with fiscal year 2020, approximately 64.46 percent of the principal payments on the city's outstanding general obligation and revenue bonds will fully mature within the next ten years. The table below demonstrates the debt service schedule for existing general obligation bonds and revenue bonds and is exclusive of OWDA outstanding balances.

EXISTING DEBT SERVICE			
GENERAL OBLIGATION AND REVENUE BONDS			
Period Ending	Principal	Interest	Total
2020	\$ 264,221,092	\$ 137,706,182	\$ 401,927,274
2021	273,596,091	127,810,206	401,406,297
2022	264,296,091	116,158,216	380,454,307
2023	253,003,271	105,442,433	358,445,704
2024	251,373,271	93,309,843	344,683,114
2025	257,508,271	83,375,791	340,884,062
2026	230,883,271	72,377,637	303,260,908
2027	213,828,271	61,225,668	275,053,939
2028	185,678,270	52,519,243	238,197,513
2029	228,830,000	44,192,328	273,022,328
2030	218,765,000	34,598,667	253,363,667
2031	208,400,000	25,868,783	234,268,783
2032	188,080,000	18,589,302	206,669,302
2033	101,790,000	13,479,026	115,269,026
2034	79,685,000	9,744,028	89,429,028
2035	62,415,000	6,779,073	69,194,073
2036	44,495,000	4,570,816	49,065,816
2037	32,640,000	2,910,082	35,550,082
2038	21,205,000	1,626,444	22,831,444
2039	14,900,000	788,312	15,688,312
2040	8,700,000	211,104	8,911,104
Total	\$ 3,404,292,899	\$ 1,013,283,184	\$ 4,417,576,083

Note: Interest payments associated with variable rate debt are not included.

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Of the existing outstanding debt service, the funding breakdown over the next five years is listed below. These amounts include both principal and interest payments.

DEBT SERVICE BY FUND GENERAL OBLIGATION AND REVENUE BONDS						
Fund Type	2020	2021	2022	2023	2024	Total
Non-Enterprise Fund						
SIT Fund Supported	\$ 223,298,124	\$ 220,956,881	\$ 208,520,379	\$ 188,079,678	\$ 175,440,600	\$ 1,016,295,662
Non-Enterprise Sub Total	223,298,124	220,956,881	208,520,379	188,079,678	175,440,600	1,016,295,662
Enterprise Funds						
Water	77,358,046	77,136,766	71,977,591	67,107,816	63,526,628	357,106,847
Sanitary Sewer	76,318,546	78,808,156	77,113,935	81,893,732	85,646,150	399,780,519
Storm	14,359,403	13,674,937	12,978,419	12,284,348	11,662,627	64,959,734
Electricity	1,036,741	1,349,700	1,313,868	1,277,786	1,233,330	6,211,425
Enterprise Sub Total	169,072,736	170,969,559	163,383,813	162,563,682	162,068,735	828,058,525
Internal Service Funds						
Fleet Management	4,752,105	4,533,465	4,414,701	4,283,936	4,135,398	22,119,605
Information Services	4,804,309	4,946,392	4,135,414	3,518,408	3,038,381	20,442,904
Internal Service Sub Total	9,556,414	9,479,857	8,550,115	7,802,344	7,173,779	42,562,509
Total	\$ 401,927,274	\$ 401,406,297	\$ 380,454,307	\$ 358,445,704	\$ 344,683,114	\$ 1,886,916,696
Note: Interest payments associated with variable rate debt are not included.						

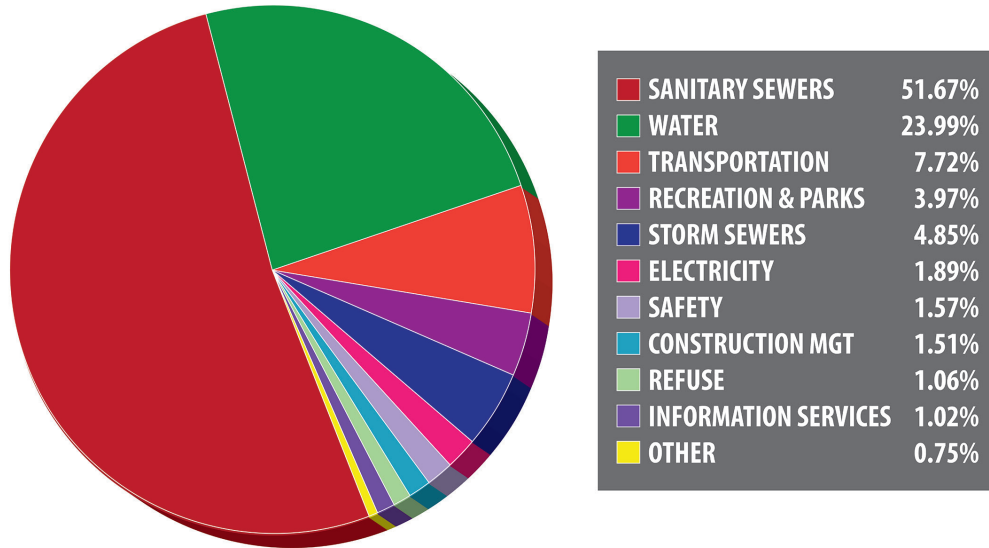
The Proposed 2020-2025 Capital Improvement Program

The proposed Capital Improvement Program provides approximately \$3.44 billion in funding for various capital improvements for the period of 2020-2025. Of this amount, \$569.86 million is to be supported by the SIT while \$2.83 billion will be supported by the enterprise agencies of the city. The proposed 2020-2025 CIP represents a 2.5 percent decrease from the adopted 2019-2024 CIP. The proposed 2020 CIB totals approximately \$920.62 million.

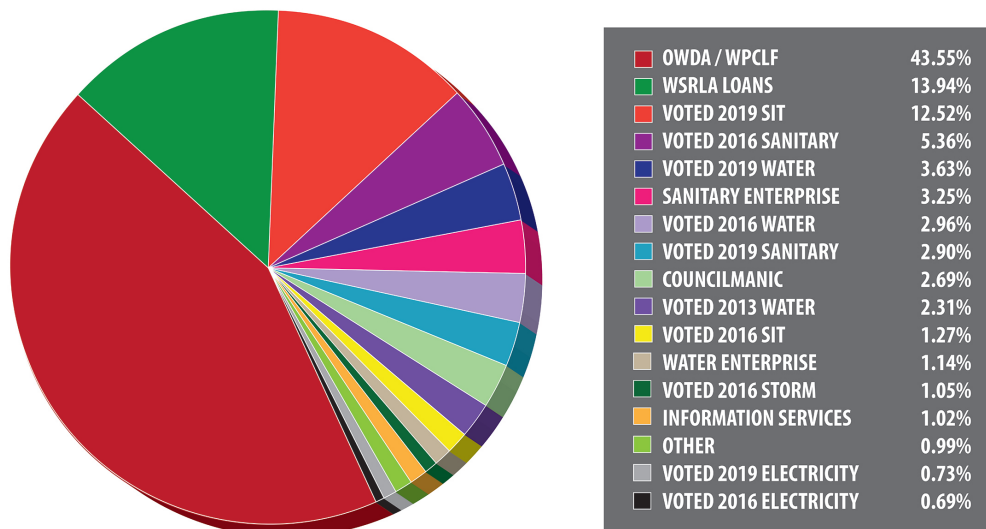
The administration intends to continue to review the proposed CIP through the end of the year. It is possible that adjustments to the proposed plan could occur to accommodate changes in priorities and financial assumptions.

PROPOSED 2020-2025 CAPITAL IMPROVEMENTS PROGRAM

CIP % by Division



CIP % by Funding Source



Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM									
								Total	
DEPARTMENT PROJECT		2020	2021	2022	2023	2024	2025	Budget	Funding Source
PUBLIC SAFETY									
POLICE									
Police Facility Renovation	\$	430,000	\$ -	\$ -	\$ -	\$ -	\$ -	430,000	Voted 2016 Debt SIT Supported
Police Facility Renovation		1,250,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	9,650,000	Voted 2019 SIT Supported
Subtotal - POLICE	\$	1,680,000	\$ 1,680,000	\$ 1,680,000	\$ 1,680,000	\$ 1,680,000	\$ 1,680,000	\$ 10,080,000	
FIRE									
Fire Facility Renovation	\$	1,320,000	\$ -	\$ -	\$ -	\$ -	\$ -	1,320,000	Voted 2016 Debt SIT Supported
Fire Facility Renovation		-	1,320,000	1,320,000	1,320,000	1,320,000	1,320,000	6,600,000	Voted 2019 SIT Supported
Fire Apparatus Replacement - Medics		2,000,000	-	-	-	-	-	2,000,000	Voted 2016 Debt SIT Supported
Fire Apparatus Replacement - Medics		-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	Voted 2019 SIT Supported
Fire Apparatus Replacement - Platform Ladders		2,000,000	-	-	-	-	-	2,000,000	Voted 2016 Debt SIT Supported
Fire Apparatus Replacement - Platform Ladders		-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	Voted 2019 SIT Supported
Fire Apparatus Replacement - Engines		2,000,000	-	-	-	-	-	2,000,000	Voted 2016 Debt SIT Supported
Fire Apparatus Replacement - Engines		-	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	Voted 2019 SIT Supported
Subtotal - FIRE	\$	7,320,000	\$ 7,320,000	\$ 7,320,000	\$ 7,320,000	\$ 7,320,000	\$ 7,320,000	\$ 43,920,000	
DEVELOPMENT									
DEVELOPMENT ADMINISTRATION									
Green Columbus Fund	\$	1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	6,000,000	Councilmanic SIT Supported
Economic & Community Development		250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	Councilmanic SIT Supported
Housing Preservation		2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	Councilmanic SIT Supported
Emergency Shelter Repair		350,000	350,000	350,000	350,000	350,000	350,000	2,100,000	Councilmanic SIT Supported
Subtotal - DEVELOPMENT ADMINISTRATION	\$	3,600,000	\$ 3,600,000	\$ 3,600,000	\$ 3,600,000	\$ 3,600,000	\$ 3,600,000	\$ 21,600,000	
FINANCE AND MANAGEMENT									
CONSTRUCTION MANAGEMENT									
Facility Renovations - Project cost Allocation	\$	600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	3,600,000	Councilmanic SIT Supported
Facility Renovations - Various		7,590,000	2,748,000	2,748,000	2,748,000	2,748,000	2,748,000	21,330,000	Councilmanic SIT Supported
Construction Management - Design Services		250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	Councilmanic SIT Supported
Construction Management - Project Management		250,000	250,000	250,000	250,000	250,000	250,000	1,500,000	Councilmanic SIT Supported
City Hall Renovations - Various		-	2,642,000	2,642,000	2,642,000	2,642,000	2,642,000	13,210,000	Councilmanic SIT Supported
Municipal Court - Phased Renovations		-	2,200,000	2,200,000	2,200,000	2,200,000	2,200,000	11,000,000	Councilmanic SIT Supported
Subtotal - CONSTRUCTION MANAGEMENT	\$	8,690,000	\$ 8,690,000	\$ 8,690,000	\$ 8,690,000	\$ 8,690,000	\$ 8,690,000	\$ 52,140,000	
FLEET MANAGEMENT									
Fleet Automated Fuel Location Upgrades	\$	100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	600,000	Fleet Management (Unvoted)
Fleet Equipment Replacement		100,000	100,000	100,000	100,000	100,000	100,000	600,000	Fleet Management (Unvoted)
Fuel Tank Management		200,000	600,000	600,000	600,000	600,000	600,000	3,200,000	Fleet Management (Unvoted)
Subtotal - FLEET MANAGEMENT	\$	400,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,400,000	
TECHNOLOGY									
TECHNOLOGY ADMINISTRATION									
Data Center Facility Upgrades	\$	1,490,000	\$ 1,825,000	\$ 240,000	\$ 200,000	\$ 250,000	\$ 1,500,000	5,505,000	Information Services
Connectivity Project Fiber/Wireless		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,500,000	6,500,000	Information Services
CTSS Fiber Purchase B,C,D,E		1,000,000	-	1,100,000	-	1,300,000	-	3,400,000	Information Services
Enterprise System Upgrades		400,000	375,000	1,000,000	650,000	1,300,000	2,000,000	5,725,000	Information Services
E-Gov Initiatives		150,000	-	250,000	250,000	-	-	650,000	Information Services
Media Services Equipment and Infrastructure		50,000	-	150,000	25,000	50,000	60,000	335,000	Information Services
Network Improvements		400,000	400,000	630,000	600,000	1,700,000	1,000,000	4,730,000	Information Services
Data Management Services		520,000	-	-	-	500,000	180,000	1,200,000	Information Services
VMWare Workspace One		600,000	-	-	-	-	-	600,000	Information Services
Telephony and IVR Infrastructure		545,000	300,000	500,000	830,000	1,200,000	500,000	3,875,000	Information Services

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2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT							Total							
	2020	2021	2022	2023	2024	2025	Budget	Funding Source						
Security Program	200,000	200,000	100,000	300,000	-	-	800,000	Information Services						
GIS	90,000	90,000	90,000	90,000	250,000	90,000	700,000	Information Services						
Applications	200,000	-	550,000	500,000	-	-	1,250,000	Information Services						
Subtotal - TECHNOLOGY ADMINISTRATION							\$ 6,645,000	\$ 4,190,000	\$ 5,610,000	\$ 4,445,000	\$ 7,550,000	\$ 6,830,000	\$ 35,270,000	
RECREATION AND PARKS														
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Urban Infra.- Rec & Parks	\$ 753,200	\$ 753,200	\$ -	\$ -	\$ -	\$ -	\$ 1,506,400	Voted 2016 Debt SIT Supported						
Urban Infra.- Rec & Parks	-	-	753,200	753,200	753,200	753,200	3,012,800	Voted 2019 SIT Supported						
Renovation - Misc.	3,386,800	-	-	-	-	-	3,386,800	Voted 2016 Debt SIT Supported						
Renovation - Misc.	-	7,386,800	7,386,800	7,386,800	7,386,800	7,386,800	36,934,000	Voted 2019 SIT Supported						
Renovation - Cost Allocation	500,000	500,000	-	-	-	-	1,000,000	Voted 2016 Debt SIT Supported						
Renovation - Cost Allocation	-	-	500,000	500,000	500,000	500,000	2,000,000	Voted 2019 SIT Supported						
Facility Assessment Implementation	4,000,000	-	-	-	-	-	4,000,000	Voted 2016 Debt SIT Supported						
Hard Surface Improvements	800,000	800,000	-	-	-	-	1,600,000	Voted 2016 Debt SIT Supported						
Hard Surface Improvements	-	-	800,000	800,000	800,000	800,000	3,200,000	Voted 2019 SIT Supported						
Roof Improvements	800,000	800,000	-	-	-	-	1,600,000	Voted 2016 Debt SIT Supported						
Roof Improvements	-	-	800,000	800,000	800,000	800,000	3,200,000	Voted 2019 SIT Supported						
Maintenance Equipment - Parks	250,000	250,000	-	-	-	-	500,000	Voted 2016 Debt SIT Supported						
Maintenance Equipment - Parks	-	-	250,000	250,000	250,000	250,000	1,000,000	Voted 2019 SIT Supported						
Street Trees - Green Initiative	400,000	400,000	-	-	-	-	800,000	Voted 2016 Debt SIT Supported						
Street Trees - Green Initiative	-	-	400,000	400,000	400,000	400,000	1,600,000	Voted 2019 SIT Supported						
Safe Playgrounds	500,000	500,000	-	-	-	-	1,000,000	Voted 2016 Debt SIT Supported						
Safe Playgrounds	-	-	500,000	500,000	500,000	500,000	2,000,000	Voted 2019 SIT Supported						
New Development - Misc.	-	-	-	-	-	785,000	785,000	Councilmanic SIT Supported						
New Development - Misc.	5,227,200	2,949,000	-	-	-	-	8,176,200	Voted 2016 Debt SIT Supported						
New Development - Misc.	-	2,278,200	5,227,200	5,227,200	5,227,200	4,442,200	22,402,000	Voted 2019 SIT Supported						
New Development - Cost Allocation	240,000	240,000	-	-	-	-	480,000	Voted 2016 Debt SIT Supported						
New Development - Cost Allocation	-	-	240,000	240,000	240,000	240,000	960,000	Voted 2019 SIT Supported						
Acquisition - Misc.	1,524,600	1,524,600	-	-	-	-	3,049,200	Voted 2016 Debt SIT Supported						
Acquisition - Misc.	-	-	1,524,600	1,524,600	1,524,600	1,524,600	6,098,400	Voted 2019 SIT Supported						
Acquisition - Cost Allocation	70,000	70,000	-	-	-	-	140,000	Voted 2016 Debt SIT Supported						
Acquisition - Cost Allocation	-	-	70,000	70,000	70,000	70,000	280,000	Voted 2019 SIT Supported						
Program Projects (Small) - Cost Allocation	70,000	70,000	-	-	-	-	140,000	Voted 2016 Debt SIT Supported						
Program Projects (Small) - Cost Allocation	-	-	70,000	70,000	70,000	70,000	280,000	Voted 2019 SIT Supported						
Program Projects (Small) - Golf Misc.	762,300	762,300	-	-	-	-	1,524,600	Voted 2016 Debt SIT Supported						
Program Projects (Small) - Golf Misc.	-	-	762,300	762,300	762,300	762,300	3,049,200	Voted 2019 SIT Supported						
Program Projects (Small) - Sports Misc.	548,856	548,856	-	-	-	-	1,097,712	Voted 2016 Debt SIT Supported						
Program Projects (Small) - Sports Misc.	-	-	548,856	548,856	548,856	548,856	2,195,424	Voted 2019 SIT Supported						
Program Projects (Small) - Rental Services Misc.	213,444	213,444	-	-	-	-	426,888	Voted 2016 Debt SIT Supported						
Program Projects (Small) - Rental Services Misc.	-	-	213,444	213,444	213,444	213,444	853,776	Voted 2019 SIT Supported						
Program Projects (Large) - Misc.	189,000	1,089,000	-	-	-	-	1,278,000	Voted 2016 Debt SIT Supported						
Program Projects (Large) - Misc.	-	-	1,089,000	1,089,000	1,089,000	1,089,000	4,356,000	Voted 2019 SIT Supported						
Program Projects (Large) - Cost Allocation	50,000	50,000	-	-	-	-	100,000	Voted 2016 Debt SIT Supported						
Program Projects (Large) - Cost Allocation	-	-	50,000	50,000	50,000	50,000	200,000	Voted 2019 SIT Supported						
North Bank Pavilion Patio Improvements	900,000	-	-	-	-	-	900,000	Voted 2016 Debt SIT Supported						
Emergency Replacement - Misc.	871,200	871,200	-	-	-	-	1,742,400	Voted 2016 Debt SIT Supported						
Emergency Replacement - Misc.	-	-	871,200	871,200	871,200	871,200	3,484,800	Voted 2019 SIT Supported						
Emergency Replacement - Cost Allocation	40,000	40,000	-	-	-	-	80,000	Voted 2016 Debt SIT Supported						
Emergency Replacement - Cost Allocation	-	-	40,000	40,000	40,000	40,000	160,000	Voted 2019 SIT Supported						
Opportunity Projects - Misc.	653,400	653,400	-	-	-	-	1,306,800	Voted 2016 Debt SIT Supported						
Opportunity Projects - Misc.	-	-	653,400	653,400	653,400	653,400	2,613,600	Voted 2019 SIT Supported						
Opportunity Projects - Cost Allocation	30,000	30,000	-	-	-	-	60,000	Voted 2016 Debt SIT Supported						
Opportunity Projects - Cost Allocation	-	-	30,000	30,000	30,000	30,000	120,000	Voted 2019 SIT Supported						
Subtotal - RECREATION AND PARKS							\$ 22,780,000	\$ 22,780,000	\$ 22,780,000	\$ 22,780,000	\$ 22,780,000	\$ 22,780,000	\$ 136,680,000	

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Public Service								
TRANSPORTATION								
UIRF - Urban Infrastructure Recovery Fund	\$ 5,651,813	\$ 5,651,813	\$ 5,651,813	\$ 5,651,813	\$ 5,651,813	\$ 5,651,813	\$ 33,910,878	Voted 2019 SIT Supported
UIRF - Milo Grogan Second Avenue Improvements	700,000	-	-	-	-	-	700,000	Voted 2019 SIT Supported
NCR-TBD	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000	Voted 2019 SIT Supported
Intersection Improvements - Hilliard Rome Road at Feder Road	216,350	-	-	-	-	-	216,350	Voted 2019 SIT Supported
Intersection Improvements - Georgesville Road at Hall Road	402,181	-	-	-	-	-	402,181	Voted 2019 SIT Supported
Arterial Street Rehabilitation - SR161 - I-71 to Cleveland Avenue Phase I	1,927,263	500,000	2,841,794	-	-	-	5,269,057	Voted 2019 SIT Supported
Roadway Improvements - Utility Relocation Reimbursements	100,000	100,000	100,000	100,000	100,000	100,000	600,000	Voted 2019 SIT Supported
Roadway Improvements - Miscellaneous Construction Inspection	100,000	100,000	100,000	100,000	100,000	100,000	600,000	Voted 2019 SIT Supported
Roadway Improvements - Miscellaneous Right of Way Acquisition	100,000	100,000	100,000	100,000	100,000	100,000	600,000	Voted 2019 SIT Supported
Roadway Improvements - I70/71 South and East Freeway	-	-	-	5,281,794	5,281,794	5,281,794	15,845,382	Voted 2019 SIT Supported
Resurfacing - Urban Paving - FRA-23-15.31 (Indianola Ave.) PID 106095	250,000	531,180	-	-	-	-	781,180	Voted 2019 SIT Supported
Resurfacing - Resurfacing Projects	15,557,980	16,918,820	17,450,000	17,450,000	17,450,000	17,450,000	102,276,800	Voted 2019 SIT Supported
Resurfacing - West Broad Street Urban Paving (PID 86645)	300,000	-	-	-	-	-	300,000	Voted 2019 SIT Supported
Resurfacing - Resurfacing Coordination with future DPU projects	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,000,000	Voted 2019 SIT Supported
Resurfacing-Urban Paving-FRA 62-12.44 (Town St/Glenwood Av/Rich St)	354,300	-	-	-	-	-	354,300	Voted 2019 SIT Supported
Resurfacing - In House Design Right of Way Fund	50,000	50,000	50,000	50,000	50,000	50,000	300,000	Voted 2019 SIT Supported
Resurfacing - Citywide Brick Rehabilitation	750,000	-	750,000	-	750,000	-	2,250,000	Voted 2019 SIT Supported
Resurfacing - Concrete Rehabilitation	750,000	-	750,000	-	750,000	-	2,250,000	Voted 2019 SIT Supported
Resurfacing - Coordination with Bexley for Gould Road	350,000	-	-	-	-	-	350,000	Voted 2019 SIT Supported
Resurfacing - Urban Paving - FRA-40-7.70 (W. Broad St) PID106097	487,720	-	-	-	-	-	487,720	Voted 2019 SIT Supported
Resurfacing - Urban Paving - FRA-161-14.02 (E. Dublin-Granville Rd)	150,000	-	-	-	-	-	150,000	Voted 2019 SIT Supported
Resurfacing - Preventative Surface Treatments - Crack Seal	-	750,000	-	750,000	-	750,000	2,250,000	Voted 2019 SIT Supported
Resurfacing - Preventative Surface Treatments - Slurry Seal	-	750,000	-	750,000	-	750,000	2,250,000	Voted 2019 SIT Supported
Bridge Rehabilitation - General Engineering Bridges	300,000	-	300,000	-	300,000	-	900,000	Voted 2019 SIT Supported
Bridge Rehabilitation - Annual Citywide Contract	1,051,393	3,371,393	3,071,393	3,371,393	3,071,393	3,371,393	17,308,358	Voted 2019 SIT Supported
Bridge Rehabilitation - Lehman Road Bridge Replacement	1,320,000	-	-	-	-	-	1,320,000	Voted 2019 SIT Supported
Housing Initiatives - Roadway	800,000	800,000	800,000	800,000	800,000	800,000	4,800,000	Voted 2019 SIT Supported
Intersection Improvements - SR 161 at Karl Rd	800,000	205,000	2,440,000	-	-	-	3,445,000	Voted 2019 SIT Supported
Bikeway Development	317,067	279,021	147,553	750,000	550,000	1,450,000	3,493,641	Voted 2019 SIT Supported
Bikeway Development - Bikeway Resurfacing Contributions	-	100,000	-	100,000	100,000	100,000	400,000	Voted 2019 SIT Supported
Bikeway Development - Olentangy River Rd SUP-McConnell to Garrett	-	-	-	50,000	900,000	-	950,000	Voted 2019 SIT Supported
Bikeway Development-Refugee Rd over Big Walnut Creek Shared Use Path	-	810,000	-	-	-	-	810,000	Voted 2019 SIT Supported
Bikeway Development-Georgesville Rd SUP - Hall Rd to Clime Rd	360,629	120,210	1,402,447	-	-	-	1,883,286	Voted 2019 SIT Supported
Bikeway Development - Tussing Road SUP (Brice Rd to Hines Rd)	722,304	240,769	-	-	-	-	963,073	Voted 2019 SIT Supported
Bikeway Development - Kenny Road SUP (Kinnear Rd to Ackerman Rd)	-	-	-	650,000	-	-	650,000	Voted 2019 SIT Supported
Bikeway Development - Active Transportation Network Prioritization	100,000	-	-	-	-	-	100,000	Voted 2019 SIT Supported
Bikeway Development - Indianola-Summit Bikeway Gaps Connection	250,000	-	-	-	-	-	250,000	Voted 2019 SIT Supported
Bikeway Development - Low Stress Bikeways	250,000	450,000	450,000	450,000	450,000	450,000	2,500,000	Voted 2019 SIT Supported
Pedestrian Safety Improvements - Sidewalk Program	200,000	1,365,440	-	3,200,000	3,200,000	3,200,000	11,165,440	Voted 2019 SIT Supported
Pedestrian Safety Improvement - Sidewalk Replacement (Tree Root)	650,000	750,000	500,000	500,000	500,000	500,000	3,400,000	Voted 2019 SIT Supported
Pedestrian Safety Improvements - Sidewalk NOV	299,480	300,000	270,200	300,000	300,000	300,000	1,769,680	Voted 2019 SIT Supported
Pedestrian Safety Improvements - Worthington Woods Blvd Sidewalks (Sancus to Deer Creek)	1,900,000	-	-	-	-	-	1,900,000	Voted 2019 SIT Supported
Pedestrian Safety - Courtright Rd Sidewalks (Courtright Ln to Groves Rd)	415,260	92,280	1,614,900	-	-	-	2,122,440	Voted 2019 SIT Supported
Pedestrian Safety -Walford St and Sharbot Dr Sidewalks	415,260	92,280	1,614,900	-	-	-	2,122,440	Voted 2019 SIT Supported
Pedestrian Safety Improvements-Maple Canyon Avenue Sidewalks	120,000	1,400,000	-	-	-	-	1,520,000	Voted 2019 SIT Supported
CelebrateOne Sidewalk Gaps	540,000	-	-	-	-	-	540,000	Voted 2019 SIT Supported
Operation Sidewalks - School Sidewalk - Olive Street - Floral Avenue	90,000	1,320,000	-	-	-	-	1,410,000	Voted 2019 SIT Supported
Operation Safewalks - School Sidewalk - Sycamore Street (Carpenter St to Champion Av)	70,000	550,000	-	-	-	-	620,000	Voted 2019 SIT Supported
Operation Safewalks - School Sidewalk - Ann Street and 17th Street	150,000	800,000	-	-	-	-	950,000	Voted 2019 SIT Supported

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
CelebrateOne - Blueprint Linden - Hudson McGuffey Sidewalk	100,000	376,794	-	-	-	-	476,794	Voted 2019 SIT Supported
CelebrateOne Sidewalk - Hilltop (Belvidere from Mound to Sullivan)	814,000	-	-	-	-	-	814,000	Voted 2019 SIT Supported
CelebrateOne Sidewalk - Near South (Deshler from 18th Street to Lockbourne Avenue)	117,000	-	-	-	-	-	117,000	Voted 2019 SIT Supported
Operation Safewalks – School Sidewalks – Noe Bixby (Refugee to Carbondale)	30,000	385,000	-	-	-	-	415,000	Voted 2019 SIT Supported
CelebrateOne Sidewalk - Hamilton Avenue - Minnesota Avenue to Weber Road	515,000	-	-	-	-	-	515,000	Voted 2019 SIT Supported
CelebrateOne Sidewalk – Hamilton Av and Briarwood Ave along Linden Park	125,000	-	-	-	-	-	125,000	Voted 2019 SIT Supported
Subtotal - TRANSPORTATION	\$ 46,405,000	\$ 43,905,000	\$ 43,905,000	\$ 43,905,000	\$ 43,905,000	\$ 43,905,000	\$ 265,930,000	
REFUSE COLLECTION								
Mechanized Collection Equipment	\$ -	\$ -	\$ -	\$ 4,930,000	\$ 4,930,000	\$ 4,930,000	\$ 14,790,000	Councilmanic SIT Supported
Mechanized Collection Equipment	4,930,000	4,930,000	4,930,000	-	-	-	14,790,000	Voted 2019 SIT Supported
Alum Creek Remediation - Facility Improvements	-	-	-	100,000	100,000	100,000	300,000	Councilmanic SIT Supported
Alum Creek Remediation - Facility Improvements	100,000	100,000	100,000	-	-	-	300,000	Voted 2019 SIT Supported
Mechanized Collection Equipment - Containers	1,050,000	1,050,000	1,050,000	1,000,000	-	-	4,150,000	Voted 2019 SIT Supported
Recycling Containers - ROW	-	-	-	50,000	1,050,000	1,050,000	2,150,000	Councilmanic SIT Supported
Subtotal - REFUSE COLLECTION	\$ 6,080,000	\$ 6,080,000	\$ 6,080,000	\$ 6,080,000	\$ 6,080,000	\$ 6,080,000	\$ 36,480,000	
Public Utilities								
STORM SEWER								
Fountain Square Stormwater System Improvements	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	WPCLF/OWDA
Storm Sewer Large Diameter Condition Assessment Phase 1	-	300,000	-	200,000	-	-	500,000	Voted 2016 Debt - Storm
Storm Sewer Large Diameter Condition Assessment Phase 1	-	-	-	2,000,000	-	-	2,000,000	WPCLF/OWDA
General Construction Contract (Storm)	-	-	-	1,150,000	1,150,000	1,150,000	3,450,000	Storm Sewer Enterprise (Unvoted)
General Construction Contract (Storm)	1,150,000	1,150,000	1,150,000	-	-	-	3,450,000	Voted 2016 Debt - Storm
Storm Sewer Large Diameter Condition Assessment Phase 2	-	-	-	-	-	200,000	200,000	Storm Sewer Enterprise (Unvoted)
Storm Sewer Large Diameter Condition Assessment Phase 2	-	1,500,000	-	300,000	-	-	1,800,000	Voted 2016 Debt - Storm
Storm Sewer Large Diameter Condition Assessment Phase 2	-	-	-	-	-	2,000,000	2,000,000	WPCLF/OWDA
Storm Sewer Large Diameter Condition Assessment Phase 3	-	-	-	-	300,000	-	300,000	Storm Sewer Enterprise (Unvoted)
Storm Sewer Large Diameter Condition Assessment Phase 3	-	-	1,500,000	-	-	-	1,500,000	Voted 2016 Debt - Storm
Storm Sewer Large Diameter Condition Assessment Phase 4	-	-	-	-	-	300,000	300,000	Storm Sewer Enterprise (Unvoted)
Storm Sewer Large Diameter Condition Assessment Phase 4	-	-	-	1,500,000	-	-	1,500,000	Voted 2016 Debt - Storm
Storm Sewer Large Diameter Condition Assessment Phase 5	-	-	-	-	1,500,000	-	1,500,000	Storm Sewer Enterprise (Unvoted)
Storm Sewer Large Diameter Condition Assessment Phase 6	-	-	-	-	-	1,500,000	1,500,000	Storm Sewer Enterprise (Unvoted)
Petzinger Rd Stormwater Imps	150,000	-	-	-	-	-	150,000	Voted 2016 Debt - Storm
Petzinger Rd Stormwater Imps	1,100,000	-	-	-	-	-	1,100,000	WPCLF/OWDA
2020 General Engineering Svcs. - Storm	400,000	-	-	-	-	-	400,000	Voted 2016 Debt - Storm
2021 General Engineering Svcs. - Storm	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Storm
General Engineering Services - Storm - 2022	-	-	400,000	-	-	-	400,000	Voted 2016 Debt - Storm
2023 General Engineering Svcs. - Storm	-	-	-	400,000	-	-	400,000	Voted 2016 Debt - Storm
2024 General Engineering Svcs. - Storm	-	-	-	-	400,000	400,000	800,000	Storm Sewer Enterprise (Unvoted)
Linworth Rd/Meeklynn Dr Storm Sewer	-	-	150,000	-	-	-	150,000	Voted 2016 Debt - Storm
Linworth Rd/Meeklynn Dr Storm Sewer	-	-	1,000,000	-	-	-	1,000,000	WPCLF/OWDA
Linden Neighborhood Stormwater System Improvements Phase 2	150,000	-	-	-	-	-	150,000	Voted 2016 Debt - Storm
Linden Neighborhood Stormwater System Improvements Phase 2	1,000,000	-	-	-	-	-	1,000,000	WPCLF/OWDA
West North Broadway Detention Basin Modification	-	98,000	-	-	-	-	98,000	Voted 2016 Debt - Storm
West North Broadway Detention Basin Modification	-	650,000	-	-	-	-	650,000	WPCLF/OWDA
Detention Basin Modifications IV	-	-	100,000	100,000	-	-	200,000	Voted 2016 Debt - Storm
Detention Basin Modifications IV	-	-	-	650,000	-	-	650,000	WPCLF/OWDA
Detention Basin Modifications V	-	-	-	-	100,000	-	100,000	Storm Sewer Enterprise (Unvoted)
Detention Basin Modifications V	-	-	-	100,000	-	-	100,000	Voted 2016 Debt - Storm
Detention Basin Modifications V	-	-	-	-	650,000	-	650,000	WPCLF/OWDA
Detention Basin Modifications VI	-	-	-	-	100,000	100,000	200,000	Storm Sewer Enterprise (Unvoted)
Detention Basin Modifications VI	-	-	-	-	-	650,000	650,000	WPCLF/OWDA
Old Beechwood Area Stormwater System Improvements	2,500,000	-	-	-	-	-	2,500,000	WPCLF/OWDA
Joint Storm Sewer Projects with DPS	-	-	-	-	1,000,000	1,000,000	2,000,000	Storm Sewer Enterprise (Unvoted)
Joint Storm Sewer Projects with DPS	2,000,000	1,000,000	1,000,000	1,000,000	-	-	5,000,000	Voted 2016 Debt - Storm

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Franklinton Area Stormwater System Improvements	750,000	5,000,000	-	2,000,000	-	-	7,750,000	Voted 2016 Debt - Storm
Franklinton Area Stormwater System Improvements	-	-	-	15,000,000	-	-	15,000,000	WPCLF/OWDA
Holton Park and Eureka Avenue Green Infrastructure Improvements	400,000	-	-	-	-	-	400,000	WPCLF/OWDA
ST-21, ST-22, ST-23 Improvements	1,650,000	-	-	3,000,000	-	-	4,650,000	Voted 2016 Debt - Storm
ST-21, ST-22, ST-23 Improvements	-	-	-	20,000,000	-	-	20,000,000	WPCLF/OWDA
SMOC SCADA Modernization at Remote Stormwater Facilities	-	-	-	1,815,500	-	540,000	2,355,500	Storm Sewer Enterprise (Unvoted)
SMOC SCADA Modernization at Remote Stormwater Facilities	-	-	-	34,500	-	-	34,500	Voted 2016 Debt - Storm
SMOC SCADA Modernization at Remote Stormwater Facilities	-	-	-	-	-	3,600,000	3,600,000	WPCLF/OWDA
Krieger Court Stormwater Improvements	-	200,000	375,000	-	-	-	575,000	Voted 2016 Debt - Storm
Krieger Court Stormwater Improvements	-	-	2,500,000	-	-	-	2,500,000	WPCLF/OWDA
Twin Lakes Upper Dam and Greenlawn Low Head Dam Improvements	-	475,000	-	-	-	-	475,000	Voted 2016 Debt - Storm
Twin Lakes Upper Dam and Greenlawn Low Head Dam Improvements	-	3,850,000	-	-	-	-	3,850,000	WPCLF/OWDA
Barnett Road Stormwater Improvements Project	25,000	-	110,000	-	-	-	135,000	Voted 2016 Debt - Storm
Barnett Road Stormwater Improvements Project	-	-	1,100,000	-	-	-	1,100,000	WPCLF/OWDA
Bethel Road Culvert Rehabilitation Project	400,000	-	-	-	-	-	400,000	WPCLF/OWDA
Cooke Rd. Culvert Improvements Project	250,000	210,000	97,500	-	-	-	557,500	Voted 2016 Debt - Storm
Cooke Rd. Culvert Improvements Project	-	-	650,000	-	-	-	650,000	WPCLF/OWDA
Second Avenue Sewer Improvements	-	50,000	-	-	-	-	50,000	Voted 2016 Debt - Storm
Second Avenue Sewer Improvements	-	-	4,000,000	-	-	-	4,000,000	WPCLF/OWDA
Mound Street Floodwall	-	-	1,200,000	-	-	-	1,200,000	WPCLF/OWDA
Floodwall Gate Sills	550,000	-	450,000	-	-	-	1,000,000	Voted 2016 Debt - Storm
Floodwall Gate Sills	-	-	5,000,000	-	-	-	5,000,000	WPCLF/OWDA
Thurston Grimsby Storm Sewer Improvements Project	-	-	127,875	127,875	-	-	255,750	Voted 2016 Debt - Storm
Thurston Grimsby Storm Sewer Improvements Project	-	-	-	-	852,500	-	852,500	WPCLF/OWDA
Astor Bernhard Storm Sewer Improvements	-	-	244,125	244,125	-	-	488,250	Voted 2016 Debt - Storm
Astor Bernhard Storm Sewer Improvements	-	-	-	-	1,627,500	-	1,627,500	WPCLF/OWDA
Gertrude Latimer Storm Sewer Improvements	-	-	616,125	616,125	-	-	1,232,250	Voted 2016 Debt - Storm
Gertrude Latimer Storm Sewer Improvements	-	-	-	-	4,107,500	-	4,107,500	WPCLF/OWDA
Plum Ridge Storm Improvements	-	-	174,375	174,375	-	-	348,750	Voted 2016 Debt - Storm
Plum Ridge Storm Improvements	-	-	-	-	1,162,500	-	1,162,500	WPCLF/OWDA
Minor Stormwater Drainage Improvements	-	-	-	-	300,000	300,000	600,000	Storm Sewer Enterprise (Unvoted)
Minor Stormwater Drainage Improvements	-	-	130,000	300,000	-	-	430,000	Voted 2016 Debt - Storm
Minor Stormwater Drainage Improvements	-	-	-	1,700,000	1,700,000	1,700,000	5,100,000	WPCLF/OWDA
Major Stormwater Drainage Improvements	-	-	-	-	620,000	620,000	1,240,000	Storm Sewer Enterprise (Unvoted)
Major Stormwater Drainage Improvements	-	620,000	620,000	620,000	-	-	1,860,000	Voted 2016 Debt - Storm
Major Stormwater Drainage Improvements	-	-	-	8,630,000	8,630,000	8,630,000	25,890,000	WPCLF/OWDA
Storm Sewer Lining Projects	-	-	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000	WPCLF/OWDA
Subtotal - STORM SEWER	\$ 16,475,000	\$ 15,503,000	\$ 23,695,000	\$ 62,662,500	\$ 25,200,000	\$ 23,690,000	\$ 167,225,500	
SANITARY SEWERS								
Real Time Control - Alum Creek Storm Tanks	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	WPCLF/OWDA
Real Time Control Sewer System Optimization, Part 2	500,000	500,000	500,000	-	-	-	1,500,000	Voted 2016 Debt - Sanitary Sewer
Real Time Control Sewer System Optimization, Part 2	-	-	-	500,000	500,000	-	1,000,000	Voted 2019 Debt - Sanitary
Hoover Farms Subtrunk	4,125,000	-	-	-	-	-	4,125,000	Voted 2016 Debt - Sanitary Sewer
SSES Overall Engineering Consultant (OEC) Services	300,000	300,000	-	-	-	-	600,000	Voted 2016 Debt - Sanitary Sewer
Overall Engineering Consultants (OEC) 2022-2026	-	-	-	-	246,985	300,000	546,985	Sanitary Sewer Enterprise (Unvoted)
Overall Engineering Consultants (OEC) 2022-2026	-	-	300,000	-	-	-	300,000	Voted 2016 Debt - Sanitary Sewer
Overall Engineering Consultants (OEC) 2022-2026	-	-	-	300,000	53,015	-	353,015	Voted 2019 Debt - Sanitary
Big Walnut Sanitary Trunk Extension, Phase 2	5,500,000	1,000,000	-	-	-	-	6,500,000	Voted 2016 Debt - Sanitary Sewer
Big Walnut Sanitary Trunk Extension, Phase 2	-	-	4,500,000	-	-	-	4,500,000	Voted 2019 Debt - Sanitary
Big Walnut Sanitary Trunk Extension, Phase 2	-	81,750,000	-	-	-	-	81,750,000	WPCLF/OWDA
Central College Subtrunk Extension Phase 3	32,000,000	-	-	-	-	-	32,000,000	WPCLF/OWDA
Blacklick Creek Interceptor Air Quality Facility Improvements	3,500,000	-	-	-	-	-	3,500,000	WPCLF/OWDA
Rocky Fork-Blacklick Connector Sewer	-	-	-	-	3,600,000	500,000	4,100,000	Sanitary Sewer Enterprise (Unvoted)
General Engineering Services - Sanitary - 2020	400,000	-	-	-	-	-	400,000	Voted 2016 Debt - Sanitary Sewer
General Engineering Services - Sanitary - 2021	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Sanitary Sewer

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
General Engineering Services - Sanitary - 2023	-	-	-	400,000	-	-	400,000	Voted 2019 Debt - Sanitary
General Engineering Services - Sanitary - 2024	-	-	-	-	400,000	-	400,000	Sanitary Sewer Enterprise (Unvoted)
General Engineering Services - Sanitary - 2025	-	-	-	-	-	400,000	400,000	Sanitary Sewer Enterprise (Unvoted)
Shadeville Sanitary Interceptor	4,000,000	-	2,000,000	-	-	-	6,000,000	Voted 2016 Debt - Sanitary Sewer
Shadeville Sanitary Interceptor	-	-	-	2,000,000	-	-	2,000,000	Voted 2019 Debt - Sanitary
Shadeville Sanitary Interceptor	-	-	-	-	-	133,500,000	133,500,000	WPCLF/OWDA
DOSD Roof Replacements, No. 2	3,165,000	3,125,000	2,380,000	-	-	-	8,670,000	Voted 2016 Debt - Sanitary Sewer
DOSD Roof Replacements, No. 3	-	-	-	-	3,150,000	3,150,000	6,300,000	Sanitary Sewer Enterprise (Unvoted)
DOSD Roof Replacements, No. 3	-	-	250,000	-	-	-	250,000	Voted 2016 Debt - Sanitary Sewer
DOSD Roof Replacements, No. 3	-	-	-	3,150,000	-	-	3,150,000	Voted 2019 Debt - Sanitary
JPWWTP Digester Improvements	-	3,311,000	2,559,382	-	-	-	5,870,382	Voted 2016 Debt - Sanitary Sewer
JPWWTP Digester Improvements	-	-	5,180,618	-	-	-	5,180,618	Voted 2019 Debt - Sanitary
JPWWTP Digester Improvements	-	-	43,000,000	-	-	-	43,000,000	WPCLF/OWDA
Jackson Pike WWTP Aeration Optimization	-	-	-	-	2,640,000	3,760,000	6,400,000	Sanitary Sewer Enterprise (Unvoted)
Jackson Pike WWTP Aeration Optimization	-	-	-	-	-	20,000,000	20,000,000	WPCLF/OWDA
Jackson Pike A-Plant Secondary Clarifier Electrical Upgrades & Miscellaneous	-	-	-	-	2,580,618	-	2,580,618	Sanitary Sewer Enterprise (Unvoted)
Jackson Pike A-Plant Secondary Clarifier Electrical Upgrades & Miscellaneous	-	-	825,000	1,155,000	239,382	-	2,219,382	Voted 2019 Debt - Sanitary
Jackson Pike A-Plant Secondary Clarifier Electrical Upgrades & Miscellaneous	-	-	-	-	15,000,000	-	15,000,000	WPCLF/OWDA
JPWWTP Cogeneration Facility	-	2,595,560	-	-	-	-	2,595,560	Voted 2016 Debt - Sanitary Sewer
JPWWTP Cogeneration Facility	-	25,911,854	-	-	-	-	25,911,854	WPCLF/OWDA
JPWWTP Screening Improvements	-	1,000,000	880,000	-	-	-	1,880,000	Voted 2016 Debt - Sanitary Sewer
JPWWTP Screening Improvements	-	-	10,000,000	-	-	-	10,000,000	WPCLF/OWDA
JPWWTP Power Monitoring System	-	-	-	128,000	180,000	-	308,000	Voted 2019 Debt - Sanitary
JPWWTP Power Monitoring System	-	-	-	-	1,000,000	-	1,000,000	WPCLF/OWDA
Short Circuit, Coordination, and Arc Flash Studies #1	-	500,000	500,000	-	-	-	1,000,000	Voted 2016 Debt - Sanitary Sewer
DPU General Engineering Consultant Services (GEC) #3	500,000	-	-	-	-	-	500,000	Voted 2016 Debt - Sanitary Sewer
DPU General Engineering Consultant Services (GEC) #4	500,000	500,000	500,000	-	-	-	1,500,000	Voted 2016 Debt - Sanitary Sewer
DPU General Engineering Consultant Services (GEC) #5	-	500,000	500,000	-	-	-	1,000,000	Voted 2016 Debt - Sanitary Sewer
DPU General Engineering Consultant Services (GEC) #5	-	-	-	500,000	500,000	-	1,000,000	Voted 2019 Debt - Sanitary
DPU General Engineering Consultant Services (GEC) #6	-	-	-	-	-	500,000	500,000	Sanitary Sewer Enterprise (Unvoted)
DPU General Engineering Consultant Services (GEC) #6	-	-	-	500,000	500,000	-	1,000,000	Voted 2019 Debt - Sanitary
DPU General Engineering Consultant Services (GEC) #8	-	-	-	-	-	500,000	500,000	Sanitary Sewer Enterprise (Unvoted)
JPWWTP Small Capital Projects	-	-	-	-	1,100,000	1,100,000	2,200,000	Sanitary Sewer Enterprise (Unvoted)
JPWWTP Small Capital Projects	35,000	1,600,000	1,100,000	-	-	-	2,735,000	Voted 2016 Debt - Sanitary Sewer
JPWWTP Small Capital Projects	-	-	-	1,100,000	-	-	1,100,000	Voted 2019 Debt - Sanitary
JPWWTP Raw Sewage Pump Valve Actuator Replacement	900,000	-	-	-	-	-	900,000	WPCLF/OWDA
JPWWTP Incinerator Building Rehabilitation	-	-	2,300,000	-	-	-	2,300,000	Voted 2019 Debt - Sanitary
SWWTP Small Capital Projects	-	-	-	-	1,100,000	1,100,000	2,200,000	Sanitary Sewer Enterprise (Unvoted)
SWWTP Small Capital Projects	935,000	1,100,000	1,600,000	-	-	-	3,635,000	Voted 2016 Debt - Sanitary Sewer
SWWTP Small Capital Projects	-	-	-	1,100,000	-	-	1,100,000	Voted 2019 Debt - Sanitary
SWWTP Building Heating Improvements - Boiler Revisions (RFP 011A)	4,175,765	-	-	-	-	-	4,175,765	WPCLF/OWDA
SWWTP Boiler System Operational Improvements (S81 Boiler TSFs) (RFP 011A)	1,180,115	-	-	-	-	-	1,180,115	WPCLF/OWDA
Fairwood Building Facilities Small Capital Projects	-	-	-	-	-	350,000	350,000	Sanitary Sewer Enterprise (Unvoted)
Fairwood Building Facilities Small Capital Projects	297,500	350,000	350,000	-	-	-	997,500	Voted 2016 Debt - Sanitary Sewer
Fairwood Building Facilities Small Capital Projects	-	-	-	350,000	350,000	-	700,000	Voted 2019 Debt - Sanitary
WWTFs Professional Construction Management Services #2	-	450,000	-	-	-	-	450,000	Voted 2016 Debt - Sanitary Sewer
WWTFs Professional Construction Management Services #3	-	-	-	-	-	485,000	485,000	Sanitary Sewer Enterprise (Unvoted)
WWTFs Professional Construction Management Services #3	-	-	485,000	-	-	-	485,000	Voted 2016 Debt - Sanitary Sewer
WWTFs Professional Construction Management Services #3	-	-	-	485,000	485,000	-	970,000	Voted 2019 Debt - Sanitary
DOSD HVAC and Air Purification System Replacements, No. 1	1,435,500	2,600,000	2,400,000	-	-	-	6,435,500	Voted 2016 Debt - Sanitary Sewer
DOSD HVAC and Air Purification System Replacements, No. 2	-	-	-	-	2,600,000	2,600,000	5,200,000	Sanitary Sewer Enterprise (Unvoted)
DOSD HVAC and Air Purification System Replacements, No. 2	-	-	300,000	-	-	-	300,000	Voted 2016 Debt - Sanitary Sewer
DOSD HVAC and Air Purification System Replacements, No. 2	-	-	-	2,800,000	-	-	2,800,000	Voted 2019 Debt - Sanitary
Jackson Pike WWTP Stormwater and Floodplain Improvements	352,000	150,000	-	-	-	-	502,000	Voted 2016 Debt - Sanitary Sewer
Jackson Pike WWTP Stormwater and Floodplain Improvements	-	5,000,000	-	-	-	-	5,000,000	WPCLF/OWDA

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
WWTFS Instrumentation and Control (I&C) Integration and Programming	-	-	-	-	-	500,000	500,000	Sanitary Sewer Enterprise (Unvoted)
WWTFS Instrumentation and Control (I&C) Integration and Programming	500,000	500,000	500,000	-	-	-	1,500,000	Voted 2016 Debt - Sanitary Sewer
WWTFS Instrumentation and Control (I&C) Integration and Programming	-	-	-	500,000	500,000	-	1,000,000	Voted 2019 Debt - Sanitary
SWWTP Sludge Dewatering Improvements	-	-	-	-	3,363,000	-	3,363,000	Sanitary Sewer Enterprise (Unvoted)
SWWTP Sludge Dewatering Improvements	-	-	-	1,045,000	-	-	1,045,000	Voted 2019 Debt - Sanitary
SWWTP Digestion Process Expansion	1,504,000	-	-	-	-	-	1,504,000	Voted 2016 Debt - Sanitary Sewer
SWWTP Digestion Process Expansion	20,490,000	-	-	-	-	-	20,490,000	WPCLF/OWDA
SWWTP Cogeneration Revised Capacity	-	-	500,000	1,519,000	755,700	-	2,774,700	Voted 2019 Debt - Sanitary
SWWTP Cogeneration Revised Capacity	-	-	-	-	8,582,538	-	8,582,538	WPCLF/OWDA
SWWTP Digester Process Expansion, Phase II	1,375,000	1,925,000	2,500,000	-	-	-	5,800,000	Voted 2016 Debt - Sanitary Sewer
SWWTP Digester Process Expansion, Phase II	-	-	-	2,200,000	-	-	2,200,000	Voted 2019 Debt - Sanitary
SWWTP Digester Process Expansion, Phase II	-	-	-	24,955,000	-	-	24,955,000	WPCLF/OWDA
SWWTP Post Aeration Diffuser Replacement	870,000	670,000	-	-	-	-	1,540,000	Voted 2016 Debt - Sanitary Sewer
SWWTP Post Aeration Diffuser Replacement	-	8,695,000	-	-	-	-	8,695,000	WPCLF/OWDA
SWWTP Power Monitoring System	-	-	-	160,000	260,000	-	420,000	Voted 2019 Debt - Sanitary
SWWTP Power Monitoring System	-	-	-	-	1,250,000	-	1,250,000	WPCLF/OWDA
Power Quality Analysis	-	-	-	-	-	500,000	500,000	Sanitary Sewer Enterprise (Unvoted)
WWTF Upgrade - General Program #4	1,609,900	1,894,000	-	-	-	-	3,503,900	Voted 2016 Debt - Sanitary Sewer
WWTF Upgrade - General Program #5	-	-	-	-	1,894,000	1,894,000	3,788,000	Sanitary Sewer Enterprise (Unvoted)
WWTF Upgrade - General Program #5	-	-	1,894,000	-	-	-	1,894,000	Voted 2016 Debt - Sanitary Sewer
WWTF Upgrade - General Program #5	-	-	-	1,894,000	-	-	1,894,000	Voted 2019 Debt - Sanitary
East and Far East Return Activated Sludge Sludge Control Bldg Electrical	-	-	220,000	-	-	-	220,000	Voted 2016 Debt - Sanitary Sewer
East and Far East Return Activated Sludge Sludge Control Bldg Electrical	-	-	-	308,000	752,000	-	1,060,000	Voted 2019 Debt - Sanitary
East and Far East Return Activated Sludge Sludge Control Bldg Electrical	-	-	-	-	4,000,000	-	4,000,000	WPCLF/OWDA
SWWTP Aeration Optimization	-	-	-	-	-	3,960,000	3,960,000	Sanitary Sewer Enterprise (Unvoted)
Southerly EAC HVAC and Air Purification	231,000	3,540,000	-	-	-	-	3,771,000	Voted 2016 Debt - Sanitary Sewer
Compost Facility Odor Control Improvements	5,030,618	-	-	-	-	-	5,030,618	Voted 2016 Debt - Sanitary Sewer
Compost Facility Odor Control Improvements	38,000,000	-	-	-	-	-	38,000,000	WPCLF/OWDA
Compost Facility Odor Reduction Improvements - Part 2	-	860,000	-	-	-	-	860,000	Voted 2016 Debt - Sanitary Sewer
Compost Facility Odor Reduction Improvements - Part 2	-	-	-	1,851,000	-	-	1,851,000	Voted 2019 Debt - Sanitary
Compost Facility Odor Reduction Improvements - Part 2	-	-	-	9,850,000	-	-	9,850,000	WPCLF/OWDA
Southerly Stormwater and Floodplain Improvements	502,000	-	-	-	-	-	502,000	Voted 2016 Debt - Sanitary Sewer
Southerly Stormwater and Floodplain Improvements	-	5,000,000	-	-	-	-	5,000,000	WPCLF/OWDA
2020 Annual Lining Contract	850,000	-	-	-	-	-	850,000	Voted 2016 Debt - Sanitary Sewer
2020 Annual Lining Contract	5,000,000	-	-	-	-	-	5,000,000	WPCLF/OWDA
2021 Annual Lining Contract	-	850,000	-	-	-	-	850,000	Voted 2016 Debt - Sanitary Sewer
2021 Annual Lining Contract	-	5,000,000	-	-	-	-	5,000,000	WPCLF/OWDA
2022 Annual Lining Contract	-	-	850,000	-	-	-	850,000	Voted 2016 Debt - Sanitary Sewer
2022 Annual Lining Contract	-	-	5,000,000	-	-	-	5,000,000	WPCLF/OWDA
2023 Annual Lining Contract	-	-	-	850,000	-	-	850,000	Voted 2019 Debt - Sanitary
2023 Annual Lining Contract	-	-	-	5,000,000	-	-	5,000,000	WPCLF/OWDA
2024 Annual Lining Contract	-	-	-	-	850,000	-	850,000	Sanitary Sewer Enterprise (Unvoted)
2024 Annual Lining Contract	-	-	-	-	5,000,000	-	5,000,000	WPCLF/OWDA
2025 Annual Lining Contract	-	-	-	-	-	850,000	850,000	Sanitary Sewer Enterprise (Unvoted)
2025 Annual Lining Contract	-	-	-	-	-	5,000,000	5,000,000	WPCLF/OWDA
Walnut Street Sanitary Sewer Extension	-	-	-	-	-	400,000	400,000	Sanitary Sewer Enterprise (Unvoted)
Walnut Street Sanitary Sewer Extension	-	-	-	750,000	-	-	750,000	Voted 2019 Debt - Sanitary
Walnut Street Sanitary Sewer Extension	-	-	-	-	-	2,000,000	2,000,000	WPCLF/OWDA
Sewer System Capacity Model update 2020	-	-	-	-	1,500,000	-	1,500,000	Sanitary Sewer Enterprise (Unvoted)
Sewer System Capacity Model update 2020	-	-	2,000,000	-	-	-	2,000,000	Voted 2019 Debt - Sanitary
Big Walnut Interceptor Lockbourne Subtrunk Canal Road Area	100,000	525,000	-	-	-	-	625,000	Voted 2016 Debt - Sanitary Sewer
Big Walnut Interceptor Lockbourne Subtrunk Canal Road Area	-	-	3,500,000	-	-	-	3,500,000	WPCLF/OWDA
Intermodal Sanitary Subtrunk Extension	26,750,000	-	-	-	-	-	26,750,000	WPCLF/OWDA
Rickenbacker Intermodal Sanitary Extension	625,000	-	-	-	-	-	625,000	Voted 2016 Debt - Sanitary Sewer
Rickenbacker Intermodal Sanitary Extension	3,500,000	-	-	-	-	-	3,500,000	WPCLF/OWDA

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Intermodal Sanitary Subtrunk Extension - Phase 2	-	-	900,000	-	-	-	900,000	Voted 2016 Debt - Sanitary Sewer
Intermodal Sanitary Subtrunk Extension - Phase 2	-	-	9,000,000	-	-	-	9,000,000	WPCLF/OWDA
Hayden Run Sewer Extension Phase III	-	750,000	200,000	-	-	-	950,000	Voted 2016 Debt - Sanitary Sewer
Hayden Run Sewer Extension Phase III	-	-	7,500,000	-	-	-	7,500,000	WPCLF/OWDA
DPU Archive / Records Storage and SMOC Locker Room Renovations	5,369,500	-	-	-	-	-	5,369,500	Voted 2016 Debt - Sanitary Sewer
SMOC Inventory Control Consolidations	-	154,000	2,376,000	-	-	-	2,530,000	Voted 2016 Debt - Sanitary Sewer
East Franklinton Phase 3	300,000	-	-	-	-	-	300,000	Voted 2016 Debt - Sanitary Sewer
East Franklinton Phase 3	3,000,000	-	-	-	-	-	3,000,000	WPCLF/OWDA
Ohio State University Area Utility Easement Project	275,000	-	-	-	-	-	275,000	Voted 2016 Debt - Sanitary Sewer
Big Run/Hellbranch Subtrunk (Extension Reimbursement)	1,749,071	-	-	-	-	-	1,749,071	Voted 2016 Debt - Sanitary Sewer
Portage Grove Area Assessment	300,000	-	-	-	-	-	300,000	Voted 2016 Debt - Sanitary Sewer
Portage Grove Area Assessment	2,500,000	-	-	-	-	-	2,500,000	WPCLF/OWDA
Big Walnut Outfall (South) Rehabilitation	2,400,000	100,000	-	-	-	-	2,500,000	Voted 2016 Debt - Sanitary Sewer
Big Walnut Outfall (South) Rehabilitation	-	-	3,000,000	-	-	-	3,000,000	Voted 2019 Debt - Sanitary
Big Walnut Outfall (South) Rehabilitation	-	-	30,000,000	-	-	-	30,000,000	WPCLF/OWDA
Big Walnut Outfall (North) Rehabilitation	-	-	-	-	2,000,000	-	2,000,000	Sanitary Sewer Enterprise (Unvoted)
Big Walnut Outfall (North) Rehabilitation	-	-	1,600,000	100,000	-	-	1,700,000	Voted 2019 Debt - Sanitary
Big Walnut Outfall (North) Rehabilitation	-	-	-	-	20,000,000	-	20,000,000	WPCLF/OWDA
Lower Olentangy Tunnel - Phase 1	-	-	-	-	6,000,000	-	6,000,000	Sanitary Sewer Enterprise (Unvoted)
Lower Olentangy Tunnel - Phase 1	-	9,000,000	-	-	-	-	9,000,000	Voted 2016 Debt - Sanitary Sewer
Lower Olentangy Tunnel - Phase 1	-	-	1,500,000	6,000,000	-	-	7,500,000	Voted 2019 Debt - Sanitary
Lower Olentangy Tunnel - Phase 1	223,000,000	-	-	-	-	-	223,000,000	WPCLF/OWDA
Large Diameter Sewer Rehabilitation - Alum Creek Trunk South	900,000	-	-	-	-	-	900,000	Voted 2016 Debt - Sanitary Sewer
Section/Deshler Tunnel-Alum Creek Interceptor Sewer/Truro Sewers	-	14,500,000	-	-	-	-	14,500,000	WPCLF/OWDA
Large Diameter Sewer Rehabilitation - Alum Creek Trunk South	-	-	550,000	-	-	-	550,000	Voted 2016 Debt - Sanitary Sewer
Section/Deshler Tunnel-Alum Creek Interceptor Sewer/Truro Sewers	-	-	5,000,000	-	-	-	5,000,000	WPCLF/OWDA
OSIS Large Diameter Sewer Rehabilitation	8,000,000	-	-	-	-	-	8,000,000	WPCLF/OWDA
OSIS Large Diameter Sewer Rehabilitation	850,000	-	-	-	-	-	850,000	Voted 2016 Debt - Sanitary Sewer
Center Large Diameter Rehabilitation	5,000,000	-	-	-	-	-	5,000,000	WPCLF/OWDA
West Side Trunk Rehabilitation	550,000	-	-	-	-	-	550,000	Voted 2016 Debt - Sanitary Sewer
Large Diameter - Blacklick Creek Main Trunk	-	7,200,000	-	-	-	-	7,200,000	WPCLF/OWDA
Large Diameter - Scioto Main Trunk	100,000	1,275,000	-	-	-	-	1,375,000	Voted 2016 Debt - Sanitary Sewer
Large Diameter - Scioto Main Trunk	-	8,500,000	-	-	-	-	8,500,000	WPCLF/OWDA
Alum Creek Trunk (Middle) Rehabilitation - Phase C	7,000,000	-	-	-	-	-	7,000,000	WPCLF/OWDA
Near North & East Area Large Diameter Assessment - Phase 2	375,000	-	-	-	-	-	375,000	Voted 2016 Debt - Sanitary Sewer
Near North & East Area Large Diameter Assessment - Phase 2	2,500,000	-	-	-	-	-	2,500,000	WPCLF/OWDA
Near North & East Area Large Diameter Assessment - Phase 3	-	675,000	-	-	-	-	675,000	Voted 2016 Debt - Sanitary Sewer
Near North & East Area Large Diameter Assessment - Phase 3	-	4,750,000	-	-	-	-	4,750,000	WPCLF/OWDA
Near North & East Area Large Diameter Assessment - Phase 4	-	-	-	675,000	-	-	675,000	Voted 2019 Debt - Sanitary
Near North & East Area Large Diameter Assessment - Phase 4	-	-	-	4,750,000	-	-	4,750,000	WPCLF/OWDA
Alum Creek Trunk (South) - Phase 2	-	-	1,025,000	-	-	-	1,025,000	Voted 2016 Debt - Sanitary Sewer
Alum Creek Trunk (South) - Phase 2	-	-	-	13,000,000	-	-	13,000,000	WPCLF/OWDA
Alum Creek Trunk (South) - Phase 3	-	-	-	-	800,000	-	800,000	Sanitary Sewer Enterprise (Unvoted)
Alum Creek Trunk (South) - Phase 3	-	-	600,000	-	-	-	600,000	Voted 2016 Debt - Sanitary Sewer
Alum Creek Trunk (South) - Phase 3	-	-	-	-	10,000,000	-	10,000,000	WPCLF/OWDA
Blacklick Creek Sanitary Subtrunk Rehabilitation	512,000	-	-	-	-	-	512,000	Voted 2016 Debt - Sanitary Sewer
Blacklick Creek Sanitary Subtrunk Rehabilitation	-	-	-	562,000	-	-	562,000	Voted 2019 Debt - Sanitary
Blacklick Creek Sanitary Subtrunk Rehabilitation	-	-	-	6,400,000	-	-	6,400,000	WPCLF/OWDA
Annual Large Diameter Sewer Assessment	-	-	-	-	3,000,000	3,000,000	6,000,000	Sanitary Sewer Enterprise (Unvoted)
Annual Large Diameter Sewer Assessment	-	3,000,000	-	-	-	-	3,000,000	Voted 2016 Debt - Sanitary Sewer
Annual Large Diameter Sewer Assessment	-	-	3,000,000	3,000,000	-	-	6,000,000	Voted 2019 Debt - Sanitary
Annual Large Diameter Sewer Assessment	-	-	-	10,312,500	10,312,500	10,312,500	30,937,500	WPCLF/OWDA
Big Walnut Trunk South Rehabilitation	-	-	-	-	2,000,000	150,000	2,150,000	Sanitary Sewer Enterprise (Unvoted)
Brimfield Area Sanitary System Repair Project	1,300,000	-	-	-	-	-	1,300,000	WPCLF/OWDA
2020 General Construction Contract	2,300,000	-	-	-	-	-	2,300,000	Voted 2016 Debt - Sanitary Sewer

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
2021 General Construction Contract	-	2,300,000	-	-	-	-	2,300,000	Voted 2016 Debt - Sanitary Sewer
2022 General Construction Contract	-	-	2,300,000	-	-	-	2,300,000	Voted 2019 Debt - Sanitary
2023 General Construction Contract	-	-	-	2,300,000	-	-	2,300,000	Voted 2019 Debt - Sanitary
2024 General Construction Contract	-	-	-	-	2,300,000	-	2,300,000	Sanitary Sewer Enterprise (Unvoted)
2025 General Construction Contract	-	-	-	-	-	2,300,000	2,300,000	Sanitary Sewer Enterprise (Unvoted)
Moler Street Overflow Intercepting Sewer	-	2,092,722	-	-	-	-	2,092,722	Voted 2016 Debt - Sanitary Sewer
Moler Street Overflow Intercepting Sewer	-	13,951,480	-	-	-	-	13,951,480	WPCLF/OWDA
Third Ave Relief Sewer, Phase 3	600,000	-	-	-	-	-	600,000	Voted 2016 Debt - Sanitary Sewer
Third Ave Relief Sewer, Phase 3	3,000,000	-	-	-	-	-	3,000,000	WPCLF/OWDA
SMOC SCADA Modernization at Remote Sanitary Facilities	-	-	-	-	-	485,000	485,000	Sanitary Sewer Enterprise (Unvoted)
SMOC SCADA Modernization at Remote Sanitary Facilities	-	-	-	1,800,000	-	-	1,800,000	Voted 2019 Debt - Sanitary
SMOC SCADA Modernization at Remote Sanitary Facilities	-	-	-	-	-	3,200,000	3,200,000	WPCLF/OWDA
SMOC SCADA Communication Network Modernization	-	-	-	-	-	720,000	720,000	Sanitary Sewer Enterprise (Unvoted)
SMOC SCADA Communication Network Modernization	-	-	-	2,400,000	-	-	2,400,000	Voted 2019 Debt - Sanitary
SMOC SCADA Communication Network Modernization	-	-	-	-	-	4,800,000	4,800,000	WPCLF/OWDA
Inflow Redirection - Noble & 4th St	30,000	50,000	-	-	-	-	80,000	Voted 2016 Debt - Sanitary Sewer
Inflow Redirection - Noble & 4th St	-	450,000	-	-	-	-	450,000	WPCLF/OWDA
Inflow Redirection - Kerr / Russell	-	-	300,000	-	-	-	300,000	Voted 2019 Debt - Sanitary
Inflow Redirection - Kerr / Russell	-	-	3,000,000	-	-	-	3,000,000	WPCLF/OWDA
Inflow Redirection - Markison	1,775,000	-	-	-	-	-	1,775,000	Voted 2016 Debt - Sanitary Sewer
Inflow Redirection - Markison	-	13,800,000	-	-	-	-	13,800,000	WPCLF/OWDA
Hydraulic Modification to CSO Regulator - Markison	24,300	-	-	-	-	-	24,300	Voted 2016 Debt - Sanitary Sewer
Hydraulic Modification to CSO Regulator - Markison	-	242,572	-	-	-	-	242,572	WPCLF/OWDA
Construction Administration Services 2020 to 2022	-	-	-	-	1,546,000	1,546,000	3,092,000	Sanitary Sewer Enterprise (Unvoted)
Construction Administration Services 2020 to 2022	-	823,000	1,208,000	-	-	-	2,031,000	Voted 2016 Debt - Sanitary Sewer
Construction Administration Services 2020 to 2022	-	-	-	1,646,000	-	-	1,646,000	Voted 2019 Debt - Sanitary
DSR 147 Overflow Pipe Raise - 5th by Northwest Blueprint Area	-	-	11,206	-	-	-	11,206	Voted 2016 Debt - Sanitary Sewer
DSR 147 Overflow Pipe Raise - 5th by Northwest Blueprint Area	-	-	-	84,045	-	-	84,045	Voted 2019 Debt - Sanitary
DSR 148 Overflow Pipe Raise - 5th by Northwest Blueprint Area	-	-	11,206	-	-	-	11,206	Voted 2016 Debt - Sanitary Sewer
DSR 148 Overflow Pipe Raise - 5th by Northwest Blueprint Area	-	-	-	84,045	-	-	84,045	Voted 2019 Debt - Sanitary
DSR 149 Overflow Pipe Raise - 5th by Northwest Blueprint Area	-	-	11,206	-	-	-	11,206	Voted 2016 Debt - Sanitary Sewer
DSR 149 Overflow Pipe Raise - 5th by Northwest Blueprint Area	-	-	-	84,045	-	-	84,045	Voted 2019 Debt - Sanitary
DSR 150 Overflow Pipe Raise - 5th by Northwest Blueprint Area	-	-	-	-	-	11,206	11,206	Sanitary Sewer Enterprise (Unvoted)
Flow Split Reconfiguration - 5th by Northwest Blueprint Area	-	-	9,419	-	-	-	9,419	Voted 2016 Debt - Sanitary Sewer
Flow Split Reconfiguration - 5th by Northwest Blueprint Area	-	-	-	70,641	-	-	70,641	Voted 2019 Debt - Sanitary
Bulkhead of Oxley Road Relief Pipe - 5th by Northwest Blueprint Area	-	-	-	83,399	-	-	83,399	Voted 2019 Debt - Sanitary
DSR 109 Closure - 5th by Northwest Blueprint Area	-	-	-	95,251	-	-	95,251	Voted 2019 Debt - Sanitary
DSR 111 Closure - 5th by Northwest Blueprint Area	-	-	-	95,251	-	-	95,251	Voted 2019 Debt - Sanitary
DSR 146 Closure - 5th by Northwest Blueprint Area	-	-	-	95,251	-	-	95,251	Voted 2019 Debt - Sanitary
DSR 103 Closure - 5th by Northwest Blueprint Area	-	-	-	-	-	95,251	95,251	Sanitary Sewer Enterprise (Unvoted)
New Relief Pipe to the Olentangy Scioto Interceptor Sewer - Clintonville 2	-	673,947	106,697	-	-	-	780,644	Voted 2016 Debt - Sanitary Sewer
New Relief Pipe to the Olentangy Scioto Interceptor Sewer - Clintonville 2	-	-	1,207,500	-	-	-	1,207,500	Voted 2019 Debt - Sanitary
New Relief Pipe to the Olentangy Scioto Interceptor Sewer - Clintonville 2	-	-	-	8,761,311	-	-	8,761,311	WPCLF/OWDA
DSR 873 New Relief Sewer	-	-	-	-	50,000	-	50,000	Sanitary Sewer Enterprise (Unvoted)
DSR 873 New Relief Sewer	-	-	12,208	-	-	-	12,208	Voted 2016 Debt - Sanitary Sewer
Second Barrel Interconnector Augmentation	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Sanitary Sewer
Second Barrel Interconnector Augmentation	-	4,000,000	-	-	-	-	4,000,000	WPCLF/OWDA
Flow Redirection - Plum Ridge	-	-	-	-	67,000	-	67,000	Sanitary Sewer Enterprise (Unvoted)
Flow Redirection - Plum Ridge	-	-	134,000	-	-	-	134,000	Voted 2016 Debt - Sanitary Sewer
Upsizing Sewer Pipes Project ID 2 Near South	-	1,200,000	-	-	-	-	1,200,000	WPCLF/OWDA
Upsizing Sewer Pipes Project ID 3 Near South	-	400,000	-	-	-	-	400,000	WPCLF/OWDA
Blueprint Linden - Hudson / McGuffey	4,294,201	-	-	-	-	-	4,294,201	WPCLF/OWDA
Blueprint Linden - Oakland Park / Medina	3,000,000	-	-	-	-	-	3,000,000	WPCLF/OWDA
Blueprint Linden - Agler / Berrell	525,000	-	-	-	-	-	525,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden - Agler / Berrell	3,500,000	-	-	-	-	-	3,500,000	WPCLF/OWDA

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Blueprint Linden - Artane / Parkwood	650,000	-	-	-	-	-	650,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden - Artane / Parkwood	4,000,000	-	-	-	-	-	4,000,000	WPCLF/OWDA
Blueprint Linden - Linview Park	150,000	-	-	-	-	-	150,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden - Linview Park	900,000	-	-	-	-	-	900,000	WPCLF/OWDA
Blueprint Hilltop - Palmetto/Westgate	2,000,000	-	-	-	-	-	2,000,000	WPCLF/OWDA
Blueprint Hilltop - Eureka/Fremont	1,030,352	-	-	-	-	-	1,030,352	Voted 2016 Debt - Sanitary Sewer
Blueprint Hilltop - Eureka/Fremont	10,303,527	-	-	-	-	-	10,303,527	WPCLF/OWDA
Blueprint Miller Kelton - Newton/Bedford	-	200,000	-	-	-	-	200,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Miller Kelton - Newton/Bedford	-	1,000,000	-	-	-	-	1,000,000	WPCLF/OWDA
Blueprint Miller Kelton - Kelton/Fairwood	-	900,000	-	-	-	-	900,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Miller Kelton - Kelton/Fairwood	-	9,000,000	-	-	-	-	9,000,000	WPCLF/OWDA
Blueprint 5th Ave by Northwest - Northwest - Sunrise / Glenn	-	745,000	-	-	-	-	745,000	Voted 2016 Debt - Sanitary Sewer
Blueprint 5th Ave by Northwest - Northwest - Sunrise / Glenn	-	-	3,700,000	-	-	-	3,700,000	WPCLF/OWDA
Blueprint 5th Ave by Northwest - Edgehill / Meadow	-	-	675,390	-	-	-	675,390	Voted 2016 Debt - Sanitary Sewer
Blueprint 5th Ave by Northwest - Edgehill / Meadow	-	-	94,610	-	-	-	94,610	Voted 2019 Debt - Sanitary
Blueprint 5th Ave by Northwest - Edgehill / Meadow	-	-	4,450,000	-	-	-	4,450,000	WPCLF/OWDA
Blueprint Winthrop / Milton Area Integrated Solutions	-	542,412	150,000	-	-	-	692,412	Voted 2016 Debt - Sanitary Sewer
Blueprint Winthrop / Milton Area Integrated Solutions	-	-	-	700,000	-	-	700,000	Voted 2019 Debt - Sanitary
Blueprint Winthrop / Milton Area Integrated Solutions	-	-	-	3,700,000	-	-	3,700,000	WPCLF/OWDA
Blueprint Dorris / Weber Area Integrated Solutions	340,000	-	-	-	-	-	340,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Dorris / Weber Area Integrated Solutions	-	-	-	860,000	-	-	860,000	Voted 2019 Debt - Sanitary
Blueprint Dorris / Weber Area Integrated Solutions	-	-	-	6,600,000	-	-	6,600,000	WPCLF/OWDA
Blueprint Fredonia / Piedmont Area Integrated Solutions	-	700,000	160,000	-	-	-	860,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Fredonia / Piedmont Area Integrated Solutions	-	-	-	815,000	-	-	815,000	Voted 2019 Debt - Sanitary
Blueprint Fredonia / Piedmont Area Integrated Solutions	-	-	-	4,100,000	-	-	4,100,000	WPCLF/OWDA
Blueprint Tulane / Findley Area Integrated Solutions	-	900,000	-	-	-	-	900,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Tulane / Findley Area Integrated Solutions	-	-	-	200,000	700,000	-	900,000	Voted 2019 Debt - Sanitary
Blueprint Tulane / Findley Area Integrated Solutions	-	-	-	-	6,000,000	-	6,000,000	WPCLF/OWDA
Blueprint Milford / Summit Area Integrated Solutions	-	330,000	25,000	-	-	-	355,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Milford / Summit Area Integrated Solutions	-	-	-	200,000	637,500	-	837,500	Voted 2019 Debt - Sanitary
Blueprint Milford / Summit Area Integrated Solutions	-	-	-	-	4,250,000	-	4,250,000	WPCLF/OWDA
Blueprint Old Beechwood Area - Integrated Solutions	680,000	200,000	-	-	-	-	880,000	Voted 2016 Debt - Sanitary Sewer
Leland / Highland Area Integrated Solutions	-	-	-	-	-	873,000	873,000	Sanitary Sewer Enterprise (Unvoted)
Charleston / Kanawha Area Integrated Solutions	-	-	-	-	-	537,605	537,605	Sanitary Sewer Enterprise (Unvoted)
Croswell / Beaumont Area Integrated Solutions	-	-	-	-	-	1,109,674	1,109,674	Sanitary Sewer Enterprise (Unvoted)
Jeffrey / Sellers Area Integrated Solutions	-	-	-	-	-	1,327,418	1,327,418	Sanitary Sewer Enterprise (Unvoted)
Blueprint Hilltop 4 - Highland / Harris	-	500,000	995,000	-	-	-	1,495,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Hilltop 4 - Highland / Harris	-	-	5,300,000	-	-	-	5,300,000	WPCLF/OWDA
Blueprint W. Franklinton - Yale / Edwin	-	-	-	-	500,000	-	500,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint W. Franklinton - Green / Glenwood	-	-	-	-	675,000	-	675,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Near South - Morrill/Ann Area Integrated Solutions	-	-	-	-	-	200,000	200,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Near South - Morrill/Ann Area Integrated Solutions	-	-	669,140	-	-	-	669,140	Voted 2016 Debt - Sanitary Sewer
Blueprint Near South - Champion/Roberts Area Integrated Solutions	-	-	-	-	-	200,000	200,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Near South - Champion/Roberts Area Integrated Solutions	-	-	699,140	-	-	-	699,140	Voted 2016 Debt - Sanitary Sewer
Blueprint Hilltop 1 Palmetto / Westgate Permeable Pavers	607,500	-	-	-	-	-	607,500	Voted 2016 Debt - Sanitary Sewer
Blueprint Hilltop 1 Palmetto / Westgate Permeable Pavers	10,000,000	-	-	-	-	-	10,000,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Permeable Pavers	120,000	-	-	-	-	-	120,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Hilltop 1 Eureka / Fremont Permeable Pavers	1,200,000	-	-	-	-	-	1,200,000	WPCLF/OWDA
Astor / Bernhard Integrated Solutions	-	-	-	-	-	50,000	50,000	Sanitary Sewer Enterprise (Unvoted)
Astor / Bernhard Integrated Solutions	-	-	787,666	-	-	-	787,666	Voted 2016 Debt - Sanitary Sewer
Astor / Bernhard Integrated Solutions	-	-	-	279,015	100,000	-	379,015	Voted 2019 Debt - Sanitary
Astor / Bernhard Integrated Solutions	-	-	-	-	2,790,150	-	2,790,150	WPCLF/OWDA
Thurston / Grimsby Integrated Solutions	-	-	418,404	-	-	-	418,404	Voted 2016 Debt - Sanitary Sewer
Thurston / Grimsby Integrated Solutions	-	-	-	140,610	150,000	-	290,610	Voted 2019 Debt - Sanitary
Thurston / Grimsby Integrated Solutions	-	-	-	-	1,406,100	-	1,406,100	WPCLF/OWDA

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Gertrude / Lattimer Integrated Solutions	-	-	-	-	947,515	-	947,515	Sanitary Sewer Enterprise (Unvoted)
Gertrude / Lattimer Integrated Solutions	-	-	1,958,346	-	-	-	1,958,346	Voted 2019 Debt - Sanitary
Gertrude / Lattimer Integrated Solutions	-	-	-	-	-	6,975,150	6,975,150	WPCLF/OWDA
Plum Ridge Integrated Solutions	-	-	-	-	354,645	-	354,645	Sanitary Sewer Enterprise (Unvoted)
Plum Ridge Integrated Solutions	-	-	545,678	-	-	-	545,678	Voted 2016 Debt - Sanitary Sewer
Plum Ridge Integrated Solutions	-	-	-	-	-	2,046,450	2,046,450	WPCLF/OWDA
Blueprint Miller Kelton Newton / Bedford Permeable Pavers	900,000	-	-	-	-	-	900,000	Voted 2016 Debt - Sanitary Sewer
Blueprint Miller Kelton Newton / Bedford Permeable Pavers	9,000,000	-	-	-	-	-	9,000,000	WPCLF/OWDA
Blueprint Linden 1 Downspot Redirection Project 1	-	529,942	-	-	-	-	529,942	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Downspot Redirection Project 1	-	3,532,944	-	-	-	-	3,532,944	WPCLF/OWDA
Blueprint Linden 1 Downspot Redirection Project 2	-	-	529,942	-	-	-	529,942	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Downspot Redirection Project 2	-	-	3,532,944	-	-	-	3,532,944	WPCLF/OWDA
Blueprint Linden 1 Downspot Redirection Project 3	-	-	529,942	-	-	-	529,942	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Downspot Redirection Project 3	-	-	3,532,944	-	-	-	3,532,944	WPCLF/OWDA
Blueprint Linden 1 Downspot Redirection Project 4	-	-	529,942	-	-	-	529,942	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Downspot Redirection Project 4	-	-	3,532,944	-	-	-	3,532,944	WPCLF/OWDA
Blueprint Linden 1 Downspot Redirection Project 5	-	-	529,942	-	-	-	529,942	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Downspot Redirection Project 5	-	-	3,532,944	-	-	-	3,532,944	WPCLF/OWDA
Blueprint Linden 1 Downspot Redirection Project 6	-	-	-	529,942	-	-	529,942	Voted 2019 Debt - Sanitary
Blueprint Linden 1 Downspot Redirection Project 6	-	-	-	3,532,944	-	-	3,532,944	WPCLF/OWDA
Blueprint Linden 1 Downspot Redirection Project 7	-	-	-	529,942	-	-	529,942	Voted 2019 Debt - Sanitary
Blueprint Linden 1 Downspot Redirection Project 7	-	-	-	3,532,944	-	-	3,532,944	WPCLF/OWDA
Blueprint Linden 1 Downspot Redirection Project 8	-	-	-	529,942	-	-	529,942	Voted 2019 Debt - Sanitary
Blueprint Linden 1 Downspot Redirection Project 8	-	-	-	3,532,944	-	-	3,532,944	WPCLF/OWDA
Roof Redirection - 5th by Northwest, Phase 1	-	-	-	-	-	445,568	445,568	Sanitary Sewer Enterprise (Unvoted)
Roof Redirection - 5th by Northwest, Phase 1	-	-	-	-	-	2,970,450	2,970,450	WPCLF/OWDA
Roof Redirection - 5th by Northwest, Phase 2	-	-	-	-	-	445,568	445,568	Sanitary Sewer Enterprise (Unvoted)
Roof Redirection - 5th by Northwest, Phase 2	-	-	-	-	-	2,970,450	2,970,450	WPCLF/OWDA
Blueprint Hilltop 1 Palmetto / Westgate Roof Redirection Project 1	-	-	-	607,500	-	-	607,500	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Palmetto / Westgate Roof Redirection Project 1	-	-	-	4,050,000	-	-	4,050,000	WPCLF/OWDA
Blueprint Hilltop 1 Palmetto / Westgate Roof Redirection Project 2	-	-	-	607,500	-	-	607,500	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Palmetto / Westgate Roof Redirection Project 2	-	-	-	4,050,000	-	-	4,050,000	WPCLF/OWDA
Blueprint Hilltop 1 Palmetto / Westgate Roof Redirection Project 3	-	-	-	607,500	-	-	607,500	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Palmetto / Westgate Roof Redirection Project 3	-	-	-	4,050,000	-	-	4,050,000	WPCLF/OWDA
Blueprint Hilltop 1 Palmetto / Westgate Roof Redirection Project 4	-	-	-	607,500	-	-	607,500	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Palmetto / Westgate Roof Redirection Project 4	-	-	-	4,050,000	-	-	4,050,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 5	-	-	-	607,500	-	-	607,500	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 5	-	-	-	-	4,050,000	-	4,050,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 6	-	-	-	-	607,500	-	607,500	Sanitary Sewer Enterprise (Unvoted)
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 6	-	-	-	-	4,050,000	-	4,050,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 7	-	-	-	-	607,500	-	607,500	Sanitary Sewer Enterprise (Unvoted)
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 7	-	-	-	-	4,050,000	-	4,050,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 8	-	-	-	-	607,500	-	607,500	Sanitary Sewer Enterprise (Unvoted)
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 8	-	-	-	-	4,050,000	-	4,050,000	WPCLF/OWDA
Blueprint Miller-Kelton Newton / Bedford Roof Redirection Project 1	-	-	-	-	525,000	-	525,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller-Kelton Newton / Bedford Roof Redirection Project 1	-	-	-	-	3,500,000	-	3,500,000	WPCLF/OWDA
Blueprint Miller-Kelton Newton / Bedford Roof Redirection Project 2	-	-	-	-	525,000	-	525,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller-Kelton Newton / Bedford Roof Redirection Project 2	-	-	-	-	3,500,000	-	3,500,000	WPCLF/OWDA
Blueprint Miller-Kelton Fairwood / Kent Roof Redirection Project 3	-	-	-	-	525,000	-	525,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller-Kelton Fairwood / Kent Roof Redirection Project 3	-	-	-	-	3,500,000	-	3,500,000	WPCLF/OWDA
Blueprint Miller-Kelton Fairwood / Kent Roof Redirection Project 4	-	-	-	-	525,000	-	525,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller-Kelton Fairwood / Kent Roof Redirection Project 4	-	-	-	-	3,500,000	-	3,500,000	WPCLF/OWDA
Lateral Lining - Clintonville 1 Schreyer / Springs	2,000,000	-	-	-	-	-	2,000,000	WPCLF/OWDA
Blueprint Linden 1 Lateral Lining Project 1	-	492,089	-	-	-	-	492,089	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Lateral Lining Project 1	-	3,280,591	-	-	-	-	3,280,591	WPCLF/OWDA

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Blueprint Linden 1 Lateral Lining Project 2	-	-	492,089	-	-	-	492,089	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Lateral Lining Project 2	-	-	3,280,591	-	-	-	3,280,591	WPCLF/OWDA
Blueprint Linden 1 Lateral Lining Project 3	-	-	492,089	-	-	-	492,089	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Lateral Lining Project 3	-	-	3,280,591	-	-	-	3,280,591	WPCLF/OWDA
Blueprint Linden 1 Lateral Lining Project 4	-	-	492,089	-	-	-	492,089	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Lateral Lining Project 4	-	-	3,280,591	-	-	-	3,280,591	WPCLF/OWDA
Blueprint Linden 1 Lateral Lining Project 5	-	-	492,089	-	-	-	492,089	Voted 2016 Debt - Sanitary Sewer
Blueprint Linden 1 Lateral Lining Project 5	-	-	3,280,591	-	-	-	3,280,591	WPCLF/OWDA
Blueprint Linden 1 Lateral Lining Project 6	-	-	-	492,089	-	-	492,089	Voted 2019 Debt - Sanitary
Blueprint Linden 1 Lateral Lining Project 6	-	-	-	3,280,591	-	-	3,280,591	WPCLF/OWDA
Blueprint Linden 1 Lateral Lining Project 7	-	-	-	492,089	-	-	492,089	Voted 2019 Debt - Sanitary
Blueprint Linden 1 Lateral Lining Project 7	-	-	-	3,280,591	-	-	3,280,591	WPCLF/OWDA
Blueprint Linden 1 Lateral Lining Project 8	-	-	-	492,089	-	-	492,089	Voted 2019 Debt - Sanitary
Blueprint Linden 1 Lateral Lining Project 8	-	-	-	3,280,591	-	-	3,280,591	WPCLF/OWDA
Lateral Lining - 5th by Northwest, Phase 1	-	-	-	-	-	413,741	413,741	Sanitary Sewer Enterprise (Unvoted)
Lateral Lining - 5th by Northwest, Phase 1	-	-	-	-	-	2,758,275	2,758,275	WPCLF/OWDA
Lateral Lining - 5th by Northwest, Phase 2	-	-	-	-	-	413,741	413,741	Sanitary Sewer Enterprise (Unvoted)
Lateral Lining - 5th by Northwest, Phase 2	-	-	-	-	-	2,758,275	2,758,275	WPCLF/OWDA
Blueprint Hilltop 1 Palmetto / Westgate Lateral Lining Project 1	-	-	-	570,000	-	-	570,000	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Palmetto / Westgate Lateral Lining Project 1	-	-	-	3,800,000	-	-	3,800,000	WPCLF/OWDA
Blueprint Hilltop 1 Palmetto / Westgate Lateral Lining Project 2	-	-	-	570,000	-	-	570,000	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Palmetto / Westgate Lateral Lining Project 2	-	-	-	3,800,000	-	-	3,800,000	WPCLF/OWDA
Blueprint Hilltop 1 Palmetto / Westgate Lateral Lining Project 3	-	-	-	570,000	-	-	570,000	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Palmetto / Westgate Lateral Lining Project 3	-	-	-	3,800,000	-	-	3,800,000	WPCLF/OWDA
Blueprint Hilltop 1 Palmetto / Westgate Lateral Lining Project 4	-	-	-	570,000	-	-	570,000	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Palmetto / Westgate Lateral Lining Project 4	-	-	-	3,800,000	-	-	3,800,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 5	-	-	-	570,000	-	-	570,000	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 5	-	-	-	-	3,800,000	-	3,800,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 6	-	-	-	-	570,000	-	570,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 6	-	-	-	-	3,800,000	-	3,800,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 7	-	-	-	-	570,000	-	570,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 7	-	-	-	-	3,800,000	-	3,800,000	WPCLF/OWDA
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 8	-	-	-	-	570,000	-	570,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 8	-	-	-	-	3,800,000	-	3,800,000	WPCLF/OWDA
Blueprint Miller-Kelton Newton / Bedford Lateral Lining Project 1	-	-	-	-	487,500	-	487,500	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller-Kelton Newton / Bedford Lateral Lining Project 1	-	-	-	-	3,250,000	-	3,250,000	WPCLF/OWDA
Blueprint Miller-Kelton Newton / Bedford Lateral Lining Project 2	-	-	-	-	487,500	-	487,500	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller-Kelton Newton / Bedford Lateral Lining Project 2	-	-	-	-	3,250,000	-	3,250,000	WPCLF/OWDA
Blueprint Miller-Kelton Fairwood / Kent Lateral Lining Project 3	-	-	-	-	-	487,500	487,500	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller-Kelton Fairwood / Kent Lateral Lining Project 3	-	-	-	-	-	3,250,000	3,250,000	WPCLF/OWDA
Blueprint Miller-Kelton Fairwood / Kent Lateral Lining Project 4	-	-	-	-	-	487,500	487,500	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller-Kelton Fairwood / Kent Lateral Lining Project 4	-	-	-	-	-	3,250,000	3,250,000	WPCLF/OWDA
Mainline Lining - Clintonville 2 Blueprint Area	-	-	-	-	-	440,000	440,000	Sanitary Sewer Enterprise (Unvoted)
Mainline Lining - Clintonville 2 Blueprint Area	-	-	-	-	-	5,788,486	5,788,486	WPCLF/OWDA
Mainline Lining - James Livingston 5 Blueprint Area	-	-	-	-	1,368,948	-	1,368,948	Sanitary Sewer Enterprise (Unvoted)
Mainline Lining - James Livingston 5 Blueprint Area	-	-	-	-	13,689,481	-	13,689,481	WPCLF/OWDA
Mainline Lining - Plum Ridge Blueprint Area	-	-	-	-	100,726	-	100,726	Sanitary Sewer Enterprise (Unvoted)
Mainline Lining - Plum Ridge Blueprint Area	-	-	-	-	128,183	-	128,183	Voted 2019 Debt - Sanitary
Mainline Lining - Plum Ridge Blueprint Area	-	-	-	-	2,289,096	-	2,289,096	WPCLF/OWDA
Volunteer Sump Pump Program - Blueprint North Linden 1, Phase 3	1,766,975	-	-	-	-	-	1,766,975	Voted 2016 Debt - Sanitary Sewer
Volunteer Sump Pump Program - Blueprint North Linden 1, Phase 4	-	2,032,021	-	-	-	-	2,032,021	Voted 2016 Debt - Sanitary Sewer
Volunteer Sump Pump Program - North Linden 2 Blueprint Area	-	-	-	-	-	4,356,357	4,356,357	Sanitary Sewer Enterprise (Unvoted)
Volunteer Sump Pump Program - Hilltop 2 Blueprint Area	-	-	-	-	150,000	150,000	300,000	Sanitary Sewer Enterprise (Unvoted)
Volunteer Sump Pump Program - Blueprint Clintonville 3 Project 1	2,590,000	-	-	-	-	-	2,590,000	Voted 2016 Debt - Sanitary Sewer
Volunteer Sump Pump Program - Blueprint Clintonville 3 Project 2	338,000	2,252,000	-	-	-	-	2,590,000	Voted 2016 Debt - Sanitary Sewer

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Volunteer Sump Pump Program - Blueprint Clintonville 3 Project 3	-	2,590,000	-	-	-	-	2,590,000	Voted 2016 Debt - Sanitary Sewer
Volunteer Sump Pump Program - Blueprint Clintonville 3 Project 4	-	-	2,590,000	-	-	-	2,590,000	Voted 2019 Debt - Sanitary
Volunteer Sump Pump Program - Blueprint 5th by Northwest	-	1,725,000	-	-	-	-	1,725,000	Voted 2016 Debt - Sanitary Sewer
Volunteer Sump Pump Program - Blueprint Hilltop 4, Phase 1	-	1,725,000	-	-	-	-	1,725,000	Voted 2016 Debt - Sanitary Sewer
Volunteer Sump Pump Program - Blueprint Hilltop 4, Phase 2	-	-	1,725,000	-	-	-	1,725,000	Voted 2019 Debt - Sanitary
Blueprint Hilltop 1 Volunteer Sump Pump Program Project 2	1,863,575	-	-	-	-	-	1,863,575	Voted 2016 Debt - Sanitary Sewer
Blueprint Hilltop 1 Volunteer Sump Pump Program Project 3	2,213,575	-	-	-	-	-	2,213,575	Voted 2016 Debt - Sanitary Sewer
Blueprint Hilltop 1 Volunteer Sump Pump Program Project 4	350,000	1,863,575	-	-	-	-	2,213,575	Voted 2016 Debt - Sanitary Sewer
Volunteer Sump Pump Program - Blueprint West Franklinton, Phase 1	-	-	-	-	1,668,000	-	1,668,000	Sanitary Sewer Enterprise (Unvoted)
Volunteer Sump Pump Program - Blueprint West Franklinton, Phase 2	-	-	-	-	-	1,668,000	1,668,000	Sanitary Sewer Enterprise (Unvoted)
Volunteer Sump Pump Program - Blueprint James Livingston 5, Phase 1	-	-	-	-	2,070,000	-	2,070,000	Sanitary Sewer Enterprise (Unvoted)
Volunteer Sump Pump Program - Blueprint James Livingston 5, Phase 2	-	-	-	-	-	2,070,000	2,070,000	Sanitary Sewer Enterprise (Unvoted)
Volunteer Sump Pump Program - Blueprint James Livingston 5, Phase 3	-	-	-	-	-	2,070,000	2,070,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Miller/Kelton Volunteer Sump Pump Program Project 2	1,860,000	-	-	-	-	-	1,860,000	Voted 2016 Debt - Sanitary Sewer
BP Near South Volunteer Sump Pump 1	-	-	-	-	1,994,991	-	1,994,991	Sanitary Sewer Enterprise (Unvoted)
BP Near South Volunteer Sump Pump 2	-	-	-	-	1,994,991	-	1,994,991	Sanitary Sewer Enterprise (Unvoted)
Upsizing Sewer Pipes - Project ID 4 - North Linden 2	-	-	-	-	118,701	-	118,701	Sanitary Sewer Enterprise (Unvoted)
Upsizing Sewer Pipes - Project ID 5a, 5b, 5c - North Linden 2	-	-	-	-	175,350	-	175,350	Sanitary Sewer Enterprise (Unvoted)
Scioto Main Sanitary Pump Stations	-	1,200,000	-	-	-	-	1,200,000	Voted 2016 Debt - Sanitary Sewer
Scioto Main Sanitary Pump Stations	-	-	12,000,000	-	-	-	12,000,000	WPCLF/OWDA
Scioto Main Sanitary Trunk Sewer Rehabilitation	100,000	1,200,000	-	-	-	-	1,300,000	Voted 2016 Debt - Sanitary Sewer
Scioto Main Sanitary Trunk Sewer Rehabilitation	-	15,000,000	-	-	-	-	15,000,000	WPCLF/OWDA
Meeklynn Drive Area Sanitary Sewer	-	450,000	-	-	-	-	450,000	Voted 2016 Debt - Sanitary Sewer
Meeklynn Drive Area Sanitary Sewer	-	3,000,000	-	-	-	-	3,000,000	WPCLF/OWDA
HSTS Elimination Program	-	-	-	-	200,000	400,000	600,000	Sanitary Sewer Enterprise (Unvoted)
HSTS Elimination Program	-	-	-	-	-	1,450,000	1,450,000	WPCLF/OWDA
Williams / Behm HSTS Elimination Project	3,933,277	-	-	-	-	-	3,933,277	WPCLF/OWDA
Dyer / Lazar HSTS Elimination Project	405,000	-	-	-	-	-	405,000	Voted 2016 Debt - Sanitary Sewer
Dyer / Lazar HSTS Elimination Project	-	4,000,000	-	-	-	-	4,000,000	WPCLF/OWDA
Brooklyn / Cleveland HSTS Elimination Project	-	257,000	-	-	-	-	257,000	Voted 2016 Debt - Sanitary Sewer
Brooklyn / Cleveland HSTS Elimination Project	-	1,120,000	-	-	-	-	1,120,000	WPCLF/OWDA
Community Park / Maple Canyon HSTS Elimination Project	100,000	200,000	-	-	-	-	300,000	Voted 2016 Debt - Sanitary Sewer
Community Park / Maple Canyon HSTS Elimination Project	-	1,800,000	-	-	-	-	1,800,000	WPCLF/OWDA
Barnett / E Deshler HSTS Elimination Project	-	100,000	112,500	-	-	-	212,500	Voted 2016 Debt - Sanitary Sewer
Barnett / E Deshler HSTS Elimination Project	-	-	750,000	-	-	-	750,000	WPCLF/OWDA
Olentangy River Rd / Snouffer Rd HSTS Elimination Project	-	1,320,000	-	-	-	-	1,320,000	Voted 2016 Debt - Sanitary Sewer
Olentangy River Rd / Snouffer Rd HSTS Elimination Project	-	-	-	220,000	-	-	220,000	Voted 2019 Debt - Sanitary
Olentangy River Rd / Snouffer Rd HSTS Elimination Project	-	-	-	860,000	-	-	860,000	WPCLF/OWDA
Sunbury Rd / Mock Rd HSTS Elimination Project	-	-	-	-	450,000	-	450,000	Sanitary Sewer Enterprise (Unvoted)
Sunbury Rd / Mock Rd HSTS Elimination Project	-	-	350,000	-	-	-	350,000	Voted 2016 Debt - Sanitary Sewer
Sunbury Rd / Mock Rd HSTS Elimination Project	-	-	-	-	2,500,000	-	2,500,000	WPCLF/OWDA
Spangler Rd / Williams Rd HSTS Elimination Project	-	-	-	270,000	370,000	-	640,000	Voted 2019 Debt - Sanitary
Spangler Rd / Williams Rd HSTS Elimination Project	-	-	-	-	-	2,000,000	2,000,000	WPCLF/OWDA
Lockbourne Rd / Williams Rd HSTS Elimination Project	-	-	-	-	200,000	300,000	500,000	Sanitary Sewer Enterprise (Unvoted)
Blueprint Affordability Update	-	-	-	500,000	-	-	500,000	Voted 2019 Debt - Sanitary
Subtotal - SANITARY SEWERS	\$ 516,669,251	\$ 317,077,709	\$ 243,834,580	\$ 207,987,562	\$ 221,444,615	\$ 272,682,165	\$ 1,779,695,882	
ELECTRICITY								
UIRF Funded Street Lighting Projects (Urban Infrastructure Recovery Fund)	\$ -	\$ -	\$ -	\$ -	\$ 505,000	\$ 505,000	\$ 1,010,000	Councilmanic SIT Supported
UIRF Funded Street Lighting Projects (Urban Infrastructure Recovery Fund)	505,000	505,000	-	-	-	-	1,010,000	Voted 2016 Debt - Electricity
UIRF Funded Street Lighting Projects (Urban Infrastructure Recovery Fund)	-	-	505,000	505,000	-	-	1,010,000	Voted 2019 Debt - Electricity
East Fifth Avenue Decorative Street Lighting	353,237	-	-	-	-	-	353,237	Voted 2016 Debt - Electricity
DOP Streetlight Program	-	-	-	-	-	500,000	500,000	Electricity Enterprise (Unvoted)
DOP Streetlight Program	-	500,000	73,714	-	-	-	573,714	Voted 2016 Debt - Electricity
DOP Streetlight Program	-	-	426,286	500,000	500,000	-	1,426,286	Voted 2019 Debt - Electricity

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Morse Rd. (Ph. II) System Improvements, Circuit 7221	-	-	290,000	-	-	-	290,000	Voted 2016 Debt - Electricity
Morse Rd. (Ph. III & IV) System Improvements	-	-	350,000	-	-	-	350,000	Voted 2016 Debt - Electricity
Morse Rd. (Ph. III & IV) System Improvements	-	-	-	5,438,439	-	-	5,438,439	Voted 2019 Debt - Electricity
17th Avenue Circuit Upgrade	150,000	1,250,000	-	-	-	-	1,400,000	Voted 2016 Debt - Electricity
Conversion to 3 Wire	-	-	-	-	-	300,000	300,000	Electricity Enterprise (Unvoted)
Conversion to 3 Wire	-	300,000	300,000	-	-	-	600,000	Voted 2016 Debt - Electricity
Conversion to 3 Wire	-	-	-	300,000	300,000	-	600,000	Voted 2019 Debt - Electricity
Forest Hills Street Lighting	-	-	44,550	-	-	-	44,550	Voted 2016 Debt - Electricity
Forest Hills Street Lighting	-	-	-	386,100	-	-	386,100	Voted 2019 Debt - Electricity
Jackson Pike Substation DT-1E Transformer Replacement	-	-	-	-	-	2,000,000	2,000,000	Electricity Enterprise (Unvoted)
Jackson Pike Substation DT-1E Transformer Replacement	-	-	-	2,000,000	-	-	2,000,000	Voted 2019 Debt - Electricity
Furnace St. Substation DT-1 Transformer Replacement	-	2,000,000	-	-	-	-	2,000,000	Voted 2016 Debt - Electricity
7200V Circuit Upgrade & Reconductoring Phase I	-	-	-	215,000	1,562,000	-	1,777,000	Voted 2019 Debt - Electricity
7200V Circuit Upgrade & Reconductoring Phase II	-	-	-	-	-	1,617,000	1,617,000	Electricity Enterprise (Unvoted)
7200V Circuit Upgrade & Reconductoring Phase II	-	-	-	200,000	-	-	200,000	Voted 2019 Debt - Electricity
Oil Switch Replacement Program 2020	120,000	120,000	-	-	-	-	240,000	Voted 2016 Debt - Electricity
Oil Switch Replacement Program 2021	-	-	120,000	-	-	-	120,000	Voted 2016 Debt - Electricity
Oil Switch Replacement Program 2022	-	-	-	-	106,090	120,000	226,090	Electricity Enterprise (Unvoted)
Oil Switch Replacement Program 2022	-	-	-	120,000	13,910	-	133,910	Voted 2019 Debt - Electricity
Twin Rivers - Vine Street Lighting	-	40,000	-	-	-	-	40,000	Voted 2016 Debt - Electricity
Twin Rivers - Vine Street Lighting	-	-	-	200,000	-	-	200,000	Voted 2019 Debt - Electricity
Mair - Scioto Street Lighting	-	-	-	-	-	38,003	38,003	Electricity Enterprise (Unvoted)
Freeway & Kingshill Street Lighting	960,000	-	-	-	-	-	960,000	Voted 2016 Debt - Electricity
Fitzroy & Morse Rd Street Lighting	-	-	537,280	-	-	-	537,280	Voted 2016 Debt - Electricity
Cherry Creek & Cherryhurst Street Lighting	-	-	307,470	-	-	-	307,470	Voted 2016 Debt - Electricity
Broad Street & Noe Bixby Street Lighting	-	-	297,644	-	-	-	297,644	Voted 2016 Debt - Electricity
Sancus & Whitewater Street Lighting	-	70,000	-	-	-	-	70,000	Voted 2016 Debt - Electricity
Sancus & Whitewater Street Lighting	-	-	-	362,000	-	-	362,000	Voted 2019 Debt - Electricity
Jasonway & Knightsbridge Street Lighting	-	875,000	-	-	-	-	875,000	Voted 2016 Debt - Electricity
Clime Rd. Street Lighting	-	100,000	515,000	-	-	-	615,000	Voted 2016 Debt - Electricity
Capitol & Fulton Street Lighting	-	50,000	-	-	-	-	50,000	Voted 2016 Debt - Electricity
Capitol & Fulton Street Lighting	-	-	-	316,250	-	-	316,250	Voted 2019 Debt - Electricity
Brookfield & Tupsfield Street Lighting	-	445,000	-	-	-	-	445,000	Voted 2016 Debt - Electricity
Shabot & Tamarack Street Lighting	-	-	-	-	22,750	-	22,750	Electricity Enterprise (Unvoted)
Sawmill & Summitview Street Lighting	-	125,225	670,022	-	-	-	795,247	Voted 2016 Debt - Electricity
Riverview & Stinchcomb Street Lighting	-	304,484	-	-	-	-	304,484	Voted 2016 Debt - Electricity
Morningsstar & North Forty Street Lighting	808,173	-	-	-	-	-	808,173	Voted 2016 Debt - Electricity
Cleveland Avenue Street Lighting	-	47,721	220,480	-	-	-	268,201	Voted 2016 Debt - Electricity
Westerville Road Street Lighting	-	-	-	-	444,000	-	444,000	Electricity Enterprise (Unvoted)
Smoky Row Street Lighting	-	-	-	-	650,015	-	650,015	Voted 2019 Debt - Electricity
General Engineering Contract 2019 - 2022	150,000	150,000	-	-	-	-	300,000	Voted 2016 Debt - Electricity
General Engineering Contract 2022-2025	-	-	-	-	-	100,000	100,000	Electricity Enterprise (Unvoted)
General Engineering Contract 2022-2025	-	-	100,000	-	-	-	100,000	Voted 2016 Debt - Electricity
General Engineering Contract 2022-2025	-	-	-	100,000	100,000	-	200,000	Voted 2019 Debt - Electricity
Circuit 30 Street Lighting Improvement Upgrade	-	-	-	-	1,059,500	-	1,059,500	Electricity Enterprise (Unvoted)
SMART Streetlighting	-	-	-	-	3,500,000	3,500,000	7,000,000	Electricity Enterprise (Unvoted)
SMART Streetlighting	2,250,000	3,500,000	-	-	-	-	5,750,000	Voted 2016 Debt - Electricity
SMART Streetlighting	-	-	3,500,000	3,500,000	-	-	7,000,000	Voted 2019 Debt - Electricity
System Neutral and Grounding Improvements	-	-	200,000	-	-	-	200,000	Voted 2016 Debt - Electricity
System Neutral and Grounding Improvements	-	-	-	200,000	200,000	-	400,000	Voted 2019 Debt - Electricity
Voltage Conversions and Reconductoring	-	-	-	-	-	1,000,000	1,000,000	Electricity Enterprise (Unvoted)
Voltage Conversions and Reconductoring	500,000	1,000,000	1,000,000	-	-	-	2,500,000	Voted 2016 Debt - Electricity
Voltage Conversions and Reconductoring	-	-	-	1,000,000	1,000,000	-	2,000,000	Voted 2019 Debt - Electricity
System Protection Improvements	250,000	-	-	-	-	-	250,000	Voted 2016 Debt - Electricity

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Cutout and Lightning Arrester Replacements	250,000	-	-	-	-	-	250,000	Voted 2016 Debt - Electricity
Circuit 576 Street Lighting Improvements	-	120,000	1,000,000	-	-	-	1,120,000	Voted 2016 Debt - Electricity
Circuit 577 Street Lighting Improvements	-	-	100,000	-	-	-	100,000	Voted 2016 Debt - Electricity
Circuit 577 Street Lighting Improvements	-	-	-	900,000	-	-	900,000	Voted 2019 Debt - Electricity
Circuit 23 Street Lighting Improvements	-	-	-	-	85,000	750,000	835,000	Electricity Enterprise (Unvoted)
Subtotal - ELECTRICITY	\$ 6,296,410	\$ 11,502,430	\$ 10,557,446	\$ 16,242,789	\$ 10,048,265	\$ 10,430,003	\$ 65,077,343	
WATER								
Misc. Erosion Control	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	2,500,000	Voted 2013 Debt - Water
Misc. Erosion Control	-	100,000	100,000	-	-	-	200,000	Voted 2016 Debt - Water
Misc. Erosion Control	-	-	-	100,000	-	-	100,000	Voted 2019 Debt - Water
Miscellaneous Water Facilities	100,000	-	-	-	-	-	100,000	Voted 2013 Debt - Water
Miscellaneous Water Facilities	-	100,000	100,000	-	-	-	200,000	Voted 2016 Debt - Water
Miscellaneous Water Facilities	-	-	-	-	100,000	-	100,000	Voted 2019 Debt - Water
Indianola Facility Improvements	2,150,000	-	-	-	-	-	2,150,000	Voted 2013 Debt - Water
Indianola Facility Improvements	-	-	21,200,000	-	-	-	21,200,000	Voted 2016 Debt - Water
Distribution Maintenance Area Imp's	-	-	400,000	-	-	-	400,000	Voted 2016 Debt - Water
910 Dublin Road Garage Roof Replacement	-	1,000,000	-	-	-	-	1,000,000	Voted 2013 Debt - Water
910 Dublin Road Garage Roof Replacement	-	500,000	-	-	-	-	500,000	Voted 2016 Debt - Water
910 Dublin Road Standby Power Improvements	150,000	-	-	-	-	-	150,000	Voted 2013 Debt - Water
Rinehart Public Utilities Complex Water Service Improvements	100,000	-	-	-	-	-	100,000	Voted 2013 Debt - Water
Water Main Rehabilitation	100,000	-	-	-	-	-	100,000	Voted 2013 Debt - Water
Water Main Rehabilitation	-	5,000,000	6,000,000	-	-	-	11,000,000	Voted 2016 Debt - Water
Water Main Rehabilitation	-	-	-	4,400,000	3,062,500	1,287,500	8,750,000	Voted 2019 Debt - Water
Water Main Rehabilitation	-	-	-	-	21,437,500	30,625,000	52,062,500	WSRLA Loan
Water Main Rehabilitation	-	-	-	-	-	3,087,500	3,087,500	Water Enterprise (Unvoted)
Ziegler Ave. Area WL Imp's	360,000	-	-	-	-	-	360,000	Voted 2013 Debt - Water
Ziegler Ave. Area WL Imp's	3,600,000	-	-	-	-	-	3,600,000	WSRLA Loan
South Weyant Ave. Area WL Imp's	400,000	-	-	-	-	-	400,000	Voted 2013 Debt - Water
South Weyant Ave. Area WL Imp's	3,000,000	-	-	-	-	-	3,000,000	WSRLA Loan
Chestershire Rd. Area WL Imp's	400,000	-	-	-	-	-	400,000	Voted 2013 Debt - Water
Chestershire Rd. Area WL Imp's	2,868,000	-	-	-	-	-	2,868,000	WSRLA Loan
Atwood Terrace Area WL Imp's	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Atwood Terrace Area WL Imp's	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Greenway Ave. Area WL Imp's	400,000	-	-	-	-	-	400,000	Voted 2013 Debt - Water
Greenway Ave. Area WL Imp's	3,000,000	-	-	-	-	-	3,000,000	WSRLA Loan
Woodland Ave. Area WL Imp's	450,000	-	-	-	-	-	450,000	Voted 2013 Debt - Water
Woodland Ave. Area WL Imp's	3,500,000	-	-	-	-	-	3,500,000	WSRLA Loan
Aragon Avenue Area Water Line Improvements	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Aragon Avenue Area Water Line Improvements	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Mock Road Area Water Line Improvements	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Mock Road Area Water Line Improvements	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Edsel Avenue Area Water Line Improvements	-	450,000	-	-	-	-	450,000	Voted 2016 Debt - Water
Edsel Avenue Area Water Line Improvements	-	3,500,000	-	-	-	-	3,500,000	WSRLA Loan
Homestead Drive Area Water Line Improvements (fka #59)	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Homestead Drive Area Water Line Improvements (fka #59)	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Varsity Avenue Area Water Line Improvements (fka #60)	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Varsity Avenue Area Water Line Improvements (fka #60)	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Roswell Drive Area Water Line Improvements (fka #61)	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Roswell Drive Area Water Line Improvements (fka #61)	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Livingston Ave Phase B W.L. Imp's	-	100,000	-	-	-	-	100,000	Voted 2016 Debt - Water
Transite Pipe Replacement	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Transite Pipe Replacement	-	3,500,000	-	-	-	-	3,500,000	WSRLA Loan
E. Franklinton WL Imp's (2017) - Constr. Phase 2	450,000	-	-	-	-	-	450,000	Voted 2013 Debt - Water
E. Franklinton WL Imp's (2017) - Constr. Phase 2	3,000,000	-	-	-	-	-	3,000,000	WSRLA Loan

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)

DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Sunrise Glenn WL Imp's	-	75,000	-	-	-	-	75,000	Voted 2016 Debt - Water
Sunrise Glenn WL Imp's	-	-	500,000	-	-	-	500,000	WSRLA Loan
Central College Road 16-Inch Waterline Extension	100,000	-	-	-	-	-	100,000	Voted 2013 Debt - Water
Newton/Bedford WL Imp's	60,000	-	-	-	-	-	60,000	Voted 2013 Debt - Water
Newton/Bedford WL Imp's	500,000	-	-	-	-	-	500,000	WSRLA Loan
Project No. 62 W.M. Replacement	300,000	-	-	-	-	-	300,000	Voted 2013 Debt - Water
Project No. 62 W.M. Replacement	-	-	450,000	-	-	-	450,000	Voted 2016 Debt - Water
Project No. 62 W.M. Replacement	-	-	3,000,000	-	-	-	3,000,000	WSRLA Loan
Project No. 63 W.M. Replacement	300,000	-	-	-	-	-	300,000	Voted 2013 Debt - Water
Project No. 63 W.M. Replacement	-	-	450,000	-	-	-	450,000	Voted 2016 Debt - Water
Project No. 63 W.M. Replacement	-	-	3,000,000	-	-	-	3,000,000	WSRLA Loan
Project No. 64 W.M. Replacement	300,000	-	-	-	-	-	300,000	Voted 2013 Debt - Water
Project No. 64 W.M. Replacement	-	-	450,000	-	-	-	450,000	Voted 2016 Debt - Water
Project No. 64 W.M. Replacement	-	-	3,000,000	-	-	-	3,000,000	WSRLA Loan
Project No. 65 W.M. Replacement	300,000	-	-	-	-	-	300,000	Voted 2013 Debt - Water
Project No. 65 W.M. Replacement	-	-	450,000	-	-	-	450,000	Voted 2016 Debt - Water
Project No. 65 W.M. Replacement	-	-	3,000,000	-	-	-	3,000,000	WSRLA Loan
Project No. 66 W.M. Replacement	300,000	-	-	-	-	-	300,000	Voted 2013 Debt - Water
Project No. 66 W.M. Replacement	-	-	450,000	-	-	-	450,000	Voted 2016 Debt - Water
Project No. 66 W.M. Replacement	-	-	3,000,000	-	-	-	3,000,000	WSRLA Loan
Project No. 67 W.M. Replacement	300,000	-	-	-	-	-	300,000	Voted 2013 Debt - Water
Project No. 67 W.M. Replacement	-	-	450,000	-	-	-	450,000	Voted 2016 Debt - Water
Project No. 67 W.M. Replacement	-	-	3,000,000	-	-	-	3,000,000	WSRLA Loan
Project No. 68 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 68 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 68 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 69 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 69 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 69 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 70 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 70 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 70 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 71 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 71 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 71 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 72 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 72 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 72 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 73 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 73 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 73 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 74 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 74 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 74 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 75 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 75 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 75 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 76 W.M. Replacement	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 76 W.M. Replacement	-	-	-	450,000	-	-	450,000	Voted 2019 Debt - Water
Project No. 76 W.M. Replacement	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Project No. 77 W.M. Replacement	-	-	300,000	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 77 W.M. Replacement	-	-	-	-	450,000	-	450,000	Voted 2019 Debt - Water
Project No. 77 W.M. Replacement	-	-	-	-	3,000,000	-	3,000,000	WSRLA Loan
Project No. 78 W.M. Replacement	-	-	300,000	-	-	-	300,000	Voted 2016 Debt - Water

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Project No. 78 W.M. Replacement	-	-	-	-	450,000	-	450,000	Voted 2019 Debt - Water
Project No. 78 W.M. Replacement	-	-	-	-	3,000,000	-	3,000,000	WSRLA Loan
Project No. 79 W.M. Replacement	-	-	300,000	-	-	-	300,000	Voted 2016 Debt - Water
Project No. 79 W.M. Replacement	-	-	-	-	450,000	-	450,000	Voted 2019 Debt - Water
Project No. 79 W.M. Replacement	-	-	-	-	3,000,000	-	3,000,000	WSRLA Loan
Barnett Road Water Main Imp's	-	-	450,000	-	-	-	450,000	Voted 2016 Debt - Water
Old Beechwood Area Water Line Imp's	3,000,000	-	-	-	-	-	3,000,000	WSRLA Loan
Scioto Peninsula WL Imp's	3,000,000	-	-	-	-	-	3,000,000	Voted 2013 Debt - Water
Eureka-Fremont Area Water Line Improvements	1,500,000	-	-	-	-	-	1,500,000	WSRLA Loan
Kent-Fairwood Area Water Line Improvements	1,200,000	-	-	-	-	-	1,200,000	Voted 2013 Debt - Water
Palmetto/Westgate Water Line Improvements	1,000,000	-	-	-	-	-	1,000,000	WSRLA Loan
O'Shaughnessy Dam FERC Independent Consultant Review	250,000	250,000	-	-	-	-	500,000	Voted 2013 Debt - Water
DRWP Miscellaneous Improvements	150,000	-	-	-	-	-	150,000	Voted 2013 Debt - Water
DRWP Miscellaneous Improvements	-	100,000	100,000	-	-	-	200,000	Voted 2016 Debt - Water
DRWP Miscellaneous Improvements	-	-	-	125,000	125,000	-	250,000	Voted 2019 Debt - Water
DRWP Miscellaneous Improvements	-	-	-	-	-	125,000	125,000	Water Enterprise (Unvoted)
DRWP Misc. Imp's - Exterior Door and Window Replacement	-	-	-	-	1,500,000	-	1,500,000	Voted 2019 Debt - Water
DRWP Misc. Imp's - Educational Signage & Displays	-	-	150,000	-	-	-	150,000	Voted 2016 Debt - Water
DRWP Misc. Imp's - Basin Clarifier Rehab	1,400,000	-	-	-	-	-	1,400,000	Voted 2013 Debt - Water
DRWP Misc. Imp's - Basin Clarifier Rehab	12,000,000	-	-	-	-	-	12,000,000	WSRLA Loan
DRWP Alum Feed Improvements	-	-	-	-	250,000	-	250,000	Voted 2019 Debt - Water
HCWP Misc. Improvements	350,000	-	-	-	-	-	350,000	Voted 2013 Debt - Water
HCWP Misc. Improvements	-	115,000	115,000	-	-	-	230,000	Voted 2016 Debt - Water
HCWP Misc. Improvements	-	-	-	120,000	120,000	120,000	360,000	Voted 2019 Debt - Water
HCWP Misc. Improvements	-	-	-	-	-	5,000	5,000	Water Enterprise (Unvoted)
HCWP Misc. Improvements - HCWP Actuator and HSP Monitoring Improvements	750,000	-	-	-	-	-	750,000	Voted 2013 Debt - Water
HCWP Misc Imp's - Raw Water Screen Replacement	-	-	-	-	-	450,000	450,000	Water Enterprise (Unvoted)
HCWP Misc Imp's - Restroom Imp's	-	350,000	-	-	-	-	350,000	Voted 2016 Debt - Water
HCWP Misc. Improvements - Misc. Concrete Improvements	-	-	-	-	350,000	-	350,000	Voted 2019 Debt - Water
HCWP Misc. Improvements - Plant Roadway Improvements	-	-	-	600,000	-	-	600,000	Voted 2019 Debt - Water
HCWP Misc. Improvements - Roof Improvements	-	-	-	-	300,000	-	300,000	Voted 2019 Debt - Water
PAWP Facility Misc. Improvements	110,000	-	-	-	-	-	110,000	Voted 2013 Debt - Water
PAWP Facility Misc. Improvements	-	115,000	115,000	-	-	-	230,000	Voted 2016 Debt - Water
PAWP Facility Misc. Improvements	-	-	-	120,000	120,000	-	240,000	Voted 2019 Debt - Water
PAWP Facility Misc. Improvements	-	-	-	-	-	5,000,000	5,000,000	Water Enterprise (Unvoted)
PAWP Misc. Imp's - Lime Slaker and Soda Ash Feeder Replacement	700,000	-	-	-	-	-	700,000	Voted 2013 Debt - Water
PAWP Misc. Imp's - Lime Slaker and Soda Ash Feeder Replacement	6,000,000	-	-	-	-	-	6,000,000	WSRLA Loan
PAWP Misc. Imp's - Control Room Renovation	-	-	350,000	-	-	-	350,000	Voted 2016 Debt - Water
PAWP Misc. Imp's - Control Room Renovation	-	-	2,500,000	-	-	-	2,500,000	WSRLA Loan
PAWP Misc. Imp's - Chemical Storage Tank Imp's	-	-	-	500,000	-	-	500,000	WSRLA Loan
PAWP Misc. Imp's - Laboratory Renovation	-	-	1,500,000	-	-	-	1,500,000	WSRLA Loan
PAWP Misc. Imp's - Roof Renovations - Part 1	-	-	800,000	-	-	-	800,000	Voted 2016 Debt - Water
PAWP Misc. Imp's - Roof Renovations - Part 2	-	-	-	-	800,000	-	800,000	Voted 2019 Debt - Water
McKinley Avenue Quarry Misc. Improvements 2021	-	1,000,000	-	-	-	-	1,000,000	Voted 2013 Debt - Water
Automatic Meter Reading	750,000	-	-	-	-	-	750,000	Voted 2013 Debt - Water
Automatic Meter Reading	-	1,500,000	1,500,000	-	-	-	3,000,000	Voted 2016 Debt - Water
Automatic Meter Reading	-	-	-	1,350,000	-	-	1,350,000	Voted 2019 Debt - Water
Automatic Meter Reading - Equipment 2019	5,000,000	-	-	-	-	-	5,000,000	WSRLA Loan
Automatic Meter Reading - Equipment 2020	5,000,000	-	-	-	-	-	5,000,000	WSRLA Loan
Automatic Meter Reading - Construction 2020	80,000,000	-	-	-	-	-	80,000,000	WSRLA Loan
Automatic Meter Reading - Equipment 2021	-	5,000,000	-	-	-	-	5,000,000	WSRLA Loan
Automatic Meter Reading - Equipment 2022	-	-	5,000,000	-	-	-	5,000,000	WSRLA Loan
Automatic Meter Reading - Equipment 2023	-	-	-	5,000,000	-	-	5,000,000	WSRLA Loan
Watershed Roadway Improvements - Part 5	175,000	-	-	-	-	-	175,000	Voted 2013 Debt - Water

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Watershed Roadway Improvements - Part 5	-	250,000	50,000	-	-	-	300,000	Voted 2016 Debt - Water
Watershed Roadway Improvements - Part 6	-	-	-	-	-	500,000	500,000	Water Enterprise (Unvoted)
HCWP Basin Concrete Rehab.	1,500,000	-	-	-	-	-	1,500,000	Voted 2013 Debt - Water
HCWP Basin Concrete Rehabilitation Part 2	-	15,000,000	-	-	-	-	15,000,000	WSRLA Loan
HCWP Pump Improvements	200,000	-	-	-	-	-	200,000	Voted 2013 Debt - Water
HCWP Pump Improvements	-	200,000	200,000	-	-	-	400,000	Voted 2016 Debt - Water
HCWP Pump Improvements	-	-	-	225,000	225,000	-	450,000	Voted 2019 Debt - Water
HCWP Pump Improvements	-	-	-	-	-	225,000	225,000	Water Enterprise (Unvoted)
Water Meter Renewal	-	800,000	500,000	-	-	-	1,300,000	Voted 2016 Debt - Water
Water Meter Renewal	-	-	-	500,000	2,500,000	-	3,000,000	Voted 2019 Debt - Water
Water Meter Renewal	-	-	-	-	-	2,500,000	2,500,000	Water Enterprise (Unvoted)
Valve Renewal Program	-	2,000,000	-	-	-	-	2,000,000	Voted 2016 Debt - Water
Valve Renewal Program	-	-	-	2,000,000	-	-	2,000,000	Voted 2019 Debt - Water
Valve Renewal Program	-	-	-	-	-	2,000,000	2,000,000	Water Enterprise (Unvoted)
Watershed Misc. Improv. Facilities	110,000	-	-	-	-	-	110,000	Voted 2013 Debt - Water
Watershed Misc. Improv. Facilities	-	115,000	115,000	-	-	-	230,000	Voted 2016 Debt - Water
Watershed Misc. Improv. Facilities	-	-	-	120,000	120,000	-	240,000	Voted 2019 Debt - Water
Watershed Misc. Improv. Facilities	-	-	-	-	-	125,000	125,000	Water Enterprise (Unvoted)
Griggs Dam - Spillway, Abutment and Scour Mitigation Imp's	-	-	-	-	400,000	2,800,000	3,200,000	Voted 2019 Debt - Water
Hoover Dam Imp's - Part 1	13,000,000	-	-	-	-	-	13,000,000	Voted 2013 Debt - Water
Hoover Dam Imp's - Part 2	-	-	300,000	-	-	-	300,000	Voted 2016 Debt - Water
Hoover Dam Imp's - Part 2	-	-	-	700,000	7,800,000	-	8,500,000	Voted 2019 Debt - Water
Watershed Misc. Imp's - Hoover Maintenance Complex Fuel System	-	-	-	-	-	350,000	350,000	Water Enterprise (Unvoted)
Watershed Protection Easements	-	50,000	50,000	-	-	-	100,000	Voted 2016 Debt - Water
Watershed Protection Easements	-	-	-	50,000	50,000	-	100,000	Voted 2019 Debt - Water
Watershed Protection Easements	-	-	-	-	-	50,000	50,000	Water Enterprise (Unvoted)
Gen'l Eng Svcs - Supply Group 2018A	400,000	400,000	-	-	-	-	800,000	Voted 2013 Debt - Water
Gen'l Eng Svcs - Supply Group 2018B	400,000	-	-	-	-	-	400,000	Voted 2013 Debt - Water
Gen'l Eng Svcs - Supply Group 2018B	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Gen'l Eng Svcs - Supply Group 2021A	-	400,000	400,000	-	-	-	800,000	Voted 2016 Debt - Water
Gen'l Eng Svcs - Supply Group 2021A	-	-	-	400,000	-	-	400,000	Voted 2019 Debt - Water
Gen'l Eng Svcs - Supply Group 2021B	-	400,000	400,000	-	-	-	800,000	Voted 2016 Debt - Water
Gen'l Eng Svcs - Supply Group 2021B	-	-	-	400,000	-	-	400,000	Voted 2019 Debt - Water
Gen'l Eng Svcs - Supply Group 2024A	-	-	-	-	450,000	450,000	900,000	Voted 2019 Debt - Water
Gen'l Eng Svcs - Supply Group 2024B	-	-	-	-	450,000	35,000	485,000	Voted 2019 Debt - Water
Gen'l Eng Svcs - Supply Group 2024B	-	-	-	-	-	415,000	415,000	Water Enterprise (Unvoted)
O'Shaughnessy Gatehouse Misc. Imp.'s	1,000,000	-	-	-	-	-	1,000,000	Voted 2013 Debt - Water
Misc. Booster Station and Water Tank Imp's	900,000	-	-	-	-	-	900,000	Voted 2013 Debt - Water
Misc. Booster Station and Water Tank Imp's	-	1,000,000	1,000,000	-	-	-	2,000,000	Voted 2016 Debt - Water
Misc. Booster Station and Water Tank Imp's	-	-	-	1,000,000	1,000,000	-	2,000,000	Voted 2019 Debt - Water
Misc. Booster Station and Water Tank Imp's	-	-	-	-	-	1,000,000	1,000,000	Water Enterprise (Unvoted)
Water Storage Tank Painting	-	3,000,000	2,000,000	-	-	-	5,000,000	Voted 2016 Debt - Water
Water Storage Tank Painting	-	-	-	1,500,000	1,000,000	-	2,500,000	Voted 2019 Debt - Water
Water Storage Tank Painting	-	-	-	-	-	1,500,000	1,500,000	Water Enterprise (Unvoted)
Security Enhancements - 910 Dublin Road	2,600,000	-	-	-	-	-	2,600,000	Voted 2013 Debt - Water
Security Enhancements - HCWP	-	-	-	-	-	5,000,000	5,000,000	Water Enterprise (Unvoted)
Security Enhancements - PAWP	-	-	-	-	5,000,000	-	5,000,000	Voted 2019 Debt - Water
HCWP Hypochlorite Disinfection Improvements	1,600,000	-	-	-	-	-	1,600,000	Voted 2013 Debt - Water
HCWP Hypochlorite Disinfection Improvements	16,000,000	-	-	-	-	-	16,000,000	WSRLA Loan
PAWP Hypochlorite Disinfection Improvements	1,000,000	-	-	-	-	-	1,000,000	Voted 2013 Debt - Water
PAWP Hypochlorite Disinfection Improvements	10,500,000	-	-	-	-	-	10,500,000	WSRLA Loan
HCWP Window Replacement	-	-	500,000	-	-	-	500,000	Voted 2016 Debt - Water
Fourth Water Plant Quarry Land Acquisition	6,000,000	-	-	-	-	-	6,000,000	Voted 2013 Debt - Water
Dublin Road 30" Water Line	900,000	-	-	-	-	-	900,000	Voted 2013 Debt - Water

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Dublin Road 30" Water Line	10,000,000	-	-	-	-	-	10,000,000	WSRLA Loan
HCWP Sludge Disposal Line Imp's	7,500,000	-	-	-	-	-	7,500,000	WSRLA Loan
HCWP Intake Structure & Low Head Dam Rehabilitation	800,000	-	-	-	-	-	800,000	Voted 2013 Debt - Water
HCWP Intake Structure & Low Head Dam Rehabilitation	8,000,000	-	-	-	-	-	8,000,000	WSRLA Loan
PAWP HVAC Improvements	5,175,000	-	-	-	-	-	5,175,000	Voted 2013 Debt - Water
Water Quality Assurance Lab Renovations	9,200,000	-	-	-	-	-	9,200,000	WSRLA Loan
Water Main Repair	-	1,250,000	-	-	-	-	1,250,000	Voted 2016 Debt - Water
Water Main Repair	-	-	-	1,250,000	-	-	1,250,000	Voted 2019 Debt - Water
Water Main Repair	-	-	-	-	-	1,250,000	1,250,000	Water Enterprise (Unvoted)
Water Distribution System SCADA Improvements	-	-	250,000	-	-	-	250,000	Voted 2016 Debt - Water
Water Distribution System SCADA Improvements	-	-	-	-	2,250,000	-	2,250,000	Voted 2019 Debt - Water
DRWP Laboratory Upgrades	-	1,500,000	-	-	-	-	1,500,000	Voted 2016 Debt - Water
DRWP Central Maintenance Shop	-	-	-	-	500,000	200,000	700,000	Voted 2019 Debt - Water
Watershed Facilities Improvements	2,250,000	-	-	-	-	-	2,250,000	Voted 2013 Debt - Water
Watershed Facilities Improvements	-	-	250,000	-	-	-	250,000	Voted 2016 Debt - Water
Watershed Facilities Improvements	-	-	-	-	1,250,000	-	1,250,000	Voted 2019 Debt - Water
Fire Hydrant Repairs (non R & R)	-	1,250,000	-	-	-	-	1,250,000	Voted 2016 Debt - Water
Fire Hydrant Repairs (non R & R)	-	-	-	1,250,000	-	-	1,250,000	Voted 2019 Debt - Water
Fire Hydrant Repairs (non R & R)	-	-	-	-	-	1,250,000	1,250,000	Water Enterprise (Unvoted)
Gen'l Engineering Services - Distribution Group	-	-	-	600,000	600,000	-	1,200,000	Voted 2019 Debt - Water
Gen'l Engineering Services - Distribution Group	-	-	-	-	-	600,000	600,000	Water Enterprise (Unvoted)
2020 - 2022 Gen'l Engineering Services - Distribution Group	-	600,000	600,000	-	-	-	1,200,000	Voted 2016 Debt - Water
PAWP Well Pump Replacement - CWs #101, #104, and #115	625,000	-	-	-	-	-	625,000	Voted 2013 Debt - Water
PAWP Well Pump Replacement - CWs #101, #104, and #115	7,000,000	-	-	-	-	-	7,000,000	WSRLA Loan
Karl Road Water Tank	-	-	500,000	-	-	-	500,000	Voted 2016 Debt - Water
Karl Road Water Tank	-	-	-	-	6,000,000	-	6,000,000	Voted 2019 Debt - Water
Condition Assessment Program	-	-	-	1,500,000	-	-	1,500,000	Voted 2019 Debt - Water
Condition Assessment Program	-	-	-	-	-	1,500,000	1,500,000	Water Enterprise (Unvoted)
Residuals Management Plan Update	100,000	100,000	-	-	-	-	200,000	Voted 2013 Debt - Water
General Architectural Services - Division of Water 2021	300,000	-	-	-	-	-	300,000	Voted 2013 Debt - Water
General Architectural Services - Division of Water 2021	-	300,000	300,000	-	-	-	600,000	Voted 2016 Debt - Water
General Architectural Services - Division of Water 2021	-	-	-	300,000	300,000	-	600,000	Voted 2019 Debt - Water
HCWP Lime and Soda Ash Dust Collection System Improvements	-	725,000	-	-	-	-	725,000	Voted 2016 Debt - Water
General Construction (CA-CI) for 2020, 2021, 2022	800,000	-	-	-	-	-	800,000	Voted 2013 Debt - Water
General Construction (CA-CI) for 2020, 2021, 2022	-	400,000	400,000	-	-	-	800,000	Voted 2016 Debt - Water
General Construction (CA-CI) for 2023, 2024, 2025	-	-	-	800,000	400,000	-	1,200,000	Voted 2019 Debt - Water
General Construction (CA-CI) for 2023, 2024, 2025	-	-	-	-	-	400,000	400,000	Water Enterprise (Unvoted)
Plant Drain & Water System Imp's	-	250,000	-	-	-	-	250,000	Voted 2016 Debt - Water
Plant Drain & Water System Imp's	-	2,000,000	-	-	-	-	2,000,000	WSRLA Loan
Professional Construction Management (PCM) - Part II	2,000,000	250,000	-	-	-	-	2,250,000	Voted 2013 Debt - Water
Laboratory Upgrades	700,000	-	-	-	-	-	700,000	Voted 2013 Debt - Water
Laboratory Upgrades	-	450,000	-	-	-	-	450,000	Voted 2016 Debt - Water
Dam Engineering Services (DES)	-	150,000	150,000	-	-	-	300,000	Voted 2016 Debt - Water
Dam Engineering Services (DES)	-	-	-	150,000	150,000	-	300,000	Voted 2019 Debt - Water
Land Stewardship Update	250,000	-	-	-	-	-	250,000	Voted 2013 Debt - Water
DRWP Auxiliary Pump Station Imp's	-	-	-	-	800,000	-	800,000	Voted 2019 Debt - Water
PAWP Building Improvements	-	-	-	-	-	350,000	350,000	Water Enterprise (Unvoted)
HCWP Clearwell Improvements	-	-	-	250,000	-	-	250,000	Voted 2019 Debt - Water
PAWP Lagoon Sludge Removal	-	-	250,000	-	-	-	250,000	Voted 2016 Debt - Water
PAWP Lagoon Sludge Removal	-	-	-	-	-	250,000	250,000	Water Enterprise (Unvoted)
PAWP Remote Site Improvements	-	-	3,400,000	-	-	-	3,400,000	Voted 2016 Debt - Water
PAWP Remote Site Improvements	-	-	-	-	3,200,000	-	3,200,000	WSRLA Loan
Elevator Improvements	-	-	400,000	-	-	-	400,000	Voted 2019 Debt - Water
Watershed Signage Master Plan	-	-	250,000	-	-	-	250,000	Voted 2016 Debt - Water

Capital Improvements Program

2020 - 2025 CAPITAL IMPROVEMENTS PROGRAM (cont.)								
DEPARTMENT PROJECT	2020	2021	2022	2023	2024	2025	Total Budget	Funding Source
Watershed Signage Master Plan	-	-	-	250,000	-	-	250,000	Voted 2019 Debt - Water
DOW LIMS Upgrade	-	600,000	-	-	-	-	600,000	Voted 2016 Debt - Water
Electrical Power System Studies	-	350,000	250,000	-	-	-	600,000	Voted 2016 Debt - Water
Electrical Power System Studies	-	-	-	250,000	-	-	250,000	Voted 2019 Debt - Water
DOW Safety Improvements	-	300,000	1,350,000	-	-	-	1,650,000	Voted 2016 Debt - Water
DRWP Caustic Feed Improvements	200,000	125,000	-	-	-	-	325,000	Voted 2013 Debt - Water
DRWP Caustic Feed Improvements	-	600,000	-	-	-	-	600,000	WSRLA Loan
PAWP Treatment Residuals Disposal Improvements	2,250,000	-	-	-	-	-	2,250,000	Voted 2013 Debt - Water
PAWP Treatment Residuals Disposal Improvements	-	-	3,000,000	-	-	-	3,000,000	Voted 2016 Debt - Water
PAWP Treatment Residuals Disposal Improvements	-	-	21,400,000	-	-	-	21,400,000	WSRLA Loan
PAWP Wellfield Development	-	1,200,000	250,000	-	-	-	1,450,000	Voted 2016 Debt - Water
PAWP Wellfield Development	-	-	-	700,000	-	-	700,000	Voted 2019 Debt - Water
PAWP Wellfield Development	-	-	-	6,000,000	-	-	6,000,000	WSRLA Loan
DOW Perimeter Fence Improvements	-	-	750,000	-	-	-	750,000	Voted 2016 Debt - Water
Large Diameter Valve Replacement	-	-	-	-	200,000	200,000	400,000	Voted 2019 Debt - Water
PAWP Backwash Pump Replacement	-	-	-	350,000	-	-	350,000	Voted 2019 Debt - Water
PAWP Backwash Pump Replacement	-	-	-	-	-	1,250,000	1,250,000	WSRLA Loan
PAWP Backwash Pump Replacement	-	-	-	-	-	250,000	250,000	Water Enterprise (Unvoted)
Upground Reservoir Embankment Repairs - 2023	-	-	-	500,000	-	-	500,000	Voted 2019 Debt - Water
Watershed Boathouse Improvements	-	-	-	225,000	-	-	225,000	Voted 2019 Debt - Water
Watershed Boathouse Improvements	-	-	-	-	-	600,000	600,000	Water Enterprise (Unvoted)
Professional Construction Management (PCM) - 2018	5,500,000	-	-	-	-	-	5,500,000	Voted 2013 Debt - Water
Professional Construction Management (PCM) - 2018	-	4,000,000	500,000	-	-	-	4,500,000	Voted 2016 Debt - Water
Professional Construction Management (PCM) - 2020	1,700,000	1,035,000	-	-	-	-	2,735,000	Voted 2013 Debt - Water
Professional Construction Management (PCM) - 2020	-	2,665,000	700,000	-	-	-	3,365,000	Voted 2016 Debt - Water
Professional Construction Management (PCM) - 2020	-	-	6,000,000	9,250,000	7,750,000	3,500,000	26,500,000	Voted 2019 Debt - Water
Professional Construction Management (PCM) - 2022	-	-	1,500,000	-	-	-	1,500,000	Voted 2016 Debt - Water
Professional Construction Management (PCM) - 2022	-	-	-	5,000,000	4,500,000	-	9,500,000	Voted 2019 Debt - Water
Professional Construction Management (PCM) - 2022	-	-	-	-	-	3,500,000	3,500,000	Water Enterprise (Unvoted)
Professional Construction Management (PCM) - 2024	-	-	-	-	1,500,000	-	1,500,000	Voted 2019 Debt - Water
Professional Construction Management (PCM) - 2024	-	-	-	-	-	5,000,000	5,000,000	Water Enterprise (Unvoted)
Olentangy River Road 24-Inch Water Main (Phase 2)	3,600,000	-	-	-	-	-	3,600,000	WSRLA Loan
Olentangy River Road 24-Inch Water Main (Phase 3)	100,000	-	-	-	-	-	100,000	Voted 2013 Debt - Water
Large Diameter Valve Replacement Program	-	1,000,000	1,000,000	-	-	-	2,000,000	Voted 2016 Debt - Water
Large Diameter Valve Replacement Program	-	-	-	1,000,000	1,000,000	-	2,000,000	Voted 2019 Debt - Water
Large Diameter Valve Replacement Program	-	-	-	-	-	1,000,000	1,000,000	Water Enterprise (Unvoted)
PAWP Filter Console Replacement	-	-	-	-	200,000	100,000	300,000	Voted 2019 Debt - Water
McKinley Avenue Quarry Dewatering Facility	1,100,000	-	-	-	-	-	1,100,000	Voted 2013 Debt - Water
McKinley Avenue Quarry Dewatering Facility	-	4,000,000	-	-	-	-	4,000,000	Voted 2016 Debt - Water
McKinley Avenue Quarry Dewatering Facility	-	-	-	3,100,000	2,000,000	-	5,100,000	Voted 2019 Debt - Water
McKinley Avenue Quarry Dewatering Facility	-	-	-	34,000,000	-	-	34,000,000	WSRLA Loan
DRWP Residuals Handling Improvements	1,000,000	2,750,000	-	-	-	-	3,750,000	Voted 2013 Debt - Water
DRWP Residuals Handling Improvements	-	-	-	3,000,000	-	-	3,000,000	Voted 2019 Debt - Water
DRWP Residuals Handling Improvements	-	-	-	25,000,000	-	-	25,000,000	WSRLA Loan
HCWP Residuals Handling Improvements	-	-	750,000	-	-	-	750,000	Voted 2016 Debt - Water
HCWP Residuals Handling Improvements	-	-	-	1,650,000	1,500,000	-	3,150,000	Voted 2019 Debt - Water
HCWP Residuals Handling Improvements	-	-	-	-	16,000,000	-	16,000,000	WSRLA Loan
HCWP Residuals Handling Improvements	-	-	-	-	-	900,000	900,000	Water Enterprise (Unvoted)
Hudson Street 24" Water Line Improvements	-	1,500,000	-	-	-	-	1,500,000	Voted 2016 Debt - Water
PAWP Wellfield Development	-	-	-	1,500,000	-	1,300,000	2,800,000	Voted 2019 Debt - Water
HCWP Polymer Feed Improvements	-	-	-	-	-	200,000	200,000	Water Enterprise (Unvoted)
Subtotal - WATER	\$ 277,583,000	\$ 99,620,000	\$ 112,195,000	\$ 148,135,000	\$ 107,610,000	\$ 81,250,000	\$ 826,393,000	
Total	\$ 920,623,661	\$ 542,748,139	\$ 490,747,026	\$ 534,327,851	\$ 466,707,880	\$ 489,737,168	\$ 3,444,891,725	

Capital Improvements Program

2020-2025 CAPITAL IMPROVEMENTS PROGRAM FUNDING SUMMARY BY DIVISION							
DIVISION	2020	2021	2022	2023	2024	2025	Total Budget
Dev Administration	\$ 3,600,000	\$ 3,600,000	\$ 3,600,000	\$ 3,600,000	\$ 3,600,000	\$ 3,600,000	\$ 21,600,000
Construction Management	8,690,000	8,690,000	8,690,000	8,690,000	8,690,000	8,690,000	52,140,000
Fleet Management	400,000	800,000	800,000	800,000	800,000	800,000	4,400,000
Police	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	1,680,000	10,080,000
Fire	7,320,000	7,320,000	7,320,000	7,320,000	7,320,000	7,320,000	43,920,000
Transportation	46,405,000	43,905,000	43,905,000	43,905,000	43,905,000	43,905,000	265,930,000
Refuse Collection	6,080,000	6,080,000	6,080,000	6,080,000	6,080,000	6,080,000	36,480,000
Storm Sewer	16,475,000	15,503,000	23,695,000	62,662,500	25,200,000	23,690,000	167,225,500
Sanitary Sewers	516,669,251	317,077,709	243,834,580	207,987,562	221,444,615	272,682,165	1,779,695,882
Electricity	6,296,410	11,502,430	10,557,446	16,242,789	10,048,265	10,430,003	65,077,343
Water	277,583,000	99,620,000	112,195,000	148,135,000	107,610,000	81,250,000	826,393,000
Recreation and Parks	22,780,000	22,780,000	22,780,000	22,780,000	22,780,000	22,780,000	136,680,000
DoT Administration	6,645,000	4,190,000	5,610,000	4,445,000	7,550,000	6,830,000	35,270,000
Total	\$ 920,623,661	\$ 542,748,139	\$ 490,747,026	\$ 534,327,851	\$ 466,707,880	\$ 489,737,168	\$ 3,444,891,725

2020-2025 CAPITAL IMPROVEMENTS PROGRAM								
FUNDING SUMMARY BY SOURCE								
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	Total Budget	
WSRLA Loan	\$ 204,768,000	\$ 47,600,000	\$ 48,900,000	\$ 97,500,000	\$ 49,637,500	\$ 31,875,000	\$	480,280,500
Fleet Management (Unvoted)	400,000	800,000	800,000	800,000	800,000	800,000		4,400,000
Voted 2016 Debt - Electricity	6,296,410	11,502,430	6,126,160	-	-	-		23,925,000
Voted 2016 Debt SIT Supported	30,530,000	13,115,000	-	-	-	-		43,645,000
Voted 2016 Debt - Water	-	45,110,000	56,895,000	-	-	-		102,005,000
WPCLF/OWDA	455,826,885	246,584,441	185,904,140	199,109,416	172,699,865	239,610,036		1,499,734,783
Information Services	6,645,000	4,190,000	5,610,000	4,445,000	7,550,000	6,830,000		35,270,000
Voted 2013 Debt - Water	72,815,000	6,910,000	-	-	-	-		79,725,000
Storm Sewer Enterprise (Unvoted)	-	-	-	2,965,500	5,470,000	6,110,000		14,545,500
Councilmanic SIT Supported	12,290,000	12,290,000	12,290,000	17,370,000	18,875,000	19,660,000		92,775,000
Voted 2016 Debt - Sanitary Sewer	70,242,366	74,993,268	39,399,366	-	-	-		184,635,000
Voted 2016 Debt - Storm	7,075,000	11,003,000	7,245,000	10,717,000	-	-		36,040,000
Voted 2019 Debt - Sanitary	-	-	34,981,074	57,858,146	7,160,780	-		100,000,000
Voted 2019 SIT Supported	53,735,000	68,650,000	81,765,000	76,685,000	75,685,000	74,900,000		431,420,000
Water Enterprise (Unvoted)	-	-	-	-	-	39,382,500		39,382,500
Voted 2019 Debt - Water	-	-	6,400,000	50,635,000	57,972,500	9,992,500		125,000,000
Voted 2019 Debt - Electricity	-	-	4,431,286	16,242,789	4,325,925	-		25,000,000
Sanitary Sewer Enterprise (Unvoted)	-	-	-	-	61,313,970	50,652,129		111,966,099
Electricity Enterprise (Unvoted)	-	-	-	-	5,217,340	9,925,003		15,142,343
Total	\$ 920,623,661	\$ 542,748,139	\$ 490,747,026	\$ 534,327,851	\$ 466,707,880	\$ 489,737,168	\$ 3,444,891,725	

PROPOSED 2020 CAPITAL IMPROVEMENT BUDGET

Public Safety

Police

Project Name: Police Facility Renovations
Type: Recurring
Estimated 2020 Cost: \$1,680,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds; Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Continued renovation of existing facilities to maximize their use. When possible, funds are used to reduce the operating costs of the facility.

Police subtotal - \$1,680,000

Fire

Project Name: Fire Facility Renovation
Type: Recurring
Estimated 2020 Cost: \$1,320,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Continued renovation and improvements to existing fire facilities.

Project Name: Fire Apparatus Replacement
Type: Recurring
Estimated 2020 Cost: \$6,000,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Funds used to replace the aging fleet of heavy fire equipment. Apparatus eligible for capital replacement includes platform ladders, medic vehicles, and fire engines.

Fire subtotal - \$7,320,000

Public Safety Total - \$9,000,000

Development

Project Name: Green Columbus Projects
Type: Recurring
Estimated 2020 Cost: \$1,000,000
Funding Source: Councilmanic SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funds used as grant dollars for brownfield clean-up areas. Funds may also be used as the city match element for additional grants.

Project Name: Economic & Community Development
Type: Recurring
Estimated 2020 Cost: \$250,000
Funding Source: Councilmanic SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funds used for land acquisition and infrastructure redevelopment in various areas of the city to promote business growth and spur additional community investment.

Project Name: Housing Preservation
Type: Recurring
Estimated 2020 Cost: \$2,000,000
Funding Source: Councilmanic SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funds used to aid in the prevention, acquisition, rehabilitation, and demolition components of the Housing Preservation programs.

Project Name: Emergency Shelter Repair
Type: Recurring
Estimated 2020 Cost: \$350,000
Funding Source: Councilmanic SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funds granted to aid homeless shelters throughout the city with various capital repairs. Shelters are selected on an annual basis.

Development Total - \$3,600,000

Finance and Management

Construction Management

Project Name:	Facility Renovations – Project Cost Allocations
Type:	Recurring
Estimated 2020 Cost:	\$600,000
Funding Source:	Councilmanic SIT Supported G.O. Bonds
Operating Impact:	None
Project Description:	Funding to aid in the allocation of resources to various projects.
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Project Name:	Facility Renovations – Various
Type:	Recurring
Estimated 2020 Cost:	\$7,590,000
Funding Source:	Councilmanic SIT Supported G.O. Bonds
Operating Impact:	Minimal to moderate reduction in preventative maintenance costs
Project Description:	Funding to provide for capital improvements on city owned buildings. Funds may be used for, but are not limited to, building infrastructure upgrades and interior and exterior facility renovations.
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Project Name:	Construction Management – Design and Project Management Services
Type:	Recurring
Estimated 2020 Cost:	\$500,000
Funding Source:	Councilmanic SIT Supported G.O. Bonds
Operating Impact:	None
Project Description:	Funding for architectural design services for current and future construction projects as well as additional project management needs.

Construction Management subtotal - \$8,690,000

Fleet Management

Project Name:	Fleet Automated Fuel Location Upgrades
Type:	Recurring
Estimated 2020 Cost:	\$100,000
Funding Source:	Fleet Management G.O. Bonds
Operating Impact:	None
Project Description:	Renovation, remediation, removal, and replacement of citywide fueling infrastructure, including fuel tanks, fuel storage, and dispensing units.
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Project Name:	Fleet Equipment Replacement
Type:	Recurring
Estimated 2020 Cost:	\$100,000
Funding Source:	Fleet Management G.O. Bonds
Operating Impact:	Minimal reduction due to savings on preventative maintenance services
Project Description:	Periodic replacement of aging equipment.

Project Name: Fuel Tank Management
Type: Recurring
Estimated 2020 Cost: \$200,000
Funding Source: Fleet Management G.O. Bonds
Operating Impact: None
Project Description: Remediation, removal, and replacement of fuel tanks.

Fleet Management subtotal - \$400,000

Finance and Management Total - \$9,090,000

Technology

Project Name: Data Center Facility Upgrades
Type: Recurring
Estimated 2020 Cost: \$1,490,000
Funding Source: Information Services G.O. Bonds
Operating Impact: None
Project Description: Funds to upgrade the city's data center infrastructures required to move from Tier I to Tier III service level status.

Project Name: Connectivity Project Fiber/Wireless
Type: Recurring
Estimated 2020 Cost: \$1,000,000
Funding Source: Information Services G.O. Bonds
Operating Impact: Minimal
Project Description: Funds to continue installing fiber optic laterals which will connect the city facilities to the fiber network backbone.

Project Name: CTSS Fiber Purchases Phases B, C, D, E
Type: Recurring
Estimated 2020 Cost: \$1,000,000
Funding Source: Information Services G.O. Bonds
Operating Impact: Minimal
Project Description: Columbus traffic signal system fiber optic cable expansion project in conjunction with the Department of Public Service.

Project Name: Enterprise System Upgrades
Type: Recurring
Estimated 2020 Cost: \$400,000
Funding Source: Information Services G.O. Bonds
Operating Impact: Minimal
Project Description: Replacement of the existing server architecture, storage, and backup solutions currently utilized.

Project Name: E-Gov Initiatives
Type: Recurring
Estimated 2020 Cost: \$150,000
Funding Source: Information Services G.O. Bonds
Operating Impact: Minimal
Project Description: System upgrades to the current content management systems and the public facing websites.

Project Name: Media Services Equipment and Infrastructure
Type: Recurring
Estimated 2020 Cost: \$50,000
Funding Source: Information Services G.O. Bonds
Operating Impact: None
Project Description: Purchase of equipment and installation of video production equipment to increase the ability to provide coverage of public events.

Capital Improvements Program

Project Name:	Network Improvements
Type:	Recurring
Estimated 2020 Cost:	\$400,000
Funding Source:	Information Services G.O. Bonds
Operating Impact:	None
Project Description:	Replacement of end of life equipment related to network routers/switches, wireless controllers/access points, and the uninterruptable power supply.
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Project Name:	Data Management Services
Type:	Recurring
Estimated 2020 Cost:	\$520,000
Funding Source:	Information Services G.O. Bonds
Operating Impact:	Increase
Project Description:	Purchase of hardware, software, and professional services related to the design, implementation, and support of the city's data management platform.
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Project Name:	VMWare Workspace One
Type:	Recurring
Estimated 2020 Cost:	\$600,000
Funding Source:	Information Services G.O. Bonds
Operating Impact:	None
Project Description:	Funding to allow for development opportunities in expanding the city's ability to operate in a more effective and mobile capacity.
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Project Name:	Telephony and Interactive Voice Response (IVR) Infrastructure Improvements
Type:	Recurring
Estimated 2020 Cost:	\$545,000
Funding Source:	Information Services G.O. Bonds
Operating Impact:	None
Project Description:	Funding to continue the upgrades of the current IVR system to keep it within industry standards thus providing optimum service and a more streamlined business process.
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Project Name:	Enterprise System Upgrades – Security Program
Type:	Recurring
Estimated 2020 Cost:	\$200,000
Funding Source:	Information Services G.O. Bonds
Operating Impact:	None
Project Description:	Funding to provide ongoing security controls protecting and maintaining the confidentiality, integrity, and availability of sensitive and protected information.
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Project Name:	Enterprise System Upgrades – GIS
Type:	Recurring
Estimated 2020 Cost:	\$90,000
Funding Source:	Information Services G.O. Bonds
Operating Impact:	None
Project Description:	Funding to allow for continuous and multi-year assessments, reviews, and upgrades of the Enterprise GIS system.

Capital Improvements Program

Project Name: Enterprise System Upgrades – Applications
Type: Recurring
Estimated 2020 Cost: \$200,000
Funding Source: Information Services G.O. Bonds
Operating Impact: None
Project Description: Continuation of system upgrades, enhancements, and expansions for various software applications utilized throughout the city.

Technology Total - \$6,645,000

Recreation and Parks

Project Name: Urban Infrastructure Projects
Type: Recurring
Estimated 2020 Cost: \$753,200
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funds used for park improvements and development in urban locations. Specific parks and projects are selected for funding on an annual basis via community requests.

Project Name: Renovations – Miscellaneous Improvements and Cost Allocations
Type: Recurring
Estimated 2020 Cost: \$3,886,800
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Improvements and renovations to existing parks, facilities, and amenities. An annual determination will be made to allocate funding based on need.

Project Name: Facility Assessment Implementation
Type: Non-recurring
Estimated 2020 Cost: \$4,000,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Decrease
Project Description: An assessment to identify issues with existing facilities and funding to make necessary improvements.

Project Name: Hard Surface Improvements
Type: Recurring
Estimated 2020 Cost: \$800,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal increase
Project Description: Annual improvement and replacement of existing hard surface areas. Funding also is used to add new hard surface amenities. These can include, but are not limited to, sidewalks, parking lots, walking trails, tennis courts, and basketball courts.

Project Name: Facility Roof Improvements
Type: Non-recurring
Estimated 2020 Cost: \$800,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Replacement and extensive renovation of roofs located at existing facilities.

Project Name: Maintenance Equipment - Parks
Type: Recurring
Estimated 2020 Cost: \$250,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Purchase of new equipment to provide for the maintenance of existing parkland and facilities.

Capital Improvements Program

Project Name: Street Trees – Green Initiative
Type: Recurring
Estimated 2020 Cost: \$400,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funds to increase the urban tree canopy and help reduce stormwater runoff.

Project Name: Safe Playgrounds
Type: Recurring
Estimated 2020 Cost: \$500,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new playground equipment
Project Description: Funding to provide safe and accessible playgrounds throughout the city. Funds are used in the construction of new playgrounds and the replacement of older equipment.

Project Name: New Development – Miscellaneous Improvements and Cost Allocations
Type: Recurring
Estimated 2020 Cost: \$5,467,200
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Funding to provide for the development of new parks and the expansion of facilities and amenities.

Project Name: Acquisition – Miscellaneous Acquisition and Cost Allocations
Type: Recurring
Estimated 2020 Cost: \$1,594,600
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Increase
Project Description: Purchase of land and property in underserved areas, for conservation, and to expand the existing park system.

Project Name: Small Scale Capital Improvements – Golf, Sports, Permits & Cost Allocations
Type: Recurring
Estimated 2020 Cost: \$1,594,600
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Small improvements to existing golf, sports, and permitted rental facilities to keep them safe, user friendly, and competitive in the marketplace.

Project Name: Large Scale Capital Investments and Cost Allocations
Type: Recurring
Estimated 2020 Cost: \$239,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Increase
Project Description: Large scale improvements to existing golf, sports, and permitted rental facilities. Funding is also used for the construction of new golf, sports, and permitted rental facilities.

Capital Improvements Program

Project Name: North Bank Pavilion Patio Improvements
Type: Non-recurring
Estimated 2020 Cost: \$900,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Increase
Project Description: Addition of a permanent retractable tent that will add value to the event space.

Project Name: Emergency Improvements and Cost Allocations
Type: Recurring
Estimated 2020 Cost: \$911,200
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funding for unforeseen items such as updating designs, replacing a major component, repairing a major structural part of an asset, increasing the capacity or efficiency of an asset, or adapting something to a new use as a result of the improvements.

Project Name: Opportunity Projects and Cost Allocations
Type: Recurring
Estimated 2020 Cost: \$683,400
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Increase
Project Description: Funding for high priority opportunities that are unanticipated and time-sensitive, aligning with strategic goals.

Recreation and Parks Total - \$22,780,000

Public Service

Transportation

Project Name:	Urban Infrastructure Recovery
Type:	Recurring
Estimated 2020 Cost:	\$5,651,813
Funding Source:	Voted 2019 SIT Supported G.O. Bonds
Operating Impact:	Minimal
Project Description:	Funding established for capital improvements targeted in the older commercial and residential areas of the city. Improvements may include street rehabilitation, alley improvements, curb installations, sidewalk installations and replacements, street lighting, and resurfacing.
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Project Name:	Urban Infrastructure Recovery – Milo Grogan Second Avenue Improvements
Type:	Non-recurring
Estimated 2020 Cost:	\$700,000
Funding Source:	Voted 2019 SIT Supported G.O. Bonds
Operating Impact:	Minimal
Project Description:	Design and construction of improvements to Second Avenue in Milo Grogan from St. Clair to Sixth Street.
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Project Name:	Neighborhood Commercial Revitalization (NCR)
Type:	Recurring
Estimated 2020 Cost:	\$2,500,000
Funding Source:	Voted 2019 SIT Supported G.O. Bonds
Operating Impact:	Minimal
Project Description:	Funds used to identify commercial areas that are eligible for capital improvement funding. Improvements may include but are not limited to, replacement of sidewalks, intersection improvements, installation of street trees, and installation of street lighting.
<hr/>	
Project Name:	Intersection Improvements – Hilliard Rome Road at Feder Road
Type:	Non-recurring
Estimated 2020 Cost:	\$216,350
Funding Source:	Voted 2019 SIT Supported G.O. Bonds
Operating Impact:	Minimal
Project Description:	Funds used for the Hilliard Rome Road at Feder Road intersection which will improve pedestrian accommodations as well as add additional turn lanes thus providing additional capacity to the eastbound on-ramp to I-70.
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Project Name:	Intersection Improvements – Georgesville Road at Hall Road
Type:	Non-recurring
Estimated 2020 Cost:	\$402,181
Funding Source:	Voted 2019 SIT Supported G.O. Bonds
Operating Impact:	Minimal
Project Description:	Improvements to the traffic signals at the Georgesville Road and Hall Road intersection along with the addition of right turn lanes in the southbound and eastbound directions.

Capital Improvements Program

Project Name: Arterial Street Rehabilitation – State Route 161 – I-71 to Cleveland Avenue Phase I
Type: Non-recurring
Estimated 2020 Cost: \$1,927,263
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funding to provide the preliminary preparation of engineering documents and design plans for the improvement of the East Dublin-Granville Road/State Route 161 corridor between I-71 and Cleveland Avenue.

Project Name: Roadway Improvements
Type: Recurring
Estimated 2020 Cost: \$300,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Project management costs related to the reconstruction of existing streets and roadway extensions. Costs also include utility relocations, construction inspection costs, and right of way acquisitions necessary for roadway projects.

Project Name: Resurfacing
Type: Recurring
Estimated 2020 Cost: \$20,000,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Decrease
Project Description: Funding for resurfacing of roadways to restore surfaces to like new conditions. Resurfacing priorities are determined based on pavement management reports and public input. Funding is also included for several urban paving sites where resurfacing projects are joint endeavors with the Ohio Department of Transportation. The following sites are related to the urban paving program:

- Indianola Avenue
- West Broad Street
- Town Street/Glenwood Avenue/Rich Street
- Gould Road
- East Dublin-Granville Road

Project Name: Bridge Rehabilitation
Type: Recurring
Estimated 2020 Cost: \$2,671,393
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Decrease
Project Description: Funding for design and construction work associated with the replacement of expansion joints, full and partial bridge deck replacement, sidewalk and curb reconstruction, and other rehabilitation work to city bridges.

Project Name: Housing Initiatives
Type: Recurring
Estimated 2020 Cost: \$800,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Funding established to aid in the development of roadway infrastructure in areas where local developers seek to build housing units.

Capital Improvements Program

Project Name: Intersection Improvements – State Route 161 at Karl Road
Type: Non-recurring
Estimated 2020 Cost: \$800,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Funding for the study, design, and construction work associated with the improved safety of the intersection of State Route 161 and Karl Road. The project will add a mini roundabout and median, along with a reconstructed traffic signal that accommodates the modified area, and improvements to the drainage.

Project Name: Bikeway Development
Type: Recurring
Estimated 2020 Cost: \$2,000,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Funding to expand and renovate the existing bikeway system, including the creation and addition of shared use paths. Bikeway development included for 2020 includes the following:

- Georgesville Road Shared Use Path – Hall Road to Clime Road
- Tussing Road Shared Use Path
- Indianola Avenue – Summit Bikeway gaps

Project Name: Pedestrian Safety Improvements
Type: Recurring
Estimated 2020 Cost: \$4,000,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Installation of new and replacement sidewalks based on public input. Pedestrian safety improvements for 2020 include the following:

- Worthington Woods Boulevard from Sancus to Deer Creek
- Courtright Road from Courtright Lane to Groves Road
- Walford Street and Sharbot Drive Sidewalks
- Maple Canyon Avenue Sidewalks

Project Name: Pedestrian Safety Improvements - CelebrateOne
Type: Recurring
Estimated 2020 Cost: \$2,451,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Installation of new and replacement sidewalks based on public input. Pedestrian safety improvements for 2020 include the following:

- CelebrateOne Sidewalk gaps
- Linden – Hudson Street and McGuffey Sidewalks
- Hilltop – Belvidere Avenue from Mound Street to Sullivant Avenue
- Near South – Deshler Avenue from 18th Street to Lockbourne Avenue
- Hilltop – Springmont Avenue
- Near South – Kossuth Street from Carpenter Street to Linwood Avenue
- Hamilton Avenue – Hamilton Avenue from Minnesota Avenue to Weber Road
- Linden Park – Hamilton Avenue from Briarwood Avenue to Linden Park Drive

Project Name: Pedestrian Safety Improvements – School Sidewalks
Type: Recurring
Estimated 2020 Cost: \$1,985,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Installation of new and replacement sidewalks based on public input. Pedestrian safety improvements for 2020 include the following:

- Olive Street and Floral Avenue from South Powell Avenue to South Highland Avenue
- Sycamore Street from Carpenter Street to Champion Avenue
- Ann Street and 17th Street between Lincoln Park Elementary and South High School
- Noe Bixby Road from Refugee Road to Carbondale Drive
- Refugee Road from Noe Bixby Road to Blue Moon Drive and Glenbriar Street

Transportation subtotal - \$46,405,000

Refuse

Project Name: Mechanized Collection Equipment
Type: Recurring
Estimated 2020 Cost: \$4,930,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal Reduction
Project Description: Annual replacement of aging equipment for the Division of Refuse Collection.

Project Name: Alum Creek Remediation – Facility Improvements
Type: Recurring
Estimated 2020 Cost: \$100,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of existing collection facilities.

Project Name: Mechanized Collection Equipment – Containers
Type: Recurring
Estimated 2020 Cost: \$1,050,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Purchase of collection containers.

Refuse subtotal - \$6,080,000

Public Service Total - \$52,485,000

Public Utilities

Storm Sewer

Project Name: Fountain Square Stormwater System Improvements
Type: Non-recurring
Estimated 2020 Cost: \$4,000,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Mitigation efforts for street flooding along the Morse Road service road in the Fountain Square area.

Project Name: General Construction Contract - Storm
Type: Recurring
Estimated 2020 Cost: \$1,150,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project makes improvements to existing storm infrastructure including sewers, inlets, culverts, and associated appurtenances that may have failed unexpectedly or require immediate attention.

Project Name: Petzinger Road Stormwater Improvements
Type: Non-recurring
Estimated 2020 Cost: \$1,250,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: This project will construct storm system improvements along Petzinger Road from Glenbrook Drive east to Courtright Road.

Project Name: General Engineering Services - Storm
Type: Recurring
Estimated 2020 Cost: \$400,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding established for various project engineering services as needed.

Project Name: Linden Neighborhood Stormwater System Improvements Phase 2
Type: Non-recurring
Estimated 2020 Cost: \$1,150,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Mitigation of street and yard flooding, and the reduction of drainage issues in the Linden Neighborhood.

Project Name: Old Beechwold Area Stormwater System Improvements
Type: Non-recurring
Estimated 2020 Cost: \$2,500,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Stormwater system improvements to mitigate street and yard flooding within the Old Beechwold historic neighborhood.

Capital Improvements Program

Project Name: Joint Projects with the Department of Public Service
Type: Recurring
Estimated 2020 Cost: \$2,000,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding to allow the division to take advantage of collaboration opportunities that may arise during roadway improvement projects with the Department of Public Service.

Project Name: Franklinton Area Stormwater System Improvements
Type: Non-recurring
Estimated 2020 Cost: \$750,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding for the design of new storm sewers and stormwater detention facilities in the Franklinton area.

Project Name: Holton Park and Eureka Avenue Green Infrastructure Improvements
Type: Non-recurring
Estimated 2020 Cost: \$400,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: This project will design and construct green infrastructure on vacant parcels along the N. Eureka Ave corridor as well as at the Holton Park site in an effort to provide water quality treatment for the Terrace/Broad Stormwater System Improvements.

Project Name: Pump Stations, ST-21, ST-22, ST-23 Improvements
Type: Recurring
Estimated 2020 Cost: \$1,650,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding for the design and construction of the storm system and flood protection improvements for the area southwest of the Arena District.

Project Name: Barnett Road Stormwater Improvements
Type: Non-recurring
Estimated 2020 Cost: \$25,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: This project will investigate drainage issues along Barnett Road, between Main Street and Livingston Avenue, as drainage issues have been reported in this area. Following the investigation, this project will allow for design recommendations to alleviate standing water and stormwater drainage issues.

Project Name: Bethel Road Culvert Rehabilitation
Type: Non-recurring
Estimated 2020 Cost: \$400,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: None
Project Description: This project will allow the city to repair the existing 84" and 24" culverts.

Capital Improvements Program

Project Name: Cooke Road Culvert Improvements
Type: Non-recurring
Estimated 2020 Cost: \$250,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will allow the city to repair the existing 24" storm culvert.

Project Name: Floodwall Gate Sills
Type: Non-recurring
Estimated 2020 Cost: \$550,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: This project will address areas of concrete deterioration along the Franklinton floodwall.

Stormwater subtotal - \$16,475,000

Sanitary Sewers

Project Name: Real Time Control – Alum Creek Storm Tanks
Type: Non-recurring
Estimated 2020 Cost: \$1,500,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Project to address the combined sewer overflow volume and frequency at the Alum Creek storm tank.

Project Name: Real Time Control – Sewer System Optimization, Part 2
Type: Non-recurring
Estimated 2020 Cost: \$500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Development of additional functionality for the real time control decision supports.

Project Name: Hoover Farms Subtrunk
Type: Non-recurring
Estimated 2020 Cost: \$4,125,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Construction of a sanitary sewer subtrunk to serve the Hoover Farms development and the surrounding tributary area.

Project Name: SSES Overall Engineering Consultant Services
Type: Recurring
Estimated 2020 Cost: \$300,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will allow the design of large capital improvements for the sewer collection system and all related infrastructures.

Project Name: Big Walnut Sanitary Trunk Extension, Phase 2
Type: Non-recurring
Estimated 2020 Cost: \$5,500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Extension of the Big Walnut sanitary trunk sewer north of Dempsey Road and east of Hoover Reservoir.

Project Name: Central College Subtrunk Extension Phase 3
Type: Non-recurring
Estimated 2020 Cost: \$32,000,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Extension of the existing 30" sanitary subtrunk sewer approximately 5,800 linear feet along Central College Road towards New Albany.

Capital Improvements Program

Project Name: Blacklick Creek Interceptor Air Quality Facility Improvements
Type: Non-recurring
Estimated 2020 Cost: \$3,500,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Installation of new active air treatment facilities at the Blacklick Creek sanitary interceptor sewer.

Project Name: General Engineering Services – Sanitary 2020
Type: Recurring
Estimated 2020 Cost: \$400,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for additional engineering services on an as needed basis.

Project Name: Shadeville Sanitary Interceptor
Type: Non-recurring
Estimated 2020 Cost: \$4,000,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: This project will provide sanitary sewer service for the tributary area adjacent to the sewer west of USR-23 north to the vicinity of Rathmell Road, with the potential to be extended north of I-270 to eliminate the Williams Road and Castle Road pump stations.

Project Name: Roof Replacements for Department of Public Utilities Facilities
Type: Recurring
Estimated 2020 Cost: \$3,165,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Replacement of roofs at existing facilities to prevent infrastructure damage due to water leaks.

Project Name: Department of Public Utilities General Engineering Consultant Services (GEC) #3 and #4
Type: Recurring
Estimated 2020 Cost: \$1,000,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Engineering and technical services to provide inspections and evaluations of existing conditions, architectural drawings, and specifications and bid documents for various sanitary projects throughout the city.

Project Name: Jackson Pike Wastewater Treatment Plant (JPWWTP) Small Capital Projects
Type: Recurring
Estimated 2020 Cost: \$35,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for JPWWTP Plant projects submitted through the General Engineering Consultant Service contracts.

Capital Improvements Program

Project Name: JPWWTP Raw Sewage Pump Valve Actuator Replacement
Type: Non-recurring
Estimated 2020 Cost: \$900,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Replacement of the five raw sewage cone valve actuators and the installation of new electrical lines.

Project Name: Southerly Waste Water Treatment Plant (SWWTP) Small Capital Projects
Type: Recurring
Estimated 2020 Cost: \$935,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for SWWTP projects submitted through the General Engineering Consultant Service contracts.

Project Name: SWWTP Building Heating Improvements – Boiler Revisions
Type: Non-recurring
Estimated 2020 Cost: \$4,175,765
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Construction of the replacement systems for the three oil fired systems located at the SWWTP.

Project Name: SWWTP Boiler System Operational Improvements
Type: Non-recurring
Estimated 2020 Cost: \$1,180,115
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Rehabilitation of the existing service building steam plant at the SWWTP.

Project Name: Fairwood Avenue Building Facilities Small Capital Projects
Type: Recurring
Estimated 2020 Cost: \$297,500
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for projects submitted through the General Engineering Consultant Service contracts located at the Department of Public Utilities Fairwood Avenue building.

Project Name: Department of Sewerage and Drainage (DOSD) HVAC and Air Purification
Type: Non-recurring
Estimated 2020 Cost: \$1,435,500
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement of equipment that is currently at the end of its useful life.

Capital Improvements Program

Project Name: JPWWTP Stormwater and Floodplain Improvements
Type: Non-recurring
Estimated 2020 Cost: \$352,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Creation of a phased development master plan to mitigate flooding.

Project Name: WWTF Instrumentation and Control Integration and Programming Part 2
Type: Recurring
Estimated 2020 Cost: \$500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Wastewater Treatment Facilities Instrumentation and Control (I&C) System Upgrade.

Project Name: SWWTP Digestion Process Expansion
Type: Non-recurring
Estimated 2020 Cost: \$23,369,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Expansion of plant infrastructure to provide for additional facilities needed for the anaerobic digestion of biosolids.

Project Name: SWWTP Post Aeration Diffuser Replacement
Type: Non-recurring
Estimated 2020 Cost: \$870,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Replacement of the aeration diffuser that has reached the end of its useful life.

Project Name: Waste Water Treatment Facilities Upgrade – General Program #4
Type: Recurring
Estimated 2020 Cost: \$1,609,900
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Continuation of the general overall engineering consultant contract which provides assistance in the execution of large capital improvement projects for the division.

Project Name: SWWTP HVAC and Air Purification Improvements
Type: Non-recurring
Estimated 2020 Cost: \$231,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement of the air purification systems in the East Aeration Control building that have reached the end of their useful life.

Capital Improvements Program

Project Name: Compost Facility Odor Control Improvements
Type: Non-recurring
Estimated 2020 Cost: \$43,030,618
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Continued improvements to further reduce the odors generated by the composting process.

Project Name: Southerly Stormwater and Floodplain Improvements
Type: Non-recurring
Estimated 2020 Cost: \$502,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Creation of a phased development master plan to mitigate flooding.

Project Name: 2020 Annual Lining Contract
Type: Recurring
Estimated 2020 Cost: \$5,850,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Rehabilitation of existing sanitary sewers using cured-in-place pipe.

Project Name: Big Walnut Interceptor Lockbourne Subtrunk Canal Road Area
Type: Non-recurring
Estimated 2020 Cost: \$100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Extension of the 18" sanitary sewer line in the Rickenbacker area.

Project Name: Intermodal Sanitary Subtrunk Extension
Type: Non-recurring
Estimated 2020 Cost: \$26,750,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Extension of the sanitary sewer service along the Northern Pickaway Joint Economic Development District.

Project Name: Rickenbacker Intermodal Sanitary Extension
Type: Non-recurring
Estimated 2020 Cost: \$4,125,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Extension of the gravity sanitary sewer main from the existing Military Pump Station along Rickenbacker Parkway.

Capital Improvements Program

Project Name: DPU Archive and Records Storage and Locker Room Renovations
Type: Non-recurring
Estimated 2020 Cost: \$5,369,500
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Creation of a centralized large storage and records area in the former police property room at the Fairwood Avenue facility.

Project Name: East Franklinton Phase 3
Type: Non-recurring
Estimated 2020 Cost: \$3,300,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Improvements to the utility infrastructure in the East Franklinton neighborhood to address items in the Combined Sewer Overflow consent order obligations.

Project Name: Ohio State University (OSU) Area Utility Easement Project
Type: Non-recurring
Estimated 2020 Cost: \$275,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding to obtain new easements in the OSU area.

Project Name: Big Run/Hellbranch Subtrunk
Type: Non-recurring
Estimated 2020 Cost: \$1,749,071
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Extension of the Big Run trunk sewer from the intersection of Galloway Road and Sullivant Avenue to West Broad Street.

Project Name: Portage Grove Area Assessment
Type: Non-recurring
Estimated 2020 Cost: \$2,800,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Extension of the existing infrastructure to the developed areas that are currently served by on-lot systems.

Project Name: Big Walnut Outfall (South) Rehabilitation
Type: Non-recurring
Estimated 2020 Cost: \$2,400,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Rehabilitation of the 108" Big Walnut Outfall sewer to address structural problems.

Capital Improvements Program

Project Name: Lower Olentangy Tunnel – Phase 1
Type: Non-recurring
Estimated 2020 Cost: \$223,000,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Design and construction of a relief sewer in the Olentangy corridor.

Project Name: Large Diameter Sewer Rehabilitation – Alum Creek Trunk South Section/Deshler Tunnel
Type: Non-recurring
Estimated 2020 Cost: \$900,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Inspection and condition assessment of the sanitary trunk line sewer.

Project Name: Center Large Diameter Rehabilitation
Type: Non-recurring
Estimated 2020 Cost: \$8,000,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Systematic rehabilitation restoring the hydraulic capacity of existing infrastructure to extend its useful life.

Project Name: West Side Trunk Rehabilitation
Type: Non-recurring
Estimated 2020 Cost: \$5,850,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Required rehabilitation to restore the hydraulic capacity of existing infrastructure to extend its useful life.

Project Name: Large Diameter – Blacklick Creek Main Trunk
Type: Non-recurring
Estimated 2020 Cost: \$550,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Rehabilitation of the sanitary sewer infrastructure to extend its useful life.

Project Name: Large Diameter – Scioto Main Trunk
Type: Non-recurring
Estimated 2020 Cost: \$100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Required rehabilitation to restore the hydraulic capacity of existing infrastructure to extend its useful life.

Capital Improvements Program

Project Name: Alum Creek Trunk (Middle) Rehabilitation – Phase C
Type: Non-recurring
Estimated 2020 Cost: \$7,000,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Rehabilitation of the current infrastructure to extend the useful life.

Project Name: Near North & East Area Large Diameter Assessments
Type: Non-recurring
Estimated 2020 Cost: \$2,875,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Rehabilitation of the current infrastructure to extend the useful life.

Project Name: Blacklick Creek Sanitary Subtrunk Extension
Type: Non-recurring
Estimated 2020 Cost: \$512,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Rehabilitation of the 42" sanitary trunk sewer pipe.

Project Name: Brimfield Area Sanitary System Repair Project
Type: Non-recurring
Estimated 2020 Cost: \$1,300,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Design and construction of improvements to the sanitary system bounded in the area of Brimfield Road, Beechcroft Road, Tamarack Boulevard, and Forest Village Lane.

Project Name: 2020 General Construction Contract
Type: Recurring
Estimated 2020 Cost: \$2,300,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Construction and replacement of the older existing sewer infrastructure on an as needed basis.

Project Name: Third Avenue Relief Sewer, Phase 3
Type: Non-recurring
Estimated 2020 Cost: \$3,600,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Construction of the sanitary relief sewer from Edgehill Road to Northwest Boulevard.

Capital Improvements Program

Project Name: Inflow Redirection – Noble and 4th Street
Type: Non-recurring
Estimated 2020 Cost: \$30,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Redirection of the public inflow of six acres of area tributary in the Noble and 4th Street area to address combined sewer overflows.

Project Name: Inflow Redirection – Markison Avenue
Type: Non-recurring
Estimated 2020 Cost: \$1,775,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Redirection of the public inflow of 147 acres of area tributary in the Markison Avenue combined sewer overflow area.

Project Name: Hydraulic Modification to Combined Sewer Overflow Regulator (CSO) – Markison Avenue
Type: Non-recurring
Estimated 2020 Cost: \$24,300
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Renovations to the hydraulics of the Markison Avenue CSO regulator to decrease combined sewer overflows during periods of heavy rainfall.

Project Name: Blueprint Linden
Type: Non-recurring
Estimated 2020 Cost: \$17,019,201
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Implementation of the consent order requirements to remove or reroute inflow infiltration from the sanitary sewers in the Linden area at the following locations:

- Hudson Street/McGuffey Road
- Oakland Park Avenue/Medina Avenue
- Agler Road/Berrell Avenue
- Artane Place/Parkwood Avenue
- Linview Park

Project Name: Blueprint Hilltop
Type: Non-recurring
Estimated 2020 Cost: \$13,333,879
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Implementation of the consent order requirements to remove or reroute inflow infiltration from the sanitary sewers in the Hilltop area at the following locations:

- Palmetto Street/Westgate Avenue
- Eureka Avenue/Fremont Street

Capital Improvements Program

Project Name: Blueprint Integrated Solutions
Type: Non-recurring
Estimated 2020 Cost: \$1,020,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Implementation of the consent order requirements to remove or reroute inflow infiltration from the sanitary sewers at the following locations:

- Dorris/Weber Area
- Old Beechwold Area

Project Name: Blueprint Hilltop 1 – Permeable Pavers
Type: Non-recurring
Estimated 2020 Cost: \$11,927,500
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Installation of permeable pavers along multiple streets to meet consent order requirements in the following areas:

- Palmetto/Westgate
- Eureka/Fremont

Project Name: Blueprint Miller Kelton – Permeable Pavers
Type: Non-recurring
Estimated 2020 Cost: \$9,900,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Installation of permeable pavers along multiple streets to meet consent order requirements in the following area:

- Newton/Bedford

Project Name: Lateral Lining – Clintonville 1
Type: Recurring
Estimated 2020 Cost: \$2,000,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal decrease
Project Description: Lining sanitary laterals to prevent excess stormwater from entering the sanitary sewer system in the following areas:

- Schreyer/Springs Area

Project Name: Volunteer Sump Pump Program
Type: Recurring
Estimated 2020 Cost: \$10,982,125
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Installation of sump pumps in residential basements to reduce excess stormwater entering the city's sanitary system in the following areas:

- North Linden 1, Phase 3
- Clintonville 3, Project 1
- Clintonville 3, Project 2
- Miller Kelton Blueprint Area

Capital Improvements Program

Project Name: Scioto Main Sanitary Trunk Sewer Rehabilitation
Type: Recurring
Estimated 2020 Cost: \$100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Design for the rehabilitation of the 120" diameter sewer from the Scioto Main and West Side Sanitary Junction Chamber to the JPWWTP.

Project Name: HSTS Elimination Projects
Type: Recurring
Estimated 2020 Cost: \$4,438,277
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Design and construction of a new sanitary sewer extension to serve the developed area that is currently served by home treatment systems in the following areas:

- Williams/Behm Area
- Dyer/Lazar Area
- Community Park/Maple Canyon Area

Sanitary subtotal - \$516,669,251

Capital Improvements Program

Electricity

Project Name: Urban Infrastructure Recovery Fund Street Lighting Projects
Type: Recurring
Estimated 2020 Cost: \$505,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Design and construction of street lighting in urban areas of the city.

Project Name: East Fifth Avenue Decorative Street Lighting
Type: Non-recurring
Estimated 2020 Cost: \$353,237
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Street lighting on East Fifth Avenue from North High Street to North 4th Street.

Project Name: 17th Avenue Circuit Upgrade
Type: Non-recurring
Estimated 2020 Cost: \$150,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Upgrading of the existing conductors to improve service and system capacity in the 17th Avenue area.

Project Name: Oil Switch Replacement Program 2020
Type: Recurring
Estimated 2020 Cost: \$120,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement of aging infrastructure that is no longer being manufactured.

Project Name: Freeway & Knightshill Street Lighting
Type: Non-recurring
Estimated 2020 Cost: \$960,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Provide overhead street lighting in the areas bounded by Morse Road, Sinclair Road, Tamarack Boulevard, and Sugar Maple Drive.

Project Name: Morningstar & Northforty Street Lighting
Type: Non-recurring
Estimated 2020 Cost: \$808,173
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Provide overhead street lighting in the areas bounded by Sullivant Avenue, Galloway Road, Wild Stallion Drive, Corral Gate Court, and Countrie Glen Drive.

Capital Improvements Program

Project Name: General Engineering Contracts 2019-2022
Type: Recurring
Estimated 2020 Cost: \$150,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Engineering and professional design contracts on an as needed basis.

Project Name: SMART Street lighting
Type: Recurring
Estimated 2020 Cost: \$2,250,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Continued conversion of the existing street light infrastructure to LED lighting.

Project Name: Voltage Conversions and Reconductoring
Type: Recurring
Estimated 2020 Cost: \$500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Conversion of the current infrastructure to allow for increased voltage to provide additional reliability and stability of the electrical system for regional growth.

Project Name: System Protection Improvements
Type: Recurring
Estimated 2020 Cost: \$250,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Installation of new or replacement of outdated protective devices on the electrical distribution system.

Project Name: Cutout and Lightning Arrester Replacements
Type: Recurring
Estimated 2020 Cost: \$250,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Replacement of fused cutouts and gapped lightning arresters.

Electricity subtotal - \$6,296,410

Capital Improvements Program

Water

Project Name: Miscellaneous Erosion Control
Type: Recurring
Estimated 2020 Cost: \$2,500,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding to provide continued erosion management and mitigation.

Project Name: Miscellaneous Water Facilities
Type: Recurring
Estimated 2020 Cost: \$100,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding to provide for unanticipated projects that may arise.

Project Name: Indianola Facility Improvements
Type: Recurring
Estimated 2020 Cost: \$2,150,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Improvements are needed to address the building condition, to modify the facility to accommodate the planned use of CNG vehicles, and to extend the life of the facility.

Project Name: 910 Dublin Road Standby Power Improvements
Type: Non-recurring
Estimated 2020 Cost: \$150,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Improvements are needed to modify the electrical wiring, panels, as well as installation of a generator hookup to the building in order for continued support of critical functions during power outages.

Project Name: Rinehart Public Utilities Complex Water Service Improvements
Type: Non-recurring
Estimated 2020 Cost: \$100,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding to provide master water meters and backflow prevention for buildings located at the Reinhart Public Utilities Complex.

Project Name: Water Main Rehabilitation
Type: Recurring
Estimated 2020 Cost: \$100,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding for general rehabilitation of water distribution lines to eliminate poor fire flow capabilities and poor water quality.

Project Name: Area Waterline Improvements
Type: Non-recurring
Estimated 2020 Cost: \$31,788,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal increase
Project Description: Rehabilitation of existing waterlines and construction of new waterlines to eliminate poor fire flow capabilities and improve water quality in the following areas:

- Ziegler Avenue Area
- South Weyant Avenue Area
- Chestershire Road Area
- Greenway Avenue Area
- Woodland Avenue Area
- East Franklinton Area
- Central College Road Area
- Newton/Bedford Area
- Old Beechwold Area
- Scioto Peninsula Area
- Eureka/Fremont Area
- Kent/Fairwood Area
- Palmetto/Westgate Area

Project Name: Watermain Replacement Projects
Type: Recurring
Estimated 2020 Cost: \$1,800,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Design funding to provide for the general rehabilitation of the water distribution system in areas yet to be determined.

Project Name: O'Shaughnessy Hydroelectric – Federal Energy Regulatory Committee (FERC)
Type: Non-recurring
Estimated 2020 Cost: \$250,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Engineering services related to projects mandated by the Federal Energy Regulatory Committee.

Project Name: Dublin Road Water Plant (DRWP) Miscellaneous Improvements
Type: Recurring
Estimated 2020 Cost: \$150,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Continuing small improvements of the existing water plant.

Project Name: DRWP Miscellaneous Improvements – Basin Clarifier Rehabilitation
Type: Non-recurring
Estimated 2020 Cost: \$13,400,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal decrease
Project Description: Replacement of aging clarifier and flocculation equipment and repair or replacement of miscellaneous appurtenances related to the clarifier and flocculation basins.

Capital Improvements Program

Project Name: Hap Cremean Water Plan (HCWP) Miscellaneous Improvements
Type: Recurring
Estimated 2020 Cost: \$350,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Continuing small improvements of the existing water plant.

Project Name: HCWP Actuator and HSP Monitoring Improvements
Type: Non-recurring
Estimated 2020 Cost: \$750,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement of nine aging yard valve actuators along with the installation of new electrical controls, motor starters, and power supplies to reduce maintenance costs.

Project Name: Parsons Avenue Water Plant (PAWP) Facility Miscellaneous Improvements
Type: Recurring
Estimated 2020 Cost: \$110,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Continuing small improvements of the existing water plant.

Project Name: PAWP – Lime Slaker and Soda Ash Feeder Replacement
Type: Non-recurring
Estimated 2020 Cost: \$6,700,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal decrease
Project Description: Design and construction funding to provide replacement lime slaker and soda ash feeder equipment.

Project Name: Automatic Meter Reading
Type: Non-recurring
Estimated 2020 Cost: \$90,750,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Significant reduction in operating costs
Project Description: Establishment of an automatic meter reading system to lower current meter reading costs, allow for more frequent readings, and enhance customer service capabilities.

Project Name: Watershed Roadway Improvements
Type: Recurring
Estimated 2020 Cost: \$175,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding to provide watershed roadway improvements around Griggs, O'Shaughnessy, and Hoover Reservoirs.

Capital Improvements Program

Project Name: HCWP Basin Concrete Rehabilitation
Type: Non-recurring
Estimated 2020 Cost: \$1,500,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Rehabilitation of the deteriorated concrete and handrail replacement in the basin area of the water plant.

Project Name: HCWP Pump Improvements
Type: Recurring
Estimated 2020 Cost: \$200,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Funding to provide for replacement of various pumps located at the water plant.

Project Name: Watershed Miscellaneous Improvements Facilities
Type: Recurring
Estimated 2020 Cost: \$110,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Ongoing funding for small capital improvements at the existing dams and reservoirs.

Project Name: Hoover Dam Improvements – Part 1
Type: Non-Recurring
Estimated 2020 Cost: \$13,000,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding to provide for the study of the environmental controls, equipment, and future demands of the Hoover Dam as it relates to the Hap Cremean Water Plant.

Project Name: General Engineering Services – Supply Group 2018A; 2018B
Type: Recurring
Estimated 2020 Cost: \$800,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for general engineering on various capital projects when needed.

Project Name: O'Shaughnessy Gatehouse Miscellaneous Improvements
Type: Non-recurring
Estimated 2020 Cost: \$1,000,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Improvements to the exterior of the O' Shaughnessy Gatehouse that includes masonry rehabilitation and lighting upgrades.

Capital Improvements Program

Project Name: Booster Station Improvements
Type: Recurring
Estimated 2020 Cost: \$900,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding for booster station and tank improvements for timely replacement of mechanisms to ensure water tanks continue to operate safely.

Project Name: Security Enhancements – 910 Dublin Road
Type: Non-recurring
Estimated 2020 Cost: \$2,600,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Improvements to access control, cameras, and life safety elements of the 910 Dublin Road facility. Improvements will require ongoing service contracts to maintain camera access systems.

Project Name: HCWP Hypochlorite Disinfection Improvements
Type: Non-recurring
Estimated 2020 Cost: \$17,600,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal increase
Project Description: Engineering design and construction as it relates to the disinfection storage and feed facilities at the Hap Cremean Water Plant.

Project Name: PAWP Hypochlorite Disinfection Improvements
Type: Non-recurring
Estimated 2020 Cost: \$11,500,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal increase
Project Description: Engineering design and construction as it relates to the disinfection storage and feed facilities at the Parsons Avenue Water Plant.

Project Name: Fourth Water Plant Quarry Land Acquisition
Type: Non-recurring
Estimated 2020 Cost: \$6,000,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Purchase of land for sludge disposal and for the proposed future fourth water plant to meet future water demands.

Project Name: Dublin Road 30" Waterline
Type: Non-recurring
Estimated 2020 Cost: \$10,900,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal increase
Project Description: To provide an improvement to water transmission and Blazer tank turnover.

Capital Improvements Program

Project Name: HCWP Sludge Disposal Line Improvements
Type: Non-recurring
Estimated 2020 Cost: \$7,500,000
Funding Source: Water Supply Revolving Loan Account Fund
Operating Impact: Minimal increase
Project Description: To provide improvements to the sludge disposal line to allow for continued water treatment.

Project Name: HCWP Intake Structure and Low Head Dam Rehabilitation
Type: Non-recurring
Estimated 2020 Cost: \$8,800,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal increase
Project Description: To provide engineering and construction improvements to the intake structure and low-head dam assuring the integrity of these structures.

Project Name: PAWP HVAC Improvements
Type: Non-recurring
Estimated 2020 Cost: \$5,175,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replace aging HVAC equipment and address heating and cooling performance issues to improve system reliability and environmental conditions.

Project Name: Water Quality Assurance Lab (WQAL) Renovations
Type: Non-recurring
Estimated 2020 Cost: \$9,200,000
Funding Source: Water Supply Revolving Loan Account Fund
Operating Impact: None
Project Description: Renovate the WQAL to meet current building codes, meet the functional needs of staff and laboratory equipment, and address ergonomic issues with the outdated, existing space.

Project Name: Watershed Facilities Improvements
Type: Recurring
Estimated 2020 Cost: \$2,250,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding to assess, identify needs, and develop improvement options for multiple watershed facilities.

Project Name: PAWP Well Pump Replacement
Type: Non-recurring
Estimated 2020 Cost: \$7,625,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal decrease
Project Description: This project will rehabilitate the original well pumps and motors at collector wells.

Capital Improvements Program

Project Name: Residuals Management Plan Update
Type: Recurring
Estimated 2020 Cost: \$100,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: To provide the funding for an update of the residuals management plan for long-range residuals disposal alternatives.

Project Name: General Architectural Services – Division of Water 2021
Type: Recurring
Estimated 2020 Cost: \$300,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Architectural and design services on an as needed basis for various capital improvement projects.

Project Name: General Construction Administration and Construction Inspection
Type: Recurring
Estimated 2020 Cost: \$800,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Construction management costs associated with the Division of Water capital improvement projects.

Project Name: Professional Construction Management (PCM) Part II
Type: Recurring
Estimated 2020 Cost: \$2,000,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Professional management services to monitor the numerous current and future projects during construction.

Project Name: Laboratory Upgrades
Type: Recurring
Estimated 2020 Cost: \$700,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Design and engineering services to renovate the 910 Dublin Road Water Quality Assurance Lab, the DRWP Lab, and the PAWP Lab.

Project Name: Land Stewardship Update
Type: Non-recurring
Estimated 2020 Cost: \$250,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Update to the land stewardship program to design new standards to address water reservoir erosion.

Capital Improvements Program

Project Name:	DRWP Caustic Feed Improvements
Type:	Recurring
Estimated 2020 Cost:	\$200,000
Funding Source:	Voted 2013 Public Utilities G.O. Bonds
Operating Impact:	None
Project Description:	Engineering to modify the existing caustic storage and feed facilities within the DRWP.
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Project Name:	PAWP Treatment Residuals Disposal Improvements
Type:	Non-recurring
Estimated 2020 Cost:	\$2,250,000
Funding Source:	Voted 2013 Public Utilities G.O. Bonds
Operating Impact:	None
Project Description:	Engineering and construction services needed to address residual disposal improvements.
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Project Name:	Professional Construction Management
Type:	Recurring
Estimated 2020 Cost:	\$7,200,000
Funding Source:	Voted 2013 Public Utilities G.O. Bonds
Operating Impact:	None
Project Description:	Professional construction management services for various Division of Water construction contracts.
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Project Name:	Olentangy River Road – 24" Water Main Phases 2 & 3
Type:	Non-recurring
Estimated 2020 Cost:	\$3,700,000
Funding Source:	Voted 2013 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact:	Minimal decrease
Project Description:	Replacement of the existing 20" water main in Olentangy River Road with a new 24" water main, abandoning the existing 20" main, fire hydrant installations, and water service lines.
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Project Name:	McKinley Avenue Quarry Dewatering Facility
Type:	Non-recurring
Estimated 2020 Cost:	\$1,100,000
Funding Source:	Voted 2013 Public Utilities G.O. Bonds
Operating Impact:	Minimal increase
Project Description:	Design and construction of a new residual facility at the McKinley Avenue Quarry.
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Project Name:	DRWP Residuals Handling Improvements
Type:	Non-recurring
Estimated 2020 Cost:	\$1,000,000
Funding Source:	Voted 2013 Public Utilities G.O. Bonds
Operating Impact:	Minimal increase
Project Description:	Design and construction improvements at the DRWP for residuals handling improvements.

Water subtotal - \$277,583,000

Public Utilities Total - \$817,023,661

2020 Capital Improvement Budget Total - \$920,623,661

Significant Non-Recurring Projects

Police Substation 1

Department: Public Safety
Construction Management
Planning Area: Northland
Start Date: September 2018
Est. Completion Date: November 2019
Est. Cost: \$7,400,000
Est. Operating Impact: To be determined

Police Substation 1 is an important step in the modernization of facilities for the Division of Police and its strategic rollout of facilities in north Columbus.

Located at 8118 Sancus Boulevard, this substation will serve a densely populated and growing region of Columbus. It will accommodate all new and existing law enforcement systems and programs, meet all contemporary code requirements, and exceed energy and sustainability expectations.



Architectural rendering of the police Substation.

Fire Station #35

Department: Public Safety
Construction Management
Planning Area: Far East
Start Date: September 2018
Est. Completion Date: November 2019
Est. Cost: \$10,600,000
Est. Operating Impact: \$3,500,000 increase

Fire Station #35 will be located on the far-east side of the city at 711 Waggoner Road. This fire station will include four apparatus bays to house medic and fire engine vehicles and is designed with the specific intent to keep the living quarters free of the harmful contaminants that could be introduced to the building following a call for service involving fire or other hazardous material. Also of note, this is the first fire station that will be built under a Community Benefits Agreement, a collaborative effort among labor, the NAACP, and the city.



Architectural rendering of Fire Station #35.

Poindexter Village

Department: Development
Public Service
Public Utilities
Planning Area: Near East
Start Date: 2014
Est. Completion Date: 2019
Est. Cost: \$24,000,000
Est. Operating Impact: Minimal

Named after Reverend James P. Poindexter, pastor of the Second Baptist Church and the first African-American elected to Columbus City Council in 1880, Poindexter Village was one of the nation's first public housing projects. Poindexter Village is located on the city's near east side and is bounded by Mt. Vernon Avenue to the north, Ohio Avenue to the west, Long Street to the south, and Hughes Street to the east.

In 2014, the City of Columbus received a \$30 million Choice Neighborhood Implementation grant to develop additional housing in the area. The grant, along with the city matching funds, includes the addition of 104 senior living units and 345 mixed-income housing units.

In addition to housing, the project provides for the construction of new water mains to ensure water quality and safety, storm sewers, new sidewalks, improved roadways, street trees, and new street lighting.



Photograph of the newly added housing units in the Poindexter Village area.

Poindexter Museum

Department: Development
Planning Area: Near East
Start Date: 2017
Est. Completion Date: 2020
Est. Cost: \$1,100,000
Est. Operating Impact: Minimal

In 1940 the Columbus Metropolitan Housing Authority (CMHA) developed 426 dwelling units in 33 buildings to provide affordable housing for primarily African American residents on the eastside of Columbus. The development was named after pastor and activist Reverend James P. Poindexter. The Village was home to many nationally and locally successful individuals including Aminah Robinson, Nancy Wilson, and Jimmy Rogers.

In 2008, CMHA undertook a process to redevelop the Poindexter Village site. Although the majority of the original buildings were demolished, CMHA preserved two of the original buildings. In December of 2016, CMHA approved the sale of the buildings to the Ohio History Connection for long term preservation. The Ohio History Connection will collaborate with the James Preston Poindexter Foundation to renovate the facility to create exhibits and programming that promote the history and story of the residents.



Project is currently under construction/redevelopment.

Indian Mound Recreation Center

Department: Recreation and Parks
Planning Area: Far South
Start Date: Spring 2018
Est. Completion Date: Winter 2019
Est. Cost: \$7,500,000
Est. Operating Impact: \$96,000 annual increase

This project will remodel the existing 10,000 sq. ft. facility and add an additional 18,000 sq. ft. which will include an updated gymnasium, fitness room, kitchen, classrooms, art and ceramics room, game room, restrooms, multi-purpose room, lobby, and office area. This project is currently in design, and construction is estimated to finish during late 2019.



Photograph of the construction at Indian Mound Recreation Center.

Linden Community Center and Park Renovation

Department: Recreation and Parks
Planning Area: North Linden
Design Start Date: January 2018
Completion Date: Fall 2020
Est. Construction Cost: \$28,000,000 (pending the final project scope)
Est. Operating Impact: \$317,500 annual increase

This project includes the replacement of the existing 24,000 sq. ft. facility with a brand new 50,000 sq. ft. community center. The new center improvements include a full size gymnasium, elevated track, fitness center, game room, teaching kitchen, music studio, partnership spaces, and other program spaces.

Along with the new center, the surrounding 19.5 acre park will be completely renovated to include a new fishing pond, performance space, loop walks, play areas, sprayground, sports courts, parking, lighting, and landscape as determined through public meetings.



Conceptual site plan for Linden Park.

Olentangy Trail: Bethel Road Connector and Antrim Park to Bethel Road Improvements

Department: Recreation and Parks
Planning Area: Northwest and Clintonville
Start Date: Winter 2016
Est. Completion Date: December 2019
Est. Cost: \$3,600,000
Est. Operating Impact: Minimal

The trail improvement project will increase safety and access to the Olentangy Trail, from Antrim Park to Bethel Road. The work will include widening the trail from 9' to 12', constructing a ramp with a tunnel from the trail to the Bethel Road corridor, and constructing a path along Bethel Road to Anheuser Busch Park on Olentangy River Road.

The Olentangy Trail is the busiest trail in Ohio, and several segments of the trail receive over 1,000 users per day. When complete, over 20,000 residents living along the Bethel Road corridor will gain access to the trail, and the narrowest, most congested section of the 14 mile trail will become much safer for trail users.



Conceptual map of the Bethel Road Connector

Olentangy Trail: Confluence Village Connector Bridge and Park Development

Department: Recreation and Parks
Planning Area: Downtown
Design Start Date: Winter 2017
Est. Completion Date: Spring 2021
Est. Cost: \$2,400,000
Est. Operating Impact: Minimal

The project includes the design and construction of a new pedestrian and bicycle bridge spanning the Olentangy River near the heart of the city. The bridge will create a new connection from the confluence of the Scioto and Olentangy trails directly to the Arena District.

The project provides a significant alternative transportation option to jobs, special events, housing, retail, and entertainment. Non-motorized access to busy urban areas is a high target civic improvement of the city.



Conceptual rendering of Confluence Village Bridge Connector

Davis Center

Department: Recreation and Parks
Planning Area: Near East
Start Date: January 2019
Est. Completion Date: December 2019
Est. Cost: \$2,500,000
Est. Operating Impact: \$35,000 Annual Increase

The Davis Center was originally constructed as a shelter house in 1914. In 1992, the building was converted to a performance space as part of the Ameriflora exhibition, and then later closed in 2008. This project will renovate the building to allow year round use as a reservable shelter house. The upper floor of the building will be used for events and weddings while the lower floor will be used for the building mechanicals and storage. The deteriorated porches will be demolished and new porch slabs on grade will be provided. The building steps and entry will be redesigned to allow visitors an upgraded approach to the building. The project will replace windows and add electrical, plumbing, and technology improvements.



Existing exterior of the Davis Center.

Lazelle Road Phases A, B, and C

Department: Public Service
Planning Area: Far North
Start Date: 2007
Completion Date: Summer 2020
Est. Cost: \$29,800,000
Est. Operating Impact: Minimal

The Lazelle Road rehabilitation project is a multi-phase project that began design in 2007. Phase A consists of reconstructing, resurfacing, and widening of Lazelle Road from High Street to Olenbrook Drive, including side streets. Improvements will include: sidewalks, a shared use path, street lighting, water lines, a detention basin, and storm sewers. Phase B consists of reconstructing, resurfacing, and widening of Lazelle Road from Olenbrook Drive to Sancus Boulevard, work on Flint Road and South Old State. Phase C includes roadway improvements from Sancus to Worthington-Galena Rd and provides for sidewalks on the south side of Lazelle Road and a shared use path on the north side of the street, drainage system, and lighting.



Construction in progress on Lazelle Road.

Intersection Improvements – Main Street and McNaughten Road

Department: Public Service
Planning Area: Far East
Start Date: May 2013
Est. Completion Date: November 2019
Est. Cost: \$3,099,909
Est. Operating Impact: Minimal

This project will make improvements to the intersection of Main Street and McNaughten Road that will provide additional capacity and improve safety for motorists and pedestrians including four bus stops and 3,000 ft. of total sidewalk - along both the north and south sides of Main Street. The roadway will be widened for an eastbound right turn lane on Main Street, reconstruct existing traffic signals, and revise signal timings.



Construction In progress.

Intersection Improvement – Livingston at Barnett

Department: Public Service
Planning Area: Eastmoor-Walnut Ridge
Start Date: February 2015
Est. Completion Date: November 2019
Est. Cost: \$1,757,143
Est. Operating Impact: Minimal

This project will replace the traffic signal at the intersection of Livingston Avenue and Barnett Road and add left turn lanes to Barnett Road. Both northbound and southbound approaches experience significant delays as a result of a lack of capacity. Sidewalks will be installed north of Livingston Avenue to the parks off Barnett Road.



Roadway work at Barnett and Livingston.

Roadway Improvements - Polaris Parkway

Department: Public Service
Planning Area: Far North
Start Date: September 2013
Est. Completion Date: October 2020
Est. Cost: \$18,857,592
Est. Operating Impact: Minimal

This project will widen Polaris Parkway to provide a third eastbound through lane from I-71 to Olde Worthington Road, and a third westbound through lane from Orion Place to Olde Worthington Road. At the intersection of Polaris Parkway and Orion Place, modifications will be made to the lane striping to provide additional left turn lanes in each direction. This project will also provide pedestrian sidewalks, a shared use path, and install a roundabout at the intersection of Orion Place and Olde Worthington Road.



Curb Installation on Polaris Parkway

Roadway Improvements – Livingston Avenue Phase C

Department: Public Service
Planning Area: Near East
Start Date: October 2016
Est. Completion Date: October 2019
Est. Cost: \$16,900,000
Est. Operating Impact: Minimal

The roadway will be reconstructed and widened. Grant Avenue will also be widened to accommodate a second southbound left turn lane at Livingston Avenue and will be resurfaced from Livingston Avenue to the southern limit of the approach slab of the bridge over I-70/I-71. Additional improvements include bike lanes, curb extensions where parking is permitted, new sidewalks, intersection upgrades, and streetscape improvements. New storm sewers and street lighting will also be installed. All aerial utilities will be relocated underground.



Roadwork along Livingston Ave.

Westgate Tank Replacement

Department: Public Utilities
Planning Area: Greater Hilltop
Start Date: 2018
Est. Completion Date: 2020
Est. Cost: \$5,900,000
Est. Operating Impact: None

The one million gallon Westgate (East) elevated storage tank was constructed around 1930 and was the oldest operating tank in our system. This riveted steel tank was at the end of its service life and needed to be replaced. The one million gallon tank was demolished and a new two million gallon tank is being erected as recommended in the Water Distribution System Master Plan.



Completed concrete column of new composite elevated storage tank.

Parsons Avenue Water Plant (PAWP) Lime Slaker and Soda Ash Replacement Project

Department: Public Utilities
Planning Area: Citywide
Start Date: 2020
Est. Completion Date: 2021
Est. Cost: \$6,000,000
Est. Operating Impact: Minimal increase

The PAWP Lime Slaker & Soda Ash Feeder replacement project will replace aging chemical feed equipment to improve reliability and reduce maintenance associated with the current equipment that is used to clarify and soften the water.



Existing Lime Slakers at PAWP. New Slakers & Feeders will increase the reliability of the water supply system.

DRWP Misc. Improvements – Basin Clarifier Rehabilitation

Department: Public Utilities
Planning Area: Citywide
Start Date: 2020
Est. Completion Date: 2023
Est. Cost: \$12,000,000
Est. Operating Impact: Minimal increase

The DRWP Basin Clarifier Rehabilitation project will include the replacement of twelve clarifier mechanisms in basins 1, 2 & 3 and make improvements to associated basin concrete, piping, and other clarifier appurtenances. Sixteen flocculator drives will also be replaced. Most of these components are original plant assets from the 1970's and are now past their useful life. This equipment is needed to clarify and soften the water.



Existing treatment basins and clarifier equipment will be replaced under this project.

DRWP UV Disinfection Facility

Department: Public Utilities
Planning Area: Citywide
Start Date: 2018
Est. Completion Date: 2021
Est. Cost: \$23,800,000
Est. Operating Impact: Minimal increase

The DRWP UV Disinfection Facility project will install a new treatment process at the plant that uses ultraviolet (UV) light to disinfect the water. With UV disinfection in place, the plant will have a multi-barrier disinfection scheme (chlorine + UV) that enhances public health protection and helps the City comply with upcoming regulatory requirements.



Excavation for the new DRWP UV Disinfection Facility

SWWTP Chemically Enhanced Primary Treatment (CEPT) – Preliminary Treatment

Department: Public Utilities – Sanitary
Planning Area: Citywide
Start Date: September 2017
Est. Completion Date: October 2020
Est. Cost: \$25,604,141
Est. Operating Impact: None

The CEPT facility will treat the additional wet weather flows at the Southerly Wastewater Treatment Plant (SWWTP). The contract will add a treatment train to the plant and will increase plant capacity from 330 MGD to 440 MGD. The facility will be constructed with three construction contracts.

The CEPT - Preliminary Treatment construction contract will expand the plant's headworks facility, which includes replacing four existing raw sewerage pumps, adding two additional raw sewerage pumps, and adding two fine screens. This contract will also add a gravity thickener for the solids that will be produced by the facility. Funding for this project is being provided through a WPCLF loan.



Photograph of a new Raw Water Sewage Pump at the Southerly Wastewater Treatment Plant.

SWWTP Chemically Enhanced Primary Treatment (CEPT) – Clarification

Department: Public Utilities – Sanitary
Planning Area: Citywide
Start Date: September 2017
Est. Completion Date: May 2020
Est. Cost: \$27,769,639
Est. Operating Impact: None

The CEPT facility will treat the additional wet weather flows at the Southerly Wastewater Treatment Plant (SWWTP). The contract will add a treatment train to the plant and will increase plant capacity from 330 MGD to 440 MGD. The facility will be constructed with three construction contracts.

The CEPT - Clarification construction contract will add two primary clarifiers, chemical storage, and feed facilities. Funding for this project is being provided through a WPCLF loan.



Photograph of the construction of the CEPT Chemical Building and Clarifier at the Southerly Wastewater Treatment Plant.

SWWTP Chemically Enhanced Primary Treatment (CEPT) – Disinfection

Department: Public Utilities – Sanitary
Planning Area: Citywide
Start Date: September 2017
Est. Completion Date: June 2020
Est. Cost: \$17,633,252
Est. Operating Impact: None

The CEPT facility will treat the additional wet weather flows at the Southerly Wastewater Treatment Plant (SWWTP). The contract will add a treatment train to the plant and will increase plant capacity from 330 MGD to 440 MGD. The facility will be constructed with three construction contracts.

The CEPT - Disinfection construction contract will install effluent piping and construct chlorine disinfection and de-chlorination facilities. Funding for this project is being provided through a WPCLF loan.

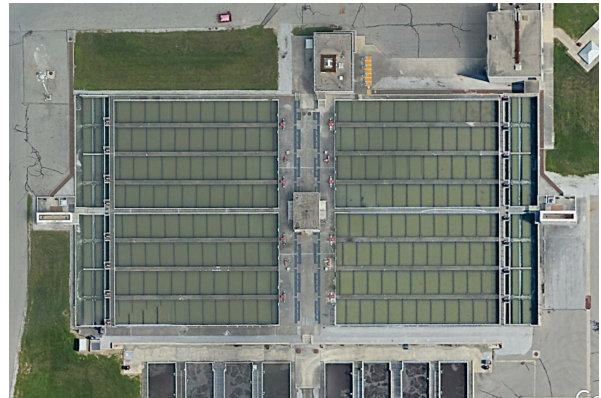


Photograph of the construction of the CEPT Dechlorination Structure at the Southerly Wastewater Treatment Plant.

JPWWTP Primary Clarifiers Electrical Upgrades

Department: Public Utilities – DOSD
Planning Area: Citywide
Start Date: December 2017
Est. Completion Date: February 2020
Est. Cost: \$3,816,000
Est. Operating Impact: N/A

Due to the corrosive nature of the primary clarifier process and age of the electrical infrastructure the controls wiring and electrical infrastructure required rehabilitation. This project installed new electrical equipment, controls, power distribution, and drives for the primary clarifiers.



Photograph of the B-Plant Primary Clarifiers at Jackson Pike Wastewater Treatment Plant
