

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 department and by source of funding.

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 or longer 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 December 15th of each year. After the close of the fiscal 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 \$158.5 million of the 2019 voted authority and \$679.8 million of the 2016 voted authority. In addition, the city also has \$6.9 million of remaining authority from the 2013 voted bond package. The tables below show the remaining voted authority, by purpose, as of October 31, 2021. Voted authority is updated after each new bond issuance.

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	\$ -	\$ -	\$ -
Health, Safety, and Infrastructure	-	-	-	-	205,000	190,350
Recreation and Parks	123,910	-	110,000	8,515	100,000	100,000
Public Service	220,300	-	310,000	-	425,000	295,625
Public Utilities	445,295	6,910	460,000	261,685	250,000	250,000
Neighborhood Development	-	-	-	-	50,000	35,500
Total	\$ 842,005	\$ 6,910	\$ 950,000	\$ 270,200	\$ 1,030,000	\$ 871,475

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. These 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 and 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' 2.5 percent income tax to the special income tax (SIT) fund to service debt, primarily for non-enterprise agencies. In 2021, SIT income tax deposits are currently projected at approximately \$250.7 million, an estimated 7.6 percent increase over 2020 deposits. This amount will be revised when the final 2021 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 \$17.4 million for 2022.

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 2021 to 2030.

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.

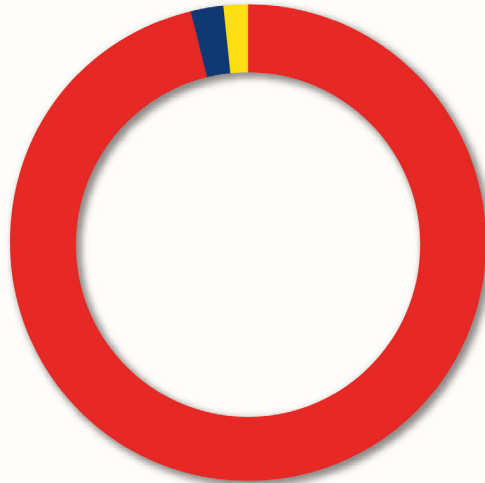
Coverage Factor

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 - SUMMARY										
(000's omitted)										
	Estimated 2021	Proposed 2022	2023	2024	2025	2026	2027	2028	2029	2030
REVENUE SOURCE										
Income Tax (1)	\$ 250,666	\$ 240,639	\$ 247,858	\$ 255,294	\$ 262,953	\$ 270,842	\$ 270,842	\$ 278,967	\$ 287,336	\$ 295,956
Debt Service - Casino	1,023	-	-	-	-	-	-	-	-	-
TIF Reimbursements (2)	8,160	5,725	5,685	5,644	5,608	1,105	575	575	-	-
Special Assessment Reimbursement	190	395	395	395	395	395	205	205	205	205
Police Helicopter Reimbursement	1,453	1,633	-	1,801	-	1,986	-	2,189	-	2,900
Misc. Revenue	1,579	1,595	1,410	1,425	1,447	1,483	1,503	1,523	1,558	1,584
TOTAL REVENUE	263,071	249,987	255,348	264,559	270,403	275,811	273,125	283,459	289,099	300,645
Beginning Fund Balance	232,966	220,928	190,126	163,227	149,493	140,504	155,173	168,652	199,917	248,765
TOTAL RESOURCES	496,037	470,915	445,474	427,786	419,896	416,315	428,298	452,111	489,016	549,410
EXPENDITURES										
Existing Debt Service										
Voted Debt	166,127	169,958	153,999	143,182	135,404	126,572	116,790	110,597	96,771	86,496
Unvoted Debt	59,658	60,845	55,827	53,520	49,165	40,216	35,719	31,071	25,358	17,810
State Infrastructure Bank Loans	592	588	588	583	584	584	583	585	585	586
State Issue II Loans	669	862	1,062	1,258	1,394	1,594	1,761	1,928	2,095	2,262
RiverSouth Debt Service	8,886	7,033	7,039	7,045	3,685	-	-	-	-	-
Total Existing Debt	235,932	239,286	218,515	205,588	190,232	168,966	154,853	144,181	124,809	107,154
Proposed Debt Service (3)										
Debt Service - Voted	-	10,715	29,008	38,927	47,350	54,992	62,134	66,933	69,736	67,607
Debt Service - Unvoted	-	4,377	11,607	13,580	14,984	16,853	18,908	20,625	21,660	21,008
Total Proposed New Debt	-	15,092	40,615	52,507	62,334	71,845	81,042	87,558	91,396	88,615
Direct Expense										
Tipping Fees	17,391	17,419	17,421	17,424	17,426	17,429	17,431	17,434	17,437	17,440
Police Helicopters	2,691	-	2,975	-	5,211	-	3,360	-	3,510	-
Misc. Development & Leases	5,534	5,470	1,147	1,147	2,507	1,147	1,147	1,147	1,147	2,507
Misc. Expenses	13,561	3,522	1,574	1,627	1,682	1,755	1,813	1,874	1,952	2,021
Total Direct Expenses	39,177	26,411	23,117	20,198	26,826	20,331	23,751	20,455	24,046	21,968
TOTAL EXPENSES	275,109	280,789	282,247	278,293	279,392	261,142	259,646	252,194	240,251	217,737
ENDING FUND BALANCE	\$ 220,928	\$ 190,126	\$ 163,227	\$ 149,493	\$ 140,504	\$ 155,173	\$ 168,652	\$ 199,917	\$ 248,765	\$ 331,673
CURRENT YEAR COVERAGE	0.96	0.89	0.90	0.95	0.97	1.06	1.05	1.12	1.20	1.38
TOTAL COVERAGE	1.80	1.68	1.58	1.54	1.50	1.59	1.65	1.79	2.04	2.52
Notes:										
(1) Income Tax estimate for 2021 is a 7.6% increase over 2020 actual collections. Assumes a decrease of 3.9% for 2022, 3.0% increase for 2023-2026, 0% increase in 2027, and a 3% increase for 2028-2030.										
(2) Reimbursements from TIF areas that had debt issued by the city. Debt figures are included in the existing debt service totals.										
(3) Proposed debt assumes bonds will be issued immediately as equal principal payments over a 15 year period. Interest rate assumptions are 4% in 2021, and 5% in 2022 and thereafter.										

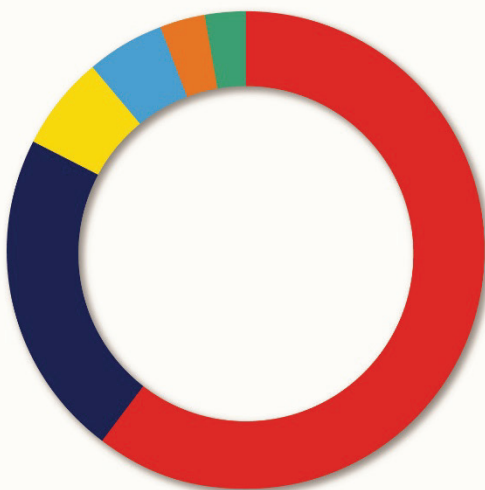
SPECIAL INCOME TAX ANALYSIS PROPOSED 2022 BUDGET

Revenue



Income Tax	96.26%
TIF Reimbursements	2.29%
Miscellaneous Revenue	1.45%

Expenditures



Existing Voted Debt	60.54%
Existing Unvoted Debt	22.18%
Tipping Fees	6.20%
Proposed New Debt	5.38%
Other Expenses	3.20%
RiverSouth Debt	2.50%

Debt Limitations and Obligations

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. As of June 30, 2021, the direct debt limitation of 10.5 percent and 5.5 percent for the city are \$2.118 billion and \$1.110 billion 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.

A subdivision’s allocation of inside millage can be increased by action of the Franklin County Budget Commission pursuant to

Capital Improvements Program

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 inside millage requirements for the city and its overlapping subdivisions as of November 17, 2021 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. The below table is updated with each new debt issuance for the city. As of the date of this publication, no new debt has been issued by the city.

Political Subdivision of State of Ohio	Mills Required		
	Franklin	Fairfield	Delaware
Maximum Millage Permitted	10.0000	10.0000	10.0000
Direct			
City of Columbus	3.0691	3.8356	3.8356
Overlapping			
County	0.6200	1.1795	0.3592
School District	2.1009	-	0.1838
Joint Vocational School District	-	-	-
Solid Waste Authority of Central Ohio	0.2101	0.2102	0.2102
Township	1.7134	-	-
Millage Required	7.7135	5.2253	4.5888
Total Remaining Millage Capacity	2.2865	4.7747	5.4112

Debt Service Payments

During fiscal year 2021, the city will have retired approximately \$273.6 million in principal of general obligation debt. Beginning with fiscal year 2022, approximately 78.54 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
2022	\$ 288,626,091	\$ 130,958,908	\$ 419,584,999
2023	277,348,271	119,227,830	396,576,101
2024	275,483,271	106,700,947	382,184,218
2025	281,583,271	96,096,501	377,679,772
2026	254,938,271	84,197,931	339,136,202
2027	236,618,271	72,099,084	308,717,355
2028	208,468,270	62,466,804	270,935,074
2029	250,355,000	53,198,743	303,553,743
2030	240,275,000	42,671,721	282,946,721
2031	229,895,000	33,005,091	262,900,091
2032	206,830,000	24,818,085	231,648,085
2033	120,530,000	18,836,240	139,366,240
2034	98,425,000	14,231,886	112,656,886
2035	81,155,000	10,393,771	91,548,771
2036	63,230,000	7,310,624	70,540,624
2037	48,230,000	4,840,582	53,070,582
2038	29,515,000	2,983,275	32,498,275
2039	23,210,000	1,740,623	24,950,623
2040	16,200,000	773,604	16,973,604
2041	7,500,000	187,500	7,687,500
Total	\$ 3,238,415,716	\$ 886,739,750	\$ 4,125,155,466

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

Capital Improvements Program

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	2022	2023	2024	2025	2026	Total
Non-Enterprise Fund						
SIT Fund Supported	\$ 230,802,600	\$ 209,825,753	\$ 196,702,456	\$ 184,569,559	\$ 166,788,258	\$ 988,688,626
Non-Enterprise Sub Total	230,802,600	209,825,753	196,702,456	184,569,559	166,788,258	988,688,626
Enterprise Funds						
Water	79,172,216	74,120,191	70,356,753	68,424,943	66,317,746	358,391,849
Sanitary Sewer	83,855,379	88,455,888	92,169,772	103,829,610	88,670,162	456,980,811
Storm	13,407,914	12,691,604	12,225,448	11,885,286	9,997,252	60,207,504
Electricity	2,131,744	2,071,912	2,003,705	1,941,248	1,617,417	9,766,026
Enterprise Sub Total	178,567,253	177,339,595	176,755,678	186,081,087	166,602,577	885,346,190
Internal Service Funds						
Fleet Management	4,327,547	4,200,547	4,051,541	3,179,236	2,544,737	18,303,608
Information Services	5,887,599	5,210,206	4,674,543	3,849,890	3,200,630	22,822,868
Internal Service Sub Total	10,215,146	9,410,753	8,726,084	7,029,126	5,745,367	41,126,476
Total	\$ 419,584,999	\$ 396,576,101	\$ 382,184,218	\$ 377,679,772	\$ 339,136,202	\$ 1,915,161,292

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

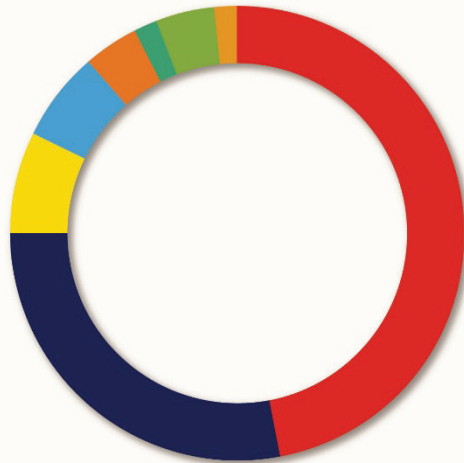
The Proposed 2022-2027 Capital Improvements Program

The proposed Capital Improvements Program provides approximately \$3.62 billion in funding for various capital improvements for the period of 2022-2027. Of this amount, \$567.3 million is to be supported by the SIT while \$3.05 billion will be supported by the internal service and enterprise agencies of the city. The proposed 2022-2027 CIP represents a 10.8 percent increase from the adopted 2021-2026 CIP. The proposed 2022 CIB totals approximately \$646 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 2022-2027 CAPITAL IMPROVEMENTS PROGRAM

Percent by Division



Sanitary Sewers	46.96%
Water	28.24%
Transportation	7.27%
Storm Sewers	6.32%
Rec & Parks	3.77%
Electricity	1.62%
Other	4.33%
Safety	1.49%

Percent by Funding Source



OWDA / WPCLF	38.81%
VOTED SIT Supported	12.29%
WSRLA Loans	16.30%
Sanitary Enterprise	6.97%
Voted Water	6.46%
Voted Sanitary	5.92%
Other	4.39%
Councilmanic	3.38%
Water Enterprise	5.48%

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
PUBLIC SAFETY								
POLICE								
Police Facility Renovation	\$ 1,680,000	\$ 1,680,000	\$ 1,680,000	\$ 1,680,000	\$ 1,680,000	\$ 1,680,000	\$ 10,080,000	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	\$ 1,320,000	\$ 1,320,000	\$ 1,320,000	\$ 1,320,000	\$ 7,920,000	Voted 2019 SIT Supported
Fire Apparatus Replacement - Medics	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	Voted 2019 SIT Supported
Fire Apparatus Replacement - Platform Ladders	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	Voted 2019 SIT Supported
Fire Apparatus Replacement - Engines	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	12,000,000	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								
Economic & Community Development	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,500,000	Councilmanic SIT Supported
44-10 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
44-10 Emergency Shelter Repair	350,000	350,000	350,000	350,000	350,000	350,000	2,100,000	Councilmanic SIT Supported
Affordable Housing Funds	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
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	\$ 675,000	\$ 675,000	\$ 675,000	\$ 675,000	\$ 675,000	\$ 675,000	\$ 4,050,000	Councilmanic SIT Supported
Facility Renovations - Various	3,515,000	3,515,000	3,515,000	3,515,000	3,515,000	3,515,000	21,090,000	Councilmanic SIT Supported
Construction Management - Design Services	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	Councilmanic SIT Supported
Construction Management - Project Management	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	Councilmanic SIT Supported
Construction Management - General Contracting & Small Scale Renovation	500,000	500,000	500,000	500,000	500,000	500,000	3,000,000	Councilmanic SIT Supported
Municipal Campus Renovations	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	18,000,000	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	600,000	600,000	600,000	600,000	600,000	600,000	3,600,000	Fleet Management (Unvoted)
Subtotal - FLEET MANAGEMENT	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,800,000	
TECHNOLOGY								
TECHNOLOGY ADMINISTRATION								
Data Center Facility Upgrades	\$ 240,000	\$ 200,000	\$ 250,000	\$ 1,500,000	\$ 5,000,000	\$ 1,500,000	\$ 8,690,000	Information Services
Connectivity Project Fiber/Wireless	1,000,000	1,000,000	1,000,000	1,500,000	1,500,000	2,000,000	8,000,000	Information Services
CTSS Fiber Purchase B,C,D	1,100,000	-	1,300,000	-	1,500,000	-	3,900,000	Information Services
Enterprise System Upgrades	1,000,000	650,000	1,300,000	2,000,000	650,000	1,600,000	7,200,000	Information Services
E-Gov Initiatives	250,000	250,000	-	-	-	-	500,000	Information Services
Media Services Equipment and Infrastructure	150,000	25,000	50,000	60,000	100,000	600,000	985,000	Information Services
Network Improvements	630,000	600,000	1,700,000	1,000,000	1,000,000	1,600,000	6,530,000	Information Services
Data Management Services	-	-	500,000	180,000	250,000	200,000	1,130,000	Information Services
Telephony and IVR Infrastructure	500,000	830,000	1,200,000	500,000	-	-	3,030,000	Information Services
Security Program	100,000	300,000	-	-	-	-	400,000	Information Services
GIS	90,000	90,000	250,000	90,000	90,000	90,000	700,000	Information Services
Applications	550,000	500,000	-	-	-	-	1,050,000	Information Services
Subtotal - TECHNOLOGY/DOT ADMINISTRATION	\$ 5,610,000	\$ 4,445,000	\$ 7,550,000	\$ 6,830,000	\$ 10,090,000	\$ 7,590,000	\$ 42,115,000	
RECREATION AND PARKS								
RECREATION AND PARKS								
51 Urban Infra.- Rec & Parks	-	-	-	-	753,200	753,200	1,506,400	Councilmanic SIT Supported
51 Urban Infra.- Rec & Parks	753,200	753,200	753,200	753,200	-	-	3,012,800	Voted 2019 SIT Supported

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
Renovation - Misc.	-	-	-	-	-	3,386,800	3,386,800	Councilmanic SIT Supported
Renovation - Misc.	3,386,800	3,386,800	3,386,800	3,386,800	3,386,800	-	16,934,000	Voted 2019 SIT Supported
Renovation - Cost Allocation	-	-	-	-	500,000	500,000	1,000,000	Councilmanic 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	Councilmanic SIT Supported
Facility Assessment Implementation	4,000,000	-	-	-	-	-	4,000,000	Voted 2016 Debt SIT Supported
Facility Assessment Implementation	-	4,000,000	4,000,000	4,000,000	4,000,000	-	16,000,000	Voted 2019 SIT Supported
Hard Surface Improvements	-	-	-	-	-	800,000	800,000	Councilmanic SIT Supported
Hard Surface Improvements	800,000	800,000	800,000	800,000	800,000	-	4,000,000	Voted 2019 SIT Supported
Roof Improvements	-	-	-	-	-	800,000	800,000	Councilmanic SIT Supported
Roof Improvements	800,000	800,000	800,000	800,000	800,000	-	4,000,000	Voted 2019 SIT Supported
Maintenance Equipment - Parks	-	-	-	-	250,000	250,000	500,000	Councilmanic 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	Councilmanic 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	Councilmanic SIT Supported
Safe Playgrounds	500,000	500,000	500,000	500,000	-	-	2,000,000	Voted 2019 SIT Supported
New Development - Misc.	-	-	-	-	-	5,227,200	5,227,200	Councilmanic SIT Supported
New Development - Misc.	4,515,000	-	-	-	-	-	4,515,000	Voted 2016 Debt SIT Supported
New Development - Misc.	712,200	5,227,200	5,227,200	5,227,200	5,227,200	-	21,621,000	Voted 2019 SIT Supported
New Development - Cost Allocation	-	-	-	-	240,000	240,000	480,000	Councilmanic 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	Councilmanic SIT Supported
Acquisition - Misc.	1,524,600	1,524,600	1,524,600	1,524,600	1,524,600	-	7,623,000	Voted 2019 SIT Supported
Acquisition - Cost Allocation	-	-	-	-	70,000	70,000	140,000	Councilmanic 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	Councilmanic 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	Councilmanic 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	Councilmanic 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	Councilmanic 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.	-	-	-	-	-	1,089,000	1,089,000	Councilmanic SIT Supported
Program Projects (Large) - Misc.	1,089,000	1,089,000	1,089,000	1,089,000	1,089,000	-	5,445,000	Voted 2019 SIT Supported
Program Projects (Large) - Cost Allocation	-	-	-	-	50,000	50,000	100,000	Councilmanic SIT Supported
Program Projects (Large) - Cost Allocation	50,000	50,000	50,000	50,000	-	-	200,000	Voted 2019 SIT Supported
Emergency Replacement - Misc.	-	-	-	-	303,800	871,200	1,175,000	Councilmanic SIT Supported
Emergency Replacement - Misc.	871,200	871,200	871,200	871,200	567,400	-	4,052,200	Voted 2019 SIT Supported
Emergency Replacement - Cost Allocation	-	-	-	-	40,000	40,000	80,000	Councilmanic 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	Councilmanic 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	Councilmanic 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	
Public Service								
TRANSPORTATION								
UIRF - Urban Infrastructure Recovery Fund (59-12)	\$ 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
Bridge Rehab - UIRF - Milo Grogan Second Avenue Improvements	1,500,000	-	-	-	-	-	1,500,000	Voted 2019 SIT Supported
Miscellaneous Developments- Vision Zero Action Plan Implementation	5,231,794	5,331,794	5,331,794	5,331,794	5,331,794	5,331,794	31,890,764	Voted 2019 SIT Supported
NCR-Public Infrastructure	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
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	150,000	50,000	50,000	50,000	50,000	50,000	400,000	Voted 2019 SIT Supported

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
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
Resurfacing - Resurfacing Projects	17,400,000	17,400,000	17,400,000	17,400,000	17,400,000	17,400,000	104,400,000	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 - In House Design Right of Way Fund	100,000	100,000	100,000	100,000	100,000	100,000	600,000	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 - 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 - Whittier Street Bridge Rehab and SUP Widening	990,000	-	-	-	-	-	990,000	Voted 2019 SIT Supported
Bridge Rehabilitation - Long Street (U) CSX RR Bridge Painting	-	900,000	-	-	-	-	900,000	Voted 2019 SIT Supported
Bridge Rehabilitation - US-33 (U) NS RR Bridge Painting	-	600,000	-	-	-	-	600,000	Voted 2019 SIT Supported
Bridge Rehabilitation - Front Street over Conrail South of Nationwide	-	1,000,000	-	-	-	-	1,000,000	Voted 2019 SIT Supported
Bridge Rehabilitation - General Engineering (2022)	200,000	-	-	-	-	-	200,000	Voted 2019 SIT Supported
Bridge Rehabilitation - Annual Citywide Contract (2022)	681,393	871,393	3,371,393	3,371,393	3,371,393	3,371,393	15,038,358	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
Bikeway Development	-	-	850,000	1,600,000	1,600,000	1,600,000	5,650,000	Voted 2019 SIT Supported
Bikeway Development - Bikeway Resurfacing Contributions	100,000	100,000	100,000	100,000	100,000	100,000	600,000	Voted 2019 SIT Supported
Bikeway Development - Tussing Road SUP Brice Rd to Hines Rd	-	3,110,000	-	-	-	-	3,110,000	Voted 2019 SIT Supported
Bikeway Development - Kenny Road SUP Lane Ave to Ackerman Rd	-	-	2,550,000	-	-	-	2,550,000	Voted 2019 SIT Supported
Bikeway Development - Worthington Woods Blvd Shared Use Path (Sancus to Deer Creek)	4,119,000	-	-	-	-	-	4,119,000	Voted 2019 SIT Supported
Pedestrian Safety Improvements - Sidewalk Program	-	21,780	1,650,000	3,450,000	3,450,000	3,450,000	12,021,780	Voted 2019 SIT Supported
Pedestrian Safety Improvement - Sidewalk Replacement (Tree Root)	351,000	850,000	850,000	850,000	850,000	850,000	4,601,000	Voted 2019 SIT Supported
Pedestrian Safety - Godown Rd Sidewalks - West Case Rd to Bethel Rd	-	1,130,120	-	-	-	-	1,130,120	Voted 2019 SIT Supported
Pedestrian Safety - Barnett Rd Sidewalks - Astor Ave to Main St	-	788,100	-	-	-	-	788,100	Voted 2019 SIT Supported
CelebrateOne Sidewalk - Hilltop (Springmont)	1,430,000	-	-	-	-	-	1,430,000	Voted 2019 SIT Supported
Subtotal - TRANSPORTATION	\$ 43,905,000	\$ 43,905,000	\$ 43,905,000	\$ 43,905,000	\$ 43,905,000	\$ 43,905,000	\$ 263,430,000	
REFUSE COLLECTION								
59-02 Mechanized Collection Equipment	\$ -	\$ -	\$ 4,930,000	\$ 4,930,000	\$ 4,930,000	\$ 4,930,000	\$ 19,720,000	Councilmanic SIT Supported
59-02 Mechanized Collection Equipment	4,930,000	4,930,000	-	-	-	-	9,860,000	Voted 2019 SIT Supported
Alum Creek Remediation - Facility Improvements	-	-	100,000	100,000	100,000	100,000	400,000	Councilmanic SIT Supported
Alum Creek Remediation - Facility Improvements	100,000	100,000	-	-	-	-	200,000	Voted 2019 SIT Supported
Mechanized Collection Equipment - Containers	-	-	50,000	1,050,000	1,050,000	1,050,000	3,200,000	Councilmanic SIT Supported
Mechanized Collection Equipment - Containers	1,050,000	1,050,000	1,000,000	-	-	-	3,100,000	Voted 2019 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	-	-	-	200,000	-	-	200,000	Storm Sewer Enterprise (Unvoted)
Storm Sewer Large Diameter Condition Assessment Phase 1	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Storm
Storm Sewer Large Diameter Condition Assessment Phase 1	-	-	-	2,000,000	-	-	2,000,000	WPCLF/OWDA
Large Diameter Condition Assessment - Phase 2	-	-	-	-	200,000	-	200,000	Storm Sewer Enterprise (Unvoted)
Large Diameter Condition Assessment - Phase 2	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Storm
Large Diameter Condition Assessment - Phase 2	-	-	-	-	2,000,000	-	2,000,000	WPCLF/OWDA
Large Diameter Condition Assessment - Phase 3	-	-	-	-	200,000	-	200,000	Storm Sewer Enterprise (Unvoted)
Large Diameter Condition Assessment - Phase 3	1,500,000	-	300,000	-	-	-	1,800,000	Voted 2016 Debt - Storm
Large Diameter Condition Assessment - Phase 3	-	-	-	-	2,000,000	-	2,000,000	WPCLF/OWDA
Large Diameter Condition Assessment - Phase 4	-	-	-	300,000	-	200,000	500,000	Storm Sewer Enterprise (Unvoted)
Large Diameter Condition Assessment - Phase 4	-	1,500,000	-	-	-	-	1,500,000	Voted 2016 Debt - Storm
Large Diameter Condition Assessment - Phase 4	-	-	-	-	-	2,000,000	2,000,000	WPCLF/OWDA
Large Diameter Condition Assessment - Phase 5	-	-	1,148,875	-	300,000	-	1,448,875	Storm Sewer Enterprise (Unvoted)
Large Diameter Condition Assessment - Phase 5	-	-	351,125	-	-	-	351,125	Voted 2016 Debt - Storm
Large Diameter Condition Assessment - Phase 6	-	-	-	1,500,000	-	300,000	1,800,000	Storm Sewer Enterprise (Unvoted)
Large Diameter Condition Assessment - Phase 7	-	-	-	-	1,500,000	-	1,500,000	Storm Sewer Enterprise (Unvoted)
Large Diameter Condition Assessment - Phase 8	-	-	-	-	-	1,500,000	1,500,000	Storm Sewer Enterprise (Unvoted)

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total	
							Budget	Funding Source
General Construction Contract (Storm)	-	-	1,150,000	1,150,000	1,150,000	1,150,000	4,600,000	Storm Sewer Enterprise (Unvoted)
General Construction Contract (Storm)	1,150,000	1,150,000	-	-	-	-	2,300,000	Voted 2016 Debt - Storm
60-15 Petzinger Rd Stormwater Imps	150,000	-	-	-	-	-	150,000	Voted 2016 Debt - Storm
60-15 Petzinger Rd Stormwater Imps	1,100,000	-	-	-	-	-	1,100,000	WPCLF/OWDA
General Engineering Services - Storm - 2022	400,000	400,000	400,000	-	-	-	1,200,000	Voted 2016 Debt - Storm
General Engineering Services - Storm - 2025	-	-	-	400,000	400,000	400,000	1,200,000	Storm Sewer Enterprise (Unvoted)
60-15 Linworth Rd/Meeklynn Dr Storm Sewer	1,500,000	-	-	-	-	-	1,500,000	WPCLF/OWDA
Linden Neighborhood Stormwater System Improvements Phase 2	1,900,000	-	-	-	-	-	1,900,000	WPCLF/OWDA
Joint Storm Sewer Projects with DPS	-	-	250,000	250,000	250,000	250,000	1,000,000	Storm Sewer Enterprise (Unvoted)
Joint Storm Sewer Projects with DPS	250,000	250,000	250,000	-	-	-	750,000	Voted 2016 Debt - Storm
Franklinton Area Stormwater System Improvements	-	-	3,000,000	-	1,100,000	-	4,100,000	Storm Sewer Enterprise (Unvoted)
Franklinton Area Stormwater System Improvements	8,000,000	-	-	-	-	-	8,000,000	Voted 2016 Debt - Storm
Franklinton Area Stormwater System Improvements	-	-	31,000,000	-	11,000,000	-	42,000,000	WPCLF/OWDA
ST-21, ST-22, ST-23 Improvements	450,000	3,000,000	-	-	-	-	3,450,000	Voted 2016 Debt - Storm
ST-21, ST-22, ST-23 Improvements	-	28,200,000	-	-	-	-	28,200,000	WPCLF/OWDA
Krieger Court Stormwater Improvements	575,000	-	-	-	-	-	575,000	Voted 2016 Debt - Storm
Krieger Court Stormwater Improvements	2,500,000	-	-	-	-	-	2,500,000	WPCLF/OWDA
Tw in Lakes Upper Dam and Greenlaw Low Head Dam Improvements	1,000,000	-	-	-	-	-	1,000,000	Voted 2016 Debt - Storm
Tw in Lakes Dam Rehabilitation	7,000,000	-	-	-	-	-	7,000,000	WPCLF/OWDA
Greenlaw Dam Rehabilitation	2,500,000	-	-	-	-	-	2,500,000	WPCLF/OWDA
Barnett Road Stormwater Improvements Project	460,000	-	-	-	-	-	460,000	Voted 2016 Debt - Storm
Barnett Road Stormwater Improvements Project	-	3,800,000	-	-	-	-	3,800,000	WPCLF/OWDA
Storm Sewer Assessment - North Linden 2 Blueprint Area	-	-	-	-	-	2,000,000	2,000,000	Storm Sewer Enterprise (Unvoted)
Storm Sewer Assessment - Hilltop 2 Blueprint Area	-	-	-	-	2,000,000	-	2,000,000	Storm Sewer Enterprise (Unvoted)
Cooke Rd. Culvert Improvements Project	50,000	-	-	-	-	-	50,000	Voted 2016 Debt - Storm
Cooke Rd. Culvert Improvements Project	250,000	-	-	-	-	-	250,000	WPCLF/OWDA
Ohio State University Area Utility Easement Project	50,000	-	-	-	-	-	50,000	Voted 2016 Debt - Storm
Second Avenue Sewer Improvements	50,000	-	-	-	-	-	50,000	Voted 2016 Debt - Storm
Second Avenue Sewer Improvements	-	6,800,000	-	-	-	-	6,800,000	WPCLF/OWDA
Mound Street Floodwall and WCLFP Repairs	-	50,000	-	-	-	-	50,000	Voted 2016 Debt - Storm
Mound Street Floodwall and WCLFP Repairs	-	2,200,000	-	-	-	-	2,200,000	WPCLF/OWDA
Floodwall Closure Evaluations	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Storm
Floodwall Closure Evaluations	-	4,000,000	-	-	-	-	4,000,000	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 Project	244,125	244,125	-	-	-	-	488,250	Voted 2016 Debt - Storm
Astor Bernhard Storm Sewer Improvements	-	-	1,627,500	-	-	-	1,627,500	WPCLF/OWDA
Gertrude Lattimer Storm Sewer Improvements	-	-	750,000	-	-	-	750,000	Storm Sewer Enterprise (Unvoted)
Gertrude Lattimer Storm Sewer Improvements	616,125	-	10,000	-	-	-	626,125	Voted 2016 Debt - Storm
Gertrude Lattimer Storm Sewer Improvements	-	-	-	7,600,000	-	-	7,600,000	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
Major Stormwater Drainage Improvements	-	-	-	1,400,000	1,400,000	1,400,000	4,200,000	Storm Sewer Enterprise (Unvoted)
Major Stormwater Drainage Improvements	620,000	1,400,000	1,400,000	-	-	-	3,420,000	Voted 2016 Debt - Storm
Major Stormwater Drainage Improvements	-	7,850,000	7,850,000	7,850,000	7,850,000	7,850,000	39,250,000	WPCLF/OWDA
Storm Sewer Lining Projects	-	-	-	150,000	150,000	150,000	450,000	Storm Sewer Enterprise (Unvoted)
Storm Sewer Lining Projects	150,000	150,000	150,000	-	-	-	450,000	Voted 2016 Debt - Storm
Storm Sewer Lining Projects	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	6,000,000	WPCLF/OWDA
Livingston Noe-Bixby Culvert	200,000	-	-	-	-	-	200,000	Voted 2016 Debt - Storm
Shanley Drive Basin	260,000	-	-	-	-	-	260,000	Voted 2016 Debt - Storm
Postlewait Road Stormwater System Improvements	80,000	100,000	-	-	-	-	180,000	Voted 2016 Debt - Storm
Subtotal - STORM SEWER	\$ 38,307,500	\$ 63,222,000	\$ 51,664,375	\$ 24,962,500	\$ 32,500,000	\$ 18,200,000	\$ 228,856,375	
SANITARY SEWERS								
DOSD Stormwater Pump Stations Evaluation & Upgrade	\$ -	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	Sanitary Sewer Enterprise (Unvoted)
DOSD Stormwater Pump Stations Evaluation & Upgrade	300,000	300,000	-	-	-	-	600,000	Voted 2016 Debt - Sanitary Sewer

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
DOSD Stormwater Pump Station ST-29 Evaluation & Upgrade	-	-	312,000	-	-	-	312,000	Sanitary Sewer Enterprise (Unvoted)
DOSD Stormwater Pump Station ST-29 Evaluation & Upgrade	84,000	144,000	-	-	-	-	228,000	Voted 2016 Debt - Sanitary Sewer
DOSD Stormwater Pump Station ST-29 Evaluation & Upgrade	-	-	1,200,000	-	-	-	1,200,000	WPCLF/OWDA
DOSD Stormwater Pump Stations - Construction	-	-	5,000,000	-	-	-	5,000,000	WPCLF/OWDA
Blueprint Columbus Public Information Outreach 2022	350,000	350,000	-	-	-	-	700,000	Voted 2016 Debt - Sanitary Sewer
Real Time Control Sewer System Optimization, Part 2	-	-	500,000	500,000	-	-	1,000,000	Sanitary Sewer Enterprise (Unvoted)
Real Time Control Sewer System Optimization, Part 2	500,000	500,000	-	-	-	-	1,000,000	Voted 2016 Debt - Sanitary Sewer
Real Time Control Sewer System Optimization, Part 3	-	-	-	500,000	500,000	500,000	1,500,000	Sanitary Sewer Enterprise (Unvoted)
Overall Engineering Consultants (OEC) 2022-2026	-	-	300,000	300,000	300,000	-	900,000	Sanitary Sewer Enterprise (Unvoted)
Overall Engineering Consultants (OEC) 2022-2026	300,000	300,000	-	-	-	-	600,000	Voted 2016 Debt - Sanitary Sewer
Overall Engineering Consultant-OEC (2027-2030)	-	-	-	-	-	300,000	300,000	Sanitary Sewer Enterprise (Unvoted)
Big Walnut Sanitary Trunk Extension, Phase 2	5,300,000	-	-	-	-	-	5,300,000	Voted 2016 Debt - Sanitary Sewer
Central College Subtrunk Extension Phase 3	-	1,400,000	-	-	-	-	1,400,000	Voted 2016 Debt - Sanitary Sewer
Central College Subtrunk Extension Phase 3	36,000,000	-	-	-	-	-	36,000,000	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
60-05 Rocky Fork-Blacklick Connector Sewer	-	-	3,600,000	500,000	3,600,000	-	7,700,000	Sanitary Sewer Enterprise (Unvoted)
60-05 Rocky Fork-Blacklick Connector Sewer	-	-	-	-	-	36,000,000	36,000,000	WPCLF/OWDA
General Engineering Services - Sanitary - 2022	400,000	400,000	-	-	-	-	800,000	Voted 2016 Debt - Sanitary Sewer
General Engineering Services - Sanitary - 2022	-	-	400,000	-	-	-	400,000	Voted 2019 Debt - Sanitary
General Engineering Services - Sanitary - 2025	-	-	-	400,000	400,000	400,000	1,200,000	Sanitary Sewer Enterprise (Unvoted)
Williams and Castle Interceptor	-	-	-	7,500,000	1,000,000	3,000,000	11,500,000	Sanitary Sewer Enterprise (Unvoted)
Williams and Castle Interceptor	-	3,000,000	-	-	-	-	3,000,000	Voted 2019 Debt - Sanitary
Williams and Castle Interceptor	-	-	-	80,000,000	-	-	80,000,000	WPCLF/OWDA
DOSD Roof Replacements, No. 2	2,380,000	-	-	-	-	-	2,380,000	Voted 2016 Debt - Sanitary Sewer
DOSD Roof Replacements, No. 3	-	-	3,650,000	3,650,000	3,650,000	-	10,950,000	Sanitary Sewer Enterprise (Unvoted)
DOSD Roof Replacements, No. 3	250,000	3,650,000	-	-	-	-	3,900,000	Voted 2016 Debt - Sanitary Sewer
DOSD Roof Replacements, No. 4	-	-	-	-	195,000	3,665,000	3,860,000	Sanitary Sewer Enterprise (Unvoted)
JPWWTP Digester Improvements	-	7,740,000	-	-	-	-	7,740,000	Voted 2019 Debt - Sanitary
JPWWTP Digester Improvements	-	43,000,000	-	-	-	-	43,000,000	WPCLF/OWDA
JPWWTP, Support Facilities	-	-	-	-	284,000	682,000	966,000	Sanitary Sewer Enterprise (Unvoted)
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 Improvements	-	-	-	2,820,000	-	-	2,820,000	Sanitary Sewer Enterprise (Unvoted)
Jackson Pike A-Plant Secondary Clarifier Electrical Upgrades & Miscellaneous Improvements	-	825,000	1,155,000	-	-	-	1,980,000	Voted 2019 Debt - Sanitary
Jackson Pike A-Plant Secondary Clarifier Electrical Upgrades & Miscellaneous Improvements	-	-	-	15,000,000	-	-	15,000,000	WPCLF/OWDA
JPWWTP Sludge Dewatering Improvements	-	-	-	-	1,330,000	2,280,000	3,610,000	Sanitary Sewer Enterprise (Unvoted)
JPWWTP Cogeneration Facility	1,907,782	-	-	-	-	-	1,907,782	Voted 2016 Debt - Sanitary Sewer
JPWWTP Screening Improvements	1,880,000	-	-	-	-	-	1,880,000	Voted 2016 Debt - Sanitary Sewer
JPWWTP Screening Improvements	10,000,000	-	-	-	-	-	10,000,000	WPCLF/OWDA
JPWWTP Power Monitoring System	-	-	300,000	-	-	-	300,000	Sanitary Sewer Enterprise (Unvoted)
JPWWTP Power Monitoring System	-	100,000	-	-	-	-	100,000	Voted 2016 Debt - Sanitary Sewer
JPWWTP Power Monitoring System	-	-	1,000,000	-	-	-	1,000,000	WPCLF/OWDA
JPWWTP Power Systems Upgrades and Safety Improvements - Phase 1	-	550,000	-	-	-	-	550,000	Voted 2019 Debt - Sanitary
JPWWTP Power Systems Upgrades and Safety Improvements - Phase 1	-	-	3,000,000	-	-	-	3,000,000	WPCLF/OWDA
Whittier Street Storm Tanks, Part 2	-	-	-	-	1,000,000	1,100,000	2,100,000	Sanitary Sewer Enterprise (Unvoted)
Short Circuit, Coordination, and Arc Flash Studies #1	-	350,000	-	-	-	-	350,000	Voted 2016 Debt - Sanitary Sewer
Short Circuit, Coordination, and Arc Flash Studies #2	-	-	500,000	-	-	-	500,000	Sanitary Sewer Enterprise (Unvoted)
DPU General Engineering Consultant Services (GEC) #4	500,000	-	-	-	-	-	500,000	Voted 2016 Debt - Sanitary Sewer
DPU General Engineering Consultant Services (GEC) #5	-	-	500,000	-	-	-	500,000	Sanitary Sewer Enterprise (Unvoted)
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) #6	-	-	-	500,000	500,000	-	1,000,000	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) #7	-	-	-	500,000	500,000	500,000	1,500,000	Sanitary Sewer Enterprise (Unvoted)
DPU General Engineering Consultant Services (GEC) #8	-	-	-	-	-	500,000	500,000	Sanitary Sewer Enterprise (Unvoted)

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total	
							Budget	Funding Source
JPWWTP Small Capital Projects	-	-	1,100,000	1,100,000	1,100,000	1,100,000	4,400,000	Sanitary Sewer Enterprise (Unvoted)
JPWWTP Small Capital Projects	1,100,000	1,100,000	-	-	-	-	2,200,000	Voted 2016 Debt - Sanitary Sewer
JPWWTP Incinerator Building Rehabilitation	-	2,300,000	-	-	-	-	2,300,000	WPCLF/OWDA
SWWTP Small Capital Projects	-	-	1,100,000	1,100,000	1,100,000	1,100,000	4,400,000	Sanitary Sewer Enterprise (Unvoted)
SWWTP Small Capital Projects	1,600,000	1,100,000	-	-	-	-	2,700,000	Voted 2016 Debt - Sanitary Sewer
SWWTP Incinerator Building - South Rehabilitation	-	-	-	-	600,000	-	600,000	Sanitary Sewer Enterprise (Unvoted)
SWWTP SW Switching Station Switchgear Replacement	1,600,000	-	-	-	-	-	1,600,000	Voted 2016 Debt - Sanitary Sewer
Compost Facility Small Capital Projects	-	-	-	-	400,000	400,000	800,000	Sanitary Sewer Enterprise (Unvoted)
Fairwood Building Facilities Small Capital Projects	-	-	350,000	350,000	350,000	350,000	1,400,000	Sanitary Sewer Enterprise (Unvoted)
Fairwood Building Facilities Small Capital Projects	350,000	350,000	-	-	-	-	700,000	Voted 2016 Debt - Sanitary Sewer
SMOC Vehicle Maintenance Fluid System Replacement	500,000	-	-	-	-	-	500,000	Voted 2016 Debt - Sanitary Sewer
WWTFs Professional Construction Management Services #3	-	-	485,000	485,000	485,000	-	1,455,000	Sanitary Sewer Enterprise (Unvoted)
WWTFs Professional Construction Management Services #3	485,000	485,000	-	-	-	-	970,000	Voted 2016 Debt - Sanitary Sewer
WWTFs Professional Construction Management Services #4	-	-	-	-	-	1,000,000	1,000,000	Sanitary Sewer Enterprise (Unvoted)
DOSD HVAC and Air Purification System Replacements, No. 1	277,000	-	-	-	-	-	277,000	Voted 2016 Debt - Sanitary Sewer
DOSD HVAC and Air Purification System Replacements, No. 2	-	-	1,300,000	1,300,000	2,400,000	-	5,000,000	Sanitary Sewer Enterprise (Unvoted)
DOSD HVAC and Air Purification System Replacements, No. 2	300,000	1,300,000	-	-	-	-	1,600,000	Voted 2016 Debt - Sanitary Sewer
DOSD HVAC and Air Purification System Replacements, No. 3	-	-	-	-	300,000	2,600,000	2,900,000	Sanitary Sewer Enterprise (Unvoted)
Jackson Pkce WWTP Stormwater and Floodplain Improvements	1,200,000	1,080,000	-	-	-	-	2,280,000	Voted 2016 Debt - Sanitary Sewer
Jackson Pkce WWTP Stormwater and Floodplain Improvements	-	12,000,000	-	-	-	-	12,000,000	WPCLF/OWDA
Land Acquisition	-	-	-	-	7,500,000	-	7,500,000	Sanitary Sewer Enterprise (Unvoted)
DOSD Electrical Upgrades Program	1,000,000	1,000,000	-	-	-	-	2,000,000	Voted 2016 Debt - Sanitary Sewer
WWTFs Instrumentation and Control (I&C) Integration and Programming Part 2	-	500,000	-	-	-	-	500,000	Voted 2019 Debt - Sanitary
WWTFs Instrumentation and Control (I&C) Integration and Programming #3	-	-	-	500,000	-	-	500,000	Sanitary Sewer Enterprise (Unvoted)
WWTFs Instrumentation and Control (I&C) Integration and Programming #3	500,000	500,000	-	-	-	-	1,000,000	Voted 2016 Debt - Sanitary Sewer
WWTFs Instrumentation and Control (I&C) Integration and Programming #3	-	-	500,000	-	-	-	500,000	Voted 2019 Debt - Sanitary
WWTFs (I&C) Integration and Programming Team Part 4	-	-	-	-	500,000	500,000	1,000,000	Sanitary Sewer Enterprise (Unvoted)
60-05 SWWTP Sludge Dewatering Improvements	-	-	-	-	4,940,000	-	4,940,000	Sanitary Sewer Enterprise (Unvoted)
60-05 SWWTP Sludge Dewatering Improvements	-	1,330,000	2,280,000	-	-	-	3,610,000	Voted 2019 Debt - Sanitary
60-05 SWWTP Sludge Dewatering Improvements	-	-	-	-	19,000,000	-	19,000,000	WPCLF/OWDA
SWWTP Main Drain Pump Station	240,000	-	-	-	-	-	240,000	Voted 2016 Debt - Sanitary Sewer
SWWTP Main Drain Pump Station	3,000,000	-	-	-	-	-	3,000,000	WPCLF/OWDA
SWWTP Cogeneration Revised Capacity	-	-	-	1,300,000	2,858,000	1,400,000	5,558,000	Sanitary Sewer Enterprise (Unvoted)
SWWTP Cogeneration Revised Capacity	-	-	-	-	-	25,000,000	25,000,000	WPCLF/OWDA
SWWTP Digester Process Expansion, Phase II	-	2,339,000	4,705,000	-	-	-	7,044,000	Voted 2019 Debt - Sanitary
SWWTP Digester Process Expansion, Phase II	-	-	26,580,000	-	-	-	26,580,000	WPCLF/OWDA
SWWTP Post Aeration Diffuser Replacement	930,000	-	-	-	-	-	930,000	Voted 2016 Debt - Sanitary Sewer
SWWTP Post Aeration Diffuser Replacement	10,556,000	-	-	-	-	-	10,556,000	WPCLF/OWDA
SWWTP Effluent Sample Pump Station	-	-	-	300,000	-	-	300,000	Sanitary Sewer Enterprise (Unvoted)
SWWTP Effluent Sample Pump Station	-	110,000	154,000	-	-	-	264,000	Voted 2019 Debt - Sanitary
SWWTP Effluent Sample Pump Station	-	-	-	2,000,000	-	-	2,000,000	WPCLF/OWDA
SWWTP Power Monitoring System	-	240,000	245,000	-	-	-	485,000	Voted 2019 Debt - Sanitary
SWWTP Power Monitoring System	-	-	1,250,000	-	-	-	1,250,000	WPCLF/OWDA
Power Quality Analysis	-	-	-	500,000	500,000	-	1,000,000	Sanitary Sewer Enterprise (Unvoted)
SWWTP Power Systems Upgrades and Safety Improvements - Phase 1	-	620,000	710,000	-	-	-	1,330,000	Voted 2019 Debt - Sanitary
SWWTP Power Systems Upgrades and Safety Improvements - Phase 1	-	-	6,000,000	-	-	-	6,000,000	WPCLF/OWDA
WWTFs Phosphorus Removal & Recovery	-	-	-	-	1,667,800	2,339,000	4,006,800	Sanitary Sewer Enterprise (Unvoted)
WWTF Upgrade - General Program #5	-	-	800,000	800,000	800,000	800,000	3,200,000	Sanitary Sewer Enterprise (Unvoted)
WWTF Upgrade - General Program #5	800,000	800,000	-	-	-	-	1,600,000	Voted 2016 Debt - Sanitary Sewer
East & Far East Return Activated Sludge Sludge Control Bldg Electrical Imps	-	-	-	752,000	-	-	752,000	Sanitary Sewer Enterprise (Unvoted)
East & Far East Return Activated Sludge Sludge Control Bldg Electrical Imps	-	220,000	308,000	-	-	-	528,000	Voted 2019 Debt - Sanitary
East & Far East Return Activated Sludge Sludge Control Bldg Electrical Imps	-	-	-	4,000,000	-	-	4,000,000	WPCLF/OWDA
SWWTP Aeration Optimization	-	-	-	3,960,000	5,640,000	-	9,600,000	Sanitary Sewer Enterprise (Unvoted)
SWWTP Aeration Optimization	-	-	-	-	30,000,000	-	30,000,000	WPCLF/OWDA
SWWTP EAC HVAC and Air Purification	3,240,000	-	-	-	-	-	3,240,000	Voted 2016 Debt - Sanitary Sewer
60-05 Compost Facility Odor Control Improvements	4,500,000	-	-	-	-	-	4,500,000	WPCLF/OWDA

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
Compost Facility Odor Reduction Improvements - Part 2	-	-	-	7,835,000	7,835,000	-	15,670,000	Sanitary Sewer Enterprise (Unvoted)
Compost Facility Odor Reduction Improvements - Part 2	-	-	-	-	43,350,000	-	43,350,000	WPCLF/OWDA
Southerly Stormwater and Floodplain Improvements	5,200,000	400,000	-	-	-	-	5,600,000	Voted 2016 Debt - Sanitary Sewer
Southerly Stormwater and Floodplain Improvements	-	5,000,000	-	-	-	-	5,000,000	WPCLF/OWDA
Southerly Stormwater and Floodplain Improvements, Phase 2	-	-	9,000,000	-	-	-	9,000,000	Sanitary Sewer Enterprise (Unvoted)
Southerly Stormwater and Floodplain Improvements, Phase 2	-	-	45,000,000	-	-	-	45,000,000	WPCLF/OWDA
Sanitary Sewer Lining Project	-	-	1,170,000	-	-	1,170,000	2,340,000	Sanitary Sewer Enterprise (Unvoted)
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	Voted 2019 Debt - Sanitary
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
2026 Annual Lining Contract	-	-	-	-	850,000	-	850,000	Sanitary Sewer Enterprise (Unvoted)
2026 Annual Lining Contract	-	-	-	-	5,000,000	-	5,000,000	WPCLF/OWDA
2027 Annual Lining Contract	-	-	-	-	-	850,000	850,000	Sanitary Sewer Enterprise (Unvoted)
2027 Annual Lining Contract	-	-	-	-	-	5,000,000	5,000,000	WPCLF/OWDA
Sewer System Capacity Model update 2020	-	-	-	2,000,000	-	2,000,000	4,000,000	Sanitary Sewer Enterprise (Unvoted)
Sewer System Capacity Model update 2020	1,500,000	3,000,000	-	-	-	-	4,500,000	Voted 2016 Debt - Sanitary Sewer
Big Walnut Interceptor Lockbourne Subtrunk Canal Road Area	-	500,000	-	-	-	-	500,000	Voted 2019 Debt - Sanitary
Big Walnut Interceptor Lockbourne Subtrunk Canal Road Area	-	2,000,000	-	-	-	-	2,000,000	WPCLF/OWDA
Intermodal Sanitary Subtrunk Extension	1,750,000	-	-	-	-	-	1,750,000	Voted 2016 Debt - Sanitary Sewer
Intermodal Sanitary Subtrunk Extension - Phase 2	-	550,000	3,500,000	-	-	-	4,050,000	Voted 2019 Debt - Sanitary
Olentangy Main Trunk-Mt. Air	-	-	-	-	-	750,000	750,000	Sanitary Sewer Enterprise (Unvoted)
SMOC Inventory Control Consolidations	3,845,000	-	-	-	-	-	3,845,000	Voted 2016 Debt - Sanitary Sewer
Ohio State University Area Utility Easement Project	50,000	-	-	-	-	-	50,000	Voted 2016 Debt - Sanitary Sewer
60-05 Big Run/Hellbranch Subtrunk (Extension Reimbursement)	-	1,749,070	-	-	-	-	1,749,070	Voted 2019 Debt - Sanitary
DOSD Sanitary Pump Stations Evaluation and Upgrade	300,000	300,000	-	-	-	-	600,000	Voted 2016 Debt - Sanitary Sewer
DOSD Sanitary Pump Stations Evaluation and Upgrade	-	-	300,000	-	-	-	300,000	Voted 2019 Debt - Sanitary
DOSD Sanitary Pump Stations SA13 Evaluation & Upgrade	220,000	-	-	-	-	-	220,000	Voted 2016 Debt - Sanitary Sewer
DOSD Sanitary Pump Stations SA13 Evaluation & Upgrade	-	-	240,000	-	-	-	240,000	Voted 2019 Debt - Sanitary
DOSD Sanitary Pump Stations SA13 Evaluation & Upgrade	-	-	1,200,000	-	-	-	1,200,000	WPCLF/OWDA
DOSD Sanitary Pump Stations Construction	-	-	1,365,000	-	-	-	1,365,000	Voted 2019 Debt - Sanitary
DOSD Sanitary Pump Stations Construction	-	-	3,650,000	-	-	-	3,650,000	WPCLF/OWDA
Big Walnut Outfall (South) Rehabilitation	4,600,000	-	-	-	-	-	4,600,000	Voted 2016 Debt - Sanitary Sewer
Big Walnut Outfall (South) Rehabilitation	-	45,000,000	-	-	-	-	45,000,000	WPCLF/OWDA
Big Walnut Outfall (North) Rehabilitation	1,600,000	-	-	-	-	-	1,600,000	Voted 2016 Debt - Sanitary Sewer
Big Walnut Outfall (North) Rehabilitation	-	-	300,000	-	-	-	300,000	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	-	7,500,000	6,500,000	-	-	-	14,000,000	Voted 2019 Debt - Sanitary
Large Diameter Sewer Rehabilitation - Alum Creek Trunk South Section/Deshler Tunnel-Alum Creek Interceptor Sewer/Truro Sewers	1,160,000	-	-	-	-	-	1,160,000	Voted 2016 Debt - Sanitary Sewer
Large Diameter Sewer Rehabilitation - Alum Creek Trunk South Section/Deshler Tunnel-Alum Creek Interceptor Sewer/Truro Sewers	14,500,000	-	-	-	-	-	14,500,000	WPCLF/OWDA
OSIS Large Diameter Sewer Rehabilitation	150,000	-	-	-	-	-	150,000	Voted 2016 Debt - Sanitary Sewer
OSIS Large Diameter Sewer Rehabilitation	-	6,000,000	-	-	-	-	6,000,000	WPCLF/OWDA
Large Diameter - Blacklick Creek Main Trunk	6,250,000	-	-	-	-	-	6,250,000	WPCLF/OWDA
Near North & East Area Large Diameter Assessment - Phase 2	6,500,000	-	-	-	-	-	6,500,000	WPCLF/OWDA
Near North & East Area Large Diameter Assessment - Phase 3	700,000	1,650,000	-	-	-	-	2,350,000	Voted 2016 Debt - Sanitary Sewer
Near North & East Area Large Diameter Assessment - Phase 3	-	-	8,150,000	-	-	-	8,150,000	WPCLF/OWDA
Near North & East Area Large Diameter Assessment - Phase 4	-	-	-	1,000,000	-	-	1,000,000	Sanitary Sewer Enterprise (Unvoted)
Near North & East Area Large Diameter Assessment - Phase 4	-	-	-	4,750,000	-	-	4,750,000	WPCLF/OWDA
Alum Creek Trunk (South) - Phase 2	50,000	-	-	-	-	-	50,000	Voted 2016 Debt - Sanitary Sewer
Alum Creek Trunk (South) - Phase 2	-	-	848,283	-	-	-	848,283	Voted 2019 Debt - Sanitary
Alum Creek Trunk (South) - Phase 2	-	-	13,000,000	-	-	-	13,000,000	WPCLF/OWDA

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
Alum Creek Trunk (South) - Phase 3	-	-	-	800,000	-	-	800,000	Sanitary Sewer Enterprise (Unvoted)
Alum Creek Trunk (South) - Phase 3	-	726,717	-	-	-	-	726,717	Voted 2019 Debt - Sanitary
Alum Creek Trunk (South) - Phase 3	-	-	-	-	10,000,000	-	10,000,000	WPCLF/OWDA
Blacklick Creek Sanitary Subtrunk Rehabilitation	640,000	-	-	-	-	-	640,000	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	3,000,000	9,000,000	Sanitary Sewer Enterprise (Unvoted)
Annual Large Diameter Sewer Assessment	-	3,000,000	3,000,000	-	-	-	6,000,000	Voted 2019 Debt - Sanitary
Annual Large Diameter Sewer Assessment	-	-	10,312,000	10,312,000	10,312,000	10,312,000	41,248,000	WPCLF/OWDA
Big Walnut Trunk South Rehabilitation	-	-	-	-	900,000	-	900,000	Sanitary Sewer Enterprise (Unvoted)
Big Walnut Trunk South Rehabilitation	-	-	2,000,000	-	-	-	2,000,000	Voted 2019 Debt - Sanitary
Big Walnut Trunk South Rehabilitation	-	-	-	-	20,000,000	-	20,000,000	WPCLF/OWDA
Blacklick Creek Main Trunk (South) Rehabilitation - Phase 2	-	-	-	350,000	-	-	350,000	Sanitary Sewer Enterprise (Unvoted)
Blacklick Creek Main Trunk (South) Rehabilitation - Phase 2	-	300,000	-	-	-	-	300,000	Voted 2016 Debt - Sanitary Sewer
Blacklick Creek Main Trunk (South) Rehabilitation - Phase 2	-	-	-	3,000,000	-	-	3,000,000	WPCLF/OWDA
Scioto Main Area Large Diameter Sewer Rehabilitation	-	-	-	600,000	-	-	600,000	Sanitary Sewer Enterprise (Unvoted)
Scioto Main Area Large Diameter Sewer Rehabilitation	-	-	50,000	-	-	-	50,000	Voted 2019 Debt - Sanitary
Scioto Main Area Large Diameter Sewer Rehabilitation	-	-	-	4,000,000	-	-	4,000,000	WPCLF/OWDA
Scioto Main North Large Diameter Sewer Rehabilitation	700,000	1,320,000	-	-	-	-	2,020,000	Voted 2016 Debt - Sanitary Sewer
Scioto Main North Large Diameter Sewer Rehabilitation	-	6,600,000	-	-	-	-	6,600,000	WPCLF/OWDA
West Side Trunk Rehab-Phase 2	1,200,000	-	-	-	-	-	1,200,000	Voted 2016 Debt - Sanitary Sewer
West Side Trunk Rehab-Phase 2	-	6,000,000	-	-	-	-	6,000,000	WPCLF/OWDA
Alum Creek Trunk - Middle (Phase D) Sewer Rehabilitation	-	-	1,480,000	-	-	-	1,480,000	Sanitary Sewer Enterprise (Unvoted)
Alum Creek Trunk - Middle (Phase D) Sewer Rehabilitation	1,380,000	-	-	-	-	-	1,380,000	Voted 2016 Debt - Sanitary Sewer
Alum Creek Trunk - Middle (Phase D) Sewer Rehabilitation	-	-	-	13,800,000	-	-	13,800,000	WPCLF/OWDA
Near North & East Large Diameter Assessment-Phase 5	-	-	-	800,000	-	-	800,000	Sanitary Sewer Enterprise (Unvoted)
Near North & East Large Diameter Assessment-Phase 5	-	-	-	-	8,000,000	-	8,000,000	WPCLF/OWDA
2022 General Construction Contract	1,150,000	-	-	-	-	-	1,150,000	Voted 2016 Debt - Sanitary Sewer
2023 General Construction Contract	-	1,150,000	-	-	-	-	1,150,000	Voted 2019 Debt - Sanitary
2024 General Construction Contract	-	-	1,150,000	-	-	-	1,150,000	Voted 2019 Debt - Sanitary
2025 General Construction Contract	-	-	-	1,150,000	-	-	1,150,000	Sanitary Sewer Enterprise (Unvoted)
2026 General Construction Contract	-	-	-	-	1,150,000	-	1,150,000	Sanitary Sewer Enterprise (Unvoted)
2027 General Construction Contract	-	-	-	-	-	1,150,000	1,150,000	Sanitary Sewer Enterprise (Unvoted)
Third Ave Relief Sewer, Phase 3	3,331,000	-	-	-	-	-	3,331,000	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	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Sanitary Sewer
SMOC SCADA Communication Network Modernization	-	2,000,000	-	-	-	-	2,000,000	Voted 2019 Debt - Sanitary
SMOC SCADA Communication Network Modernization	-	-	-	4,800,000	-	-	4,800,000	WPCLF/OWDA
Inflow Redirection - Noble & 4th St	50,000	-	-	-	-	-	50,000	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 2016 Debt - Sanitary Sewer
Inflow Redirection - Kerr / Russell	3,000,000	-	-	-	-	-	3,000,000	WPCLF/OWDA
Inflow Redirection - Markison	839,000	1,424,300	-	-	-	-	2,263,300	Voted 2016 Debt - Sanitary Sewer
Inflow Redirection - Markison	-	19,000,000	-	-	-	-	19,000,000	WPCLF/OWDA
Construction Administration Services 2020 to 2022	100,000	-	-	-	-	-	100,000	Voted 2016 Debt - Sanitary Sewer
Construction Administration Services 2023 to 2025	-	-	-	100,000	-	-	100,000	Sanitary Sewer Enterprise (Unvoted)
Construction Administration Services 2023 to 2025	-	250,000	-	-	-	-	250,000	Voted 2016 Debt - Sanitary Sewer
Construction Administration Services 2023 to 2025	-	-	100,000	-	-	-	100,000	Voted 2019 Debt - Sanitary
Construction Administration Services 2026 to 2028	-	-	-	-	250,000	100,000	350,000	Sanitary Sewer Enterprise (Unvoted)
DSR 103 Closure - 5th by Northwest Blueprint Area	-	-	-	95,251	-	-	95,251	Sanitary Sewer Enterprise (Unvoted)
Bulkhead of 10" pipe Worthington to Clintonville Main Trunk Sewer - Clintonville 2	-	-	-	-	23,351	-	23,351	Sanitary Sewer Enterprise (Unvoted)
DSR 177 Closure - Miller Kelton Blueprint Area	-	-	-	-	95,251	-	95,251	Sanitary Sewer Enterprise (Unvoted)
Flow Redirection - Plum Ridge	-	-	-	-	-	134,000	134,000	Sanitary Sewer Enterprise (Unvoted)

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM									
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source	
West Franklinton Area Sewer Reconfiguration	750,000	-	-	-	-	-	750,000	Voted 2016 Debt - Sanitary Sewer	
West Franklinton Area Sewer Reconfiguration	-	-	600,000	-	-	-	600,000	Voted 2019 Debt - Sanitary	
West Franklinton Area Sewer Reconfiguration	-	-	-	6,000,000	-	-	6,000,000	WPCLF/OWDA	
Upsizing Sewer Pipes Project ID 2 Near South	190,000	-	-	-	-	-	190,000	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	45,000	-	-	-	-	-	45,000	Voted 2016 Debt - Sanitary Sewer	
Upsizing Sewer Pipes Project ID 3 Near South	440,000	-	-	-	-	-	440,000	WPCLF/OWDA	
Blueprint Hilltop - Palmetto/Westgate	2,000,000	-	-	-	-	-	2,000,000	WPCLF/OWDA	
Blueprint Hilltop - Eureka/Fremont	1,120,000	-	-	-	-	-	1,120,000	Voted 2016 Debt - Sanitary Sewer	
Blueprint Hilltop - Eureka/Fremont	8,060,000	-	-	-	-	-	8,060,000	WPCLF/OWDA	
Blueprint Miller Kelton - Newton/Bedford	-	1,000,000	-	-	-	-	1,000,000	WPCLF/OWDA	
Blueprint Miller Kelton - Kelton/Fairwood	5,304,500	-	-	-	-	-	5,304,500	WPCLF/OWDA	
Blueprint 5th Ave by Northwest - Northwest - Sunrise / Glenn	1,080,000	-	-	-	-	-	1,080,000	Voted 2016 Debt - Sanitary Sewer	
Blueprint 5th Ave by Northwest - Northwest - Sunrise / Glenn	6,500,000	-	-	-	-	-	6,500,000	WPCLF/OWDA	
Blueprint 5th Ave by Northwest - Edgemoor / Meadow	150,000	1,010,000	-	-	-	-	1,160,000	Voted 2016 Debt - Sanitary Sewer	
Blueprint 5th Ave by Northwest - Edgemoor / Meadow	-	4,776,000	-	-	-	-	4,776,000	WPCLF/OWDA	
Blueprint Winthrop / Milton Area Integrated Solutions	150,000	700,000	-	-	-	-	850,000	Voted 2016 Debt - Sanitary Sewer	
Blueprint Winthrop / Milton Area Integrated Solutions	-	3,700,000	-	-	-	-	3,700,000	WPCLF/OWDA	
Blueprint Dorris / Weber Area Integrated Solutions	-	860,000	-	-	-	-	860,000	Voted 2019 Debt - Sanitary	
Blueprint Dorris / Weber Area Integrated Solutions	-	6,800,000	-	-	-	-	6,800,000	WPCLF/OWDA	
Blueprint Fredonia / Piedmont Area Integrated Solutions	160,000	1,215,000	-	-	-	-	1,375,000	Voted 2016 Debt - Sanitary Sewer	
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 2019 Debt - Sanitary	
Blueprint Tulane / Findley Area Integrated Solutions	-	-	6,000,000	-	-	-	6,000,000	WPCLF/OWDA	
Blueprint Milford / Summit Area Integrated Solutions	25,000	437,091	-	-	-	-	462,091	Voted 2016 Debt - Sanitary Sewer	
Blueprint Milford / Summit Area Integrated Solutions	-	-	637,500	-	-	-	637,500	Voted 2019 Debt - Sanitary	
Blueprint Milford / Summit Area Integrated Solutions	-	-	4,250,000	-	-	-	4,250,000	WPCLF/OWDA	
Blueprint Olde Beechwood Area - Integrated Solutions	-	200,000	-	-	-	-	200,000	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	-	237,900	775,505	Sanitary Sewer Enterprise (Unvoted)	
Croswell / Beaumont Area Integrated Solutions	-	-	-	1,109,674	-	725,634	1,835,308	Sanitary Sewer Enterprise (Unvoted)	
Jeffrey / Sellers Area Integrated Solutions	-	-	-	1,327,418	-	705,000	2,032,418	Sanitary Sewer Enterprise (Unvoted)	
Blueprint Hilltop 4 - Highland / Harris	995,000	-	-	-	-	-	995,000	Voted 2016 Debt - Sanitary Sewer	
Blueprint Hilltop 4 - Highland / Harris	5,300,000	-	-	-	-	-	5,300,000	WPCLF/OWDA	
Green Infrastructure - Hilltop 2 Blueprint Area	-	-	-	-	-	3,606,972	3,606,972	Sanitary Sewer Enterprise (Unvoted)	
Blueprint W. Franklinton - Yale / Edwin	-	-	-	-	250,000	450,000	700,000	Sanitary Sewer Enterprise (Unvoted)	
Blueprint W. Franklinton - Yale / Edwin	-	-	500,000	-	-	-	500,000	Voted 2019 Debt - Sanitary	
Blueprint W. Franklinton - Yale / Edwin	-	-	-	-	-	3,000,000	3,000,000	WPCLF/OWDA	
Blueprint W. Franklinton - Green / Glenwood	-	-	-	-	200,000	500,000	700,000	Sanitary Sewer Enterprise (Unvoted)	
Blueprint W. Franklinton - Green / Glenwood	-	-	675,000	-	-	-	675,000	Voted 2019 Debt - Sanitary	
Blueprint W. Franklinton - Green / Glenwood	-	-	-	-	-	4,800,000	4,800,000	WPCLF/OWDA	
Green Infrastructure - James Livingston 4	-	-	-	-	100,000	-	100,000	Sanitary Sewer Enterprise (Unvoted)	
Blueprint Near South - Morrill/Ann Area Integrated Solutions	-	-	-	200,000	50,000	-	250,000	Sanitary Sewer Enterprise (Unvoted)	
Blueprint Near South - Morrill/Ann Area Integrated Solutions	699,140	-	-	-	-	-	699,140	Voted 2016 Debt - Sanitary Sewer	
Blueprint Near South - Morrill/Ann Area Integrated Solutions	-	-	-	-	3,556,650	-	3,556,650	WPCLF/OWDA	
Blueprint Near South - Champion/Roberts Area Integrated Solutions	-	-	-	200,000	1,308,375	-	1,508,375	Sanitary Sewer Enterprise (Unvoted)	
Blueprint Near South - Champion/Roberts Area Integrated Solutions	699,140	-	-	-	-	-	699,140	Voted 2016 Debt - Sanitary Sewer	
Blueprint Near South - Champion/Roberts Area Integrated Solutions	-	-	-	-	4,033,500	-	4,033,500	WPCLF/OWDA	
Blueprint Hilltop 1 Palmetto / Westgate Permeable Pavers	10,000,000	-	-	-	-	-	10,000,000	WPCLF/OWDA	
Blueprint Hilltop 1 Eureka / Fremont Permeable Pavers	5,920,000	-	-	-	-	-	5,920,000	WPCLF/OWDA	
Astor / Bernhard Integrated Solutions	543,541	279,015	-	-	-	-	822,556	Voted 2016 Debt - Sanitary Sewer	
Astor / Bernhard Integrated Solutions	-	-	150,000	-	-	-	150,000	Voted 2019 Debt - Sanitary	
Astor / Bernhard Integrated Solutions	-	-	2,790,150	-	-	-	2,790,150	WPCLF/OWDA	
Thurston / Grimsby Integrated Solutions	290,529	140,610	-	-	-	-	431,139	Voted 2016 Debt - Sanitary Sewer	
Thurston / Grimsby Integrated Solutions	-	-	150,000	-	-	-	150,000	Voted 2019 Debt - Sanitary	
Thurston / Grimsby Integrated Solutions	-	-	1,406,100	-	-	-	1,406,100	WPCLF/OWDA	

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM									
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source	
Gertrude / Lattimer Integrated Solutions	1,342,221	-	-	-	-	-	1,342,221	Voted 2016 Debt - Sanitary Sewer	
Gertrude / Lattimer Integrated Solutions	-	-	1,793,787	-	-	-	1,793,787	Voted 2019 Debt - Sanitary	
Gertrude / Lattimer Integrated Solutions	-	-	-	6,975,150	-	-	6,975,150	WPCLF/OWDA	
Plum Ridge Integrated Solutions	371,303	-	-	-	-	-	371,303	Voted 2016 Debt - Sanitary Sewer	
Plum Ridge Integrated Solutions	-	-	354,645	-	-	-	354,645	Voted 2019 Debt - Sanitary	
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 Miller Kelton - Kent/Fairwood Permeable Pavers	7,500,000	-	-	-	-	-	7,500,000	WPCLF/OWDA	
Roof Redirection - Blueprint Clintonville 3 Project 1	-	-	-	-	540,000	-	540,000	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Blueprint Clintonville 3 Project 1	-	-	-	-	3,600,000	-	3,600,000	WPCLF/OWDA	
Roof Redirection - Blueprint Clintonville 3 Project 2	-	-	-	-	540,000	-	540,000	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Blueprint Clintonville 3 Project 2	-	-	-	-	3,600,000	-	3,600,000	WPCLF/OWDA	
Roof Redirection - Blueprint Clintonville 3 Project 3	-	-	-	-	540,000	-	540,000	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Blueprint Clintonville 3 Project 3	-	-	-	-	-	3,600,000	3,600,000	WPCLF/OWDA	
Roof Redirection - Blueprint Clintonville 3 Project 4	-	-	-	-	-	540,000	540,000	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Blueprint Clintonville 3 Project 4	-	-	-	-	-	3,600,000	3,600,000	WPCLF/OWDA	
Roof Redirection - Blueprint Clintonville 3 Project 5	-	-	-	-	-	540,000	540,000	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Blueprint Clintonville 3 Project 5	-	-	-	-	-	3,600,000	3,600,000	WPCLF/OWDA	
Roof Redirection - Blueprint Clintonville 3 Project 6	-	-	-	-	-	540,000	540,000	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Blueprint Clintonville 3 Project 6	-	-	-	-	-	3,600,000	3,600,000	WPCLF/OWDA	
Roof Redirection - Blueprint Clintonville 3 Project 7	-	-	-	-	-	540,000	540,000	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Blueprint Clintonville 3 Project 7	-	-	-	-	-	3,600,000	3,600,000	WPCLF/OWDA	
Roof Redirection - Blueprint Clintonville 3 Project 8	-	-	-	-	-	540,000	540,000	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Blueprint North Linden 1, Agler Berrell	761,000	-	-	-	-	-	761,000	Voted 2016 Debt - Sanitary Sewer	
Roof Redirection - Blueprint North Linden 1, Agler Berrell	5,000,000	-	-	-	-	-	5,000,000	WPCLF/OWDA	
Roof Redirection - Blueprint North Linden 1, Artane Parkwood	625,000	-	-	-	-	-	625,000	Voted 2016 Debt - Sanitary Sewer	
Roof Redirection - Blueprint North Linden 1, Artane Parkwood	6,250,000	-	-	-	-	-	6,250,000	WPCLF/OWDA	
Roof Redirection - Blueprint North Linden 1, Oakland Park Area 1	421,418	-	-	-	-	-	421,418	Voted 2016 Debt - Sanitary Sewer	
Roof Redirection - Blueprint North Linden 1, Oakland Park Area 1	2,809,450	-	-	-	-	-	2,809,450	WPCLF/OWDA	
Roof Redirection - Blueprint North Linden 1, Oakland Park Area 2	-	353,294	-	-	-	-	353,294	Voted 2019 Debt - Sanitary	
Roof Redirection - Blueprint North Linden 1, Oakland Park Area 2	-	3,532,944	-	-	-	-	3,532,944	WPCLF/OWDA	
Roof Redirection - Blueprint North Linden 1, Hudson McGuffey Area 1	-	472,535	-	-	-	-	472,535	Voted 2019 Debt - Sanitary	
Roof Redirection - Blueprint North Linden 1, Hudson McGuffey Area 1	-	3,150,233	-	-	-	-	3,150,233	WPCLF/OWDA	
Roof Redirection - Blueprint North Linden 1, Hudson McGuffey Area 2	-	472,535	-	-	-	-	472,535	Voted 2019 Debt - Sanitary	
Roof Redirection - Blueprint North Linden 1, Hudson McGuffey Area 2	-	3,150,233	-	-	-	-	3,150,233	WPCLF/OWDA	
Roof Redirection - Blueprint North Linden 1, Hudson McGuffey Area 3	-	472,535	-	-	-	-	472,535	Voted 2019 Debt - Sanitary	
Roof Redirection - Blueprint North Linden 1, Hudson McGuffey Area 3	-	3,150,233	-	-	-	-	3,150,233	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	Voted 2019 Debt - Sanitary	
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	Voted 2019 Debt - Sanitary	
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 7	-	-	4,050,000	-	-	-	4,050,000	WPCLF/OWDA	

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM									
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source	
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 8	-	-	607,500	-	-	-	607,500	Voted 2019 Debt - Sanitary	
Blueprint Hilltop 1 Eureka / Fremont Roof Redirection Project 8	-	-	4,050,000	-	-	-	4,050,000	WPCLF/OWDA	
Roof Redirection - Hilltop 4, Phase 1	-	-	-	-	494,773	-	494,773	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Hilltop 4, Phase 1	-	-	-	-	3,298,488	-	3,298,488	WPCLF/OWDA	
Roof Redirection - Hilltop 4, Phase 2	-	-	-	-	494,773	-	494,773	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Hilltop 4, Phase 2	-	-	-	-	3,298,488	-	3,298,488	WPCLF/OWDA	
Roof Redirection - Hilltop 4, Phase 3	-	-	-	-	494,773	-	494,773	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Hilltop 4, Phase 3	-	-	-	-	3,298,488	-	3,298,488	WPCLF/OWDA	
Roof Redirection - Hilltop 4, Phase 4	-	-	-	-	494,773	-	494,773	Sanitary Sewer Enterprise (Unvoted)	
Roof Redirection - Hilltop 4, Phase 4	-	-	-	-	3,298,488	-	3,298,488	WPCLF/OWDA	
Blueprint Miller-Kelton New ton / Bedford Roof Redirection Project 1	-	-	525,000	-	-	-	525,000	Voted 2019 Debt - Sanitary	
Blueprint Miller-Kelton New ton / Bedford Roof Redirection Project 1	-	-	3,500,000	-	-	-	3,500,000	WPCLF/OWDA	
Blueprint Miller-Kelton New ton / Bedford Roof Redirection Project 2	-	-	525,000	-	-	-	525,000	Voted 2019 Debt - Sanitary	
Blueprint Miller-Kelton New ton / 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	
BP Near South Roof Redirection 1	-	-	-	-	-	519,829	519,829	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint Clintonville 3 Project 1	-	-	-	-	502,000	-	502,000	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint Clintonville 3 Project 1	-	-	-	-	3,345,000	-	3,345,000	WPCLF/OWDA	
Lateral Lining - Blueprint Clintonville 3 Project 2	-	-	-	-	502,000	-	502,000	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint Clintonville 3 Project 2	-	-	-	-	3,345,000	-	3,345,000	WPCLF/OWDA	
Lateral Lining - Blueprint Clintonville 3 Project 3	-	-	-	-	502,000	-	502,000	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint Clintonville 3 Project 3	-	-	-	-	-	3,345,000	3,345,000	WPCLF/OWDA	
Lateral Lining - Blueprint Clintonville 3 Project 4	-	-	-	-	-	502,000	502,000	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint Clintonville 3 Project 4	-	-	-	-	-	3,345,000	3,345,000	WPCLF/OWDA	
Lateral Lining - Blueprint Clintonville 3 Project 5	-	-	-	-	-	502,000	502,000	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint Clintonville 3 Project 5	-	-	-	-	-	3,345,000	3,345,000	WPCLF/OWDA	
Lateral Lining - Blueprint Clintonville 3 Project 6	-	-	-	-	-	502,000	502,000	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint Clintonville 3 Project 6	-	-	-	-	-	3,345,000	3,345,000	WPCLF/OWDA	
Lateral Lining - Blueprint Clintonville 3 Project 7	-	-	-	-	-	502,000	502,000	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint Clintonville 3 Project 7	-	-	-	-	-	3,345,000	3,345,000	WPCLF/OWDA	
Lateral Lining - Blueprint Clintonville 3 Project 8	-	-	-	-	-	502,000	502,000	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint North Linden 1, Agler Berrell	706,388	-	-	-	-	-	706,388	Voted 2016 Debt - Sanitary Sewer	
Lateral Lining - Blueprint North Linden 1, Agler Berrell	4,709,250	-	-	-	-	-	4,709,250	WPCLF/OWDA	
Lateral Lining - Blueprint North Linden 1, Artane Parkwood	-	-	-	413,741	-	-	413,741	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Blueprint North Linden 1, Oakland Park Medina	782,633	-	-	-	-	-	782,633	Voted 2016 Debt - Sanitary Sewer	
Lateral Lining - Blueprint North Linden 1, Oakland Park Medina	5,217,550	-	-	-	-	-	5,217,550	WPCLF/OWDA	
Lateral Lining - Blueprint North Linden 1, Hudson McGuffey	-	1,316,348	-	-	-	-	1,316,348	Voted 2019 Debt - Sanitary	
Lateral Lining - Blueprint North Linden 1, Hudson McGuffey	-	8,755,650	-	-	-	-	8,755,650	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	-	-	-	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	Voted 2019 Debt - Sanitary	
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 6	-	-	3,800,000	-	-	-	3,800,000	WPCLF/OWDA	

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM									
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source	
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 7	-	-	570,000	-	-	-	570,000	Voted 2019 Debt - Sanitary	
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	Voted 2019 Debt - Sanitary	
Blueprint Hilltop 1 Eureka / Fremont Lateral Lining Project 8	-	-	3,800,000	-	-	-	3,800,000	WPCLF/OWDA	
Lateral Lining - Hilltop 4, Phase 1	-	-	-	-	459,432	-	459,432	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Hilltop 4, Phase 1	-	-	-	-	3,062,881	-	3,062,881	WPCLF/OWDA	
Lateral Lining - Hilltop 4, Phase 2	-	-	-	-	459,432	-	459,432	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Hilltop 4, Phase 2	-	-	-	-	3,062,881	-	3,062,881	WPCLF/OWDA	
Lateral Lining - Hilltop 4, Phase 3	-	-	-	-	459,432	-	459,432	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Hilltop 4, Phase 3	-	-	-	-	3,062,881	-	3,062,881	WPCLF/OWDA	
Lateral Lining - Hilltop 4, Phase 4	-	-	-	-	459,432	-	459,432	Sanitary Sewer Enterprise (Unvoted)	
Lateral Lining - Hilltop 4, Phase 4	-	-	-	-	3,062,881	-	3,062,881	WPCLF/OWDA	
Blueprint Miller-Kelton Newton / Bedford Lateral Lining Project 1	-	-	487,500	-	-	-	487,500	Voted 2019 Debt - Sanitary	
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	Voted 2019 Debt - Sanitary	
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	
BP Near South Lateral Lining 1	-	-	-	-	-	482,698	482,698	Sanitary Sewer Enterprise (Unvoted)	
Mainline Lining - Clintonville 2 Blueprint Area	-	-	-	440,000	440,000	-	880,000	Sanitary Sewer Enterprise (Unvoted)	
Mainline Lining - Clintonville 2 Blueprint Area	-	-	-	5,788,486	-	-	5,788,486	WPCLF/OWDA	
Mainline Lining - Hilltop 2 Blueprint Area	-	-	-	-	1,145,250	-	1,145,250	Sanitary Sewer Enterprise (Unvoted)	
Mainline Lining - Hilltop 2 Blueprint Area	-	-	-	-	-	7,635,302	7,635,302	WPCLF/OWDA	
Mainline Lining - James Livingston 5 Blueprint Area	-	-	13,689,481	-	-	-	13,689,481	WPCLF/OWDA	
Mainline Lining - Plum Ridge Blueprint Area	-	-	126,717	-	-	-	126,717	Sanitary Sewer Enterprise (Unvoted)	
Mainline Lining - Plum Ridge Blueprint Area	-	126,717	1,344,423	-	-	-	1,471,140	Voted 2019 Debt - Sanitary	
Mainline Lining - Plum Ridge Blueprint Area	-	-	2,289,096	-	-	-	2,289,096	WPCLF/OWDA	
Volunteer Sump Pump Program - Clintonville 2 Blueprint Area	-	-	-	-	-	7,544,863	7,544,863	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint North Linden 1, Phase 3	-	1,388,625	-	-	-	-	1,388,625	Voted 2019 Debt - Sanitary	
Volunteer Sump Pump Program - Blueprint North Linden 1, Phase 4	-	-	2,082,938	-	-	-	2,082,938	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint Clintonville 3 Project 1	925,750	-	-	-	-	-	925,750	Voted 2016 Debt - Sanitary Sewer	
Volunteer Sump Pump Program - Blueprint Clintonville 3 Project 2	-	-	2,379,178	-	-	-	2,379,178	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint Clintonville 3 Project 3	-	-	-	-	-	2,379,178	2,379,178	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pumps - Clintonville 1, Phase 4	917,700	-	-	-	-	-	917,700	Voted 2016 Debt - Sanitary Sewer	
Volunteer Sump Pump Program - Blueprint 5th by Northwest	-	-	-	-	462,875	-	462,875	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint Hilltop 4, Phase 1	462,875	-	-	-	-	-	462,875	Voted 2016 Debt - Sanitary Sewer	
Volunteer Sump Pump Program - Blueprint Hilltop 4, Phase 2	-	805,000	-	-	-	805,000	805,000	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint Hilltop 4, Phase 2	-	-	-	-	-	-	805,000	Voted 2019 Debt - Sanitary	
Blueprint Hilltop 1 Volunteer Sump Pump Program Project 3	-	-	1,851,500	-	-	-	1,851,500	Sanitary Sewer Enterprise (Unvoted)	
Blueprint Hilltop 1 Volunteer Sump Pump Program Project 4	-	-	-	1,851,500	2,249,573	-	4,101,073	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint West Franklinton, Phase 1	-	-	925,750	-	-	-	925,750	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint West Franklinton, Phase 2	-	-	-	-	-	120,750	120,750	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint West Franklinton, Phase 2	-	120,750	-	-	-	-	120,750	Voted 2016 Debt - Sanitary Sewer	
Volunteer Sump Pump Program - Blueprint James Livingston 5, Phase 1	-	271,314	-	-	-	-	271,314	Voted 2016 Debt - Sanitary Sewer	
Volunteer Sump Pump Program - Blueprint James Livingston 5, Phase 1	-	829,986	-	-	-	-	829,986	Voted 2019 Debt - Sanitary	
Volunteer Sump Pump Program - Blueprint James Livingston 5, Phase 2	-	-	-	1,388,625	-	-	1,388,625	Sanitary Sewer Enterprise (Unvoted)	
Volunteer Sump Pump Program - Blueprint James Livingston 5, Phase 3	-	-	-	-	-	1,758,925	1,758,925	Sanitary Sewer Enterprise (Unvoted)	
Blueprint Miller/Kelton Volunteer Sump Pump Program Project 2	-	-	-	-	1,444,170	-	1,444,170	Sanitary Sewer Enterprise (Unvoted)	
BP Near South Volunteer Sump Pump 1	-	-	925,750	-	-	-	925,750	Sanitary Sewer Enterprise (Unvoted)	
BP Near South Volunteer Sump Pump 2	-	-	-	-	462,875	-	462,875	Sanitary Sewer Enterprise (Unvoted)	
Blueprint Professional Construction Management Services	-	-	2,700,000	2,700,000	1,900,000	1,100,000	8,400,000	Sanitary Sewer Enterprise (Unvoted)	
Blueprint Professional Construction Management Services	-	1,600,000	-	-	-	-	1,600,000	Voted 2019 Debt - Sanitary	
Blueprint Linden 1 Professional Construction Management Services	-	1,200,000	-	-	-	-	1,200,000	Voted 2019 Debt - Sanitary	
Blueprint Hilltop/Miller Kelton Professional Construction Management Services	800,000	1,100,000	-	-	-	-	1,900,000	Voted 2016 Debt - Sanitary Sewer	

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
Scioto Main Sanitary Pump Stations	5,100,000	-	-	-	-	-	5,100,000	Voted 2016 Debt - Sanitary Sewer
Scioto Main Sanitary Pump Stations	12,500,000	-	-	-	-	-	12,500,000	WPCLF/OWDA
Scioto Main Sanitary Trunk Sewer Rehabilitation	100,000	1,784,000	-	-	-	-	1,884,000	Voted 2016 Debt - Sanitary Sewer
Scioto Main Sanitary Trunk Sewer Rehabilitation	-	22,300,000	-	-	-	-	22,300,000	WPCLF/OWDA
Meeklynn Drive Area Sanitary Sewer	1,500,000	-	-	-	-	-	1,500,000	WPCLF/OWDA
HSTS Elimination Program	-	-	-	500,000	1,000,000	500,000	2,000,000	Sanitary Sewer Enterprise (Unvoted)
HSTS Elimination Program	-	-	-	-	2,000,000	2,000,000	4,000,000	WPCLF/OWDA
Community Park / Maple Canyon HSTS Elimination Project	-	200,000	-	-	-	-	200,000	Voted 2019 Debt - Sanitary
Community Park / Maple Canyon HSTS Elimination Project	1,800,000	-	-	-	-	-	1,800,000	WPCLF/OWDA
Barnett / E Deshler HSTS Elimination Project	12,500	-	-	-	-	-	12,500	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	-	-	120,000	-	-	-	120,000	Sanitary Sewer Enterprise (Unvoted)
Olentangy River Rd / Snouffer Rd HSTS Elimination Project	200,000	100,000	-	-	-	-	300,000	Voted 2016 Debt - Sanitary Sewer
Olentangy River Rd / Snouffer Rd HSTS Elimination Project	-	-	850,000	-	-	-	850,000	WPCLF/OWDA
Sunbury Rd / Mock Rd HSTS Elimination Project	-	150,000	560,000	-	-	-	710,000	Voted 2019 Debt - Sanitary
Sunbury Rd / Mock Rd HSTS Elimination Project	-	4,000,000	-	-	-	-	4,000,000	WPCLF/OWDA
Spangler Rd / Williams Rd HSTS Elimination Project	-	-	-	270,000	-	-	270,000	Sanitary Sewer Enterprise (Unvoted)
Spangler Rd / Williams Rd HSTS Elimination Project	-	270,000	100,000	-	-	-	370,000	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	100,000	200,000	-	500,000	Sanitary Sewer Enterprise (Unvoted)
Lockbourne Rd / Williams Rd HSTS Elimination Project	-	-	-	-	1,500,000	-	1,500,000	WPCLF/OWDA
Blueprint Affordability Update	500,000	-	-	-	-	-	500,000	Voted 2016 Debt - Sanitary Sewer
CLINTON SEWER DISTRICT NUMBER 3 TRUNK SEWER SIPHON UPGRADE	1,750,000	-	-	-	-	-	1,750,000	Voted 2016 Debt - Sanitary Sewer
DOSD Specialized Vehicle/Equipment	1,595,000	-	-	-	-	-	1,595,000	Voted 2016 Debt - Sanitary Sewer
Subtotal - SANITARY SEWERS	\$ 285,926,670	\$ 340,681,235	\$ 317,760,798	\$ 294,433,227	\$ 272,746,966	\$ 188,789,051	\$ 1,700,337,947	
ELECTRICITY								
60 URF Funded Street Lighting Projects (Urban Infrastructure Recovery Fund)	\$ 505,000	\$ 505,000	\$ 505,000	\$ 505,000	\$ 505,000	\$ 505,000	\$ 3,030,000	Councilmanic SIT Supported
DOP Streetlight Program	-	-	-	-	-	1,000,000	1,000,000	Electricity Enterprise (Unvoted)
Conversion to 3 Wire	-	-	300,000	300,000	-	-	600,000	Electricity Enterprise (Unvoted)
Conversion to 3 Wire	300,000	300,000	-	-	-	-	600,000	Voted 2016 Debt - Electricity
Jackson Pike Substation DT-2M Transformer	-	-	-	-	956,738	-	956,738	Electricity Enterprise (Unvoted)
Jackson Pike Substation DT-2M Transformer	-	-	-	-	543,262	-	543,262	Voted 2019 Debt - Electricity
Jackson Pike Substation DT-1E Transformer Replacement	-	-	-	1,500,000	-	-	1,500,000	Voted 2019 Debt - Electricity
Furnace St. Substation DT-1 Transformer Replacement	-	-	-	-	-	1,250,000	1,250,000	Electricity Enterprise (Unvoted)
Voltage Conversion - 2025	-	-	-	1,000,000	-	-	1,000,000	Voted 2019 Debt - Electricity
Voltage Conversion - 2026	-	-	-	-	1,000,000	-	1,000,000	Electricity Enterprise (Unvoted)
Voltage Conversion - 2027	-	-	-	-	-	1,000,000	1,000,000	Electricity Enterprise (Unvoted)
Circuit 14054 Reliability Improvements	-	3,250,000	-	-	-	-	3,250,000	Voted 2016 Debt - Electricity
Circuit 14043 Reliability Improvements - Phase 1	-	-	2,300,000	-	-	-	2,300,000	Voted 2019 Debt - Electricity
Circuit 14043 Reliability Improvements - Phase 2	-	-	-	2,300,000	-	-	2,300,000	Voted 2019 Debt - Electricity
Circuit 7221 Reliability Improvements	-	-	-	-	2,500,000	-	2,500,000	Electricity Enterprise (Unvoted)
Fitzroy & Morse Rd Street Lighting	-	-	-	-	116,800	-	116,800	Voted 2019 Debt - Electricity
Clime Rd. Street Lighting	-	250,000	-	-	-	-	250,000	Voted 2016 Debt - Electricity
Clime Rd. Street Lighting	-	-	-	550,000	-	-	550,000	Voted 2019 Debt - Electricity
Saw mill Road Streetlighting	100,000	-	-	-	-	-	100,000	Voted 2016 Debt - Electricity
Saw mill Road Streetlighting	-	-	700,000	-	-	-	700,000	Voted 2019 Debt - Electricity
Westerville Road Street Lighting	-	-	-	-	-	444,000	444,000	Electricity Enterprise (Unvoted)
Smoky Row Street Lighting	-	-	-	-	-	636,540	636,540	Electricity Enterprise (Unvoted)
GENERAL ENGINEERING CONTRACT 2019 - 2022	150,000	150,000	-	-	-	-	300,000	Voted 2016 Debt - Electricity
GENERAL ENGINEERING CONTRACT 2022-2025	-	-	150,000	150,000	150,000	-	450,000	Voted 2019 Debt - Electricity
2020 - 2022 - General CA/CI - Power	100,000	100,000	-	-	-	-	200,000	Voted 2016 Debt - Electricity
2023 - 2025 - General CA/CI - Power	-	-	-	-	-	100,000	100,000	Electricity Enterprise (Unvoted)
2023 - 2025 - General CA/CI - Power	-	-	100,000	100,000	100,000	-	300,000	Voted 2019 Debt - Electricity
Circuit 237 Street Lighting Improvement Upgrade	-	-	-	-	-	1,785,172	1,785,172	Electricity Enterprise (Unvoted)

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM									
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source	
Smart Lighting Phase Two	3,100,000	-	-	-	-	-	3,100,000	Voted 2016 Debt - Electricity	
Smart Lighting Phase Three	-	400,000	-	-	-	-	400,000	Voted 2016 Debt - Electricity	
Smart Lighting Phase Three	-	-	3,100,000	-	-	-	3,100,000	Voted 2019 Debt - Electricity	
Smart Lighting Phase Four	400,000	-	-	-	-	-	400,000	Voted 2016 Debt - Electricity	
Smart Lighting Phase Four	-	-	-	3,100,000	-	-	3,100,000	Voted 2019 Debt - Electricity	
Smart Lighting Phase Five	-	-	400,000	-	3,100,000	-	3,500,000	Voted 2019 Debt - Electricity	
Smart Lighting Phase Six	-	-	-	-	-	3,100,000	3,100,000	Electricity Enterprise (Unvoted)	
Smart Lighting Phase Six	-	-	-	400,000	-	-	400,000	Voted 2019 Debt - Electricity	
Substation Relay Upgrades	200,000	200,000	-	-	-	-	400,000	Voted 2016 Debt - Electricity	
SCADA System Replacement	380,000	-	-	-	-	-	380,000	Voted 2016 Debt - Electricity	
Circuit 576 Street Lighting Improvements	-	-	-	120,000	1,000,000	-	1,120,000	Voted 2019 Debt - Electricity	
Circuit 577 Street Lighting Improvements	-	-	180,000	900,000	-	-	1,080,000	Voted 2019 Debt - Electricity	
Circuit 23 Street Lighting Improvements	-	-	-	85,000	750,000	-	835,000	Voted 2019 Debt - Electricity	
McNaughton Road Street Lights	-	-	100,000	745,000	-	-	845,000	Voted 2019 Debt - Electricity	
Noe Bixby Road Street Lights	550,000	-	-	-	-	-	550,000	Voted 2016 Debt - Electricity	
Refugee Road Street Lights	550,000	-	-	-	-	-	550,000	Voted 2016 Debt - Electricity	
Circuit 79 Street Lighting Improvements	90,000	640,000	-	-	-	-	730,000	Voted 2016 Debt - Electricity	
Circuit 157 Street Lighting Improvements	850,000	-	-	-	-	-	850,000	Voted 2016 Debt - Electricity	
Circuits 128 and 80 Street Lighting Improvements	460,000	-	-	-	-	-	460,000	Voted 2016 Debt - Electricity	
Circuits 574 and 772 Street Lighting Improvements	-	135,000	1,035,000	-	-	-	1,170,000	Voted 2019 Debt - Electricity	
Jackson Pkce Substation Modernization	-	3,580,000	-	-	-	-	3,580,000	Voted 2016 Debt - Electricity	
Jackson Pkce Substation Modernization	-	89,938	-	-	-	-	89,938	Voted 2019 Debt - Electricity	
Small Circuit Streetlight Replacement	225,000	-	-	-	-	-	225,000	Voted 2016 Debt - Electricity	
Subtotal - ELECTRICITY	\$ 7,960,000	\$ 9,599,938	\$ 8,870,000	\$ 11,755,000	\$ 10,721,800	\$ 9,820,712	\$ 58,727,450		
WATER									
Misc. Erosion Control	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	200,000	Voted 2019 Debt - Water	
Misc. Erosion Control	-	-	-	1,000,000	1,000,000	1,000,000	3,000,000	Water Enterprise (Unvoted)	
Misc. Erosion Control - Hoover (Weiss Road)	500,000	-	-	-	-	-	500,000	Voted 2016 Debt - Water	
Miscellaneous Water Facilities	100,000	-	-	-	-	-	100,000	Voted 2016 Debt - Water	
Miscellaneous Water Facilities	-	100,000	100,000	-	-	-	200,000	Voted 2019 Debt - Water	
Miscellaneous Water Facilities	-	-	-	100,000	100,000	100,000	300,000	Water Enterprise (Unvoted)	
Indianola Facility Improvements	-	1,500,000	21,200,000	-	-	-	22,700,000	Voted 2019 Debt - Water	
Distribution Maintenance Area Imp's	-	400,000	-	-	-	-	400,000	Voted 2019 Debt - Water	
910 Dublin Road Garage Roof Replacement	-	1,500,000	-	-	-	-	1,500,000	Voted 2019 Debt - Water	
Rinehart Public Utilities Complex Exterior Site Improvements - Ph. 2	-	-	-	500,000	-	6,800,000	7,300,000	Water Enterprise (Unvoted)	
Water Main Rehabilitation	5,550,000	-	-	-	-	-	5,550,000	Voted 2016 Debt - Water	
Water Main Rehabilitation	-	4,000,000	4,000,000	-	-	-	8,000,000	Voted 2019 Debt - Water	
Water Main Rehabilitation	-	-	-	20,000,000	23,000,000	23,000,000	66,000,000	WSRLA Loan	
Water Main Rehabilitation	-	-	-	12,000,000	12,000,000	12,000,000	36,000,000	Water Enterprise (Unvoted)	
Atwood Terrace Area WL Imp's	400,000	-	-	-	-	-	400,000	Voted 2016 Debt - Water	
Atwood Terrace Area WL Imp's	3,500,000	-	-	-	-	-	3,500,000	WSRLA Loan	
Greenway Ave. Area WL Imp's	400,000	-	-	-	-	-	400,000	Voted 2016 Debt - Water	
Greenway Ave. Area WL Imp's	3,000,000	-	-	-	-	-	3,000,000	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	
Homestead Drive Area Water Line Improvements (fka #59)	400,000	-	-	-	-	-	400,000	Voted 2016 Debt - Water	
Homestead Drive Area Water Line Improvements (fka #59)	3,800,000	-	-	-	-	-	3,800,000	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 Imp's (fka #61)	400,000	-	-	-	-	-	400,000	Voted 2016 Debt - Water	
Roswell Drive Area Water Line Imp's (fka #61)	3,500,000	-	-	-	-	-	3,500,000	WSRLA Loan	
Livingston Ave Phase B W.L. Imp's	-	100,000	-	-	-	-	100,000	Voted 2019 Debt - Water	
Transite Pipe Replacement	3,950,000	-	-	-	-	-	3,950,000	Voted 2016 Debt - Water	
Manchester Avenue WL Imp's	150,000	-	-	-	-	-	150,000	Voted 2016 Debt - Water	
Manchester Avenue WL Imp's	1,000,000	-	-	-	-	-	1,000,000	WSRLA Loan	

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
Sunrise Glenn WL Imp's	465,000	-	-	-	-	-	465,000	Voted 2016 Debt - Water
New ton/Bedford WL Imp's	-	500,000	-	-	-	-	500,000	WSRLA Loan
Brixham Rd. WL Imp's	-	450,000	-	-	-	-	450,000	Voted 2019 Debt - Water
Brixham Rd. WL Imp's	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Miller Ave. Area WL Imp's	-	450,000	-	-	-	-	450,000	Voted 2019 Debt - Water
Miller Ave. Area WL Imp's	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Roosevelt Ave. Area WL Imp's	450,000	-	-	-	-	-	450,000	Voted 2016 Debt - Water
Roosevelt Ave. Area WL Imp's	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Norris Drive Area Water Line Imp's	450,000	-	-	-	-	-	450,000	Voted 2016 Debt - Water
Norris Drive Area Water Line Imp's	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Riverview Drive Area Water Line Imp's	-	450,000	-	-	-	-	450,000	Voted 2019 Debt - Water
Riverview Drive Area Water Line Imp's	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Saw mill Place Blvd. Area WL Imp's	-	450,000	-	-	-	-	450,000	Voted 2019 Debt - Water
Saw mill Place Blvd. Area WL Imp's	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Wellington Blvd Area Water Line Imp's	300,000	450,000	-	-	-	-	750,000	Voted 2016 Debt - Water
Wellington Blvd Area Water Line Imp's	-	-	-	3,000,000	-	-	3,000,000	WSRLA Loan
Lee Ellen Place Area Water Line Imp's	300,000	450,000	-	-	-	-	750,000	Voted 2016 Debt - Water
Lee Ellen Place Area Water Line Imp's	-	3,000,000	-	-	-	-	3,000,000	WSRLA Loan
Bluefield Drive Area Water Line Imp's	300,000	450,000	-	-	-	-	750,000	Voted 2016 Debt - Water
Bluefield Drive Area Water Line Imp's	-	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	-	-	3,000,000	-	-	-	3,000,000	WSRLA Loan
Project No. 71 W.M. Replacement	-	-	450,000	-	-	-	450,000	Water Enterprise (Unvoted)
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
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 2019 Debt - Water
Eureka-Fremont Area Water Line Improvements	1,500,000	-	-	-	-	-	1,500,000	WSRLA Loan
Kent-Fairwood Area Water Line Improvements	1,000,000	-	-	-	-	-	1,000,000	WSRLA Loan
Palmetto/Westgate Water Line Improvements	2,000,000	-	-	-	-	-	2,000,000	WSRLA Loan
Cassady Ave. Water Line Improvements	-	460,000	-	-	-	-	460,000	Voted 2019 Debt - Water
Moler St Area WL Improvements	-	200,000	-	-	-	-	200,000	Voted 2019 Debt - Water
English Way Water Line Imp's	200,000	-	-	-	-	-	200,000	Voted 2016 Debt - Water
O'Shaughnessy Dam FERC Independent Consultant Review	450,000	-	-	-	-	-	450,000	Voted 2016 Debt - Water
O'Shaughnessy Dam 9th FERC Independent Consultant Review	-	-	100,000	-	-	-	100,000	Voted 2019 Debt - Water
O'Shaughnessy Dam 9th FERC Independent Consultant Review	-	-	-	100,000	-	-	100,000	Water Enterprise (Unvoted)

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
DRWP Miscellaneous Improvements	150,700	125,000	-	-	-	-	275,700	Voted 2016 Debt - Water
DRWP Miscellaneous Improvements	-	-	125,000	150,000	150,000	150,000	575,000	Water Enterprise (Unvoted)
DRWP Misc. Imp's - Exterior Door and Window Replacement	-	-	1,500,000	-	-	-	1,500,000	Water Enterprise (Unvoted)
DRWP Misc. Imp's - Educational Signage & Displays	-	-	250,000	-	-	-	250,000	Voted 2019 Debt - Water
DRWP Misc. Imp's - Basin Clarifier Rehab	1,400,000	-	-	-	-	-	1,400,000	Voted 2016 Debt - Water
HCWP Misc. Improvements	125,000	125,000	-	-	-	-	250,000	Voted 2016 Debt - Water
HCWP Misc. Improvements	-	-	125,000	-	-	-	125,000	Voted 2019 Debt - Water
HCWP Misc. Improvements	-	-	-	150,000	150,000	150,000	450,000	Water Enterprise (Unvoted)
HCWP Misc Imp's - Raw Water Screen Replacement	-	-	-	-	-	4,000,000	4,000,000	WSRLA Loan
HCWP Misc Imp's - Raw Water Screen Replacement	-	-	-	600,000	-	600,000	1,200,000	Water Enterprise (Unvoted)
HCWP Misc Imp's- Restroom Imp's	-	-	350,000	-	-	-	350,000	Voted 2019 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	Water Enterprise (Unvoted)
HCWP Misc. Improvements - Roof Improvements	-	-	300,000	-	-	-	300,000	Water Enterprise (Unvoted)
PAWP Facility Misc. Improvements	125,000	125,000	-	-	-	-	250,000	Voted 2016 Debt - Water
PAWP Facility Misc. Improvements	-	-	125,000	-	-	-	125,000	Voted 2019 Debt - Water
PAWP Facility Misc. Improvements	-	-	-	5,000,000	150,000	150,000	5,300,000	Water Enterprise (Unvoted)
PAWP Misc. Imp's - Control Room Renovation	-	350,000	-	-	-	-	350,000	Voted 2019 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	-	-	750,000	-	-	-	750,000	Voted 2019 Debt - Water
PAWP Misc. Imp's - Laboratory Renovation	-	-	2,500,000	-	-	-	2,500,000	WSRLA Loan
PAWP Misc. Imp's - Roof Renovations - Part 1	-	800,000	-	-	-	-	800,000	Voted 2019 Debt - Water
McKinley Avenue Quarry Misc. Improvements 2021	1,000,000	-	-	-	-	-	1,000,000	Voted 2016 Debt - Water
Automatic Meter Reading	1,900,000	1,900,000	-	-	-	-	3,800,000	Voted 2016 Debt - Water
Automatic Meter Reading	-	-	1,900,000	-	-	-	1,900,000	Voted 2019 Debt - Water
Automatic Meter Reading - Equipment 2019	30,000,000	-	-	-	-	-	30,000,000	WSRLA Loan
Watershed Roadway Improvements - Part 5	175,000	250,000	-	-	-	-	425,000	Voted 2016 Debt - Water
Watershed Roadway Improvements - Part 5	-	-	50,000	-	-	-	50,000	Water Enterprise (Unvoted)
Watershed Roadway Improvements - Part 6	-	-	-	-	750,000	-	750,000	Water Enterprise (Unvoted)
HCWP Basin Concrete Rehab.	-	1,500,000	-	-	-	-	1,500,000	Voted 2019 Debt - Water
HCWP Pump Improvements	200,000	225,000	-	-	-	-	425,000	Voted 2016 Debt - Water
HCWP Pump Improvements	-	-	225,000	-	-	-	225,000	Voted 2019 Debt - Water
HCWP Pump Improvements	-	-	-	225,000	225,000	225,000	675,000	Water Enterprise (Unvoted)
Water Meter Renewal	200,000	200,000	-	-	-	-	400,000	Voted 2016 Debt - Water
Water Meter Renewal	-	-	2,500,000	-	-	-	2,500,000	Voted 2019 Debt - Water
Water Meter Renewal	-	-	-	2,500,000	2,500,000	2,500,000	7,500,000	Water Enterprise (Unvoted)
Valve Renewal Program	-	2,000,000	-	-	-	-	2,000,000	Voted 2019 Debt - Water
Valve Renewal Program	-	-	-	2,000,000	-	2,000,000	4,000,000	Water Enterprise (Unvoted)
Watershed Misc. Improv. Facilities	125,000	125,000	-	-	-	-	250,000	Voted 2016 Debt - Water
Watershed Misc. Improv. Facilities	-	-	125,000	-	-	-	125,000	Voted 2019 Debt - Water
Watershed Misc. Improv. Facilities	-	-	-	125,000	125,000	125,000	375,000	Water Enterprise (Unvoted)
Hoover Dam Imp's - Part 2	300,000	700,000	-	-	-	-	1,000,000	Voted 2016 Debt - Water
Hoover Dam Imp's - Part 2	-	-	7,800,000	-	-	-	7,800,000	Voted 2019 Debt - Water
Watershed Misc. Imp's - Hoover Maintenance Complex Fuel System	-	-	-	750,000	-	-	750,000	Water Enterprise (Unvoted)
Watershed Protection Easements	50,000	50,000	-	-	-	-	100,000	Voted 2016 Debt - Water
Watershed Protection Easements	-	-	50,000	-	-	-	50,000	Voted 2019 Debt - Water
Watershed Protection Easements	-	-	-	50,000	50,000	-	100,000	Water Enterprise (Unvoted)
O'Shaughnessy Hydroelectric Imps	1,687,186	-	-	-	-	-	1,687,186	Voted 2016 Debt - Water
Gen1 Eng Svcs - Supply Group 2021A	400,000	400,000	-	-	-	-	800,000	Voted 2016 Debt - Water
Gen1 Eng Svcs - Supply Group 2021A	-	-	400,000	-	-	-	400,000	Voted 2019 Debt - Water
Gen1 Eng Svcs - Supply Group 2021B	400,000	400,000	-	-	-	-	800,000	Voted 2016 Debt - Water
Gen1 Eng Svcs - Supply Group 2021B	-	-	400,000	-	-	-	400,000	Voted 2019 Debt - Water
Gen1 Eng Svcs - Supply Group 2024A	-	-	450,000	-	-	-	450,000	Voted 2019 Debt - Water
Gen1 Eng Svcs - Supply Group 2024A	-	-	-	450,000	450,000	-	900,000	Water Enterprise (Unvoted)
Gen1 Eng Svcs - Supply Group 2024B	-	-	450,000	-	-	-	450,000	Voted 2019 Debt - Water
Gen1 Eng Svcs - Supply Group 2024B	-	-	-	450,000	450,000	-	900,000	Water Enterprise (Unvoted)

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
O'Shaughnessy Gatehouse Misc. Imp.'s	1,500,000	-	-	-	-	-	1,500,000	Voted 2016 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	Voted 2019 Debt - Water
Misc. Booster Station and Water Tank Imp's	-	-	-	1,000,000	1,000,000	1,000,000	3,000,000	Water Enterprise (Unvoted)
Water Storage Tank Painting	3,500,000	3,500,000	-	-	-	-	7,000,000	Voted 2016 Debt - Water
Water Storage Tank Painting	-	-	1,500,000	-	-	-	1,500,000	Voted 2019 Debt - Water
Water Storage Tank Painting	-	-	-	1,000,000	2,000,000	2,000,000	5,000,000	Water Enterprise (Unvoted)
Security Enhancements - HCWP	-	-	-	-	-	5,000,000	5,000,000	Water Enterprise (Unvoted)
HCWP Hypochlorite Disinfection Improvements	17,000,000	-	-	-	-	-	17,000,000	WSRLA Loan
PAWP Hypochlorite Disinfection Improvements	15,000,000	-	-	-	-	-	15,000,000	WSRLA Loan
HCWP Window Replacement	-	-	-	-	-	550,000	550,000	Water Enterprise (Unvoted)
Fourth Water Plant Quarry Land Acquisition	6,000,000	-	-	-	-	-	6,000,000	Voted 2016 Debt - Water
Fourth Water Plant Transmission Main	6,910,000	-	-	-	-	-	6,910,000	Voted 2013 Debt - Water
Fourth Water Plant Transmission Main	90,000	-	-	-	-	-	90,000	Voted 2016 Debt - Water
Fourth Water Plant Transmission Main	-	-	3,500,000	-	-	-	3,500,000	Voted 2019 Debt - Water
Fourth Water Plant Transmission Main	-	-	-	-	70,000,000	-	70,000,000	WSRLA Loan
Fourth Water Plant Transmission Main	-	-	-	-	10,500,000	-	10,500,000	Water Enterprise (Unvoted)
HCWP Sludge Line Replacement - Part 2	-	-	-	-	-	750,000	750,000	Water Enterprise (Unvoted)
Water Main Repair	-	1,250,000	-	-	-	-	1,250,000	Voted 2019 Debt - Water
Water Main Repair	-	-	-	1,250,000	-	1,250,000	2,500,000	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	Water Enterprise (Unvoted)
DRWP Laboratory Upgrades	-	-	-	-	-	-	2,000,000	WSRLA Loan
DRWP Central Maintenance Shop	-	-	500,000	-	-	-	500,000	Voted 2019 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	2,500,000	Water Enterprise (Unvoted)
Gen1 Engineering Services - Distribution Group	-	600,000	600,000	-	-	-	1,200,000	Voted 2019 Debt - Water
Gen1 Engineering Services - Distribution Group	-	-	-	600,000	600,000	600,000	1,800,000	Water Enterprise (Unvoted)
2020 - 2022 Gen1 Engineering Services - Distribution Group	600,000	-	-	-	-	-	600,000	Voted 2016 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 - Pt. 2	250,000	250,000	-	-	-	-	500,000	Voted 2016 Debt - Water
General Architectural Services - Division of Water 2018	300,000	-	-	-	-	-	300,000	Voted 2016 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	Voted 2019 Debt - Water
General CA/CI for Water Projects	-	-	-	-	250,000	250,000	500,000	Water Enterprise (Unvoted)
General Construction (CA-CI) for 2020, 2021, 2022	250,000	-	-	-	-	-	250,000	Voted 2016 Debt - Water
General Construction (CA-CI) for 2023, 2024, 2025	-	250,000	250,000	-	-	-	500,000	Voted 2019 Debt - Water
General Construction (CA-CI) for 2023, 2024, 2025	-	-	-	250,000	-	-	250,000	Water Enterprise (Unvoted)
Plant Drain & Water System Imp's	600,000	-	-	-	-	-	600,000	Voted 2016 Debt - Water
Plant Drain & Water System Imp's	5,500,000	-	-	-	-	-	5,500,000	WSRLA Loan
Laboratory Upgrades	700,000	-	-	-	-	-	700,000	Voted 2016 Debt - Water
Laboratory Upgrades	-	-	350,000	-	-	-	350,000	Voted 2019 Debt - Water
Dam Engineering Services (DES)	150,000	150,000	-	-	-	-	300,000	Voted 2016 Debt - Water
Dam Engineering Services (DES) CT2	-	-	2,114	-	-	-	2,114	Voted 2019 Debt - Water
Dam Engineering Services (DES) CT2	-	-	147,886	150,000	150,000	-	447,886	Water Enterprise (Unvoted)
DRWP Clearwell Improvements	-	-	-	-	-	300,000	300,000	Water Enterprise (Unvoted)
DRWP Auxiliary Pump Station Imp's	-	-	800,000	-	5,500,000	-	6,300,000	Water Enterprise (Unvoted)
PAWP Building Improvements	-	-	-	-	-	500,000	500,000	Water Enterprise (Unvoted)
PAWP Lagoon Sludge Removal	-	250,000	-	-	-	-	250,000	Voted 2019 Debt - Water
PAWP Lagoon Sludge Removal	-	-	-	-	250,000	250,000	500,000	Water Enterprise (Unvoted)
DRWP Automation Upgrade	-	2,600,000	-	-	-	-	2,600,000	Voted 2019 Debt - Water
Elevator Improvements	-	-	400,000	-	-	-	400,000	Water Enterprise (Unvoted)
Watershed Signage Master Plan	-	250,000	100,000	-	-	-	350,000	Voted 2019 Debt - Water
Watershed Signage Master Plan	-	-	-	150,000	-	-	150,000	Water Enterprise (Unvoted)
DOW Risk Mitigation Measure Upgrades	-	-	-	-	600,000	1,000,000	1,600,000	Water Enterprise (Unvoted)

Capital Improvements Program

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DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source	
DOW LIMS Upgrade	-	600,000	-	-	-	-	600,000	Voted 2016 Debt - Water	
Electrical Power System Studies	300,000	12,114	-	-	-	-	312,114	Voted 2016 Debt - Water	
Electrical Power System Studies	-	287,886	-	-	-	-	287,886	Voted 2019 Debt - Water	
DOW Safety Improvements	325,000	-	-	-	-	-	325,000	Voted 2016 Debt - Water	
DOW Safety Improvements	-	2,050,000	-	-	-	-	2,050,000	Voted 2019 Debt - Water	
DRWP Caustic Feed Improvements	250,000	-	-	-	-	-	250,000	Voted 2016 Debt - Water	
DRWP Caustic Feed Improvements	800,000	-	-	-	-	-	800,000	WSRLA Loan	
PAWP Treatment Residuals Disposal Improvements	-	3,000,000	-	-	-	-	3,000,000	Voted 2019 Debt - Water	
PAWP Treatment Residuals Disposal Improvements	21,400,000	-	-	-	-	-	21,400,000	WSRLA Loan	
PAWP Wellfield Development	1,450,000	700,000	-	-	-	-	2,150,000	Voted 2016 Debt - Water	
PAWP Wellfield Development	-	-	7,000,000	-	-	-	7,000,000	WSRLA Loan	
DOW Perimeter Fence Improvements	-	-	750,000	-	-	-	750,000	Water Enterprise (Unvoted)	
Large Diameter Valve Replacement	-	-	-	-	-	3,000,000	3,000,000	WSRLA Loan	
Large Diameter Valve Replacement	-	-	-	-	250,000	200,000	450,000	Water Enterprise (Unvoted)	
Upground Reservoir Embankment Repairs	-	500,000	-	-	-	-	500,000	Voted 2019 Debt - Water	
Watershed Boathouse Improvements	-	-	-	-	250,000	950,000	1,200,000	Water Enterprise (Unvoted)	
Professional Construction Management (PCM) - 2018	5,500,000	-	-	-	-	-	5,500,000	Voted 2016 Debt - Water	
Professional Construction Management (PCM) - 2018	-	3,000,000	1,000,000	-	-	-	4,000,000	Voted 2019 Debt - Water	
Professional Construction Management (PCM) - 2020	9,000,000	-	-	-	-	-	9,000,000	Voted 2016 Debt - Water	
Professional Construction Management (PCM) - 2020	-	9,000,000	7,500,000	-	-	-	16,500,000	Voted 2019 Debt - Water	
Professional Construction Management (PCM) - 2020	-	-	-	6,000,000	3,000,000	-	9,000,000	Water Enterprise (Unvoted)	
Professional Construction Management (PCM) - 2023	-	3,000,000	6,000,000	-	-	-	9,000,000	Voted 2019 Debt - Water	
Professional Construction Management (PCM) - 2023	-	-	-	8,000,000	8,000,000	2,500,000	18,500,000	Water Enterprise (Unvoted)	
Professional Construction Management (PCM) - 2026	-	-	-	-	3,000,000	7,000,000	10,000,000	Water Enterprise (Unvoted)	
Large Diameter Valve Replacement Program	-	-	1,000,000	-	-	-	1,000,000	Voted 2019 Debt - Water	
Large Diameter Valve Replacement Program	-	-	-	-	1,000,000	-	1,000,000	Water Enterprise (Unvoted)	
Large Diameter Valve Replacement Part 3	1,150,000	-	-	-	-	-	1,150,000	Voted 2016 Debt - Water	
PAWP Filter Console Replacement	-	-	-	-	-	400,000	400,000	Water Enterprise (Unvoted)	
McKinley Avenue Quarry Dewatering Facility	1,100,000	-	-	-	-	-	1,100,000	Voted 2016 Debt - Water	
McKinley Avenue Quarry Dewatering Facility	-	4,000,000	-	-	-	-	4,000,000	Voted 2019 Debt - Water	
McKinley Avenue Quarry Dewatering Facility	-	-	-	-	34,000,000	-	34,000,000	WSRLA Loan	
McKinley Avenue Quarry Dewatering Facility	-	-	-	3,100,000	-	2,000,000	5,100,000	Water Enterprise (Unvoted)	
DRWP Residuals Handling Improvements	1,000,000	-	-	-	-	-	1,000,000	Voted 2016 Debt - Water	
DRWP Residuals Handling Improvements	-	2,750,000	-	-	-	-	2,750,000	Voted 2019 Debt - Water	
DRWP Residuals Handling Improvements	-	-	-	-	25,000,000	-	25,000,000	WSRLA Loan	
DRWP Residuals Handling Improvements	-	-	-	1,750,000	-	1,250,000	3,000,000	Water Enterprise (Unvoted)	
HCWP Residuals Handling Improvements	-	750,000	1,800,000	-	-	-	2,550,000	Voted 2019 Debt - Water	
HCWP Residuals Handling Improvements	-	-	-	16,000,000	-	-	16,000,000	WSRLA Loan	
HCWP Residuals Handling Improvements	-	-	-	1,500,000	-	500,000	2,000,000	Water Enterprise (Unvoted)	
Hudson Street 24" Water Line Improvements	2,450,000	-	-	-	-	-	2,450,000	Voted 2016 Debt - Water	
Pickaway County Wellfield Development	-	-	-	-	1,300,000	2,500,000	3,800,000	Water Enterprise (Unvoted)	
PAWP Wellfield Development - Well #XXX	-	1,500,000	-	-	-	-	1,500,000	Voted 2019 Debt - Water	
PAWP Wellfield Development - Well #XXX	-	-	-	-	-	6,250,000	6,250,000	WSRLA Loan	
PAWP Wellfield Development - Well #XXX	-	-	-	1,300,000	500,000	800,000	2,600,000	Water Enterprise (Unvoted)	
Fourth Water Plant	22,000,000	-	-	-	-	-	22,000,000	Voted 2016 Debt - Water	
Fourth Water Plant	-	-	-	-	180,000,000	-	180,000,000	WSRLA Loan	
Fourth Water Plant	-	-	-	-	16,000,000	-	16,000,000	Water Enterprise (Unvoted)	
HCWP Polymer Feed Improvements	-	-	-	-	-	2,500,000	2,500,000	WSRLA Loan	
HCWP Polymer Feed Improvements	-	-	-	200,000	350,000	250,000	800,000	Water Enterprise (Unvoted)	
Lockbourne Road Quarry Embankment Improvements	2,500,000	-	-	-	-	-	2,500,000	Voted 2016 Debt - Water	
PAWP Pump Improvements	150,000	-	-	-	-	-	150,000	Voted 2016 Debt - Water	
PAWP Pump Improvements	-	150,000	150,000	-	-	-	300,000	Voted 2019 Debt - Water	
PAWP Pump Improvements	-	-	-	150,000	150,000	150,000	450,000	Water Enterprise (Unvoted)	
Merchant Road Property Demolition	-	500,000	-	-	-	-	500,000	Voted 2019 Debt - Water	
HCWP Caustic System Improvements	-	-	-	-	500,000	-	500,000	Water Enterprise (Unvoted)	
HCWP Laboratory Improvements	-	-	-	-	-	900,000	900,000	Water Enterprise (Unvoted)	

Capital Improvements Program

2022 - 2027 CAPITAL IMPROVEMENTS PROGRAM								
DEPARTMENT PROJECT	2022	2023	2024	2025	2026	2027	Total Budget	Funding Source
DRWP Pump Improvements	200,000	-	-	-	-	-	200,000	Voted 2016 Debt - Water
DRWP Pump Improvements	-	200,000	200,000	-	-	-	400,000	Voted 2019 Debt - Water
DRWP Pump Improvements	-	-	-	200,000	200,000	200,000	600,000	Water Enterprise (Unvoted)
DRWP Filter 17 Flow Controller Replacement	150,000	-	-	-	-	-	150,000	Voted 2016 Debt - Water
HCWP LOX Piping Improvements	-	-	100,000	-	-	-	100,000	Water Enterprise (Unvoted)
HCWP Filter Building Concrete Improvements	-	-	-	350,000	800,000	900,000	2,050,000	Water Enterprise (Unvoted)
Subtotal - WATER	\$ 213,427,886	\$ 93,385,000	\$ 114,475,000	\$ 94,850,000	\$ 406,850,000	\$ 99,750,000	\$ 1,022,737,886	
Grand Total	\$646,087,056	\$606,188,173	\$595,175,173	\$527,685,727	\$827,763,766	\$419,004,763	\$3,621,904,658	

2022-2027 CAPITAL IMPROVEMENTS PROGRAM							
FUNDING SUMMARY BY DIVISION							
DIVISION	2022	2023	2024	2025	2026	2027	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	800,000	800,000	800,000	800,000	800,000	800,000	4,800,000
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	43,905,000	43,905,000	43,905,000	43,905,000	43,905,000	43,905,000	263,430,000
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	38,307,500	63,222,000	51,664,375	24,962,500	32,500,000	18,200,000	228,856,375
Sanitary Sewers	285,926,670	340,681,235	317,760,798	294,433,227	272,746,966	188,789,051	1,700,337,947
Electricity	7,960,000	9,599,938	8,870,000	11,755,000	10,721,800	9,820,712	58,727,450
Water	213,427,886	93,385,000	114,475,000	94,850,000	406,850,000	99,750,000	1,022,737,886
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	5,610,000	4,445,000	7,550,000	6,830,000	10,090,000	7,590,000	42,115,000
Total	\$ 646,087,056	\$ 606,188,173	\$ 595,175,173	\$ 527,685,727	\$ 827,763,766	\$ 419,004,763	\$ 3,621,904,658

Capital Improvements Program

2022-2027 CAPITAL IMPROVEMENTS PROGRAM FUNDING SUMMARY BY SOURCE							
FUNDING SOURCE	2022	2023	2024	2025	2026	2027	Total Budget
Voted 2016 Debt - Water	\$ 89,517,886	\$ 12,487,114	\$ -	\$ -	\$ -	\$ -	\$ 102,005,000
Voted 2019 Debt - Electricity	-	224,938	8,065,000	10,950,000	5,760,062	-	25,000,000
WSRLA Loan	117,000,000	27,000,000	36,500,000	39,000,000	332,000,000	38,750,000	590,250,000
Voted 2019 SIT Supported	74,250,000	82,765,000	77,685,000	76,685,000	71,300,000	53,905,000	436,590,000
Information Services	5,610,000	4,445,000	7,550,000	6,830,000	10,090,000	7,590,000	42,115,000
Councilmanic SIT Supported	11,795,000	11,795,000	16,875,000	17,875,000	23,260,000	40,655,000	122,255,000
Voted 2016 Debt - Sanitary Sewer	82,278,920	32,111,080	-	-	-	-	114,390,000
Voted 2016 Debt - Electricity	7,455,000	8,870,000	-	-	-	-	16,325,000
Fleet Management (Unvoted)	800,000	800,000	800,000	800,000	800,000	800,000	4,800,000
Voted 2016 Debt SIT Supported	8,515,000	-	-	-	-	-	8,515,000
Electricity Enterprise (Unvoted)	-	-	300,000	300,000	4,456,738	9,315,712	14,372,450
Sanitary Sewer Enterprise (Unvoted)	-	-	40,698,833	74,803,691	76,659,340	60,316,749	252,478,613
Storm Sewer Enterprise (Unvoted)	-	-	6,298,875	5,350,000	8,650,000	7,350,000	27,648,875
WPCLF/OWDA	225,397,750	306,565,293	275,246,827	239,242,036	219,937,626	139,322,302	1,405,711,834
Water Enterprise (Unvoted)	-	-	6,872,886	55,850,000	74,850,000	61,000,000	198,572,886
Voted 2016 Debt - Storm	16,557,500	9,372,000	3,035,500	-	-	-	28,965,000
Voted 2013 Debt - Water	6,910,000	-	-	-	-	-	6,910,000
Voted 2019 Debt - Water	-	53,897,886	71,102,114	-	-	-	125,000,000
Voted 2019 Debt - Sanitary	-	55,854,862	44,145,138	-	-	-	100,000,000
Total	\$ 646,087,056	\$ 606,188,173	\$ 595,175,173	\$ 527,685,727	\$ 827,763,766	\$ 419,004,763	\$ 3,621,904,658

PROPOSED 2022 CAPITAL IMPROVEMENT BUDGET

Public Safety

Police

Project Name: Police Facility Renovations
Type: Recurring
Estimated 2022 Cost: \$1,680,000
Funding Source: 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 2022 Cost: \$1,320,000
Funding Source: Voted 2019 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 2022 Cost: \$6,000,000
Funding Source: Voted 2019 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: Affordable Housing funds
Type: Recurring
Estimated 2022 Cost: \$1,000,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funds dedicated to community partnerships to increase the number of affordable housing units throughout the city.

Project Name: Economic & Community Development
Type: Recurring
Estimated 2022 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 2022 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 2022 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 2022 Cost: \$675,000
Funding Source: Councilmanic SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funding to aid in the allocation of resources to various projects.

Project Name: Facility Renovations – Various
Type: Recurring
Estimated 2022 Cost: \$3,515,000
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.

Project Name: Construction Management – Design and Project Management Services
Type: Recurring
Estimated 2022 Cost: \$1,000,000
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.

Project Name: Construction Management – General Contracting and Small Scale Renovation
Type: Recurring
Estimated 2022 Cost: \$500,000
Funding Source: Councilmanic SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funding to provide for capital improvements on city owned buildings in a small scale capacity.

Project Name: Municipal Campus Renovations
Type: Recurring
Estimated 2022 Cost: \$3,000,000
Funding Source: Councilmanic SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funding to provide for various capital improvements to maintain the municipal campus buildings and facilities.

Construction Management subtotal - \$8,690,000

Capital Improvements Program

Fleet Management

Project Name: Fleet Automated Fuel Location Upgrades
Type: Recurring
Estimated 2022 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.

Project Name: Fleet Equipment Replacement
Type: Recurring
Estimated 2022 Cost: \$100,000
Funding Source: Fleet Management G.O. Bonds
Operating Impact: None
Project Description: Periodic replacement of aging equipment.

Project Name: Fuel Tank Management
Type: Recurring
Estimated 2022 Cost: \$600,000
Funding Source: Fleet Management G.O. Bonds
Operating Impact: None
Project Description: Remediation, removal, and replacement of fuel tanks.

Fleet Management subtotal - \$800,000

Finance and Management Total - \$9,490,000

Technology

Project Name: Data Center Facility Upgrades
Type: Recurring
Estimated 2022 Cost: \$240,000
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 2022 Cost: \$1,000,000
Funding Source: Information Services G.O. Bonds
Operating Impact: None
Project Description: Funds to continue installing fiber optic laterals which will connect city facilities to the fiber network backbone.

Project Name: CTSS Fiber Purchases Phases B, C, D
Type: Recurring
Estimated 2022 Cost: \$1,100,000
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 2022 Cost: \$1,000,000
Funding Source: Information Services G.O. Bonds
Operating Impact: None
Project Description: Replacement of the existing server architecture, storage, and backup solutions currently utilized.

Project Name: E-Gov Initiatives
Type: Recurring
Estimated 2022 Cost: \$250,000
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 2022 Cost: \$150,000
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 2022 Cost: \$630,000
Funding Source: Information Services G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement of end of life equipment related to network routers/switches, wireless controllers/access points, and the uninterruptable power supply.

Project Name: Telephony and Interactive Voice Response (IVR) Infrastructure Improvements
Type: Recurring
Estimated 2022 Cost: \$500,000
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 to provide optimum service and a more streamlined business process.

Project Name: Enterprise System Upgrades – Security Program
Type: Recurring
Estimated 2022 Cost: \$100,000
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.

Project Name: Enterprise System Upgrades – Applications & GIS
Type: Recurring
Estimated 2022 Cost: \$640,000
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 and other Enterprise Applications.

Technology Total - \$5,610,000

Recreation and Parks

Project Name: Urban Infrastructure Projects
Type: Recurring
Estimated 2022 Cost: \$753,200
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new amenities and equipment. Improved efficiencies offset some increases.
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 2022 Cost: \$3,886,800
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new amenities and equipment. Improved efficiencies offset some increases.
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: Recurring
Estimated 2022 Cost: \$4,000,000
Funding Source: Voted 2016 SIT Supported G.O. Bonds
Operating Impact: Minimal decrease in utility payments expected for energy efficiency upgrades.
Project Description: An assessment to identify issues within existing facilities and funding to make necessary improvements.

Project Name: Hard Surface Improvements
Type: Recurring
Estimated 2022 Cost: \$800,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: None
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: Recurring
Estimated 2022 Cost: \$800,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Replacement and renovation of roofs located at existing facilities.

Project Name: Maintenance Equipment - Parks
Type: Recurring
Estimated 2022 Cost: \$250,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: None
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 2022 Cost: \$400,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new trees.
Project Description: Funds to increase the urban tree canopy and help reduce stormwater runoff.

Project Name: Safe Playgrounds
Type: Recurring
Estimated 2022 Cost: \$500,000
Funding Source: Voted 2019 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 2022 Cost: \$5,467,200
Funding Source: Voted 2016 SIT Supported G.O. Bonds; Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new amenities, equipment, and parkland.
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 2022 Cost: \$1,594,600
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new amenities, equipment, and parkland.
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 2022 Cost: \$1,594,600
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new amenities and equipment. Improved efficiencies offset some increases.
Project Description: 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 2022 Cost: \$1,139,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new amenities and equipment. Improved efficiencies offset some increases.
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: Emergency Improvements and Cost Allocations
Type: Recurring
Estimated 2022 Cost: \$911,200
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new amenities and equipment. Improved efficiencies offset some increases.
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 2022 Cost: \$683,400
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal increase for maintenance of new amenities and equipment. Improved efficiencies offset some increases.
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 2022 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.

Project Name: Neighborhood Commercial Revitalization (NCR)
Type: Recurring
Estimated 2022 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.

Project Name: Roadway Improvements
Type: Recurring
Estimated 2022 Cost: \$5,581,794
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 2022 Cost: \$20,000,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Decrease to repair and maintenance costs
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.

Project Name: Bridge Rehabilitation
Type: Recurring
Estimated 2022 Cost: \$3,371,393
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Decrease to repair and maintenance costs
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- Roadway
Type: Recurring
Estimated 2022 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.

Project Name: Bikeway Development
Type: Recurring
Estimated 2022 Cost: \$4,219,000
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.

Project Name: Pedestrian Safety Improvements – Sidewalk Program
Type: Recurring
Estimated 2022 Cost: \$1,781,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Minimal
Project Description: Installation of new and replacement sidewalks based on public input.

Transportation subtotal - \$43,905,000

Refuse

Project Name: Mechanized Collection Equipment
Type: Recurring
Estimated 2022 Cost: \$4,930,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: Decrease in maintenance costs
Project Description: Annual replacement of aging equipment for the Division of Refuse Collection.

Project Name: Alum Creek Remediation – Facility Improvements
Type: Non-Recurring
Estimated 2022 Cost: \$100,000
Funding Source: Voted 2019 SIT Supported G.O. Bonds
Operating Impact: None
Project Description: Funding for the remediation of the Alum Creek Transfer Station.

Capital Improvements Program

Project Name: Mechanized Collection Equipment – Containers
Type: Recurring
Estimated 2022 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 - \$49,985,000

Public Utilities

Storm Sewer

Project Name: Fountain Square Stormwater System Improvements
Type: Non-recurring
Estimated 2022 Cost: \$4,000,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: None
Project Description: Mitigation efforts for street flooding along the Morse Road service road in the Fountain Square area.

Project Name: Storm Sewer Large Diameter Condition Assessment Phase 3
Type: Recurring
Estimated 2022 Cost: \$1,500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will allow for systematic inspection, condition assessment, cleaning and rehabilitation of the city's large diameter storm sewer infrastructure.

Project Name: General Construction Contract - Storm
Type: Recurring
Estimated 2022 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 2022 Cost: \$1,250,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Stormwater system improvements to mitigate street and yard flooding along Petzinger Road.

Project Name: General Engineering Services - Storm
Type: Recurring
Estimated 2022 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: Linworth Rd/Meeklynn Dr. Storm Sewer
Type: Non-recurring
Estimated 2022 Cost: \$1,500,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: None
Project Description: Mitigation of street and yard flooding, and the reduction of drainage issues in the area of Meeklynn Dr. towards the Olentangy River.

Capital Improvements Program

Project Name: Linden Neighborhood Stormwater System Improvements Phase 2
Type: Non-Recurring
Estimated 2022 Cost: \$1,900,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: None
Project Description: Funding to mitigate street and yard flooding as well as reduce roadside drainage issues in the Linden area.

Project Name: Joint Projects with the Department of Public Service
Type: Recurring
Estimated 2022 Cost: \$250,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
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 2022 Cost: \$8,000,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for the design and construction of the storm system and flood protection improvements for the Franklinton Area.

Project Name: Pump Stations, ST-21, ST-22, ST-23 Improvements
Type: Recurring
Estimated 2022 Cost: \$450,000
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: Krieger Court Stormwater Improvements
Type: Non-recurring
Estimated 2022 Cost: \$3,075,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will investigate drainage issues upstream and downstream of the Krieger Court Stormwater Basin, and provide detailed plans for alleviating drainage issues.

Project Name: Twin Lakes Upper Dam and Greenlawn Low Head Dam Improvements
Type: Non-Recurring
Estimated 2022 Cost: \$10,500,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for the design and construction as it relates to the Twin Lakes Upper Dam and the Greenlawn Avenue Low Head Dam improvements.

Capital Improvements Program

Project Name: Barnett Road Stormwater Improvements
Type: Non-recurring
Estimated 2022 Cost: \$460,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will investigate drainage issues in the Barnett Road area and provide detailed plans for alleviating drainage issues.

Project Name: Cooke Road Culvert Improvements
Type: Non-recurring
Estimated 2022 Cost: \$300,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will obtain easements and allow for repairs of the Cooke Road Culvert to improve the capture of stormwater runoff in the area.

Project Name: Ohio State University Area Utility Easement Project
Type: Non-recurring
Estimated 2022 Cost: \$50,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will update, renew, or obtain new easements around the Ohio State University owned areas. These utility easements allow for maintenance and operation of existing city owned utilities.

Project Name: Second Avenue Sewer Improvements
Type: Non-recurring
Estimated 2022 Cost: \$50,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding will address flooding issues created by capacity limitations of the existing combined sewer system in the Second Avenue.

Project Name: Thurston Grimsby Storm Sewer Improvements
Type: Non-recurring
Estimated 2022 Cost: \$127,875
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will install new storm sewers, manholes, and inlets to alleviate yard and street flooding within the Thurston Grimsby area.

Project Name: Astor Bernhard Storm Sewer Improvements
Type: Non-Recurring
Estimated 2022 Cost: \$244,125
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will install new storm sewers, manholes, and inlets to alleviate yard and street flooding within the Astor Bernhard area.

Capital Improvements Program

Project Name: Gertrude Lattimer Storm Sewer Improvements
Type: Non-Recurring
Estimated 2022 Cost: \$616,125
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will install new storm sewers, manholes, and inlets to alleviate yard and street flooding within the Gertrude Lattimer area.

Project Name: Plum Ride Storm Sewer Improvements
Type: Non-Recurring
Estimated 2022 Cost: \$174,375
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will install new storm sewers, manholes, and inlets to alleviate yard and street flooding within the Plum Ridge area.

Project Name: Major Stormwater Drainage Improvements
Type: Recurring
Estimated 2022 Cost: \$620,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will provide stormwater system improvements to address larger systemic capacity issues to reduce flooding and increase levels of service.

Project Name: Storm Sewer Lining Projects
Type: Recurring
Estimated 2022 Cost: \$1,150,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for this project will allow for the rehabilitation of sewers that have outlived their useful service life throughout the City.

Project Name: Livingston Noe-Bixby Culvert
Type: Non-Recurring
Estimated 2022 Cost: \$200,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will remove an existing, unutilized culvert in the Livingston Avenue and Noe-Bixby Road area.

Project Name: Shanley Drive Basin
Type: Non-Recurring
Estimated 2022 Cost: \$260,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project is for the acquisition of property and for the construction of a dry detention basin to address stormwater related issues and flooding on Shanley Drive.

Capital Improvements Program

Project Name: Postlewaite Road Stormwater System Improvements
Type: Non-Recurring
Estimated 2022 Cost: \$80,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project is for the acquisition of easements and for the construction of storm sewer related to flooding on Postlewaite Road.

Stormwater subtotal - \$38,307,500

Capital Improvements Program

Sanitary Sewers

Project Name: Stormwater Pump Station Evaluation & Upgrade
Type: Recurring
Estimated 2022 Cost: \$384,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will evaluate DOSD Stormwater Pump Stations, identify and prioritize needs, and provide preliminary design services as necessary.

Project Name: Blueprint Columbus Public Information Outreach 2022
Type: Non-recurring
Estimated 2022 Cost: \$350,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Moderate increase
Project Description: Funding to ensure community input is received and utilized to design the best solutions for unique neighborhood needs for the Blueprint Columbus project.

Project Name: Real Time Control – Sewer System Optimization, Part 2
Type: Non-recurring
Estimated 2022 Cost: \$500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Development of additional functionality for the real time control decision supports.

Project Name: SSES Overall Engineering Consultant Services
Type: Recurring
Estimated 2022 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 2022 Cost: \$5,300,000
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 2022 Cost: \$36,000,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal increase
Project Description: Extension of the Central Collee Subtrunk sanitary sewer along Harlem Road from Central College to Walnut Street.

Capital Improvements Program

Project Name: General Engineering Services – Sanitary 2022
Type: Recurring
Estimated 2022 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: Roof Replacements for Department of Sewer and Drains Facilities
Type: Recurring
Estimated 2022 Cost: \$2,630,000
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: Jackson Pike Waste Water Treatment Plant Cogeneration Facility
Type: Non-recurring
Estimated 2022 Cost: \$1,907,782
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Cost increases will be offset with electrical savings
Project Description: This project will provide a cogeneration facility to use digester biogas to supplement the facility electricity needs. This will also provide replacement boilers and engineering studies in ways to increase biogas electrical production.

Project Name: Jackson Pike Waste Water Treatment Plant Screening Improvements
Type: Non-recurring
Estimated 2022 Cost: \$11,880,000
Funding Source: Ohio Water Development Authority Loan ; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Upgrades to the current Jackson Pike mechanical screen dewatering and disposal systems and improvements to the existing screen building to increase reliability.

Project Name: Department of Public Utilities General Engineering Consulting Services (GEC) #4 and #5
Type: Recurring
Estimated 2022 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 2022 Cost: \$1,100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for JPWWTP projects submitted through the General Engineering Consultant Service contracts.

Capital Improvements Program

Project Name: Southerly Waste Water Treatment Plant (SWWTP) Small Capital Projects
Type: Recurring
Estimated 2022 Cost: \$1,600,000
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: Fairwood Building Facilities Small Capital Projects
Type: Recurring
Estimated 2022 Cost: \$350,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for Fairwood Building facilities projects submitted through the General Engineering Consultant Service contracts.

Project Name: SWWTP Switching Station Switchgear Replacement
Type: Non-recurring
Estimated 2022 Cost: \$1,600,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Replacement of the 15KV switch gear in the Southwest Switch Station at the SWWTP.

Project Name: SMOC Vehicle Maintenance Fluid System Replacement
Type: Non-recurring
Estimated 2022 Cost: \$500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Replacement of the oil and fluid delivery system in the SMOC vehicle maintenance area.

Project Name: WWTF Professional Construction Management Services #3
Type: Recurring
Estimated 2022 Cost: \$485,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Professional construction management services are needed for various facilities projects for the Division of Sewerage and Drainage.

Project Name: Division of Sewerage and Drainage (DOSD) HVAC and Air Purification Replacement
Type: Non-recurring
Estimated 2022 Cost: \$577,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
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 2022 Cost: \$1,200,000
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: DOSD Electrical Upgrades Program
Type: Non-recurring
Estimated 2022 Cost: \$1,000,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will evaluate the electrical infrastructure at the DOSD facilities, establish priorities, and provide design and construction support services.

Project Name: WWTF Instrumentation and Control Integration and Programming Part 3
Type: Recurring
Estimated 2022 Cost: \$500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Wastewater Treatment Facilities Instrumentation and Control (I&C) System upgrade.

Project Name: SWWTP Main Drain Pump Station
Type: Non-recurring
Estimated 2022 Cost: \$3,240,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Construction of a flow diversion structure and pump station within the SWWTP main drain pipeline.

Project Name: SWWTP Post Aeration Diffuser Replacement
Type: Non-recurring
Estimated 2022 Cost: \$11,486,000
Funding Source: Ohio Water Development Authority Loan, 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 #5
Type: Recurring
Estimated 2022 Cost: \$800,000
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.

Capital Improvements Program

Project Name: SWWTP HVAC and Air Purification Improvements
Type: Non-recurring
Estimated 2022 Cost: \$3,240,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Replacement of the air purification systems in the East Aeration Control building that have reached the end of their useful life.

Project Name: Southerly Stormwater and Floodplain Improvements
Type: Non-recurring
Estimated 2022 Cost: \$5,200,000
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: Compost Facility Odor Control Improvements
Type: Non-recurring
Estimated 2022 Cost: \$4,500,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: None
Project Description: Design improvements and repairs to the Compost Facility's process, odor control and electrical systems.

Project Name: 2022 Annual Lining Contract
Type: Recurring
Estimated 2022 Cost: \$5,850,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of existing sanitary sewers using cured-in-place pipe.

Project Name: Sewer System Capacity Model Update
Type: Non-recurring
Estimated 2022 Cost: \$1,500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for City-wide sewer collection system computer model update contract.

Project Name: Intermodal Sanitary Subtrunk Extension
Type: Non-recurring
Estimated 2022 Cost: \$1,750,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Extension of the Intermodal Sanitary Subtrunk along Rickenbacker Parkway and Airbase Road to extend sanitary sewer service.

Capital Improvements Program

Project Name: SMOC Inventory Control Consolidations
Type: Non-recurring
Estimated 2022 Cost: \$3,845,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Creation of a centralized inventory receiving area, consolidated inventory control room, as well as additional office space and shelving units for the DPU Archive Project.

Project Name: Big Walnut Outfall (South) Rehabilitation
Type: Non-recurring
Estimated 2022 Cost: \$6,200,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of the 108" Big Walnut Outfall sewer to address structural problems.

Project Name: Ohio State University (OSU) Area Utility Easement Project
Type: Non-recurring
Estimated 2022 Cost: \$50,000
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: DOSD Sanitary Pump Stations Evaluation and Upgrade
Type: Non-recurring
Estimated 2022 Cost: \$520,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Condition assessment of DOSD sanitary pump stations

Project Name: Large Diameter Sewer Rehabilitation – Alum Creek Trunk South Section/Deshler Tunnel
Type: Non-recurring
Estimated 2022 Cost: \$15,660,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Inspection and condition assessment of the sanitary trunk line sewer.

Project Name: OSIS Large Diameter Sewer Rehabilitation
Type: Non-recurring
Estimated 2022 Cost: \$150,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Inspection and condition assessment of the sanitary trunk line sewer.

Capital Improvements Program

Project Name: Large Diameter – Blacklick Creek Main Trunk
Type: Non-recurring
Estimated 2022 Cost: \$6,250,000
Funding Source: Ohio Water Development Authority Loan;
Operating Impact: None
Project Description: Rehabilitation of the sanitary sewer infrastructure to extend its useful life.

Project Name: Near North & East Area Large Diameter Assessments
Type: Non-recurring
Estimated 2022 Cost: \$7,200,000
Funding Source: Ohio Water Development Authority Loan, Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of the current infrastructure to extend the useful life.

Project Name: Alum Creek Trunk (South) Rehabilitation – Phase 2
Type: Non-recurring
Estimated 2022 Cost: \$50,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of the current infrastructure to extend the useful life.

Project Name: Blacklick Creek Sanitary Subtrunk Extension
Type: Non-recurring
Estimated 2022 Cost: \$640,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of the 42" sanitary trunk sewer pipe.

Project Name: Scioto Main North Large Diameter Sewer Rehabilitation
Type: Non-recurring
Estimated 2022 Cost: \$700,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of sanitary sewers associated with the Scioto Main North Large Diameter Condition Assessment project.

Project Name: Alum Creek Trunk (Middle) Rehabilitation – Phase D
Type: Non-recurring
Estimated 2022 Cost: \$1,380,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of the current infrastructure to extend the useful life.

Capital Improvements Program

Project Name: West Side Trunk Rehab – Phase 2
Type: Non-recurring
Estimated 2022 Cost: \$1,200,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Rehabilitation of the sanitary trunk sewer pipe.

Project Name: 2021 General Construction Contract
Type: Recurring
Estimated 2022 Cost: \$1,150,000
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 2022 Cost: \$3,331,000
Funding Source: Ohio Water Development Authority Loan
Operating Impact: Minimal Increase
Project Description: Construction of the sanitary relief sewer from Edgehill Road to Northwest Boulevard.

Project Name: Inflow Redirection – Markison Avenue
Type: Non-recurring
Estimated 2022 Cost: \$839,000
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: Inflow Redirection – Noble and 4th Street
Type: Non-recurring
Estimated 2022 Cost: \$500,000
Funding Source: Ohio Water Development Authority Loan; 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 – Kerr and Russell
Type: Non-recurring
Estimated 2022 Cost: \$3,300,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Redirection of the public inflow of 19.7 acres of area in the Kerr/Russell sewer-shed combined sewer overflow area.

Capital Improvements Program

Project Name: Construction Administration Services 2020 to 2022
Type: Recurring
Estimated 2022 Cost: \$100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Construction administration and inspection services during various storm and sanitary sewer projects.

Project Name: West Franklinton Area Sewer Reconfiguration
Type: Non-recurring
Estimated 2022 Cost: \$750,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Reconfiguration of sewers in the West Franklinton Area to reduce sewer overflows.

Project Name: Upsizing Sewer Pipes Project Near South
Type: Non-recurring
Estimated 2022 Cost: \$675,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Upsizing existing sewer pipe from 10 to 15 inches in the Near South Blueprint Area

Project Name: Blueprint Integrated Solutions
Type: Non-recurring
Estimated 2022 Cost: \$34,790,374
Funding Source: Ohio Water Development Authority Loan; 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:

- Palmetto/Westgate Area
- Eureka/Fremont Area
- Kelton/Fairwood Area
- Sunrise/Glenn Area
- Edgehill/Meadow Area
- Winthrop/Milton Area
- Fredonia/Piedmont Area
- Milford/Summit Area
- Highland/Harris Area
- Morrill/Ann Area
- Champion/Roberts Area
- Astor/Bernhard Area
- Thurston/Grimsby Area
- Gertrude/Lattimer Area
- Plum Ridge Area

Project Name: Blueprint North Linden 1 Downspout Redirection Project
Type: Non-recurring
Estimated 2022 Cost: \$15,866,868
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Redirection of downspouts from homes to the street in the Linden 1 Blueprint area.

Capital Improvements Program

Project Name: Blueprint – Permeable Pavers
Type: Non-recurring
Estimated 2022 Cost: \$33,320,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Installation of permeable pavers along multiple streets to meet consent order requirements in the following locations:

- Palmetto/Westgate Area
- Eureka/Fremont Area
- Newton/Bedford Area
- Kent/Fairwood Area

Project Name: Lateral Lining – Linden 1
Type: Recurring
Estimated 2022 Cost: \$11,415,821
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Lining sanitary laterals to prevent excess stormwater from entering the sanitary sewer system in the Linden area.

Project Name: Volunteer Sump Pump Program
Type: Recurring
Estimated 2022 Cost: \$2,306,325
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Installation of sump pumps in residential basements to reduce excess stormwater entering the city's sanitary system in the following areas:

- Hilltop 4, Phase 1
- Clintonville 1, Phase 4
- Clintonville 3, Project 1

Project Name: Blueprint Professional Construction Management Services
Type: Recurring
Estimated 2022 Cost: \$800,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Construction management services for the installation of green infrastructure, sanitary lateral lining, and roof redirection in the Blueprint areas as well as the Blueprint Linden area.

Project Name: Scioto Main Sanitary Pump Stations
Type: Non-recurring
Estimated 2022 Cost: \$17,600,000
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for improvements to the Scioto Main sanitary trunk.

Capital Improvements Program

Project Name: Scioto Main Sanitary Trunk Sewer Rehabilitation
Type: Recurring
Estimated 2022 Cost: \$100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
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: Meeklynn Drive Area Sanitary Sewer
Type: Non-recurring
Estimated 2022 Cost: \$1,500,000
Funding Source: Ohio Water Development Authority Loan;
Operating Impact: Minimal increase
Project Description: Construction to provide sanitary sewer service to the Meeklynn Drive area.

Project Name: HSTS Elimination Projects
Type: Recurring
Estimated 2022 Cost: \$2,762,500
Funding Source: Ohio Water Development Authority Loan; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Design and construction of a new sanitary sewer extension to provide sanitary services in areas currently served by home treatment systems located in the following:

- Community Park/Maple Canyon Area
- Barnett/E Deshler Area
- Olentangy River Road / Snouffer Rd Area

Project Name: Blueprint Affordability Update
Type: Non-recurring
Estimated 2022 Cost: \$500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Affordability analysis of sewer rates based on current Capital Improvement Program.

Project Name: Clinton Sewer District Number 3 Trunk Sewer Siphon Upgrade
Type: Non-recurring
Estimated 2022 Cost: \$1,750,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Installation of an additional sewer barrel to the existing inverted siphon beneath the Olentangy River.

Project Name: Division of Sewerage and Drainage Specialized Vehicle/Equipment
Type: Non-recurring
Estimated 2022 Cost: \$1,595,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal
Project Description: Specialized vehicles for use by the Division of Sewerage and Drainage

Sanitary subtotal - \$285,926,670

Electricity

Project Name: Urban Infrastructure Recovery Fund Street Lighting Projects
Type: Recurring
Estimated 2022 Cost: \$505,000
Funding Source: Councilmanic SIT Supported G.O. Bonds
Operating Impact: Minimal increase
Project Description: Design and construction of street lighting in urban areas of the city.

Project Name: Conversion to 3 Wire
Type: Non-recurring
Estimated 2022 Cost: \$300,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Street light wire conversions for the upgrade of street light underground circuits and to provide additional safety measures to the street light system.

Project Name: Sawmill Road Street Lighting
Type: Non-Recurring
Estimated 2022 Cost: \$100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal Increase
Project Description: Installation of new lights on Sawmill Road between Summitview Road and Billingsley Road.

Project Name: General Engineering Contracts 2019-2022
Type: Recurring
Estimated 2022 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 2022 Cost: \$3,500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Continued conversion of the existing street light infrastructure to LED lighting.

Project Name: General CA/CI 2020-2022- Power
Type: Recurring
Estimated 2022 Cost: \$100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Construction administration and inspection services as needed for various projects.

Capital Improvements Program

Project Name: Substation Relay Upgrades
Type: Non-recurring
Estimated 2022 Cost: \$200,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Replacement of electromechanical relays with solid state relays at substations for more reliable distribution.

Project Name: SCADA System Replacement
Type: Non-recurring
Estimated 2022 Cost: \$380,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal Increase
Project Description: Funding for the design and procurement of a modernized supervisory control and data acquisition (SCADA) system for the Division of Power's electric transmission and distribution system.

Project Name: Noe Bixby Road Street Lights
Type: Non-recurring
Estimated 2022 Cost: \$550,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Installation of new street lights on Noe Bixby Road between Laraine Court and Cedar Drive.

Project Name: Refugee Road Street Lights
Type: Recurring
Estimated 2022 Cost: \$550,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Installation of new lights on Refugee Road between Noe Bixby Road and Balm Street.

Project Name: Circuit 79 Street Light Improvements
Type: Non-recurring
Estimated 2022 Cost: \$90,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement and update of lights, poles, wiring, and controllers to meet current standards.

Project Name: Circuit 157 Street Light Improvements
Type: Non-recurring
Estimated 2022 Cost: \$850,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement and update of lights, poles, wiring, and controllers to meet current standards.

Capital Improvements Program

Project Name: Circuits 128 and 80 Street Light Improvements
Type: Non-recurring
Estimated 2022 Cost: \$460,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement and update of lights, poles, wiring, and controllers to meet current standards.

Project Name: Small Circuit Street Light Replacement
Type: Non-recurring
Estimated 2022 Cost: \$225,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement and update of lights, poles, wiring, and controllers to meet current standards.

Electricity subtotal - \$7,960,000

Capital Improvements Program

Water

Project Name: Miscellaneous Erosion Control
Type: Recurring
Estimated 2022 Cost: \$500,000
Funding Source: Voted 2016 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 2022 Cost: \$100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding to provide for unanticipated projects that may arise.

Project Name: Water Main Rehabilitation
Type: Recurring
Estimated 2022 Cost: \$5,550,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
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 2022 Cost: \$30,315,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal decrease
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:

- Atwood Terrace Area
- Greenway Avenue Area
- Aragon Avenue Area
- Homestead Drive Avenue Area
- Varsity Avenue Area
- Roswell Drive Area
- Manchester Avenue Area
- Sunrise Glen Area
- Roosevelt Avenue Area
- Norris Drive Area
- Wellington Boulevard Area
- Lee Ellen Place Area
- Bluefield Drive Area
- Eureka-Fremont Area
- Kent-Fairwood Area
- Palmetto/Westgate Area
- English Way Area

Capital Improvements Program

Project Name: Transit Pipe Rehabilitation
Type: Recurring
Estimated 2022 Cost: \$3,950,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: Minimal decrease
Project Description: General rehabilitation of the water distribution system.

Project Name: Water Main Replacement
Type: Recurring
Estimated 2022 Cost: \$2,700,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Funding for general rehabilitation of water distribution lines to eliminate poor fire flow capabilities and poor water quality.

Project Name: O'Shaughnessy Hydroelectric – Federal Energy Regulatory Committee (FERC)
Type: Non-recurring
Estimated 2022 Cost: \$450,000
Funding Source: Voted 2016 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 2022 Cost: \$1,550,700
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Continuing small improvements of the existing water plant.

Project Name: Hap Cremean Water Plan (HCWP) Miscellaneous Improvements
Type: Recurring
Estimated 2022 Cost: \$125,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Continuing small improvements of the existing water plant.

Project Name: Parsons Avenue Water Plant (PAWP) Facility Miscellaneous Improvements
Type: Recurring
Estimated 2022 Cost: \$125,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Continuing small improvements of the existing water plant.

Capital Improvements Program

Project Name: McKinley Avenue Quarry Misc. Improvements 2021
Type: Non-recurring
Estimated 2022 Cost: \$1,000,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for construction of improvements to the McKinley Avenue Quarry.

Project Name: Automatic Meter Reading
Type: Non-recurring
Estimated 2022 Cost: \$31,900,000
Funding Source: Voted 2016 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 2022 Cost: \$175,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Funding to provide watershed roadway improvements around Griggs, O'Shaughnessy, and Hoover Reservoirs.

Project Name: HCWP Pump Improvements
Type: Recurring
Estimated 2022 Cost: \$200,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding to provide for replacement of various pumps located at the water plant.

Project Name: Water Meter Renewal
Type: Recurring
Estimated 2022 Cost: \$200,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Removal and replacement of domestic water meters.

Project Name: Hoover Dam Improvements – Part 2
Type: Non-Recurring
Estimated 2022 Cost: \$300,000
Funding Source: Voted 2016 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.

Capital Improvements Program

Project Name: Watershed Miscellaneous Improvements Facilities
Type: Recurring
Estimated 2022 Cost: \$125,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Ongoing funding for small capital improvements at the existing dams and reservoirs.

Project Name: Watershed Miscellaneous Protection Easements
Type: Recurring
Estimated 2022 Cost: \$50,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: The establishment of buffer zones along tributaries and streams to the water supply that will minimize the amount of sediment and agrichemicals entering reservoirs and improve water quality.

Project Name: General Engineering Services – Supply Group 2021 A & B
Type: Recurring
Estimated 2022 Cost: \$800,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for general engineering on various capital projects when needed.

Project Name: O'Shaughnessy Hydroelectric and Gatehouse Miscellaneous Improvements
Type: Non-recurring
Estimated 2022 Cost: \$3,187,186
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Improvements to the exterior of the O'Shaughnessy Gatehouse and Hydroelectric Plan that includes masonry rehabilitation and lighting upgrades.

Project Name: Miscellaneous Booster Station and Water Tank Improvements
Type: Recurring
Estimated 2022 Cost: \$4,500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding for booster station and tank improvements for timely replacement of mechanisms to ensure water tanks continue to operate safely.

Project Name: PAWP Hypochlorite Disinfection Improvements
Type: Non-recurring
Estimated 2022 Cost: \$15,000,000
Funding Source: 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.

Capital Improvements Program

Project Name: HCWP Hypochlorite Disinfection Improvements
Type: Non-recurring
Estimated 2022 Cost: \$17,000,000
Funding Source: 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: Fourth Water Plant Quarry Land Acquisition, Design, & Construction
Type: Non-recurring
Estimated 2022 Cost: \$28,000,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Funding to support the purchase of land for sludge disposal for the proposed future fourth water plant.

Project Name: Fourth Water Plant Transmission Main
Type: Non-recurring
Estimated 2022 Cost: \$7,000,000
Funding Source: Voted 2013 Public Utilities G.O. Bonds; Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Significant
Project Description: Funding for planning, design, and construction of transmission main from the proposed water plant to the existing water system.

Project Name: Water Distribution System SCADA Improvements
Type: Non-recurring
Estimated 2022 Cost: \$250,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Repair and replacement of components of the supervisory control and data acquisition (SCADA) system for the Water distribution system.

Project Name: DRWP Laboratory Upgrades
Type: Non-recurring
Estimated 2022 Cost: \$2,000,000
Funding Source: Water Supply Revolving Loan Account Fund
Operating Impact: None
Project Description: To construct upgrades to the Dublin Road Water Plant laboratory including new instrumentation & online analyzers.

Project Name: Residuals Management Plan Update- Part 2
Type: Recurring
Estimated 2022 Cost: \$250,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: To provide general engineering services to continue and complete the Residuals Management Plan Update.

Capital Improvements Program

Project Name: General Architectural Services – Division of Water 2018 & 2021
Type: Recurring
Estimated 2022 Cost: \$600,000
Funding Source: Voted 2016 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: 2020-2022 General Engineering Services- Distribution Group
Type: Recurring
Estimated 2022 Cost: \$600,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: To provide general engineering services on an as needed basis.

Project Name: General Construction Administration and Construction Inspection
Type: Recurring
Estimated 2022 Cost: \$250,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Construction management costs associated with the Division of Water capital improvement projects.

Project Name: Plant Drain and Water System Improvements
Type: Non-recurring
Estimated 2022 Cost: \$6,100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: None
Project Description: Funding to study the plant drainage systems and make recommendations for improvements to bring the systems into alignment with current best practices. This will also improve the plant water systems to reduce leakage, improve reliability, replace aging components, and improve the ease of maintenance.

Project Name: Professional Construction Management (PCM)
Type: Recurring
Estimated 2022 Cost: \$14,500,000
Funding Source: Voted 2016 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 2022 Cost: \$700,000
Funding Source: Voted 2016 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.

Capital Improvements Program

Project Name: Dam Engineering Services
Type: Recurring
Estimated 2022 Cost: \$150,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: To provide dam engineering and design services to be proactive and practice responsible dam safety by conducting recurring assessments and regulatory compliance activities for non-FERC dams.

Project Name: Electrical Power Systems Studies
Type: Recurring
Estimated 2022 Cost: \$300,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: To provide updates and maintenance to the electrical system information as well as conduct an electrical power system study for the Department of Water facilities in order to comply with OSHA and NFPA regulations and guidelines.

Project Name: Department of Water Safety Improvements
Type: Recurring
Estimated 2022 Cost: \$325,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: This project will design and install safety improvements at various Department of Water facilities to comply with OSHA regulations and good safety practices.

Project Name: DRWP Caustic Feed Improvements
Type: Recurring
Estimated 2022 Cost: \$1,050,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds; Water Supply Revolving Loan Account Fund
Operating Impact: None
Project Description: Engineering to modify the existing caustic storage and feed facilities within the DRWP.

Project Name: PAWP Wellfield Development
Type: Non-recurring
Estimated 2022 Cost: \$1,450,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal increase
Project Description: Design and construction improvements to develop a new wellfield and associated raw waterlines based on the PAWP concept plan update project recommendations.

Project Name: PAWP Treatment Residuals Disposal Improvements
Type: Non-recurring
Estimated 2022 Cost: \$21,400,000
Funding Source: Water Supply Revolving Loan Account Fund
Operating Impact: Minimal increase
Project Description: This project will design and construct PAWP residual disposal improvements to convey the plant's residuals streams to the Lockbourne Road Quarry for disposal.

Capital Improvements Program

Project Name: McKinley Avenue Quarry Dewatering Facility
Type: Non-recurring
Estimated 2022 Cost: \$1,100,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Moderate increase
Project Description: Engineering design of a new residuals dewatering facility at the McKinley Avenue Quarry (MAQ)

Project Name: Large Diameter Valve Replacement Part 3
Type: Recurring
Estimated 2022 Cost: \$1,150,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Repair or replacement of critical large diameter valves in the water distribution system.

Project Name: Hudson Street 24" Water Line Improvements
Type: Non-recurring
Estimated 2022 Cost: \$2,450,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Minimal decrease
Project Description: Replacement of the existing water lines with a 24" water main from I-71 to Lexington Avenue.

Project Name: DRWP Residuals Handling Improvements
Type: Recurring
Estimated 2022 Cost: \$1,000,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: Moderate Increase
Project Description: Design and construction of improvements at the DRWP to separate treatment residual streams and convey them to a new dewatering facility at the McKinley Avenue Quarry (MAQ).

Project Name: Lockbourne Quarry Road Embankment Improvements
Type: Non-recurring
Estimated 2022 Cost: \$2,500,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: To provide embankment improvements to the Lockbourne Road Quarry due to signs of erosion.

Project Name: PAWP Pump Improvements
Type: Recurring
Estimated 2022 Cost: \$150,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Repair or replacement of various pumps at the PAWP facility.

Capital Improvements Program

Project Name: DRWP Pump Improvements
Type: Recurring
Estimated 2022 Cost: \$200,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Repair or replacement of various pumps at the DRWP facility.

Project Name: DRWP Filter 17 Flow Controller Replacement
Type: Non-recurring
Estimated 2022 Cost: \$150,000
Funding Source: Voted 2016 Public Utilities G.O. Bonds
Operating Impact: None
Project Description: Replacement of Filter Flow Controller 17 at Dublin Road Water Plant

Water subtotal - \$213,427,886

Public Utilities Total - \$545,622,056

2022 Capital Improvement Budget Total - \$646,087,056

Significant Non-Recurring Projects

Fire Station #16

Department: Public Safety
Construction Management
Planning Area: North Linden
Start Date: August 2019
Completion Date: January 2021
Est. Cost: \$9,408,000
Est. Operating Impact: Minimal

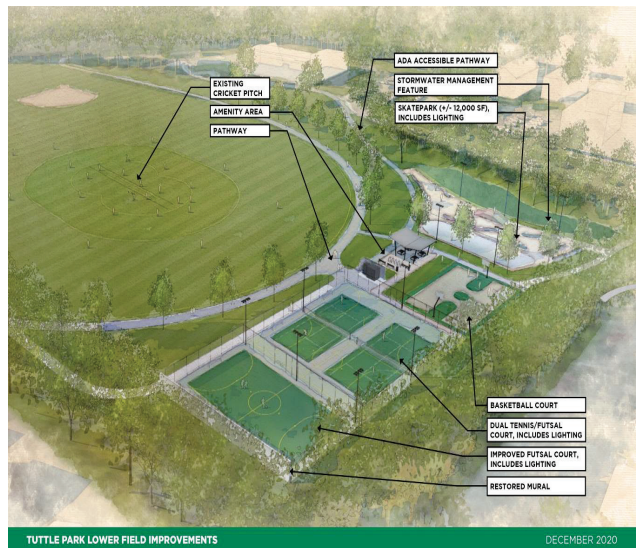


The new Fire Station #16 was constructed to replace the existing Fire Station #16 at Weber Road and McGuffey Road, originally constructed in 1953. This updated, 22,000 sq. ft. station includes three apparatus bays to house engine, rescue, and medic vehicles. In addition, the station is designed with 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.

Site picture of Fire Station #16.

Tuttle Park Improvements

Department: Development
Recreation & Parks
Planning Area: University District
Start Date: 2019
Est. Completion Date: 2022
Est. Cost: \$1,275,000
Est. Operating Impact: Minimal



The Tuttle Park project is a UIRF funded project. This project is in response to several public requests for Tuttle Park improvements during the 2019 University District Plan Process. This construction contract will repair the existing futsal and tennis courts, relocate a new full-size basketball court, improve and expand park lighting, plant 31 trees, and provide a new amenity area with an open shelter, benches, picnic tables, bike racks, and a water bottle re-fill station. Additionally, this contract will build an ADA – accessible route to the lower fields from Oakland Avenue/Tuttle Recreation Center by removing a staircase and creating an ADA-compliant ramp. This contract will enable both projects, the Tuttle Skatepark and Tuttle Park Lower Field Improvements, to be constructed and completed concurrently with all Tuttle Park construction related items by early 2022.

Architectural rendering of finalized project.

Trolley Barn Redevelopment

Department: Development
Planning Area: Franklinton
Start Date: 2019
Est. Completion Date: 2022
Est. Cost: \$4,000,000
Est. Operating Impact: Minimal

Trolley Barn LLC, an Ohio limited liability company will redevelop the former Columbus Electric Trolley Barn property; a historical site that has been vacant for over 25 years. The project is located north of Oak Street between Kelton Avenue and Morrison Avenue in the Downtown Redevelopment District. The project will include approximately 19 stalls of a new fresh food market, business incubator, 14,000 square foot taproom and restaurant, a brewery and redevelopment of the east "CAR Barn" to create a co-working, flex office and locally owned restaurant space. This development is expected to catalyze additional affordable housing, create resources for food in a food desert, and promote economic development with a business incubator.



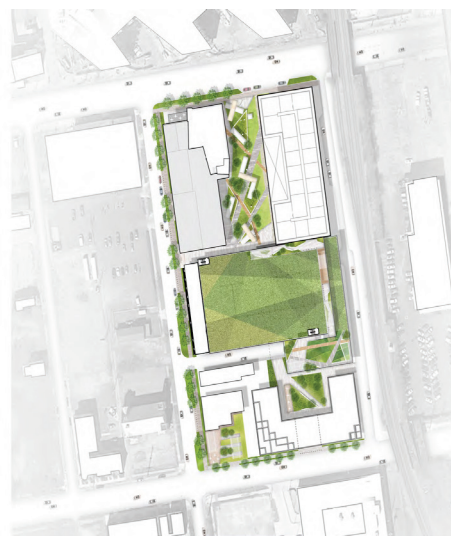
Current Trolley Barn site.

East Franklinton Gravity 2.0 Pedestrian Improvements

Department: Development
Planning Area: Franklinton
Start Date: 2019
Est. Completion Date: 2022
Est. Cost: \$4,000,000
Est. Operating Impact: Minimal

This project consists of replacing sidewalks, installing new curbs and curb extensions to define parking areas, street trees, street lighting and resurfacing of Broad Street, McDowell Street and State Street in East Franklinton. Pedestrian crossings will be added or upgraded to full compliance and wheelchair curb ramps will be built where needed.

The improvements will create a pedestrian-friendly environment on State and McDowell Streets, both with wide rights of way to enhance the feeling of safety. Completion of the improvements will occur in 2022. Homeport will construct 50 units of affordable housing at the site of the former Westside Spiritualist Church located at the southwest corner of McDowell Street and State Street.



Architectural rendering of finalized project.

Glenwood and Windsor Pools Construction

Department: Recreation and Parks
Planning Area: Greater Hilltop and South Linden
Start Date: Fall 2022
Est. Completion Date: Summer 2023
Est. Cost: \$15,000,000
Est. Operating Impact: Minimal

With design in the final stages in late 2021, the Recreation & Parks Department plans to begin construction on the replacement and new build of outdoor aquatics facilities at Glenwood and Windsor Parks. Glenwood and Windsor Pools were constructed in 1972 and 1965, respectively. While each pool has seen renovations and major repairs in each of the past several decades, the expense of the ongoing repair and replacement of components to maintain each of these facilities has become cost-prohibitive. Constructing new modern outdoor aquatic facilities will allow the department to continue serving the nearly 25,000 residents who visit these two pools each year, while expanding our capacity to provide safe, quality and inclusive aquatics programming for residents of all ages and abilities.



Conceptual Design for new Windsor Pool

Ulry Warner Park Design

Department: Recreation and Parks
Planning Area: Rocky Fork - Blacklick
Start Date: Summer 2020
Est. Completion Date: Spring 2022
Est. Cost: \$550,000
Est. Operating Impact: Minimal

Ulry Warner Park is a 45 acre future community park to be developed in the Far Northeast area. The site was acquired in 2013 as parkland reserve in one of the city's fastest growing communities and funds are being provided by the Rocky Fork/Blacklick Tax Increment Funding (TIF) to pay for the design and construction of Phase 1 of the new park.

The scale of park will accommodate a wide range of recreation for all ages and will be accessible to over 4,000 nearby residents.



Context map of Ulry Warner Park

Community Creative Campus Design

Department: Recreation and Parks
Planning Area: Near East
Start Date: Fall 2021
Est. Completion Date: Summer 2022
Est. Cost: \$1,768,000
Est. Operating Impact: Minimal

In 2021 and 2022, Recreation and Parks will complete the design for a new creative and senior facility and park located on 3.9 acres at 51 S. Douglass Street in Olde Towne East. The property, which was purchased using Community Development Block Grant funds, is the site of the former Douglas Elementary School. The existing building will be razed and a new building and surrounding park will be provided.

The design phase in 2021 and 2022 will inform the construction of the new park and the facility will provide a new home for the Golden Hobby Consignment Gift Shop, the maker and wellness spaces of the Martin Janis Senior program, as well as additional new program offerings for Columbus' adult and senior residents. The new site is located just off of a current COTA bus line (Broad St.) and major highway systems and is within a 10 minute walk of nearly 5,000 residents.



Creative Campus Aerial View – 51 Douglass Street

Westside Early Educational Center

Department: Construction Management
Planning Area: Greater Hilltop
Design Start Date: November 2020
Est. Completion Date: June 2022
Est. Cost: \$20,070,522
Est. Operating Impact: Minimal

The new Westside Early Childhood Learning Center is a mixed-use, early learning/two-generational educational facility that will provide needed early learning and adult education/career services programs as well as important community services not currently available or convenient to Hilltop children and families.



Architectural rendering of Early Educational Center

Arterial Street Rehabilitation – Hudson Street – I-71 to Cleveland Avenue

Department: Public Service
Planning Area: South Linden
Start Date: Spring 2019
Completion Date: Spring 2024
Est. Cost: \$20,000,000
Est. Operating Impact: Minimal

The project will reconstruct Hudson Street from I-71 to Cleveland Avenue. The reconstruction will include installing new curbs, reconstruction and modification to the existing median on the east leg of the I-71 at Hudson intersection, a sidewalk on the north side, a shared used path on the south side, street trees, new traffic signals, storm sewers, a new 24" water main, and new ADA curb ramps at intersections

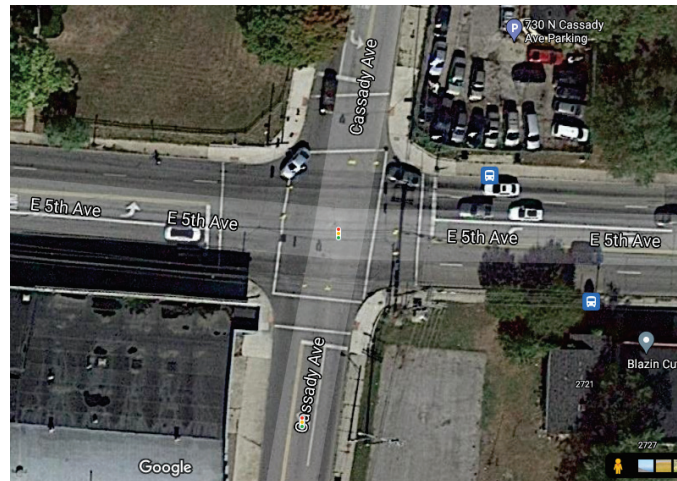


Rendering of the proposed streetscape along Hudson Street.

Arterial Street Rehabilitation – Cassady Avenue Widening

Department: Public Service
Planning Area: East Columbus
Start Date: Spring 2019
Est. Completion Date: Spring 2024
Est. Cost: \$11,000,000
Est. Operating Impact: Minimal

Cassady Avenue improvements consist of the full reconstruction of the roadway to a 3-lane, curb and gutter section with additional turn lanes at the intersection with E. 5th Avenue. Sidewalks will be placed along the east side and a shared use path along the west side. Additional improvements include traffic signal replacement, street lighting, street trees where feasible, and storm sewer. East 5th Avenue improvements consist of roadway reconstruction with additional turn lanes at the intersection with Cassady Avenue. The sidewalk will be replaced along both sides and lighting and utility systems will be replaced/relocated as necessary.

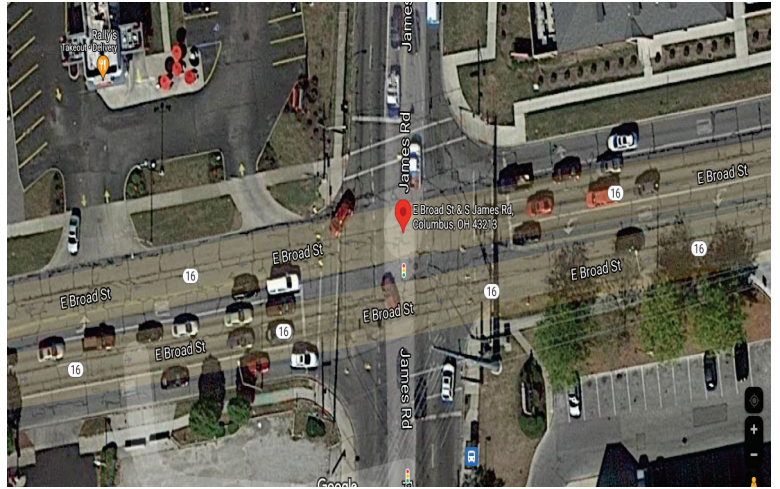


Intersection of Cassady Avenue and E. 5th Avenue.

Intersection Improvement – East Broad Street at James Road

Department: Public Service
Planning Area: Mid East
Start Date: Fall 2019
Est. Completion Date: Spring 2024
Est. Cost: \$8,600,000
Est. Operating Impact: Minimal

This intersection has elevated crash rates due to the high number of left and right turns from James Road, along with problems accessing business driveways. The purpose of this project is to reduce crashes, improve traffic flow efficiency, and to improve pedestrian access and safety at this location by constructing dual southbound left-run lanes and providing protected-only southbound left-turn phasing; constructing exclusive right-turn lanes on northbound and southbound intersection approaches; reconstructing existing signage; modifying signal timings to reduce backups and stops; and installing medians along James Road



Intersection of East Broad Street and James Road

Jackson Pike Wastewater Treatment Plant (JPWWTP) Biosolids Land Application Improvements

Department: Public Utilities
Planning Area: Citywide
Start Date: July 2019
Est. Completion Date: January 2022
Est. Cost: \$12,774,490
Est. Operating Impact: None

Jackson Pike Wastewater Treatment Plant (JPWWTP) uses the digestion process to produce Class B biosolids from the sludge solids that are collected from the wastewater. After the digestion process, the biosolids are thickened and placed in biosolids land application storage tanks. During the spring and fall, these biosolids are pumped from the storage tanks into tanker trucks and taken to area farm fields where it is land applied as a fertilizer. This project will rehabilitate four of the six existing biosolids land application storage tanks, replace the pumping system, and construct a new two-bay truck loadout station.



View of the Jackson Pike Wastewater Treatment Plant.

Blueprint Hilltop/Miller Kelton

Department: Public Utilities
Planning Area: Near South
Hilltop
Start Date: 2022
Est. Completion Date: 2024
Est. Cost: \$52,004,000
Est. Operating Impact: Moderate increase

Hilltop/Miller Kelton is the third phase of Blueprint Columbus projects to be implemented. These projects will provide green infrastructure detention and water quality improvements to rain water that will be redirected from the sanitary sewer system by the inflow and infiltration remediation efforts necessary to comply with the Consent Order requirements of the City's Wet Weather Management Plan. Projects include regional and localized bioretention basins and permeable pavement.



Completed regional bioretention basin.

JPWWTP Digestion Process Expansion

Department: Public Utilities - Sanitary
Planning Area: Citywide
Start Date: September 2023
Est. Completion Date: March 2027
Est. Cost: \$43,000,000
Est. Operating Impact: None

The Jackson Pike Wastewater Treatment Plant collects the sludge solids from the plant's primary and secondary clarifiers and pumps them to thickening processes, then the thickened sludge solids are pumped to storage tanks. From the storage tanks, the thickened sludge solids are pumped to covered digestion tanks. The solids are left in the digestion tanks for 15 days in anaerobic conditions. These conditions allow reactions that reduce the plant's solids volume by approximately 40% and produces methane. The end product of this process is sludge that can be further thickened and used as a fertilizer on area farm fields or dewatered and mixed with compost to produce a soil amendment. The methane from this process can be used as fuel for the plant's boilers and will be used as a fuel for electric generation in the near future. The existing digester process is nearing the end of its useful life. This project will renovate the digester process.



Digesters at the Jackson Pike Wastewater Treatment Plant

Hoover Dam Improvements - Phase 1

Department: Public Utilities
Planning Area: Citywide
Start Date: 2020
Est. Completion Date: 2022
Construction Budget: \$15,381,250
Est. Operating Impact: None

This project will make improvements to the dam to maintain a reliable water supply and extend the life of this critical asset. Work will include replacing dam equipment (gates, valves, piping etc.) and other systems (electrical, dehumidification, etc.). Many of these elements are original to the dam, built in the 1950s, and are in need of replacement or repair due to age related deterioration. The project will be substantially complete in 2022.



View of Hoover Dam spillway showing the temporary cascade aerators installed under this project

Southerly Wastewater Treatment Plant (SWWTP) Digestion Process Expansion

Department: Public Utilities – Sanitary
Planning Area: Citywide
Start Date: January 2022
Est. Completion Date: March 2025
Construction Budget: \$21,860,109
Est. Operating Impact: None

The recently constructed Chemically Enhanced Primary Treatment (CEPT) process increased Southerly Wastewater Treatment Plant's peak solids loading. This project will expand the digestion process to handle the increased peak solids loading. The expansion includes a new digester (Digester 7), a new electrical building, expansion of Tunnel C, and replacement of the steel cover on Digester 6.



View of the current digesters at the Southerly Wastewater Treatment Plant.
