



City of Worthington, Ohio

2018-2022 Capital Improvements Program

Adopted – December 4, 2017

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Capital Improvements Program Overview

The five-year Capital Improvement Program (CIP) for 2018-2022 presents the City's plan for infrastructure development and improvements. The CIP is evaluated annually to ensure funding and to update the project and equipment needs and costs of the City.

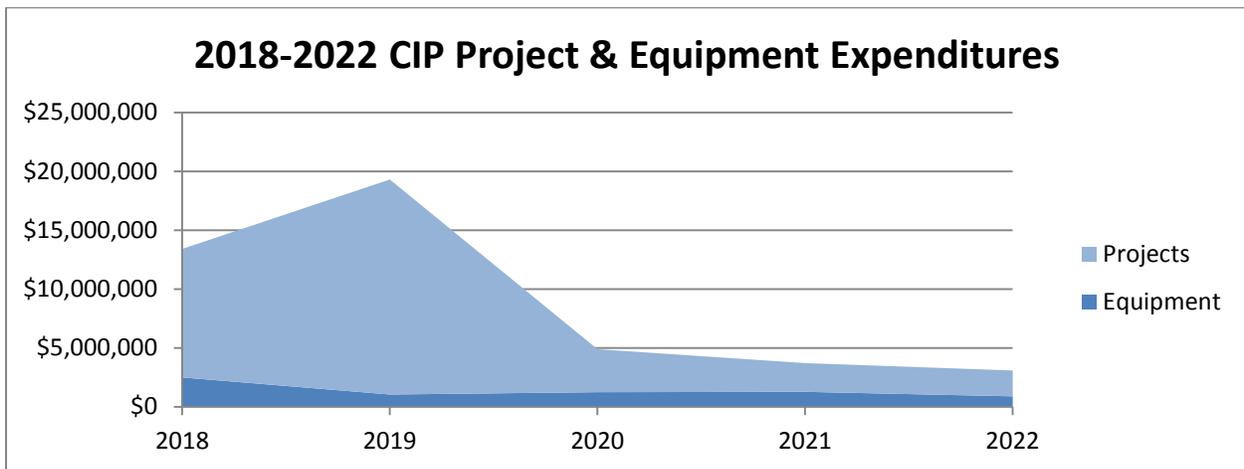
The CIP identifies the City's intended capital expenditures. The City defines capital items as:

1. New construction projects and buildings valued in excess of \$5,000.
2. Major equipment and vehicles valued in excess of \$2,500 and with a life expectancy of five years or more. Where a number of non-expendable items were in excess of \$2,500, they are included.
3. All projects requiring borrowing.
4. All land purchases regardless of value.
5. All land improvements valued in excess of \$5,000.
6. Major equipment valued at \$2,500 or more required to furnish new buildings or other projects.
7. Major building improvements that are not routine expenses and that substantially enhance the value of the structure.
8. All projects which, while maintenance and/or repair in nature, prolong the life of public facilities.

Worthington is a built-out community that primarily focuses on redevelopment. As a result, the City's capital investments are primarily focused on maintaining the existing infrastructure. The CIP includes a number of ongoing programs and individual projects that renovate and repair the City's streets, buildings, parks and other infrastructure.

The 2018-2022 CIP expenditures, taking into account all funding sources, reflect higher than typical project expenses in 2018 and 2019. The 2018 increase is driven by investment in HVAC improvements at the Community Center; a waterline project on East Wilson Bridge Road; and utility relocation and right of way acquisition related to the intersection project at Huntley, Wilson Bridge and Worthington Galena Roads. The 2019 increase in project expenditures is due to the construction of the improvements to the intersection at Huntley, Wilson Bridge and

Worthington Galena Roads; the Kenyonbrook Trunk Sanitary Sewer project; and construction of a shared use path along East Wilson Bridge Road. The higher equipment expenditures in 2018 are due primarily to investments in information technology recommended by the IT Assessment completed by the City. Actual equipment expenditures are anticipated to be higher in later years of the CIP than currently shown as it is difficult to predict the equipment needs further into the future.



The City has four years remaining on the debt associated with the Community Center expansion and the renovations of the Police Building. In addition, the City is utilizing debt to fund a number of more expensive projects, most notably the mandated sewer projects associated with a Consent Order with the Ohio Environmental Protection Agency. The combination of these debt commitments is resulting in an increase in the amount of CIP resources dedicated to debt payments.

The City has a number of buildings that need investment due to their age. The CIP includes roof projects at the Louis J.R. Goorey Municipal Building, the Fire Station and the older portion of the Community Center, and repair or replacement of the windows and doors at the Municipal Building. Given the active public use of the Community Center, there are a number of maintenance projects in the 2018-2022 CIP for that building.

The City plans to issue municipal bonds in 2018 to reimburse itself for projects already completed that were scheduled to be funded via bonds and to obtain the revenue needed to execute the projects scheduled for bonding in the 2018-2022 CIP. A second bond issue during this five year period is planned for 2021. The reimbursement amount to be included in the 2018 bond issue provides a higher level of revenue in 2018 than is typically available in any given year in the CIP. The City will also receive reimbursement from license tax funding in 2018 for the 2017 expenditures associated with the resurfacing of Huntley Road. This results in the ability to include more projects and equipment in 2018 than would typically be able to be

accommodated in a year. In recognition of City Council's expressed priorities for this five-year program, funding has been allocated for Parks Master Plan recommendations, bicycle and pedestrian accommodations, information technology investments identified by the IT Assessment and the beginnings of a program focused on waterlines.

City Council Priorities

Prior to the development of the 2018-2022 CIP, the City Council discussed its priorities for the program. Each of the priorities is listed below with information on how the priorities are addressed in the CIP.

- *Find ways to implement recommendations from the Parks Master Plan*

The CIP includes a project for renovation of McCord Park, to be funded via bonds. The amounts included in the CIP are subject to change as the City concludes and ultimately adopts a Master Plan for the park. The CIP also includes funding for a restroom facility at the Olentangy Parklands, pickleball courts, replacement of playgrounds at East Granville Road Park and Shaker Square, and replacement of drinking fountains in the parks.

- *Continue and possibly increase investment in bicycle and pedestrian accommodations*

The CIP continues the annual \$100,000 allocation for bicycle and pedestrian improvements. Additionally, it includes funding in 2018 for the development of a Bicycle and Pedestrian Master Plan. The \$800,000 reflected in previous years for enhancements along the Wilson Bridge Road corridor has been allocated specifically to the installation of a shared use path along East Wilson Bridge Road. The City anticipates pursuit of grant funding for this project. The CIP includes funding for the design of the path and for the City's match for grant funds that may be awarded. Major improvements for bicyclists and pedestrians are included in the Northeast Gateway project at the intersection of Wilson Bridge, Worthington Galena and Huntley Roads. This project includes the installation of bike lanes, sidewalks and a shared use path along various legs of the new intersections.

- *Connect the bike lanes to be constructed with the Northeast Gateway Project at the intersection of Wilson Bridge, Worthington Galena and Huntley Roads with the bike lanes on Schrock Road*

This portion of Huntley Road is scheduled to be resurfaced in 2021. The project listed in the CIP for the repaving (arterial improvement) includes funding for a shared use path in this area.

- *Invest in the Wilson Bridge Road corridor*

A shared use path currently exists along West Wilson Bridge Road. City Council has indicated one of its top priorities is to continue the path along East Wilson Bridge Road to the Community Center. Previous CIPs have included funding for general enhancements along the corridor. The 2018-2022 CIP focuses the funding on the extension of the shared use path. Funding is provided in 2018 for the design of the path and in 2019 to match grant funds that the City will pursue for construction of the path.

There is an opportunity to use accrued tax increment financing (TIF) revenues from The Heights project for enhancements along West Wilson Bridge Road. This is not reflected in the CIP because additional discussion is needed to determine the scope of such a project.

- *Begin looking at water lines that may need to be replaced*

The CIP includes a waterline project on East Wilson Bridge Road in 2018 to be funded via bonds. This line experiences numerous breaks and is proposed to be replaced prior to the repaving of East Wilson Bridge Road scheduled for 2019. Additionally, the CIP includes funding for an inventory and assessment of the City's waterlines in 2019. Annual funding begins in 2021 to begin implementation of projects recommended by the inventory and assessment.

Capital Improvements Program Funding Sources

CIP Fund/Income Tax - The primary funding source for the City's CIP is income tax revenue. The City levies a 2.5% income tax. Twenty percent (20%) of the revenue collected from the income tax is allocated to the CIP and placed in the CIP Fund. Annual income tax revenue for the CIP Fund is projected to range from \$5,158,874 to \$5,584,131 for 2018-2022.

Bonds – The City can issue municipal bonds to finance capital infrastructure and equipment. The 2018-2022 CIP anticipates the issuance of bonds to fund six sanitary sewer projects, HVAC and lighting improvements at the Community Center, replacement of the Fire Station roof, replacement of windows and doors at the Louis J. R. Goorey Municipal Building, replacement of a waterline along East Wilson Bridge Road, renovations to McCord Park, work at the Huntley / Wilson Bridge / Worthington Galena intersection (the Northeast Gateway Project), and a shared use path along East Wilson Bridge Road.

Assessments – The City utilizes special assessments to charge property owners for work that benefits their property. The 2018-2022 CIP anticipates assessments for sidewalk repairs that occur in conjunction with the City's annual street and sidewalk improvement program.

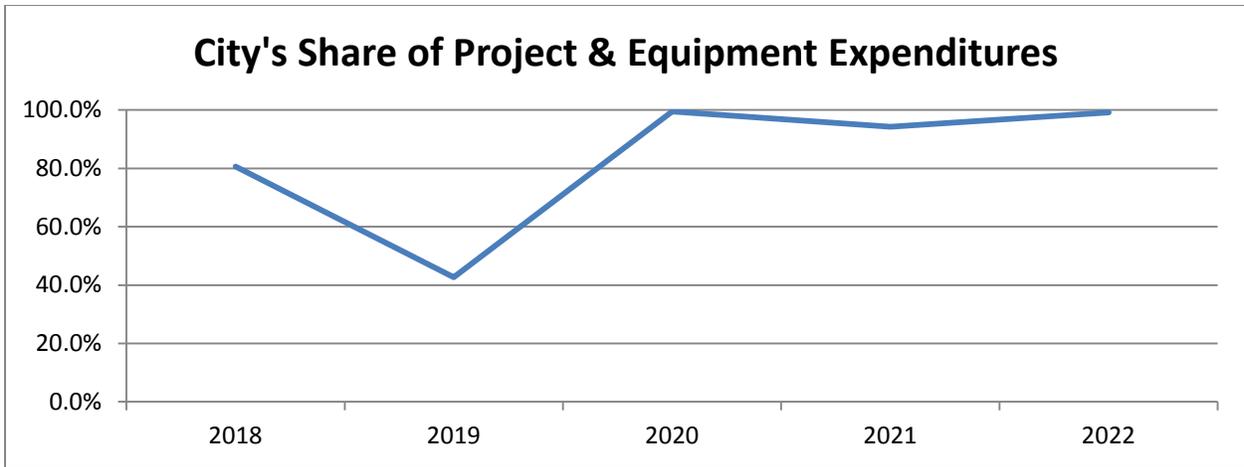
MMVLT - The Municipal Motor Vehicle License Tax (MMVLT) is a tax on vehicle license plates and is used to partially fund street resurfacing through the annual street and sidewalk improvement program.

License Tax – The County receives funds from a tax on license plates and makes them available for repairs to major arterial roads that are not designated as State routes. The City requests these funds for specific road projects. The 2018-2022 CIP utilizes these funds for resurfacing of East Wilson Bridge Road, a small portion of Huntley Road, Schrock Road, and the southern portion of High Street.

State Funding – The City monitors various funding sources offered by the State of Ohio to identify opportunities for utilizing those funding sources on City projects. The 2018-2022 CIP does not include any State funding.

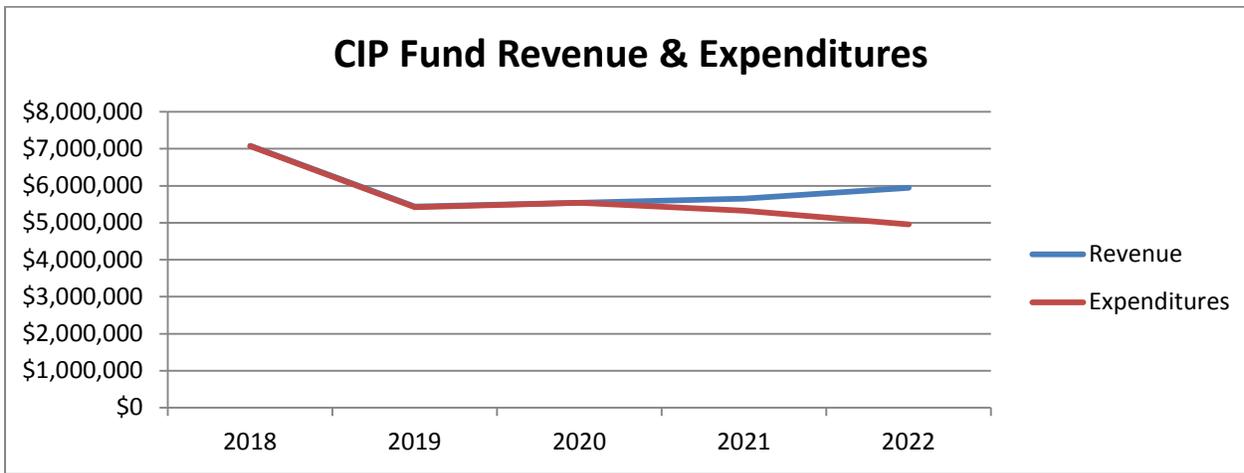
Other – At times, the City is successful in obtaining funding from other sources. The 2018-2022 CIP anticipates federal transportation funds allocated by the Mid-Ohio Regional Planning Commission (MORPC) for the Huntley / Wilson Bridge / Worthington Galena intersection. It also indicates grant funds for the construction of a shared use path along East Wilson Bridge Road and for replacement of self-contained breathing apparatus for the Fire Division. The CIP also includes the replacement of a loader utilizing a lease arrangement.

The revenue used to fund the expenditures in the 2018-2022 CIP can be evaluated to determine the amount from City sources and the amount from other sources. The City sources in the CIP are the CIP Fund/income tax, bonds, MMVLT and some of the “Other” revenue. Non-City sources in the CIP are assessments, license tax, State and some of the “Other” revenue. The City sources share is typically 90% or higher, however the percentage drops to 81% in 2018 and 43% in 2019 due to the large amount of federal funding in the intersection project at Huntley, Wilson Bridge and Worthington Galena Roads and grant funds for the shared use path along East Wilson Bridge Road and for the purchase of the Self Contained Breathing Apparatus equipment for the Fire Division.



Capital Improvements Fund Revenue, Expenditures & Fund Balance

The CIP Fund is the primary funding source for the City’s financial share of the CIP. It receives the income tax revenue that is allocated for capital improvements along with revenue from the Municipal Motor Vehicle License Tax (MMVLT). The Fund also reflects debt proceeds when the City anticipates the issuance of bonds, license tax revenue when it anticipates reimbursement from County license tax funding and grant funds when it anticipates receipt of a grant that will reimburse the City. When excluding revenue and expenditures associated with bonded projects, the 2018-2022 CIP Fund has expenditures essentially equal to revenue in the first three years, with revenue exceeding expenditures in the last two years of the CIP.



The CIP Fund has four categories of expenditures:

1. Projects - Projects involve investments in capital infrastructure of the City such as streets, sewers, buildings and parks. Some large projects are funded via municipal bonds, while

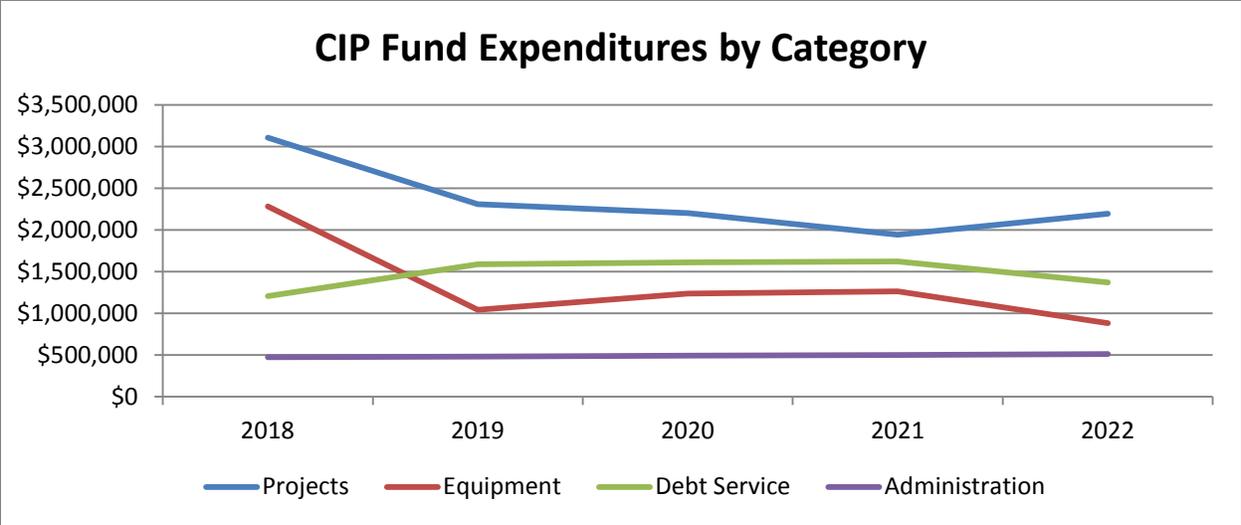
most of the projects are paid from the City's cash on hand. The total annual amount allocated in the CIP Fund for all projects ranges from \$2,196,500 to \$8,569,103. Excluding projects scheduled for bonding, the annual amount allocated for projects ranges from \$1,942,500 to \$3,107,000.

2. Equipment – Most of the equipment investment that occurs in the CIP involves the replacement of existing City-owned equipment such as dump trucks, fire and emergency medical vehicles, recreation buses, police cars, administrative vehicles, backhoes and street sweepers. Occasionally, the CIP will include the purchase of new equipment that is being added to the City's inventory. This is typically information technology equipment. In the 2018-2022, the annual amount in the CIP Fund allocated for equipment ranges from \$883,000 to \$2,284,200.
3. Debt payments – The City sometimes finances capital items through loans or the issuance of temporary notes or municipal bonds. Additionally, the City sometimes acquires large pieces of equipment via leases. The annual debt and lease payments are paid out of the CIP Fund. These annual payments in the 2018-2022 CIP range from \$1,206,251 to \$1,621,350.
4. Administration - There are various administrative costs associated with the projects and equipment purchases in the CIP. These costs are associated with collecting the revenue, insurance and legal services. These administrative costs range from \$472,260 to \$511,189 in the 2018-2022 CIP.

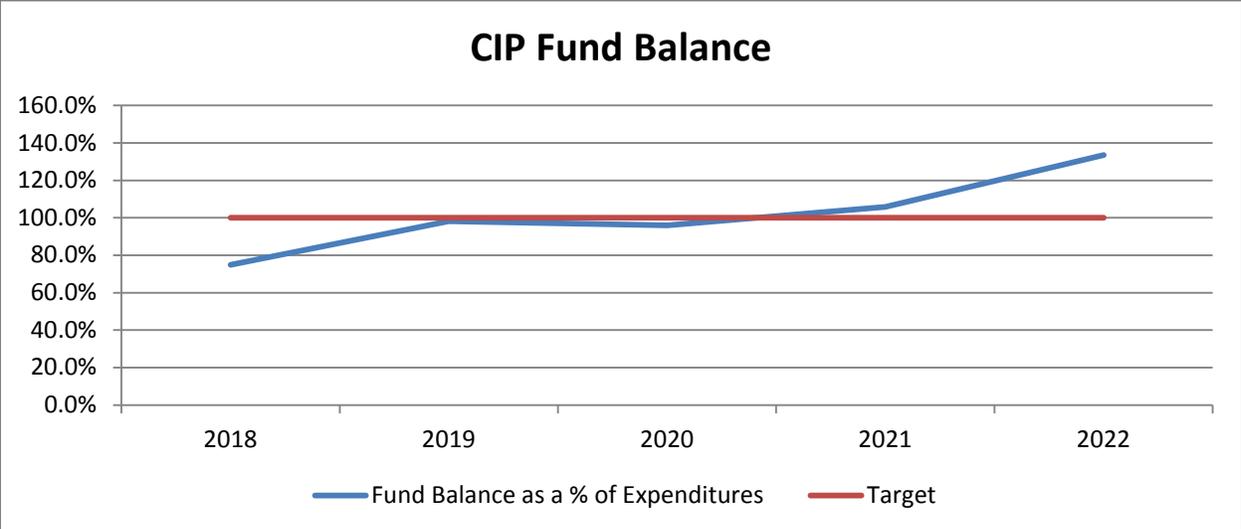
When excluding projects to be bonded, project expenditures are higher in 2018 and drop to a lower level in the other four years of the program. This is due to greater revenues in 2018 related to reimbursement revenue to be included in the 2018 bond issuance as well as the license tax reimbursement to be received in 2018 for the 2017 expenditures for resurfacing Huntley Road. The exclusion of bonded projects level out the expenditures since the largest projects funded by the City are typically bonded.

Equipment expenditures are higher in 2018 than in the other four years driven primarily by investments in information technology recommended by the IT Assessment completed by the City. Actual equipment expenditures are anticipated to be higher in later years of the CIP than currently shown as it is difficult to predict the equipment needs further into the future.

The City's debt service payments trend upward due to anticipated bond issuances in 2018 and 2021. These payments are partially offset in 2022 by to the conclusion of payments on the debt issues for the Community Center expansion and renovation of the Police Building.



The fund balance is the amount of money left in the fund after the revenue has been received and the expenditures have been paid. The City’s goal is to maintain a projected CIP Fund balance at the end of each year approximately equal to the amount of projected expenditures for that year. Since the income tax revenues flow into the CIP Fund throughout the year, this practice ensures there is adequate cash in the fund to proceed with the projects and equipment purchases at any time during the year. By maintaining a level fund balance across the five years, the City’s capital expenditures in each year are approximately equal to the revenue collected in each year. Excluding the new bond revenue and the cost of new bonded projects, the fund balance target is not met in 2018 due to the higher level of expenditures planned associated with the additional revenue anticipated to be received in 2018. The other four years of the CIP reflect an actual fund balance that is very close or exceeds the targeted fund balance.



Categories of Projects

The City has seven categories of projects to assist with determining the importance of each one.

Previous Project Commitments – This category includes projects that involve previous commitments by the City. The 2018-2022 CIP does not have any projects in this category.

Legal Mandates – This category includes projects the City is legally mandated to complete. The 2018-2022 CIP includes a number of sanitary sewer projects that are mandated by a Consent Order between the Ohio Environmental Protection Agency and the City.

Essential for Basic Services – This category includes projects that must be completed in order to continue to provide the level of basic services that has historically been provided by the City. The 2018-2022 projects in this category maintain existing infrastructure of the City such as streets, sidewalks and buildings.

Improvement to Basic Services – This category includes projects that enhance an existing service offered by the City. The 2018-2022 projects in this category primarily include renovations to parks and playgrounds as well as investments in the Old Worthington business area.

Enhancement / Discretionary – This category includes projects that provide something new that has not been historically provided by the City. The 2018-2022 projects in this category include enhancements to the bike and pedestrian improvements, wayfinding signage, the East Wilson Bridge Road shared use path, a restroom facility at the Olentangy Parklands, pickleball courts, and a bicycle and pedestrian master plan.

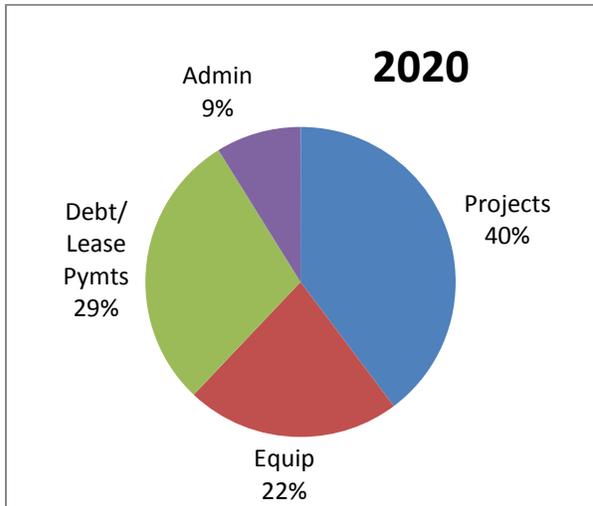
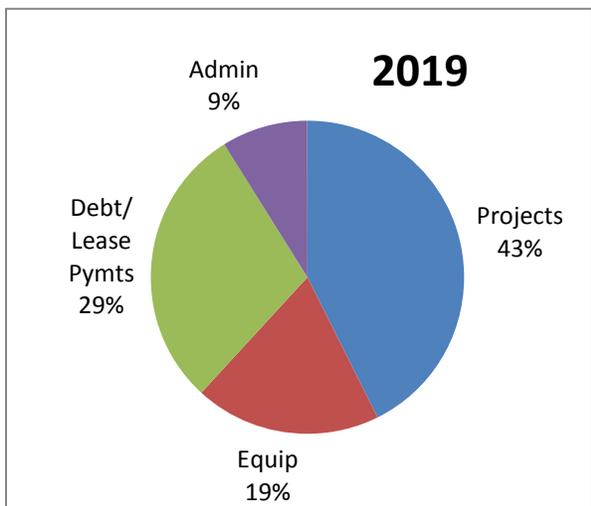
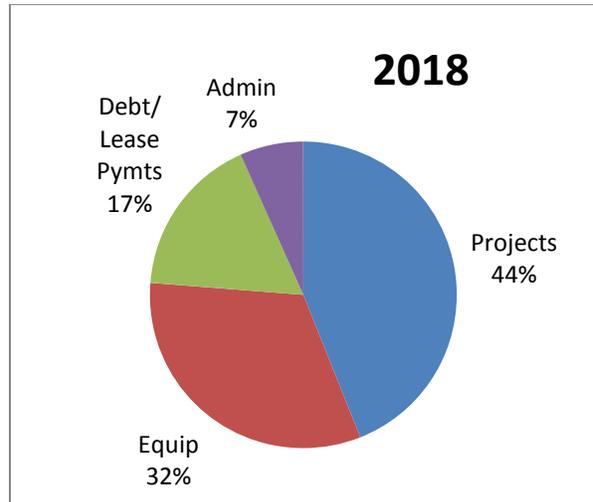
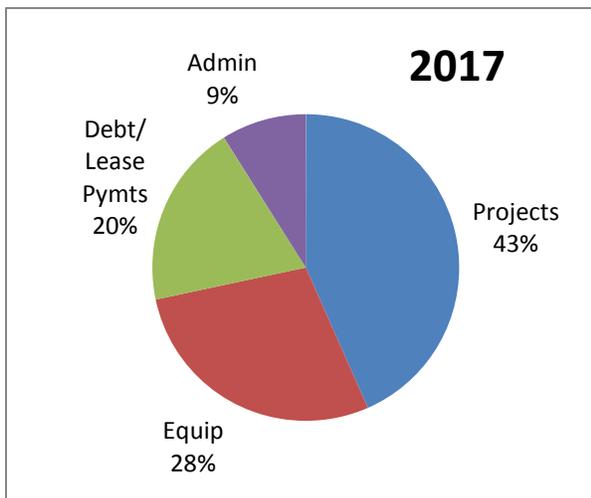
Assessment Projects – This category includes projects that involve special assessments on properties that benefit from the project. The 2018-2022 CIP does not have any projects in this category.

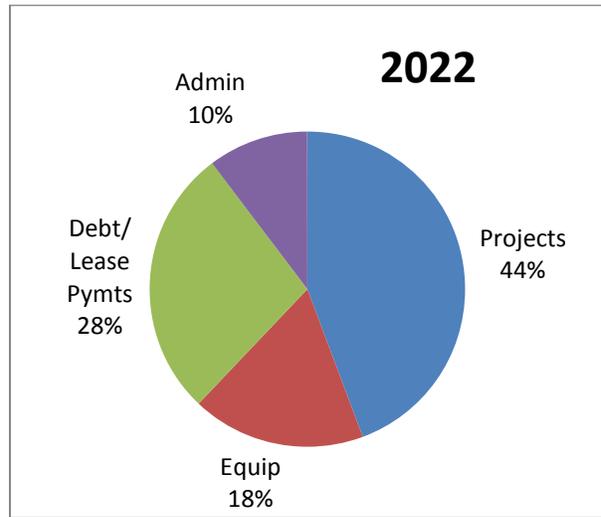
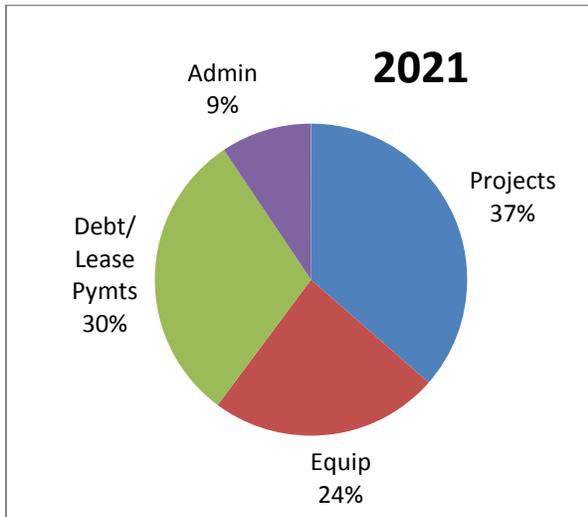
Need for Further Review – This category includes projects that need additional evaluation and consideration. The 2018-2022 CIP has no projects in this category.

Capital Improvements Program Comparisons

The City’s allocation of expenditures from the CIP Fund across the four categories of projects, equipment, debt service and administration varies from year to year depending on identified needs. The following charts show the percent of expenditures allocated to each area by year, including a comparison with 2017. Under the CIP, the CIP Fund has a fairly consistent percentage dedicated to projects. Equipment expenditures are a higher percentage in 2019 due in part to more resources dedicated to debt/lease payments and a typical amount of projects already identified. Equipment expenditures in later years are anticipated to increase as more is known about equipment that will need to be replaced. Debt service as a percentage of expenditures increases across the five years due to bond issuances planned for 2018 and 2021. The cost of the new bond issuances is partially offset after 2021 when the City concludes payments on the debt associated with the Community Center expansion and renovation of the Police Building.

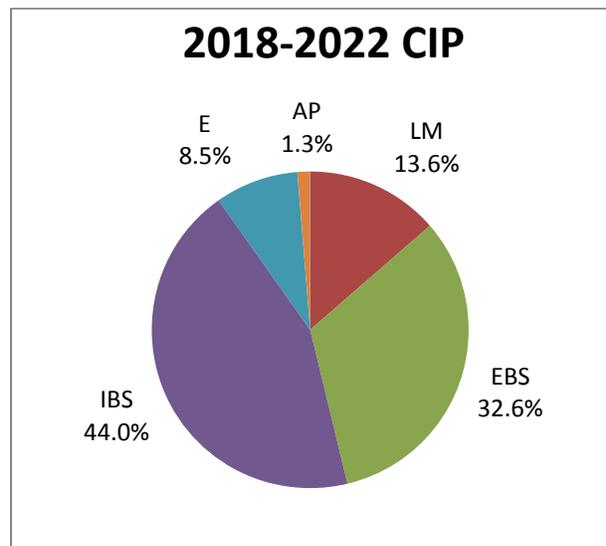
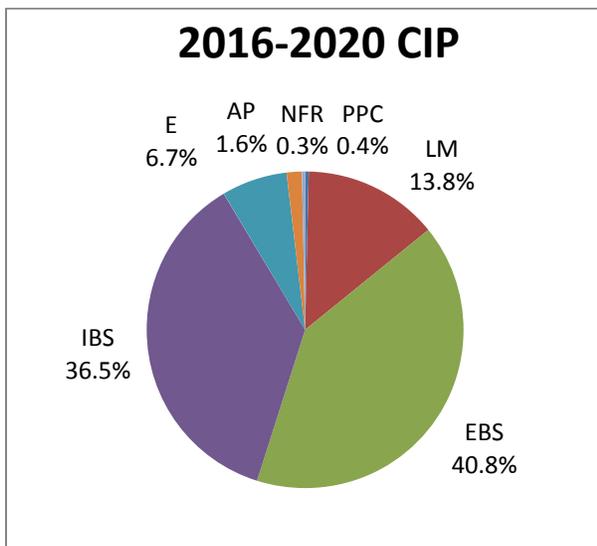
CIP Fund Categories of Expenditures





The type of projects in each year across all funding sources is compared in the following charts. The projects are grouped into the categories of Previous Project Commitments (PPC), Legal Mandates (LM), Essential for Basic Services (EBS), Improvements to Basic Services (IBS), Enhancement / Discretionary (E), Assessment Projects (AP) and Need for Further Review (NFR). These categories are explained in the previous section. The 2018-2022 CIP does not have any projects in the categories of Previous Project Commitments, Need for Further Review or Assessment Projects.

Types of Projects



Existing and Anticipated Debt

The City's 2018-2022 CIP includes annual debt and lease payments ranging from \$1,206,251 to \$1,621,350. This is a combination of payments on existing debt and payments on anticipated debt.

The City's existing debt obligation consists of the following breakdown:

2015 Refunding Bonds for the Police Division and Community Center Improvements

Interest: 1.62%

Original Issuance: \$4,590,000

Remaining Principal as of 1/1/2018: \$3,040,000

Principal Payment due in 2018: \$740,000

Interest Payment due in 2018: \$49,248

20 Year Loan from the Ohio Public Works Commission for ADA Ramps at Intersections

Interest: 0%

Original Issuance: \$156,201

Remaining Principal as of 1/1/2018: \$78,100.49

Annual Payments: \$7,810.06

30 Year Loan from the Ohio Public Works Commission for Kenyonbrook Sanitary Sewer

Interest: 0%

Original Issuance: \$612,816

Remaining Principal as of 1/1/2017: \$561,747.96

Annual Payments: \$20,428

2017 Various Purpose Bonds for Northeast Gateway Design, Sanitary Sewer Repairs & Bond Anticipation Note Repayment

Interest: 2.21%

Original Issuance: \$3,960,000

Remaining Principal as of 1/1/2018: \$3,745,000

Principal Payment due in 2018: \$220,000

Interest Payment due in 2018: \$82,764.50

The City has \$1,058,300 in current projects scheduled to be bonded. These include the design of the Northeast Gateway project at the intersection of Wilson Bridge, Worthington Galena and Huntley Roads, the replacement of the south end roof at the Community Center and the design of the Northbrook Sewer. These projects are anticipated to be included in the 2018 bond issuance.

The 2018-2022 CIP includes additional debt for the following projects:

Northbrook Relief Sewer Phase II (construction)	\$488,000
Kenyonbrook Trunk Sewer Improvement	\$1,210,000
Oxford Court/SW Additional Sanitary Improvement	\$300,000
North Districts Sanitary Sewer Improvements	\$500,000
North Districts Sanitary Sewer Repairs & Lining	\$250,000
West & Industrial Districts Sewer Improvements	\$500,000
Community Center HVAC & Lighting Improvements	\$1,000,000
Fire Station Roof Replacement	\$330,400
Municipal Building Windows & Doors	\$138,000
Waterline Replacement – East Wilson Bridge Road	\$1,000,000
McCord Park Renovations	\$850,000
Huntley / Wilson Bridge / Worthington Galena Intersection*	\$4,959,956
East Wilson Bridge Road Shared Use Path	\$800,000

* The City has applied for Ohio Public Works Commission funding to help offset the costs associated with the Huntley / Wilson Bridge / Worthington Galena intersection improvements. If funding is provided, it will reduce the amount the City will need to bond.

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2018								
Northbrook Relief Sewer Phase II (construction)	S&E	LM		\$ 488,000				\$488,000
Replacement of the trunk sanitary sewer between High Street and Northbrook Subdivision. This project was recommended in the Southeast Sewer Shed Study / Master Plan, which was conducted in compliance to the Consent Order between the Ohio Environmental Protection Agency and the City of Worthington. Easement issues have delayed this, the Kenyonbrook, and Hardy Way Sewers								
Kenyonbrook Trunk Sewer Improvement (design)	S&E	LM		\$160,000				\$160,000
Replacement of the Kenyonbrook Trunk Sewer from High Street to New England Avenue. This section of the trunk sewer was identified as in need of replacement as part of the Southeast Sewershed Study. Cost is for Design								
Hardy Way Sanitary Sewer Relocation	S&E	LM	\$133,000					\$133,000
Replacement of the sanitary sewer serving the Hardy Way area. These sewers were evaluated in the Southeast Sewershed Study. The existing sewer is not located in a public easement and is recommended for replacement.								
Street & Sidewalk Improvement Program	S&E	EBS	\$875,000		\$25,000			\$900,000
This project consists of improvements to various streets throughout the City based on a prioritized analysis of the City's street system. Work typically includes curb & gutter repair, asphalt overlay, asphalt patching, and miscellaneous concrete repairs. The project includes the repair of sidewalks that do not meet standards for safety and condition. Repair costs for sidewalks adjacent to private property are paid by respective property owners. Overlay or sealing of parking lots is sometimes included based on need and budget. Street and sidewalk surveys, plan and specification preparation and project administration are proposed to be performed by the Department of Service & Engineering. MMVLT revenues in the amount of \$150,000 each year are transferred into the CIP Fund to help fund this project.								
Building Improvement Program	S&E	EBS	\$200,000					\$200,000
Annual project consisting of improvements needed to maintain the City buildings in good condition. As an ongoing project, buildings are evaluated annually and repairs are prioritized based on available funding. The Community Center is not included due to its intense public use, larger scale and specialization of projects.								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2018								
HVAC Improvements	S&E	EBS	\$160,000					\$160,000
The project provides funding to begin to address the HVAC replacement needs at various city buildings estimated to be over \$220,000. The needs will be prioritized								
Traffic Signal Improvement Program	S&E	EBS	\$50,000					\$50,000
Bi-annual project for the replacement and updating of traffic signal equipment at various signalized intersections in the City. Improvements are prioritized by repair history, equipment obsolescence and service life.								
Community Center Door Access Controls	P&R	EBS	\$6,500					\$6,500
As a part of the security assessment conducted by the city, recommendations were made to utilize door access controllers when possible. The current door access system on the Community Center safe room door is outdated and no longer supported, so in replacing it we are proposing to also replace the north staff entrance door as a trial to determine effectiveness of utilizing this type of system for staff access to the facility.								
Community Center HVAC & Lighting Improvements	S&E	EBS		\$1,000,000				\$1,000,000
This project makes improvements to the Community Center HVAC system and lighting in the Natatorium. An earlier study was completed to provide evaluate options for HVAC improvements. The study identified several options; this project provides a budget equal to the least expensive one. The project will be completed using ORC 717.02 "Installment payment contracts for energy conservation measures" and will involve a new study to evaluate alternatives, followed by implementation of a selected alternative. The light fixtures in the natatorium are deteriorating due to the high chlorine environment in the pool. These lights have been listed in past CIP documents but the replacement delayed as an evaluation was included in the pending HVAC study. Staff anticipate the longest we can hold off on the replacement of these fixtures is the summer of 2018 due to their condition.								
Community Center Parking Lot Reconstruction	S&E	EBS	\$175,000					\$175,000
Reconstruction of the parking lot for the Community Center. The project will be phased over two years. Costs may change depending on McCord Park master planning								
Fire Apparatus Bay Exhaust & Heating System	S&E	EBS	\$126,000					\$126,000
This project provides a system for removing vehicle exhaust from the building and circulates air for ventilation. The current system is no longer functioning as it should and needs replacement. The project also provides a new heating system to replace the "tube" heaters that heat the apparatus bays, and other improvements as identified by FD								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2018								
Fire Hydrant Replacement & Painting	S&E	EBS	\$50,000					\$50,000
Painting and replacement of deteriorating fire hydrants								
Fire Station Roof Replacement	S&E	EBS		\$330,400				\$330,400
Replacement of the roof on the Worthington Fire Station, which has been evaluated and has reached the end of its useful life. Funding was provided in 2017 for design work with the construction scheduled for 2018. Design is estimated at \$35,400 and construction at \$295,000								
Fleet Garage Floor Drain System and Lift	S&E	EBS	\$165,000					\$165,000
Our HD Truck Lift is very unreliable and is becoming a safety concern. There is no sump pump in the lift and there will need to be drainage added to remove the current water retention problem. The lift does not pass annual inspections, floor tubs have corroded and the concrete is pushing in.								
Fuel Dispensing System and Tank Farm	S&E	EBS	\$175,000					\$175,000
Removal of the tanks and fuel dispensing system at the Highland Avenue complex. The tank system is beyond its expected life and uses old analog dispensers. The tubs do not meet current code and the underground tanks are old. This project includes the evaluation of alternative fuel capabilities and joint user options with partner agencies. Removal of the tanks is estimated at \$93,000. The remaining funds will be allocated to soil remediation and site planning for use of the space.								
Municipal Building Roof Replacement	S&E	EBS	\$93,000					\$93,000
Replacement of the Municipal Building Roof.								
Municipal Building Window and Door Replacements (Construction)	S&E	EBS		\$138,000				\$138,000
The windows and exterior doors at this facility are in various states of decay and have been repaired periodically in order to help extend the life of the windows. The window and door systems are in need of replacement and/or repair in order to restore them to a maintainable condition. For budgetary purposes, construction assumes complete replacement of all windows and exterior doors (at main entrances)								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2018								
Old Worthington Street Light and Mast Arm Rehabilitation Project	S&E	EBS	\$85,000					\$85,000
Conversion of the Old Worthington street light system to LED and the painting of street light supports and decorative mast arm traffic signal supports in the City. This project will be phased over two years.								
SR 315 Pavement Maintenance	S&E	EBS	\$75,000					\$75,000
ODOT is planning pavement maintenance work on SR 315 between SR 161 and I-270, (Project FRA-IR270-21.69). Tentatively, the start of construction will be in the Spring of 2018 with completion in the Fall of 2018. This project includes an allowance of \$75,000 for basin repair and light poles.								
Waterline Replacement - East Wilson Bridge Road (RR tracks to Curve)	S&E	EBS		\$1,000,000				\$1,000,000
Design & Replacement of 8" Water line on East Wilson Bridge Road								
Urban Forestry Restoration	P&R	IBS	\$7,500					\$7,500
Annual program to replace trees around city facilities, parks, and/or in key city corridors. The Arbor Advisory Committee works with City arborists to determine each year's project site.								
CBD Paver Renovation	S&E	IBS	\$20,000					\$20,000
This is a phased project over four years to remove, level and reset sidewalk pavers from the Village Green Drive South to South Street								
CBD Holiday Decoration Replacement	S&E	IBS	\$45,000					\$45,000
Replace the holiday decorations for the Central Business District (Old Worthington) corridor								
Community Center Water Slide Refurbishing	P&R	IBS	\$4,500					\$4,500
Resurfacing of the large water slide in the Community Center to bring back the original shine and look.								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2018								
Granby Street Storm Drainage	S&E	IBS	\$20,000					\$20,000
<p>This project improves drainage challenges at the northeast corner of the intersection of Orchard Drive and Granby Street, replacing an existing structure with a double curb and gutter inlet, and includes some regrading and pavement adjustment around the intersection. It adds a catch basin northeast of the intersection of Orchard and Granby and regrades portions of the gravel drive, driveway apron, and asphalt pavement to direct storm runoff to the new catch basin and curb inlet. The project falls within the public right of way. Engineering plans will be generated for the improvements in the area around the Orchard Drive and Granby Street intersection. These plans will include detailed design of the new storm sewer pipe, structures, grading, and pavement rework.</p>								
McCord Park Renovations Phase I	P&R	IBS		\$200,000				\$200,000
<p>Phase I of the renovations to McCord Park as recommended by the Parks Master Plan. Recommendations are made to follow the McCord Park Master Plan being completed by POD Design. This funding was originally allocated in 2019 as the McCord Park Playground and will likely start with the replacement of that playground.</p>								
Storm Drainage Culvert Improvement at North Corp	S&E	IBS	\$6,000					\$6,000
<p>Improve poor drainage and grading condition at North Corp, west side of US 23, west of Old East Wilson Bridge Road. This project is proposed to be constructed with in house crews.</p>								
Huntley/Wilson Bridge/Worthington Galena (Right of Way Acquisition & Utility Relocation)	S&E	IBS		\$2,145,703			\$2,356,255	\$4,501,958
<p>Improvement of the Huntley / Wilson Bridge / Worthington-Galena intersection and the connection of the intersection to Sancus Boulevard. This is the right of way acquisition and utility relocation phase of the project, partially funded by Federal Attributable Funds.</p>								
Bike & Pedestrian Improvements	P&R	E	\$100,000					\$100,000
<p>The City has been evaluating the bicycle and pedestrian needs of the community. This new annual allocation provides funding to implement recommendations of the plan.</p>								
Community Wayfinding Signage	P&B	E	\$75,000					\$75,000
<p>Wayfinding uses local landmarks, signage, pathways and environmental elements to help orient residents and visitors to the City of Worthington. This phased program will allow for continued implementation of the recommendations from the wayfinding study.</p>								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total	
			CIP Fund	Bonds	Assessment	License Tax	State		Other
Year: 2018									
East Wilson Bridge Road Shared Use Path (Design)	S&E	E	\$228,000					\$228,000	
<p>This is the design of a project to construct a 10' wide shared-use path along the south / east sides of East Wilson Bridge Road from High St. to the west side of the railroad crossing, a length of approximately 4,500'. Proposed improvements are anticipated to include decorative street lighting, street trees, miscellaneous landscaping and ADA-compliant curb ramps along the length of the path. The project may also include segmental block retaining walls in isolated locations to minimize impacts to abutting properties. Design of the shared-use path railroad crossing is being performed by others in conjunction with improvements to the intersection of East Wilson Bridge Road and Huntley Road. The project will be completed as a local-let, locally funded project by the City of Worthington, designed in accordance with ODOT and/or City of Worthington standards and specifications.</p>									
Olentangy Parklands Restrooms	P&R	E	\$120,000					\$120,000	
<p>The addition of a permanent restroom facility at the Olentangy Parklands in the area of the tennis courts, trailhead, skate park, sledding hill and soccer field. This is one of our most heavily used parks and as a part of the park planning process this has been identified as a priority project.</p>									
Pickleball Courts at the Olentangy Parklands	P&R	E	\$37,500					\$37,500	
<p>The conversion of the lower two tennis courts and the Olentangy Parklands to six permanent pickleball courts. We experimented over the past year with having temporary courts painted on with the existing tennis courts at this location and the pickleball players liked the location and we had very few user conflicts. Staff feel we still have enough tennis courts around Worthington to offset the loss of two courts for this conversion.</p>									
Bike & Pedestrian Master Plan	P&R	E	\$50,000					\$50,000	
<p>The Bike and Pedestrian Advisory Board has established as one of its top priorities the creation of a Bike and Pedestrian Master Plan. The Master Plan will engage the community in identifying a vision for bike and pedestrian access in the community including prioritization of projects and initiatives throughout Worthington. The plan will also provide guidance on policies and processes related to bike and pedestrian planning. The funds for the Master Plan will be utilized to secure a consultant to work with City Council, the Bike and Pedestrian Advisory Board, and residents on the creation of it.</p>									
2018 Total - Projects			\$ 4,082,000	\$ 5,462,103	\$ 25,000	\$0	\$0	\$ 2,356,255	\$ 10,925,358

Year: 2019								
Kenyonbrook Trunk Sewer Improvement (construction)	S&E	LM		\$1,050,000				\$1,050,000
<p>Replacement of the Kenyonbrook Trunk Sewer from High Street to New England Avenue. This section of the trunk sewer was identified as in need of replacement as part of the Southeast Sewershed Study. Cost is for Construction</p>								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2019								
Oxford Court/Southwest Addition Sanitary Improvement (Design)	S&E	LM	\$50,000					\$50,000
Design of the replacement of the sanitary sewers serving the Oxford Court area. These sewers are being evaluated in the Central District Study. Some sewers are not located in public easements and are expected to be recommended for replacement.								
Street & Sidewalk Improvement Program	S&E	EBS	\$875,000		\$25,000			\$900,000
This project consists of improvements to various streets throughout the City based on a prioritized analysis of the City's street system. Work typically includes curb & gutter repair, asphalt overlay, asphalt patching, and miscellaneous concrete repairs. The project includes the repair of sidewalks that do not meet standards for safety and condition. Repair costs for sidewalks adjacent to private property are paid by respective property owners. Overlay or sealing of parking lots is sometimes included based on need and budget. Street and sidewalk surveys, plan and specification preparation and project administration are proposed to be performed by the Department of Service & Engineering. MMVLT revenues in the amount of \$150,000 each year are transferred into the CIP Fund to help fund this project.								
Building Improvement Program	S&E	EBS	\$200,000					\$200,000
Annual project consisting of improvements needed to maintain the City buildings in good condition. As an ongoing project, buildings are evaluated annually and repairs are prioritized based on available funding. The Community Center is not included due to its intense public use, larger scale and specialization of projects.								
Community Center Parking Lot Reconstruction	S&E	EBS	\$175,000					\$175,000
Reconstruct the parking lot for the Community Center. This project will be phased over two years.								
Community Center Fitness Floor Painting	P&R	EBS	\$14,500					\$14,500
Repainting of the fitness floor area of the Community Center. The area is typically painted every five years on average.								
Community Center Locker Room Painting	P&R	EBS	\$9,500					\$9,500
Painting of the men's and women's locker rooms on both the north and south end of the Community Center during the annual building shutdown.								
Community Center North Locker Room Shower Stall Alterations	P&R	EBS	\$16,500					\$16,500
This project allows for the insulation of the water lines supplying water to the shower valves and heads; and replacement of the shower tiles, backer board, and shower valves and hardware as needed.								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2019								
Community Center Pool Underwater Lighting Replacement with LEDs	P&R	EBS	\$21,000					\$21,000
Retrofit the existing pool lighting with underwater LEDs. The LED lights are anticipated to pay for themselves over the life expectancy (8-10 years) of the bulb.								
Griswold Center Building Window Replacements	S&E	EBS	\$71,000					\$71,000
The windows within the Griswold Center are showing significant signs of deterioration, many of them severe. This project is to replace the 36 large double hung windows and 8 small fixed windows within the building.								
Waterline Improvements Inventory & Assessment	S&E	EBS	\$100,000					\$100,000
Inventory and assessment analysis of the City's water system								
Arterial Improvement - Wilson Bridge Road, Huntley to High	S&E	EBS	\$300,000					\$300,000
Repair of curbs and gutters, storm inlets, and street base; mill and overlay of pavement; restriping								
Urban Forestry Restoration	P&R	IBS	\$7,500					\$7,500
Annual program to replace trees around city facilities, parks, and/or in key city corridors. The Arbor Advisory Committee works with City arborists to determine each year's project site.								
CBD Paver Renovation	S&E	IBS	\$20,000					\$20,000
This is a phased project over four years to remove, level and reset sidewalk pavers from the Village Green Drive South to South Street								
McCord Park Renovations Phase II	P&R	IBS		\$250,000				\$250,000
Phase two of the renovations to McCord Park as recommended in the Parks Master Plan. Renovations will follow the recommendations made in the McCord Park Master Plan being completed by POD Design in the fall of 2017.								
Huntley/Wilson Bridge/Worthington Galena (Construction)	S&E	IBS		\$2,814,253			\$9,533,789	\$12,348,042
Improvement of the Huntley / Wilson Bridge / Worthington-Galena intersection and the connection of the intersection to Sancus Boulevard. This is the construction phase of the project, funded in large part by Federal Attributable Funds. The City has applied for funding from the Ohio Public Works Commission which will help offset the City's share of this project if approved.								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total	
			CIP Fund	Bonds	Assessment	License Tax	State		Other
Year: 2019									
Community Center South End Renovations Design	P&R	IBS	\$15,000					\$15,000	
In the CIP there are a variety of replacement items coming due for the south end of the Community Center including doors, windows, and flooring. Given the different materials and aesthetics of the older south end of the facility having an overall design assessment for the south end including potential changes to the old lobby and locker rooms would provide needed guidance and help tie the overall building together as updates are made.									
Security System Improvements	S&E	IBS	\$50,000					\$50,000	
Bi-annual allocation to implement recommendations from the 2013 Building Security Assessment. Items include key card access for City buildings and camera systems for buildings that do not currently have them.									
Selby Park Playground Replacement	P&R	IBS	\$185,000					\$185,000	
Replacement of the Selby Park Playground. The playground is 18 years old and upon recent inspections has started to show significant breaking down of various platforms and walkways on the play structure in addition to significant wear on the rubber surfacing. The playground is one of the most heavily utilized in the city.									
Bike & Pedestrian Improvements	P&R	E	\$100,000					\$100,000	
The City has been evaluating the bicycle and pedestrian needs of the community. This annual allocation provides funding to implement recommendations of the plan.									
Community Wayfinding Signage	P&B	E	\$75,000					\$75,000	
Wayfinding uses local landmarks, signage, pathways and environmental elements to help orient residents and visitors to the City of Worthington. This phased program will allow for continued implementation of the recommendations from the wayfinding study.									
East Wilson Bridge Road Shared Use Path (Construction)	S&E	E		\$800,000			\$1,516,500	\$2,316,500	
Construction of a 10' wide shared-use path along the south / east sides of East Wilson Bridge Road from High Street to the west side of the railroad crossing, a length of approximately 4,500'. Improvements are anticipated to include decorative street lighting, street trees, miscellaneous landscaping and ADA-compliant curb ramps along the length of the path. The project may also include segmental block retaining walls in isolated locations to minimize impacts to abutting properties. The project will be completed as a local-let, locally funded project by the City of Worthington, designed in accordance with ODOT and/or City of Worthington standards and specifications.									
2019 Total - Projects			\$3,085,000	\$4,914,253	\$25,000	\$0	\$0	\$11,050,289	\$18,274,542

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2020								
Oxford Court/Southwest Addition Sanitary Improvement	S&E	LM		\$300,000				\$300,000
Replacement of the sanitary sewers serving the Oxford Court area. These sewers are being evaluated in the Central District Study. Some sewers are not located in public easements and are expected to be recommended for replacement.								
North Districts Sanitary Sewer Improvements	S&E	LM		\$500,000				\$500,000
Repair, rehabilitation and/or replacement of sanitary sewer infrastructure in the North Sanitary Sewer districts as identified in the North Districts Study.								
North Districts Sanitary Sewer Repairs & Lining	S&E	LM		\$250,000				\$250,000
Repairs to the North Districts sanitary sewer infrastructure to be identified in the North Districts Sanitary Sewer Study.								
West & Industrial Districts Sewer Study	S&E	LM	\$200,000					\$200,000
Sanitary Sewer Evaluation Study (SSES) of the west and industrial sanitary sewer districts as mandated by the Directors Findings and Orders issued to the City by the Ohio EPA.								
Street & Sidewalk Improvement Program	S&E	EBS	\$875,000		\$25,000			\$900,000
This project consists of improvements to various streets throughout the City based on a prioritized analysis of the City's street system. Work typically includes curb & gutter repair, asphalt overlay, asphalt patching, and miscellaneous concrete repairs. The project includes the repair of sidewalks that do not meet standards for safety and condition. Repair costs for sidewalks adjacent to private property are paid by respective property owners. Overlay or sealing of parking lots is sometimes included based on need and budget. Street and sidewalk surveys, plan and specification preparation and project administration are proposed to be performed by the Department of Service & Engineering. MMVLT revenues in the amount of \$150,000 each year are transferred into the CIP Fund to help fund this project.								
Building Improvement Program	S&E	EBS	\$200,000					\$200,000
Annual project consisting of improvements needed to maintain the City buildings in good condition. As an ongoing project, buildings are evaluated annually and repairs are prioritized based on available funding. The Community Center is not included due to its intense public use, larger scale and specialization of projects.								
Traffic Signal Improvement Program	S&E	EBS	\$50,000					\$50,000
Bi-annual project for the replacement and updating of traffic signal equipment at various signalized intersections in the City. Improvements are prioritized by repair history, equipment obsolescence and service life.								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2020								
Community Center Window Replacements - Art, Pottery & Childcare	P&R	EBS	\$26,000					\$26,000
Replacement of the windows in the art studio, pottery room, and childcare room in the south end of the Community Center.								
Community Center South End Door Replacements	P&R	EBS	\$70,000					\$70,000
Replacement of exterior doors on the south end of the Community Center.								
McCoy/South Storm Sewer Improvement	S&E	EBS	\$85,000					\$85,000
Replacement of the storm sewer under Morning Street from McCoy Street to South Street								
Upper Rush Run Stream Restoration (phase 1)	S&E	EBS	\$300,000					\$300,000
Implementation of the study recommendations regarding the restoration of the stream environment of Upper Rush Run from the Huntley Bowl to Northeast Gateway Project. Work to include environmentally sound techniques to remove silt and provide improved drainage								
Urban Forestry Restoration	P&R	IBS	\$7,500					\$7,500
Annual program to replace trees around city facilities, parks, and/or in key city corridors. The Arbor Advisory Committee works with City arborists to determine each year's project site.								
CBD Paver Renovation	S&E	IBS	\$20,000					\$20,000
This is a phased project over four years to remove, level and reset sidewalk pavers from the Village Green Drive South to South Street								
McCord Park Renovations Phase 3	P&R	IBS		\$400,000				\$400,000
Phase three of the McCord Park renovations as recommended in the Parks Master Plan. The renovations will follow the McCord Park Master Plan being completed by POD Design in the fall of 2017. This amount will likely change once the plan is completed.								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2020								
East Granville Road Park Playground Replacement	P&R	IBS	\$95,000					\$95,000
Replacement of the playground at East Granville Road Park. The current playground was installed in 1993 and is in need of replacement. This has been identified as one of the priority projects by the Parks and Recreation Commission.								
Fire Station Alerting System	FD	IBS	\$100,000					\$100,000
Replace outdated station alerting system. New system will alert firefighters of incoming call using newest technology.								
Bike & Pedestrian Improvements	P&R	E	\$100,000					\$100,000
The City has been evaluating the bicycle and pedestrian needs of the community. This annual allocation provides funding to implement recommendations of the plan.								
Community Wayfinding Signage	P&B	E	\$50,000					\$50,000
Wayfinding uses local landmarks, signage, pathways and environmental elements to help orient residents and visitors to the City of Worthington. This phased program will allow for continued implementation of the recommendations from the wayfinding study.								

2020 Total - Projects			\$2,178,500	\$1,450,000	\$25,000	\$0	\$0	\$0	\$3,653,500
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Year: 2021								
West & Industrial Districts Sewer Improvements	S&E	LM		\$500,000				\$500,000
Repair, rehabilitation and/or replacement of sanitary sewer infrastructure in the West and Industrial districts as identified in the West and Industrial Districts Study.								
Street & Sidewalk Improvement Program	S&E	EBS	\$875,000		\$25,000			\$900,000
This project consists of improvements to various streets throughout the City based on a prioritized analysis of the City's street system. Work typically includes curb & gutter repair, asphalt overlay, asphalt patching, and miscellaneous concrete repairs. The project includes the repair of sidewalks that do not meet standards for safety and condition. Repair costs for sidewalks adjacent to private property are paid by respective property owners. Overlay or sealing of parking lots is sometimes included based on need and budget. Street and sidewalk surveys, plan and specification preparation and project administration are proposed to be performed by the Department of Service & Engineering. MMVLT revenues in the amount of \$150,000 each year are transferred into the CIP Fund to help fund this project.								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2021								
Building Improvement Program	S&E	EBS	\$200,000					\$200,000
Annual project consisting of improvements needed to maintain the City buildings in good condition. As an ongoing project, buildings are evaluated annually and repairs are prioritized based on available funding. The Community Center is not included due to its intense public use, larger scale and specialization of projects.								
Arterial Improvements (Huntley Road, Schrock to Wilson Bridge; Schrock Road, Worthington Galena to railroad tracks)	S&E	EBS	\$100,000			\$190,000		\$290,000
Repair of curbs and gutters, storm inlets, and street base; mill and overlay of pavement; and restriping.								
Waterline Improvements	S&E	EBS	\$250,000					\$250,000
This funding is provided for needed repairs based on an assessment. The intent is to create an annual program of \$250,000 per year. The first priority after the separate East Wilson Bridge project will likely be Indianola.								
Urban Forestry Restoration	P&R	IBS	\$7,500					\$7,500
Annual program to replace trees around city facilities, parks, and/or in key city corridors. The Arbor Advisory Committee works with City arborists to determine each year's project site.								
Security System Improvements	S&E	IBS	\$50,000					\$50,000
Bi-annual allocation to implement recommendations from the 2013 Building Security Assessment. Items include key card access for City buildings and camera systems for buildings that do not currently have them.								
Shaker Square Park Playground Replacement	P&R	IBS	\$95,000					\$95,000
Replacement of the playground at Shaker Square Park. The current playground was installed in the early 90's and is in need of replacement. This has been identified as one of the priority projects by the Parks and Recreation Commission.								
Bike & Pedestrian Improvements	P&R	E	\$100,000					\$100,000
The City has been evaluating the bicycle and pedestrian needs of the community. This annual allocation provides funding to implement recommendations of the plan.								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total
			CIP Fund	Bonds	Assessment	License Tax	State	
Year: 2021								
Community Wayfinding Signage	P&B	E	\$50,000					\$50,000
Wayfinding uses local landmarks, signage, pathways and environmental elements to help orient residents and visitors to the City of Worthington. This phased program will allow for continued implementation of the recommendations from the wayfinding study.								

2021 Total - Projects			\$1,727,500	\$500,000	\$25,000	\$190,000	\$0	\$0	\$2,442,500
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Year: 2022								
West & Industrial Districts Sanitary Sewer Repairs & Lining	S&E	LM		\$250,000				\$250,000
Repairs to the West & Industrial Districts sanitary sewer infrastructure to be identified in the West & Industrial Districts Sanitary Sewer Study.								
Street & Sidewalk Improvement Program	S&E	EBS	\$875,000		\$25,000			\$900,000
This project consists of improvements to various streets throughout the City based on a prioritized analysis of the City's street system. Work typically includes curb & gutter repair, asphalt overlay, asphalt patching, and miscellaneous concrete repairs. The project includes the repair of sidewalks that do not meet standards for safety and condition. Repair costs for sidewalks adjacent to private property are paid by respective property owners. Overlay or sealing of parking lots is sometimes included based on need and budget. Street and sidewalk surveys, plan and specification preparation and project administration are proposed to be performed by the Department of Service & Engineering. MMVLT revenues in the amount of \$150,000 each year are transferred into the CIP Fund to help fund this project.								
Building Improvement Program	S&E	EBS	\$200,000					\$200,000
Annual project consisting of improvements needed to maintain the City buildings in good condition. As an ongoing project, buildings are evaluated annually and repairs are prioritized based on available funding. The Community Center is not included due to its intense public use, larger scale and specialization of projects.								
Traffic Signal Improvement Program	S&E	EBS	\$50,000					\$50,000
Bi-annual project for the replacement and updating of traffic signal equipment at various signalized intersections in the City. Improvements are prioritized by repair history, equipment obsolescence and service life.								
Arterial Improvements (High Street, South Corp. to South Street)	S&E	EBS	\$254,000					\$254,000
Repair of curbs and gutters, storm inlets, and street base; mill and overlay of pavement; and restriping. Note that High Street is not included in the County License Fee Program								

2018-2022 Capital Improvement Program - Projects

Project	Dept.	Category	Funding					Total	
			CIP Fund	Bonds	Assessment	License Tax	State		Other
Year: 2022									
Waterline Improvements	S&E	EBS	\$250,000					\$250,000	
Placeholder for needed repairs based on assessment, Create annual program. \$250,000 per year will continue for numerous years. First Priority after East Wilson Bridge will likely be Indianola									
Community Center Carpet Replacement	P&R	EBS	\$135,000					\$135,000	
The Community Center carpeting will be due for replacement at the end of its typical 10 year cycle. This replaces all of the carpeting throughout the entire facility.									
Urban Forestry Restoration	P&R	IBS	\$7,500					\$7,500	
Annual program to replace trees around city facilities, parks, and/or in key city corridors. The Arbor Advisory Committee works with City arborists to determine each year's project site.									
Bike & Pedestrian Improvements	P&R	E	\$100,000					\$100,000	
The City has been evaluating the bicycle and pedestrian needs of the community. This annual allocation provides funding to implement recommendations of the plan.									
Community Wayfinding Signage	P&B	E	\$50,000					\$50,000	
Wayfinding uses local landmarks, signage, pathways and environmental elements to help orient residents and visitors to the City of Worthington. This phased program will allow for continued implementation of the recommendations from the wayfinding study.									
2022 Total - Projects			\$1,921,500	\$250,000	\$25,000	\$0	\$0	\$0	\$2,196,500
TOTAL CIP PROJECTS			\$ 12,994,500	\$ 12,576,356	\$ 125,000	\$190,000	\$0	\$ 13,406,544	\$ 37,492,400

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2018									
Computer Replacement Program	A/IT	\$85,000							\$85,000
This is an annual program that provides for replacement of computers throughout the City. The oldest or most problematic computers are replaced each year. Most of the computers are on a four-year replacement schedule, although certain intensive use computers are replaced more frequently.									
Networking Equipment Infrastructure Upgrade	A/IT	\$150,500							\$150,500
This project improves network data flow and mitigates costs associated with aging equipment through the upgrade and standardization of the aging network infrastructure.									
Phone Upgrade Program	A/IT	\$100,000							\$100,000
The phone system was updated in 2016. This continues that program by updating the phones, which are in the 10 – 14-year-old range. The goal for 2018 is to replace the phones in the police station, the fire station, and the municipal building. Other upgrades are proposed for 2019.									
Public Safety Hardware, Servers and Upgrades	A/IT	\$325,000							\$325,000
Hardware servers and software merger for VisionAir/TriTech systems									
Radios	A/IT	\$100,000							\$100,000
The City's radios which are used in police, fire, service and parks maintenance are nearing the end of their supported life. Beginning in 2018, parts will no longer be manufactured for certain radio models in use by the City. This project provides funding to replace radios as needed due to the lack of available parts.									
Server Virtualization	A/IT	\$125,000							\$125,000
This project plans and deploys a sound virtual infrastructure environment with adequate resources for current needs and anticipated growth, replacing the vast number of aging physical servers and associated expenses maintaining them.									
Timekeeping Hardware/Software	A/IT	\$15,000							\$15,000
Continuing implementation of new timekeeping software. The 2018 funding request is for time clocks at the Service location.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2018									
Small Equipment Replacement	FD	\$15,000							\$15,000
Replace various small equipment for Fire Division operations									
Fire Hose	FD	\$13,000							\$13,000
Replacement fire hose program. The Fire Division hoses used for fire suppression are reaching the end of their life-cycle and exceed recommendations for replacement. The accepted recommendation is to replace fire hose after 10 years of use. Much of our fire hose exceeds the 10 year recommendation and some of it is over 18 years old.									
Fire Initial Issue	FD	\$18,000							\$18,000
It is anticipated the need to hire three replacement firefighters each year due to retirements or separations. This item will fund three replacement firefighters with personal protective equipment and uniforms.									
Firefighter Protective Equipment	FD	\$45,000							\$45,000
This purchase is to replace the turnout gear for 1/3 of the department. This equipment is on a four year replacement cycle.									
Physical Fitness Equipment	FD	\$6,500							\$6,500
Replace aging treadmill. The police and fire division personnel use the fire station physical fitness/exercise room every day in an effort to maintain readiness for the physical requirements of the jobs. Having properly working equipment is essential to support this effort.									
Self Contained Breathing Apparatus	FD	\$25,000						\$225,000	\$250,000
Replacement of the breathing apparatus the firefighters use to protect themselves from smoke and other harmful chemicals. The SCBA equipment will be 10 years old and at the end of its useful life. Staff will pursue a grant to fund this equipment. Anticipate applying for grant funds to help fund this equipment purchase.									
Small Equipment Replacement	P&R	\$15,000							\$15,000
Annual replacement of small equipment in the Parks & Recreation Department. Includes non-fleet equipment typically between \$500 and \$5,000.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2018									
3/4 Ton Pickup with Lift Gate - Replacement of Van (#0214)	P&R	\$42,000							\$42,000
The Parks crew is in need of an additional vehicle in order to cover their current responsibilities. Currently, even when the fleet is at full strength, staff are often utilizing the Director's car, the large cargo van, or the Community Center van to move people and equipment to work sites. If a truck is down for repairs or out for servicing this amplifies the problem even more. Staff have to be dropped off or picked up at work sites without certain tools or equipment at their disposal. The city rarely uses the 15 passenger van for anything other than hauling so replacing it with a truck for parks would be beneficial.									
Community Center Copier	P&R	\$20,000							\$20,000
Replacement of the copier at the Community Center. Typical lifespan is five years.									
Community Center Fitness Equipment	P&R	\$50,000							\$50,000
Replacement of select fitness equipment on the fitness floor at the Community Center. All of the equipment is typically replaced every five years, spread over three years, with the exception of our free weights which typically have a lifespan of 10 years.									
Griswold Center Chairs (Topping and Case Rooms)	P&R	\$11,700							\$11,700
The chairs in the Griswold's Case and Topping Rooms are original to the building (24 years old) and are in need of replacement. In addition, due to the recent removal of the pool table, we need some additional chairs for programming in the newly opened space.									
Park Drinking Fountain Replacement	P&R	\$10,000							\$10,000
As recommended in Parks Master Plan, many of our park drinking fountains need replaced. This funding replaces two drinking fountains annually over a three year period.									
Pool Equipment	P&R	\$15,000							\$15,000
Replacement of broken storage units, basketball hoop, lifejacket storage bin, benches on pool deck, and lounge chairs for patio. All of this equipment has reached the end of its useful life.									
Transit Bus (#0209)	P&R	\$85,000							\$85,000
This is a 2008 transit bus utilized to haul seniors and campers to activities and events.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2018									
Turf Mowers (#0251 & #0253)	P&R	\$12,000							\$12,000
Replacement of two 72 inch Z Turn mowers and a trailer. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October necessitating a regular replacement program. The trailer is used to haul the mowers for the crew from site to site. We replace two of four mowers each year for a two year replacement cycle. With higher trade-in values and low initial purchase cost from State Contract pricing, we find that the units have less out of service time and less maintenance costs if replaced on a more frequent basis.									
Staff Vehicle	P&B	\$23,000							\$23,000
Replacement of a utility vehicle used by the Planning & Building staff									
Work Management Software	P&B	\$125,000							\$125,000
The software would track and organize service requests, work orders, inspections, projects, citizen concerns and all types of work activities. Map layers can be created to display information such as all open requests, pavement condition, all repaired potholes for a given time period, etc. Reports of all types can be generated using various search parameters or set up as customized templates. Allows staff at all levels—field workers, call takers, and administration—to get the information they need to perform their jobs efficiently and make wise use of the resources to manage assets and provide services. Also provides land-focused asset management capabilities for permitting, licensing, service requests and code enforcement tracking.									
Mobile Data Terminals - Police	PD	\$22,000							\$22,000
When the police cruisers are replaced, the mobile data terminals (computers) in the vehicles are also replaced. These mobile data terminals are important as they provide connection to critical information for officers when they are in the field.									
Police Cruisers (#0320, #0321 & #0328)	PD	\$127,000							\$127,000
A portion of the police cruisers are replaced each year to ensure the reliability of these high use vehicles. Three cruisers are scheduled for replacement.									
Evidential Breath Testing Device (B.A.C. Machine)	PD	\$10,000							\$10,000
The Ohio Department of Health, Alcohol & Breath Testing Division has served all Ohio Agencies with notice that we should budget for a new evidential breath testing device for 2018/2019. This will require that all officers go back through approved testing once implemented									
Furniture - Communication Center	PD	\$57,900							\$57,900
Purchase new furniture in the Police Communications Center to create a better layout.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total	
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other		
Year: 2018										
Police Initial Issue	PD	\$19,500							\$19,500	
Anticipation of two officers retiring; this funding covers all initial issue costs for a new officer other than ballistic vests.										
Small Equipment Replacement	S&E	\$12,000							\$12,000	
Funding for small equipment replacement as necessary. Typical equipment includes chain saws, weed wackers and other power tools.										
2 1/2 Ton Dump Truck w/ Plow & Spreader (#0446)	S&E	\$170,000							\$170,000	
Replacement of a 2007 dump truck including plow and salt spreading equipment.										
3/4 Ton Pickup (#0419)	S&E	\$42,000							\$42,000	
Replacement of a 3/4 ton pickup truck used by the Service staff. Price increased to add utility body, up-fitting, emergency lighting and upgraded City radio equipment.										
Mobile Equipment - GPS Mapping Unit & OUPS Locator	S&E	\$5,100							\$5,100	
Replacement of GPS unit purchased in 2011 which is used for field inspections such as outfalls and storm basins and replacement of locator unit purchased in 2008 which is used to receive and update Ohio Utilities Protection Service tickets and view mapped utilities.										
Leaf Vacuum (#0466)	S&E	\$75,000							\$75,000	
Replacement of a 1995 leaf vacuum used heavily in leaf season. Price increased to purchase a better quality machine for improved operator safety and more reliability.										
Loader (#0457)	S&E							\$206,000	\$206,000	
Replacement of a 2007 CAT high lift loader. Utilized for leaf loading of semi trucks in leaf season, construction use and salt loading of trucks. This item will be acquired through a five-year lease.										
Plotter & Scanner	S&E	\$12,000							\$12,000	
Replacement of units purchased in 2009. Used to scan large drawings and print out plans, maps, and exhibits										
Wide Area Mower & Trailer (#0462 & #0462T)	S&E	\$75,000							\$75,000	
Replacement of a 2003 Toro mower used on embankments and right of ways. Price increased to change from a wide area mower to a slope mower.										
2018 Total - Equipment		\$2,059,200	\$0	\$0	\$0	\$0	\$0	\$0	\$431,000	\$2,490,200

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2019									
Computer Replacement Program	A/IT	\$85,000							\$85,000
This is an annual program that provides for replacement of computers throughout the City. The oldest or most problematic computers are replaced each year. Most of the computers are on a four-year replacement schedule, although certain intensive use computers are replaced more frequently.									
Radios	A/IT	\$100,000							\$100,000
The City's radios which are used in police, fire, service and parks maintenance are nearing the end of their supported life. Beginning in 2018, parts will no longer be manufactured for certain radio models in use by the City. This project provides funding to replace radios as needed due to the lack of available parts.									
Small Equipment Replacement	FD	\$15,000							\$15,000
Replace various small equipment in the Fire Division.									
Fire Hose	FD	\$13,000							\$13,000
Replacement fire hose program. The fire department hoses used for fire suppression are reaching the end of their life-cycle and exceed recommendations for replacement. The accepted recommendation is to replace fire hose after 10 years of use. Much of our fire hose exceeds the 10 year recommendation and some of it is over 18 years old.									
Fire Initial Issue	FD	\$18,000							\$18,000
It is anticipated the need to hire three replacement firefighters each year due to retirements or separations. This item will fund three replacement firefighters with personal protective equipment and uniforms.									
Firefighter Protective Equipment	FD	\$49,000							\$49,000
Structural firefighting personal protective equipment, protective equipment and gear for collapse/rescue team members, other personnel protective equipment and water rescue gear.									
Physical Fitness Equipment	FD	\$10,300							\$10,300
Replace Elliptical machine and second treadmill									
CAD Display Monitors	FD	\$7,500							\$7,500
Install six video display monitors in areas of the fire station to display CAD/Emergency call information and data.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2019									
Copier/Printer/Fax/Scanner	FD	\$16,000							\$16,000
Replace the aging Minolta copier/printer/fax/scanner for the division. Maintenance and repairs continue to increase and efficiency with the current unit is decreasing.									
EMS Tablets	FD	\$24,000							\$24,000
Replacement of the tablets used in the field for EMS runs and billing.									
Fire Prevention Tablets	FD	\$4,000							\$4,000
This purchase is to maintain the replacement cycle on three inspection tablets. These tablets are used by field inspectors to document inspections and to issue corrective orders.									
Medic Vehicle (#0516/M102)	FD	\$327,000							\$327,000
This is the replacement of a medic vehicle.									
SUV (#0522/C102)	FD	\$60,000							\$60,000
Replacement of Chief 102 2008 Chevrolet Tahoe and Up-Fit									
Small Equipment Replacement	P&R	\$15,000							\$15,000
Annual replacement of small equipment in the Parks & Recreation Department. Includes non-fleet equipment typically between \$500 and \$5,000.									
Park Drinking Fountains	P&R	\$10,000							\$10,000
As recommended in Parks Master Plan, many of our park drinking fountains need replaced. This funding replaces two drinking fountains annually over a three year period.									
Community Center Digital Screens	P&R	\$10,000							\$10,000
Existing screens are discontinued and no longer have software support. New technology would allow us to continue utilizing the screens for class/rental locations/times, promotion, patron information and updates.									
Griswold Copier	P&R	\$11,000							\$11,000
Replacement of the copy machine at the Griswold Center.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2019									
Pool Filter Sand	P&R	\$23,700							\$23,700
Removal of the sand and gravel in the leisure, fitness and spa filters; repair of any broken or cracked laterals; and then refill with gravel and sand. The media in these filters typically has about a 10 year life expectancy before needing replacement.									
Turf Mowers	P&R	\$12,000							\$12,000
Replacement of two 72 inch Z Turn mowers and a trailer. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October necessitating a regular replacement program. The trailer is used to haul the mowers for the crew from site to site. We replace two of four mowers each year for a two year replacement cycle. With higher trade-in values and low initial purchase cost from State Contract pricing, we find that the units have less out of service time and less maintenance costs if replaced on a more frequent basis.									
Mobile Data Terminals - Police	PD	\$15,000							\$15,000
When the police cruisers are replaced, the mobile data terminals (computers) in the vehicles are also replaced. These mobile data terminals are important as they provide connection to critical information for officers when they are in the field.									
Police Cruisers	PD	\$85,000							\$85,000
A portion of the police cruisers are replaced each year to ensure the reliability of these high use vehicles. Two cruisers are scheduled for replacement.									
Police Initial Issue	PD	\$32,500							\$32,500
Anticipation of possibly 5 officers/staff retiring, this funding covers all initial issue costs for a new officer other than ballistic vest which are included in operating as part of the CBA									
Small Equipment Replacement	S&E	\$10,000							\$10,000
Funding for small equipment replacement as necessary. Typical equipment includes chain saws, weed wackers and other power tools.									
Leaf Vacuum (#465)	S&E	\$75,000							\$75,000
Replacement of a 1989 leaf vacuum used heavily in leaf season Price increased to allow purchase of Bonnell Titan Pro Leaf Machine									
Zero Turn Mower (#4179)	S&E	\$12,000							\$12,000
Replacement of a 2012 Hustler Z mower used for ground maintenance throughout the City									
2019 Total - Equipment		\$1,040,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,040,000

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2020									
Computer Replacement Program	A/IT	\$85,000							\$85,000
This is an annual program that provides for replacement of computers throughout the City. The oldest or most problematic computers are replaced each year. Most of the computers are on a four-year replacement schedule, although certain intensive use computers are replaced more frequently.									
Radios	A/IT	\$100,000							\$100,000
The City's radios which are used in police, fire, service and parks maintenance are nearing the end of their supported life. Beginning in 2018, parts will no longer be manufactured for certain radio models in use by the City. This project provides funding to replace radios as needed due to the lack of available parts.									
Timekeeping Hardware/Software	A/IT	\$15,000							\$15,000
Continuing implementation of new timekeeping software.									
Small Equipment Replacement	FD	\$15,000							\$15,000
Replace various small equipment									
Fire Hose	FD	\$13,000							\$13,000
Replacement fire hose program. The fire department hoses used for fire suppression are reaching the end of their life-cycle and exceed recommendations for replacement. The accepted recommendation is to replace fire hose after 10 years of use. Much of our fire hose exceeds the 10 year recommendation and some of it is over 18 years old.									
Fire Initial Issue	FD	\$18,000							\$18,000
It is anticipated the need to hire three replacement firefighters each year due to retirements or separations. This item will fund three replacement firefighters with personal protective equipment and uniforms.									
Firefighter Personal Protection Equipment	FD	\$48,000							\$48,000
Firefighter structural firefighting protective equipment									
Golf Cart	FD	\$25,000							\$25,000
Replacement for existing golf cart with cot.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2020									
Mobile Data Terminals for Fire Vehicles	FD	\$75,000							\$75,000
Replacement of the mobile data terminals (computers) in the Fire & EMS vehicles.									
SCBA Filling Station	FD	\$80,000							\$80,000
Replacement of the breathing air system air compressor and cascade bottles									
Small Equipment Replacement	P&R	\$15,000							\$15,000
Annual replacement of small equipment in the Parks & Recreation Department. Includes non-fleet equipment typically between \$500 and \$5,000.									
Park Drinking Fountain Replacements	P&R	\$10,000							\$10,000
As recommended in Parks Master Plan, many of our park drinking fountains need replaced. This funding replaces two drinking fountains annually over a three year period.									
Community Center Basketball Backboards/Equipment	P&R	\$30,000							\$30,000
Replacement of all 8 electronically operated basketball backboards, operators, pulleys, cables, and relays in the Community Center gymnasiums. This price includes installation.									
Community Center Domestic Hot Water Tank Replacement	P&R	\$21,000							\$21,000
Replacement of the Domestic Hot Water Tank at the Community Center. The current unit will be at the end of its useful life.									
Community Center Variable Speed Drives Replacement	P&R	\$16,500							\$16,500
Replacement of four VFD (variable speed drives) in the Community Center. These are all original to the building (2002) and have a life expectancy of 8-10 years. These drives control the amount of energy used by the motor and pumps for the pool and HVAC system.									
Transit Bus (#0210)	P&R	\$87,000							\$87,000
Replacement of a 2007 Ford E450 transit bus that is used to haul seniors and campers to activities and events.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2020									
Turf Mowers	P&R	\$12,000							\$12,000
Replacement of two 72 inch Z Turn mowers and a trailer. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October necessitating a regular replacement program. The trailer is used to haul the mowers for the crew from site to site. We replace two of four mowers each year for a two year replacement cycle. With higher trade-in values and low initial purchase cost from State Contract pricing, we find that the units have less out of service time and less maintenance costs if replaced on a more frequent basis.									
Mobile Data Terminals - Police	PD	\$22,500							\$22,500
When the police cruisers are replaced, the mobile data terminals (computers) in the vehicles are also replaced. These mobile data terminals are important as they provide connection to critical information for officers when they are in the field.									
Police Cruisers	PD	\$130,000							\$130,000
A portion of the police cruisers are replaced each year to ensure the reliability of these high use vehicles. Three cruisers are scheduled for replacement.									
In Car Video Equipment	PD	\$70,000							\$70,000
Anticipate the need to replace the video equipment in the police cars.									
Staff Car (#0333)	PD	\$25,000							\$25,000
This is a 2006 Ford Fusion. Plan to upgrade to a larger sedan.									
Virtual Law Enforcement Training System (FATS)	PD	\$44,578							\$44,578
Virtual Law Enforcement Training System that can train officers/citizen academy members in active threat, risk based scenarios using bluetooth sensors for realistic weapons and intermediate weapons systems response.									
Small Equipment Replacement	S&E	\$10,000							\$10,000
Funding for small equipment replacement in the Service & Engineering Department as necessary. Typical equipment includes chain saws, weed wackers and other power tools.									
1 Ton Dump w/Plow & Spreader (#0433)	S&E	\$85,000							\$85,000
Replacement of a 2012 F550 utilized daily for Service maintenance work, leaf collection and snow removal.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total	
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other		
Year: 2020										
4x4 Utility Vehicle (#0480)	S&E	\$12,000								\$12,000
Replacement of a 2004 RTV900W Utility Vehicle that will be 16 years old										
Air Compressor (#0478)	S&E	\$28,000								\$28,000
Replacement of a 1996 Atlas Copco towable air compressor. Increase due to compliance with Tier IV emissions										
Cargo Van (#0420)	S&E	\$30,000								\$30,000
Replacement of a 2004 Chevrolet Astro Van										
Hot Plastic Applicator (#0488)	S&E	\$20,000								\$20,000
Replace 2007 Trantexx Street Striping machine.										
Leaf Vacuum (#0468)	S&E	\$45,000								\$45,000
Replacement of a 2008 Leaf Vacuum Used very heavily in leaf season. Increase allows for upgrade to a Bonnell Titan Pro Leaf Machine										
Pressure Washer (#4202)	S&E	\$6,000								\$6,000
Replace 1997 Building Two Hotsy Pressure Washer. Experiencing high maintenance and problems with parts availability.										
Wood Chipper (#0464)	S&E	\$43,000								\$43,000
Replacement of a 2006 Carlton Wood chipper. Used regularly by Arborists, Parks and Service departments. Increase due to compliance with Tier IV emissions										
2020 Total - Equipment		\$1,236,578	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,236,578

Year: 2021										
Computer Replacement Program	A/IT	\$85,000								\$85,000
This is an annual program that provides for replacement of computers throughout the City. The oldest or most problematic computers are replaced each year. Most of the computers are on a four-year replacement schedule, although certain intensive use computers are replaced more frequently.										

2018-2022 Capital Improvement Program - Equipment									
Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2021									
Radios	A/IT	\$100,000							\$100,000
The City's radios which are used in police, fire, service and parks maintenance are nearing the end of their supported life. Beginning in 2018, parts will no longer be manufactured for certain radio models in use by the City. This project provides funding to replace radios as needed due to the lack of available parts.									
Timekeeping Hardware/Software	A/IT	\$15,000							\$15,000
Continuing implementation of new timekeeping software.									
Municipal Building Furniture	A/IT	\$20,000							\$20,000
This item replaces the three tables and the four chairs in the audience area of the City Council Chambers, plus it replaces the audience chairs with chairs that can be stacked, thus making the room more functional for various types of meetings.									
Small Equipment Replacement	FD	\$15,000							\$15,000
Replace various small equipment in the Fire Division.									
Fire Initial Issue	FD	\$18,000							\$18,000
It is anticipated the need to hire three replacement firefighters each year due to retirements or separations. This item will fund three replacement firefighters with personal protective equipment and uniforms.									
Firefighter Protective Equipment	FD	\$45,000							\$46,000
Firefighter Personal Protective Equipment/Structural firefighting gear									
Medic Vehicle (M101/#0513)	FD	\$330,000							\$330,000
Replacement of a 2013 F550 Medic and Body (M101/#0513).									
SUV (#0521/ C101)	FD	\$60,000							\$60,000
Replacement of Chief 101 2008 Chevrolet Tahoe and Up-Fit. Increase due to bundling chassis, replacement of emergency equipment, lighting and radios									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2021									
Small Equipment Replacement	P&R	\$15,000							\$15,000
Annual replacement of small equipment in the Parks & Recreation Department. Includes non-fleet equipment typically between \$500 and \$5,000.									
Community Center Fitness Equipment	P&R	\$100,000							\$100,000
Replacement of select fitness equipment on the fitness floor at the Community Center. All of the equipment is typically replaced every five years, spread over three years, with the exception of our free weights which typically have a lifespan of 10 years.									
Turf Mowers	P&R	\$12,000							\$12,000
Replacement of two 72 inch Z Turn mowers and a trailer. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October necessitating a regular replacement program. The trailer is used to haul the mowers for the crew from site to site. We replace two of four mowers each year for a two year replacement cycle. With higher trade-in values and low initial purchase cost from State Contract pricing, we find that the units have less out of service time and less maintenance costs if replaced on a more frequent basis.									
Mobile Data Terminals - Police	PD	\$23,000							\$23,000
When the police cruisers are replaced, the mobile data terminals (computers) in the vehicles are also replaced. These mobile data terminals are important as they provide connection to critical information for officers when they are in the field.									
Police Cruisers	PD	\$132,000							\$132,000
A portion of the police cruisers are replaced each year to ensure the reliability of these high use vehicles. Three cruisers are scheduled for replacement.									
Small Equipment Replacement	S&E	\$10,000							\$10,000
Funding for small equipment replacement in the Service & Engineering Department as necessary. Typical equipment includes chain saws, weed wackers and other power tools.									
Backhoe (#0458)	S&E	\$90,000							\$90,000
Replacement of a 1999 John Deere 310 Backhoe. Utilized for street dig ups and construction work.									
Leaf Vacuum (#0469)	S&E	\$75,000							\$46,000
Replacement of a 2008 Dinkmar Mule This unit is used very heavily during leaf season.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total	
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other		
Year: 2021										
3/4 Ton Pickup (#4034)	S&E	\$40,000								\$46,000
Replacement of a 2011 Chevrolet 1500 pickup truck. This unit is used daily for the Service Department. Increase allows for upgrade to a 3/4 Ton truck and up-fit costs.										
3/4 Ton Pickup (#4035)	S&E	\$40,000								\$46,000
Replacement of a 2011 Chevrolet 1500 pickup truck. This unit is used daily for the Service Department. Increase allows for upgrade to a 3/4 Ton truck and up-fit costs.										
3/4 Ton Pickup (#4442)	S&E	\$40,000								\$46,000
Replacement of a 2011 Chevrolet 1500 pickup truck. This unit is used daily for the Service Department. Increase allows for upgrade to a 3/4 Ton truck and up-fit costs.										
2021 Total - Equipment		\$1,265,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,255,000

Year: 2022										
Computer Replacement Program	A/IT	\$85,000								\$85,000
This is an annual program that provides for replacement of computers throughout the City. The oldest or most problematic computers are replaced each year. Most of the computers are on a four-year replacement schedule, although certain intensive use computers are replaced more frequently.										
Radios	A/IT	\$100,000								\$100,000
The City's radios which are used in police, fire, service and parks maintenance are nearing the end of their supported life. Beginning in 2018, parts will no longer be manufactured for certain radio models in use by the City. This project provides funding to replace radios as needed due to the lack of available parts.										
Small Equipment Replacement	FD	\$10,000								\$10,000
Annual replacement of small equipment necessary to meet the mission of the Fire and EMS Division										
Fire Initial Issue	FD	\$18,000								\$18,000
It is anticipated the need to hire three replacement firefighters each year due to retirements or separations. This item will fund three replacement firefighters with personal protective equipment and uniforms.										

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2022									
Firefighter Protective Equipment	FD	\$ 38,000							\$38,000
Structural firefighting personal protection/gear									
Cardiac Monitor/Defibrillators	FD	\$90,000							\$90,000
Replace three cardiac monitor/defibrillator units that will be 11 years old at this time. Life expectancy and usage for FDA approved patient care devices such as these is 10 years. It is anticipated with the change of ownership of Physio-Control that by 2022 (if not sooner) the current equipment we have and use daily on the Medic units will be obsolete.									
Vehicle Extrication Hydraulic Tools	FD	\$60,000							\$60,000
Replace hydraulic vehicle extrication tools that have exceeded life cycle									
Water Rescue Boats	FD	\$25,000							\$25,000
Replace existing boat and potentially add a second type. The fire division has identified several types of bodies of water that require different types of boats to effect a water rescue.									
Small Equipment Replacement	P&R	\$15,000							\$15,000
Annual replacement of small equipment in the Parks & Recreation Department. Includes non-fleet equipment typically between \$500 and \$5,000.									
Community Center Fitness Equipment	P&R	\$100,000							\$100,000
Replacement of select fitness equipment on the fitness floor at the Community Center. All of the equipment is typically replaced every five years, spread over three years, with the exception of our free weights which typically have a lifespan of 10 years.									
Griswold Center Fitness Equipment	P&R	\$20,000							\$20,000
Replacement of the equipment in the Griswold Center fitness room. The equipment is replaced on a five year cycle and the last replacement occurred in 2017.									
Parks Wide Area Mower (#0261)	P&R	\$67,000							\$67,000
Replace 2012 Wide Area Mower which will be at the end of its useful life. It is used to mow parks and fields throughout the city.									

2018-2022 Capital Improvement Program - Equipment

Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
Year: 2022									
Turf Mowers	P&R	\$12,000							\$12,000
Replacement of two 72 inch Z Turn mowers and a trailer. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October necessitating a regular replacement program. The trailer is used to haul the mowers for the crew from site to site. We replace two of four mowers each year for a two year replacement cycle. With higher trade-in values and low initial purchase cost from State Contract pricing, we find that the units have less out of service time and less maintenance costs if replaced on a more frequent basis.									
Mobile Data Terminals - Police	PD	\$16,000							\$16,000
When the police cruisers are replaced, the mobile data terminals (computers) in the vehicles are also replaced. These mobile data terminals are important as they provide connection to critical information for officers when they are in the field.									
Police Cruisers	PD	\$87,000							\$87,000
A portion of the police cruisers are replaced each year to ensure the reliability of these high use vehicles. Two cruisers are scheduled for replacement.									
Police Sedan (#0330)	PD	\$30,000							\$30,000
<i>Replace 2012 Ford Fusion and Emergency Lighting</i>									
Police Sedan (#0332)	PD	\$30,000							\$30,000
<i>Replace 2012 Ford Fusion and Emergency Lighting</i>									
Small Equipment Replacement	S&E	\$10,000							\$10,000
Funding for small equipment replacement in the Service & Engineering Department as necessary. Typical equipment includes chain saws, weed wackers and other power tools.									
Fleet Service Vehicle (#0431)	S&E	\$42,000							\$42,000
Replace Service Van with Pickup Chassis and utility body.									
Service Dept. Sedan (#0418)	S&E	\$28,000							\$28,000
Replace 2012 Ford fusion with Sedan.									

2022 Total - Equipment		\$883,000	\$0	\$0	\$0	\$0	\$0	\$0	\$883,000
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2018-2022 Capital Improvement Program - Equipment									
Project	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	License Tax	MMVLT	State	Other	
TOTAL CIP EQUIPMENT		\$6,483,778	\$0	\$0	\$0	\$0	\$0	\$431,000	\$6,904,778

CIP Fund Cash Flow

Revenue	2018	2019	2020	2021	2022
Income Tax	\$5,158,874	\$5,262,052	\$5,367,293	\$5,474,639	\$5,584,131
MMVLT	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
License Tax Reimbursement	\$462,135	\$0	\$0	\$0	\$190,000
Grant Funds	\$225,000	\$0	\$0	\$0	\$0
Debt Proceeds	\$10,857,000	\$0	\$0	\$2,200,000	\$0
Other Revenue	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000
TOTAL REVENUE	\$16,878,009	\$5,437,052	\$5,542,293	\$7,849,639	\$5,949,131

Cat.	Dept.	Projects	2018	2019	2020	2021	2022
LM	S&E	Northbrook Relief Sewer Phase II	\$488,000				
LM	S&E	Kenyonbrook Trunk Sewer Improvement	\$160,000	\$1,050,000			
LM	S&E	Hardy Way Sanitary Sewer Relocation	\$133,000				
LM	S&E	Oxford Court/Southwest Addition Sanitary Improvement		\$50,000	\$300,000		
LM	S&E	North Districts Sanitary Sewer Improvements			\$500,000		
LM	S&E	North Districts Sanitary Sewer Repairs & Lining			\$250,000		
LM	S&E	West & Industrial Districts Study			\$200,000		
LM	S&E	West & Industrial Districts Sewer Improvements				\$500,000	
LM	S&E	West & Industrial Districts Sanitary Sewer Repairs & Lining					\$250,000
EBS	S&E	Street & Sidewalk Improvement Program	\$900,000	\$900,000	\$900,000	\$900,000	\$900,000
EBS	S&E	Building Improvement Program	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000
EBS	S&E	HVAC Improvements	\$160,000				
EBS	S&E	Traffic Signal Improvement Program	\$50,000		\$50,000		\$50,000
EBS	P&R	Community Center Door Access Controls	\$6,500				
EBS	S&E	Community Center HVAC & Lighting Improvements	\$1,000,000				
EBS	S&E	Community Center Parking Lot Reconstruction	\$175,000	\$175,000			
EBS	S&E	Fire Apparatus Bay Exhaust & Heating System	\$126,000				
EBS	S&E	Fire Hydrant Replacement & Painting	\$50,000				
EBS	S&E	Fire Station Roof Replacement	\$330,400				
EBS	S&E	Fleet Garage Floor Drain System & Lift	\$165,000				
EBS	S&E	Fuel Dispensing System & Tank Farm Replacement	\$175,000				
EBS	S&E	Municipal Building Roof Replacement	\$93,000				
EBS	S&E	Municipal Building Window & Door Replacements	\$138,000				
EBS	S&E	Old Worthington Street Light & Mast Arm Rehabilitation	\$85,000				
EBS	S&E	SR 315 Pavement Maintenance	\$75,000				
EBS	S&E	Waterline Replacement - E. Wilson Bridge Road	\$1,000,000				
EBS	P&R	Community Center Fitness Floor Painting		\$14,500			
EBS	P&R	Community Center Locker Room Painting		\$9,500			
IBS	P&R	Com Ctr North Locker Room Shower Stall Alterations		\$16,500			
IBS	P&R	Community Center Pool Underwater Lighting Replacement		\$21,000			
EBS	S&E	Griswold Center Window Replacements		\$71,000			
EBS	S&E	Waterline Improvements Inventory & Assessment		\$100,000			
EBS	S&E	Arterial Improvements (Wilson Br., Huntley/Schrock, High)		\$300,000		\$290,000	\$254,000
EBS	S&E	Community Center Window Replacement			\$26,000		
EBS	P&R	Community Center South End Door Replacement			\$70,000		
EBS	S&E	McCoy/South Storm Sewer Improvement			\$85,000		
EBS	S&E	Upper Rush Run Stream Restoration			\$300,000		
EBS	S&E	Waterline Improvements				\$250,000	\$250,000
EBS	P&R	Community Center Carpet Replacement					\$135,000
IBS	P&R	Urban Forestry Restoration	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500
IBS	S&E	CBD Paver Renovation	\$20,000	\$20,000	\$20,000		
IBS	S&E	CBD Holiday Decoration Replacement	\$45,000				
IBS	P&R	Community Center Water Slide Refurbishing	\$4,500				
IBS	S&E	Granby Street Drainage	\$20,000				
IBS	P&R	McCord Park Renovations	\$200,000	\$250,000	\$400,000		
IBS	S&E	Storm Drainage Culvert Improvement at North Corp	\$6,000				
IBS	S&E	Huntley/Wilson Bridge/Worthington Galena Intersection	\$2,145,703	\$2,814,253			
IBS	P&R	Community Center South End Renovations		\$15,000			

IBS	S&E	Security System Improvements		\$50,000			\$50,000	
IBS	P&R	Selby Park Playground Replacement		\$185,000				
IBS	P&R	East Granville Road Park Playground Replacement				\$95,000		
IBS	FD	Fire Station Alerting System				\$100,000		
IBS	P&R	Shaker Square Playground Replacement					\$95,000	
E	P&R	Bike & Pedestrian Improvements	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
E	P&B	Community Wayfinding Signage	\$75,000	\$75,000	\$50,000	\$50,000	\$50,000	\$50,000
E	S&E	East Wilson Bridge Road Shared Use Path	\$228,000	\$800,000				
E	P&R	Olentangy Parklands Restroom Facility	\$120,000					
E	P&R	Pickleball Courts	\$37,500					
E	P&R	Bike & Pedestrian Master Plan	\$50,000					
TOTAL PROJECTS			\$8,569,103	\$7,224,253	\$3,653,500	\$2,442,500	\$2,196,500	

Equipment	2018	2019	2020	2021	2022
ADMINISTRATION/IT					
Computer Replacement Program	\$85,000	\$85,000	\$85,000	\$85,000	\$85,000
Networking Equipment Infrastructure Upgrade	\$150,500				
Phone Upgrade Program	\$100,000				
Public Safety Hardware, Servers & Upgrades	\$325,000				
Radios	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
Server Virtualization	\$125,000				
Timekeeping Software/Hardware	\$15,000		\$15,000	\$15,000	
Municipal Building Furniture Replacement				\$20,000	
FIRE					
Small Equipment Replacement	\$15,000	\$15,000	\$15,000	\$15,000	\$10,000
Fire Hose	\$13,000	\$13,000	\$13,000		
Fire Initial Issue	\$18,000	\$18,000	\$18,000	\$18,000	\$18,000
Firefighter Protective Equipment	\$45,000	\$49,000	\$48,000	\$45,000	\$38,000
Physical Fitness Equipment	\$6,500	\$10,300			
Self Contained Breathing Apparatus	\$250,000				
CAD Display Monitors		\$7,500			
Copier/Printer/Fax/Scanner		\$16,000			
EMS Tablets		\$24,000			
Fire Prevention Tablets		\$4,000			
Medic Vehicle (#0516/M103)		\$327,000			
SUV (#0522/C102)		\$60,000			
Golf Cart			\$25,000		
Mobile Data Terminals for Fire Vehicles			\$75,000		
SCBA Filling Station			\$80,000		
Medic Vehicle (#0513/M102)				\$330,000	
SUV (#0521/C101)				\$60,000	
Cardiac Monitor/Defibrillators					\$90,000
Vehicle Extrication Hydraulic Tools					\$60,000
Water Rescue Boats					\$25,000
PARKS & RECREATION					
Small Equipment Replacement	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
3/4 Ton Pickup with Lift Gate	\$42,000				
Community Center Copier	\$20,000				
Community Center Fitness Equipment	\$50,000			\$100,000	\$100,000
Griswold Center Chairs	\$11,700				
Park Drinking Fountains	\$10,000	\$10,000	\$10,000		
Pool Equipment	\$15,000				
Transit Bus (#0209)	\$85,000				
Turf Mowers (#0251 & #0253)	\$12,000				
Community Center Digital Screens		\$10,000			
Griswold Copier		\$11,000			
Pool Filter Sand		\$23,700			
Turf Mowers (2)		\$12,000			
Community Center Basketball Backboards/Equipment			\$30,000		
Community Center Domestic Hot Water Tank			\$21,000		

Community Center Variable Speed Drives Replacement			\$16,500		
Transit Bus (30210)			\$87,000		
Turf Mowers (2)			\$12,000		
Turf Mowers (2)				\$12,000	
Griswold Fitness Equipment					\$20,000
Parks Wide Area Mower (#0261)					\$67,000
Turf Mowers (2)					\$12,000
PLANNING & BUILDING					
Staff Vehicle	\$23,000				
Work Management Software	\$125,000				
POLICE					
Mobile Data Terminals - Police	\$22,000	\$15,000	\$22,500	\$23,000	\$16,000
Police Cruiser Replacement	\$127,000	\$85,000	\$130,000	\$132,000	\$87,000
Evidential Breath Testing Device (B.A.C. Machine)	\$10,000				
Furniture - Communications Center	\$57,900				
Police Initial Issue Equipment	\$19,500	\$32,500			
In Car Video Equipment			\$70,000		
Staff Vehicle (#0333)			\$25,000		
Virtual Law Enforcement Training System (FATS)			\$44,578		
Police Sedan (#0330)					\$30,000
Police Sedan (#0332)					\$30,000
SERVICE & ENGINEERING					
Small Equipment Replacement	\$12,000	\$10,000	\$10,000	\$10,000	\$10,000
2 1/2 Ton Dump Truck w/ Plow & Spreader (#0446)	\$170,000				
3/4 Ton Pickup Truck (#0419)	\$42,000				
Mobile Equipment - GPS Mapping Unit & OUPS Locator	\$5,100				
Leaf Vacuum (#0466)	\$75,000				
Loader (#0457)	lease				
Plotter & Scanner	\$12,000				
Wide Area Mower & Trailer	\$75,000				
Leaf Vacuum (#0465)		\$75,000			
Zero Turn Mower (#4179)		\$12,000			
1 Ton Dump w/ plow & spreader (#0433)			\$85,000		
4x4 Utility Vehicle (#0480)			\$12,000		
Air Compressor (#0478)			\$28,000		
Cargo Van (#0420)			\$30,000		
Hot Plastic Applicator			\$20,000		
Leaf Vacuum (#0469)			\$45,000		
Pressure Washer			\$6,000		
Wood Chipper (#0464)			\$43,000		
Backhoe (#0458)				\$90,000	
Leaf Vacuum (#0468)				\$75,000	
1/2 Ton Pickup Truck (#4034)				\$40,000	
1/2 Ton Pickup Truck (#4035)				\$40,000	
1/2 Ton Pickup Truck (#4442)				\$40,000	
Fleet Service Vehicle (#0431)					\$42,000
Service Dept. Sedan (#0418)					\$28,000
TOTAL EQUIPMENT	\$2,284,200	\$1,040,000	\$1,236,578	\$1,265,000	\$883,000

TOTAL PROJECTS	\$8,569,103	\$7,224,253	\$3,653,500	\$2,442,500	\$2,196,500
TOTAL EQUIPMENT	\$2,284,200	\$1,040,000	\$1,236,578	\$1,265,000	\$883,000
Debt Service Transfers	\$1,092,013	\$1,473,013	\$1,495,780	\$1,505,112	\$1,253,023
OPWC Loan Payments	\$28,238	\$28,238	\$28,238	\$28,238	\$28,238
Lease Payments	\$86,000	\$86,000	\$88,000	\$88,000	\$88,000
CIP Administration	\$472,260	\$481,705	\$491,339	\$501,166	\$511,189
TOTAL CIP EXPENDITURES	\$12,531,814	\$10,333,209	\$6,993,435	\$5,830,016	\$4,959,950
REVENUE MINUS EXPENDITURES	\$4,346,195	-\$4,896,157	-\$1,451,142	\$2,019,623	\$989,181
BALANCE	\$9,637,718	\$4,741,561	\$3,290,419	\$5,310,042	\$6,299,223

Without Debt Proceeds & Bonded Expenditures

REVENUE WITHOUT BOND REVENUE excl. reimbursement	\$7,079,309	\$5,437,052	\$5,542,293	\$5,649,639	\$5,949,131
TOTAL PROJECTS	\$3,107,000	\$2,310,000	\$2,203,500	\$1,942,500	\$2,196,500
TOTAL EQUIPMENT	\$2,284,200	\$1,040,000	\$1,236,578	\$1,265,000	\$883,000
Debt Service Transfers	\$1,092,013	\$1,473,013	\$1,495,780	\$1,505,112	\$1,253,023
OPWC Loan Payments	\$28,238	\$28,238	\$28,238	\$28,238	\$28,238
Lease Payments	\$86,000	\$86,000	\$88,000	\$88,000	\$88,000
CIP Administration	\$472,260	\$481,705	\$491,339	\$501,166	\$511,189
EXPENDITURES WITHOUT BONDED EXPENSES	\$7,069,711	\$5,418,956	\$5,543,435	\$5,330,016	\$4,959,950
REVENUE MINUS EXPENDITURES	\$9,598	\$18,096	-\$1,142	\$319,623	\$989,181
BALANCE WITHOUT BONDS	\$5,301,121	\$5,319,217	\$5,318,075	\$5,637,698	\$6,626,879

Italics = Items to be bonded

Cat. Key: PPC = Previous Project Commitments; LM = Legal Mandate; EBS = Essential for Basic Services; IBS = Improvement to Basic Services; E = Enhancement/Discretionary; AP = Assessment Project; NFR = Need for Further Review