



City of Worthington, Ohio

2016-2020 Capital Improvements Program

Adopted: December 7, 2015

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Capital Improvements Program Overview

The five-year Capital Improvement Program (CIP) for 2016-2020 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.

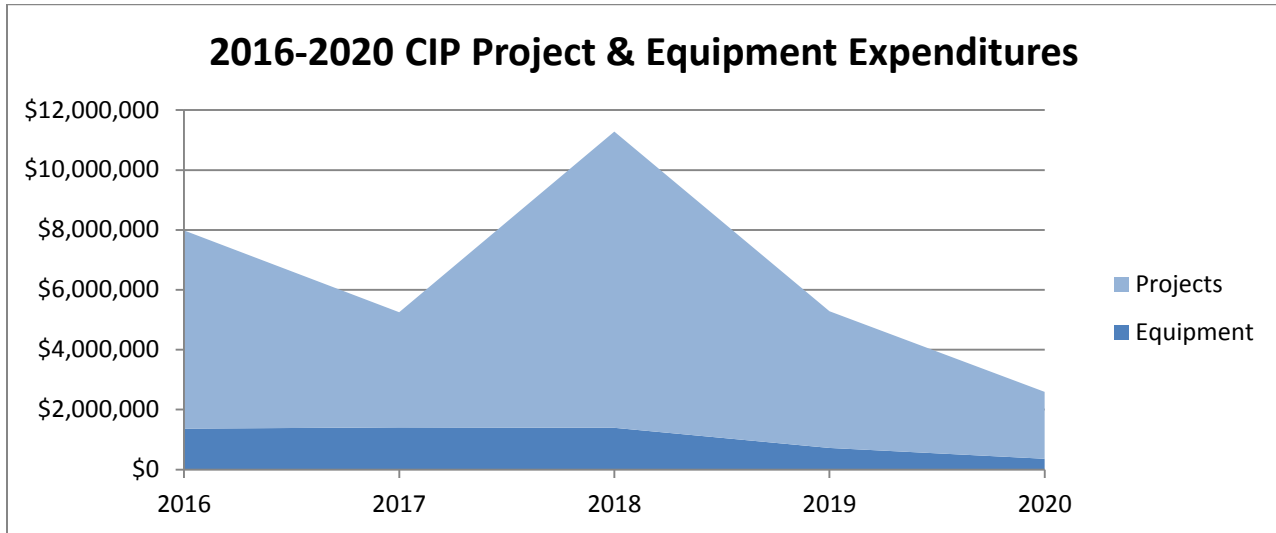
The CIP identifies the City's intended capital expenditures. The City defines capital items as:

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 2016-2020 CIP expenditures, taking into account all funding sources, reflect a higher than typical project expenses in 2016 and 2018. The 2016 increase is driven by investment in HVAC improvements at the Community Center; utility relocation and right of way acquisition related to the intersection project at Huntley, Wilson Bridge and Worthington Galena Roads; and corridor enhancements along Wilson Bridge Road. The 2018 increase in project expenditures is due to the construction of the improvements to the intersection at Huntley, Wilson Bridge and

Worthington Galena Roads. Equipment expenditures are fairly constant in the first three years of the CIP and decline in the last two years. Previous trends suggest actual equipment expenditures in 2019 and 2020 will increase as the timeframe nears and more information is available regarding the need for equipment purchases. The Fleet Manager is working to improve projections for future equipment replacement.



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 \$4,813,787 to \$5,185,055 for 2016-2020. In addition to income tax revenue, the CIP also receives revenue from the repayment of a loan made to Swiminc and a small amount of property tax revenue.

Bonds – The City can issue municipal bonds to finance capital infrastructure and equipment. The 2016-2020 CIP anticipates the issuance of bonds to fund five sanitary sewer projects, corridor enhancements along Wilson Bridge Road, work on the Huntley / Wilson Bridge / Worthington Galena intersection, HVAC improvements at the Community Center, and roof replacements at three City buildings.

Assessments – The City utilizes special assessments to charge property owners for work that benefits their property. The 2016-2020 CIP anticipates assessments for sidewalk repairs that occur in conjunction with the City’s annual street and sidewalk improvement program, and assessments for sanitary sewer extensions to the Alrojo/Samada area.

Municipal Motor Vehicle License Tax (MMVLT) – The City receives funds from a tax on vehicle license plates and uses it 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 2016-2020 CIP utilizes these funds for resurfacing of Huntley Road, the southern portion of High Street and East Wilson Bridge Road.

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 2016-2020 CIP identifies funding from the Ohio Department of Transportation for repair and repaving of Granville Road (SR-161).

Other – At times, the City is successful in obtaining funding from other sources. The 2016-2020 CIP anticipates federal transportation funds allocated by the Mid-Ohio Regional Planning Commission (MORPC) for the Huntley / Wilson Bridge / Worthington Galena intersection.

Additionally, the CIP reflects utilizing the City’s Special Parks Fund for improvements to Field 1 at Perry Park. When new housing is constructed, the builder pays a fee to this fund to support the maintenance and development of park facilities. A sufficient amount of funds have been collected to dedicate to this park project.

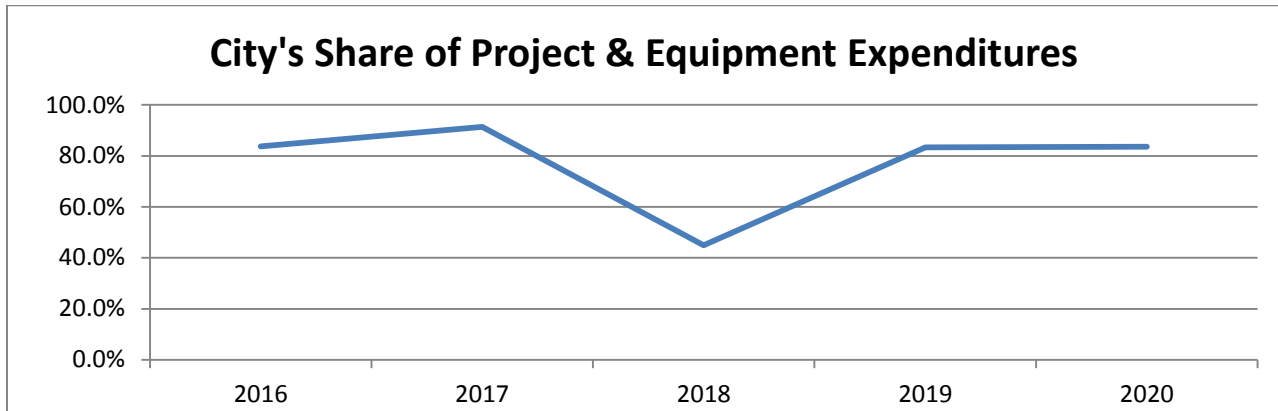
The City also has a Parks & Recreation Revolving Fund which receives the fee revenue collected from classes and programs. This fund supports the expenditures associated with the classes and programs. Funds from the Parks & Recreation Revolving Fund are identified in the CIP for the conversion of the game room at the Community Center to an additional fitness programming area.

The CIP indicates grant funds for the construction of a multi-use trail along Huntley Road and for the replacement of self-contained breathing apparatus for the Fire Division. Grant funds have not yet been secured, so will need to be pursued to fund this project and equipment purchase.

The replacement of police equipment is anticipated to be partially funded from the Law Enforcement Trust Fund which contains revenue from police seizures.

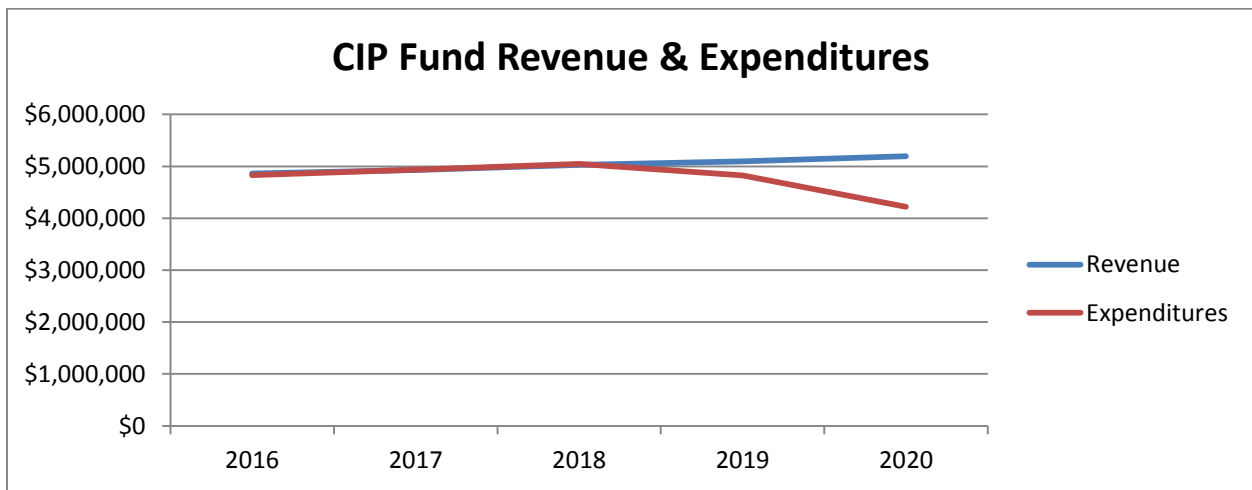
The revenue used to fund the expenditures in the 2016-2020 CIP can be evaluated to determine the amount from City sources and the amount from other sources. The City sources in the CIP are the CIP Fund, bonds, MMVLT and some of the “Other” revenue. Non-City sources in the CIP are assessments, license tax, State and some of the “Other” revenue. The City sources share

is typically in the 80 to 90% range, however the percentage drops to 45% in 2018 due to the large amount of non-City funding in the intersection project at Huntley, Wilson Bridge and Worthington Galena Roads.



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 a small amount of funds from the repayment of a loan to Swiminc and a small amount of property tax revenue. The 2016-2020 CIP Fund has expenditures almost exactly 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:

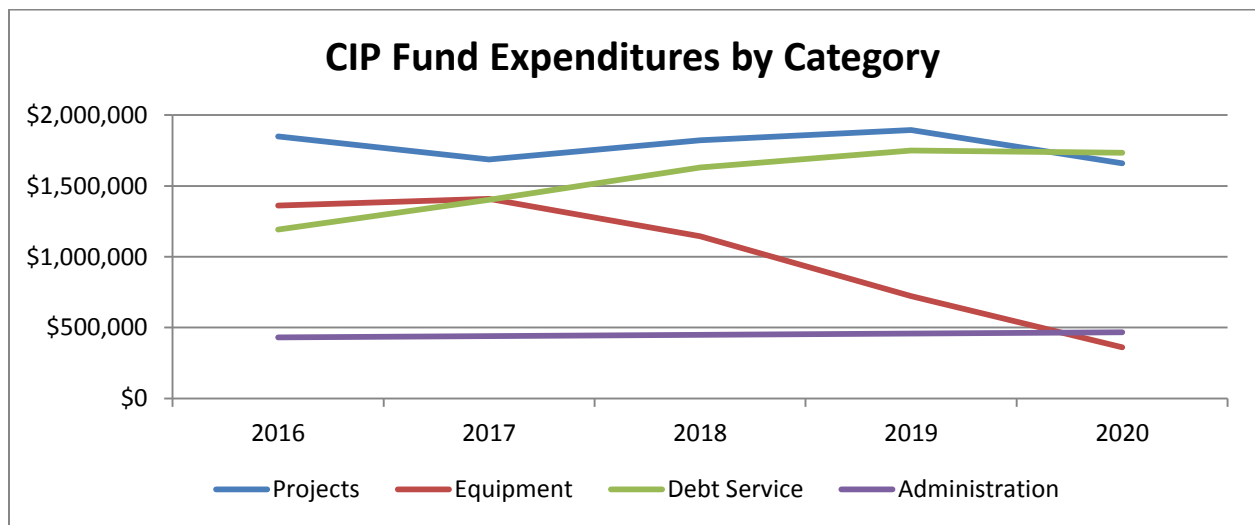
1. Projects - Projects involve investments in capital infrastructure of the City such as streets, sewers, buildings and parks. In the 2016-2020 CIP, the annual amount allocated for projects ranges from \$1,658,500 to \$1,895,000.

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 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 2016-2020 CIP, the annual amount allocated for equipment ranges from \$361,000 to \$1,408,500.

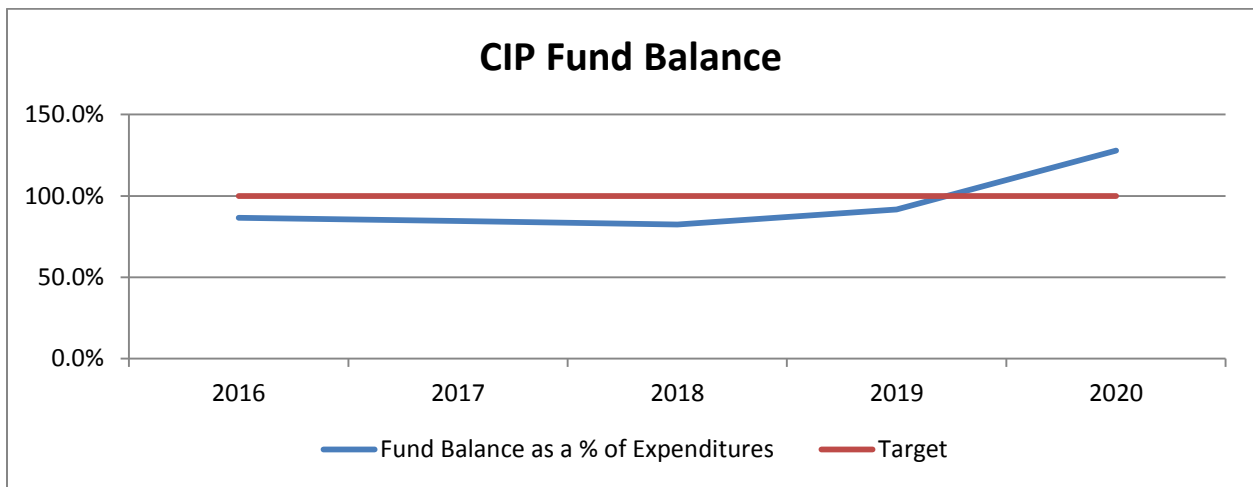
3. Debt payments – The City sometimes finances capital items through loans or the issuance of temporary notes or municipal bonds. The annual payments on the debt are paid out of the CIP funds. The annual debt payments in the 2016-2020 CIP range from \$1,191,017 to \$1,749,563.

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 \$431,563 to \$467,138 in the 2016-2020 CIP.

Project expenditures are fairly steady across the five years, with the more expensive projects scheduled for bonding to level out expenditures. Equipment expenditures are higher in the first two years and then decrease in the last three years. Actual equipment expenditures are anticipated to be higher in 2019 and 2020 than currently shown. As the timeframe nears, more information will be known about equipment that needs to be replaced. The Fleet Manager is working to improve projections for equipment replacement. The City’s debt service payments trend upward due to 11 projects in the 2016-2020 CIP that are scheduled to be bonded.



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 practice 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. The fund balance target is not met in the proposed CIP due to pressures for projects and equipment. However, revenue and expenditures are close to balancing, thus the fund balance target is not achieved because the existing fund balance is lower than anticipated annual revenues and expenditures.



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. In the 2016-2020 CIP, there are funds for the relocation of the Hardy Way sanitary sewer.

Legal Mandates – This category includes projects the City is legally mandated to complete. The 2016-2020 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 2016-2020 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 2016-2020 projects in this category primarily include renovations to parks and playgrounds as well as investments in the business area of Old Worthington.

Enhancement / Discretionary – This category includes projects that provide something new that has not been historically provided by the City. The 2016-2020 projects in the category include enhancements to the Wilson Bridge Road corridor, wayfinding signage around the community, conversion of the game room at the Community Center and bike and pedestrian improvements.

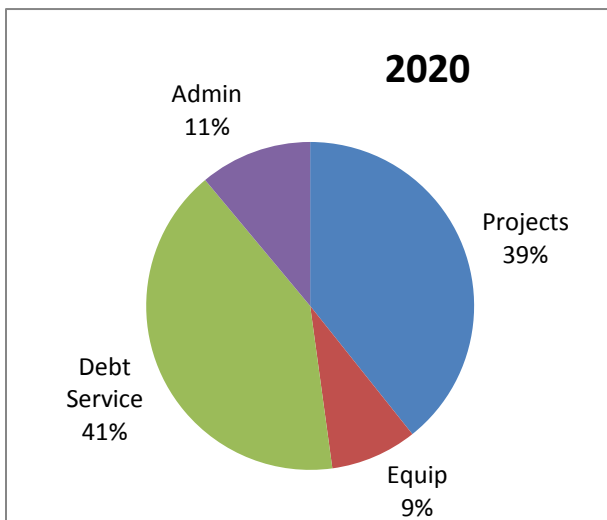
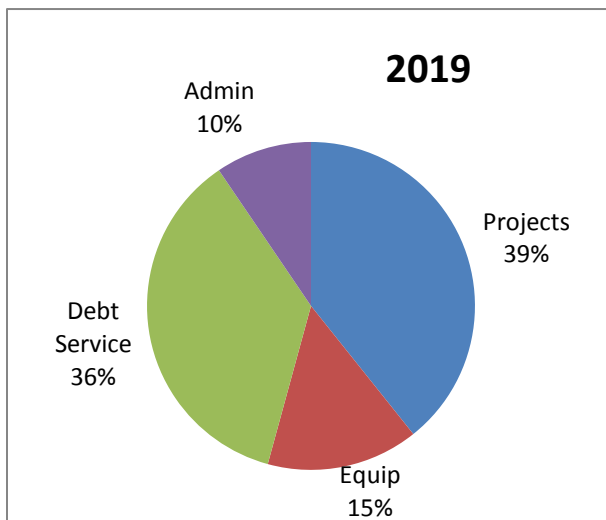
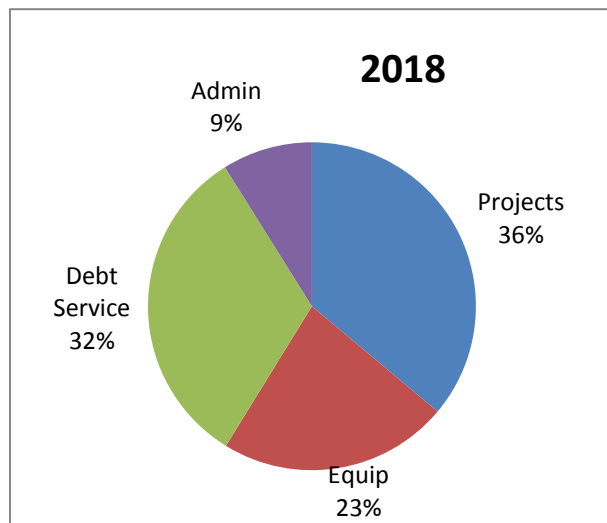
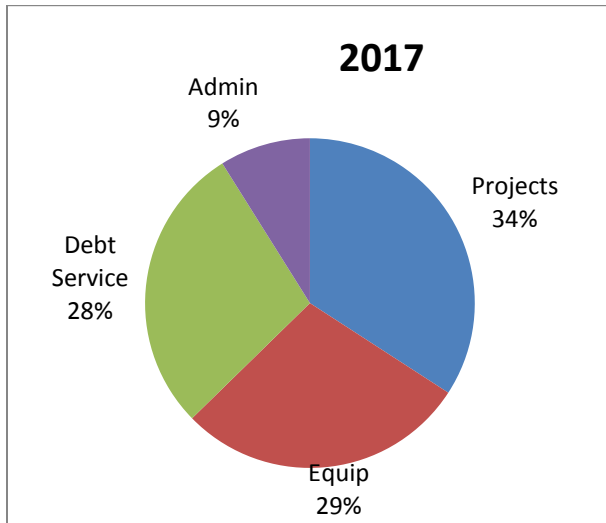
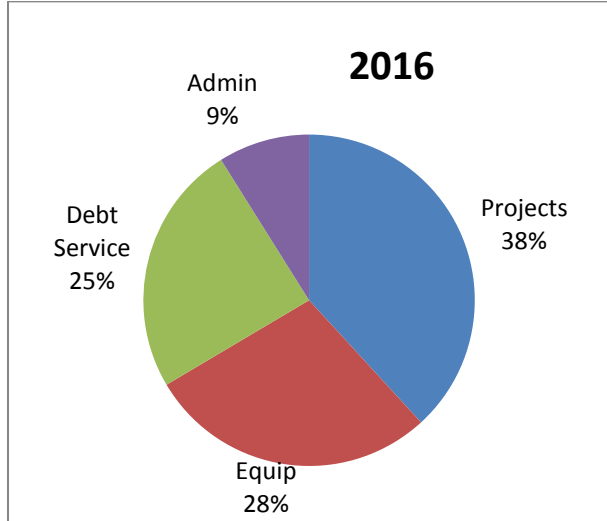
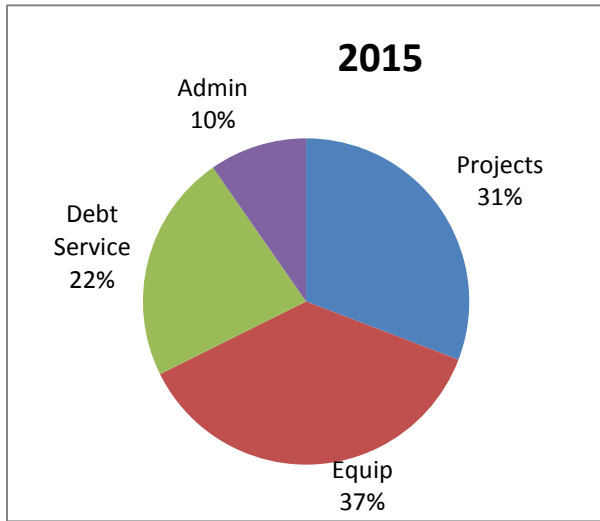
Assessment Projects – This category includes projects that involve special assessments on properties that benefit from the project. The assessment project included in the 2016-2020 CIP is for sanitary sewer extension in the Alrojo Street and Samada Street area.

Need for Further Review – This category includes projects that need additional evaluation and consideration. The 2016-2020 CIP includes one project in this category, storm sewer improvements in the Morning Street and Crandall Street area.

Capital Improvements Program Comparisons

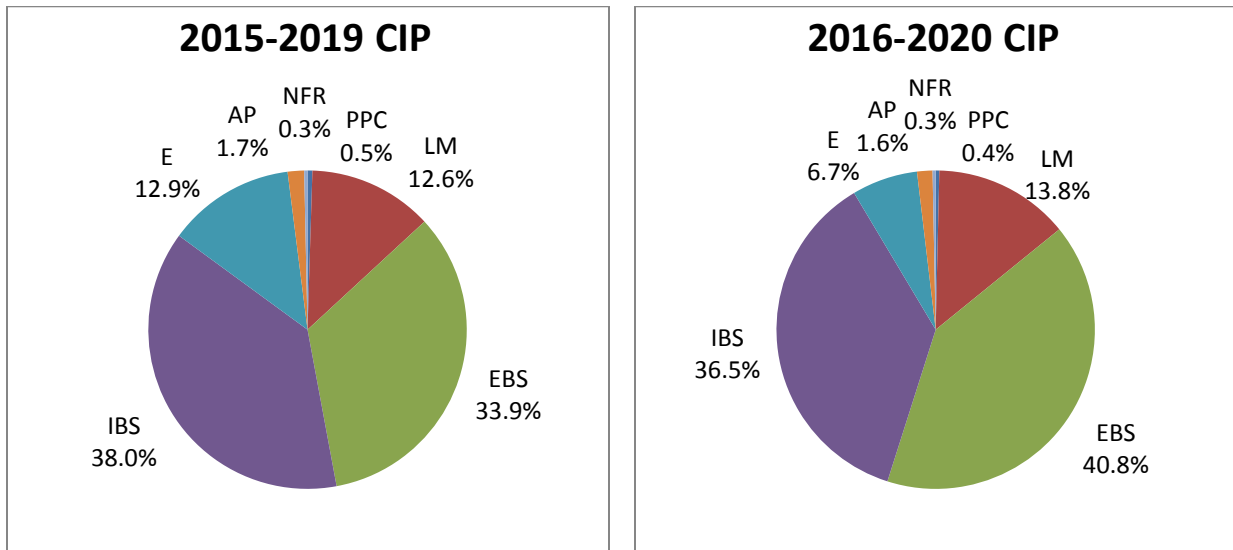
The City's allocation of expenditures from the CIP Fund across the four categories of projects, equipment, debt service and administration varies from year to year depending on identified needs. The following charts show the percent of expenditures allocated to each area by year, including a comparison with 2015. In 2015, the City purchased two higher priced pieces of equipment, a fire truck and a sewer jet truck, resulting in a higher percentage spent on equipment. Project and equipment expenditures are more balanced in 2016, 2017 and 2018. Equipment expenditures are low in 2019 and 2020 so projects and debt service consume a larger percentage of total expenditures. As those years near, equipment expenditures 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 the 11 projects planned for bonding during this timeframe.

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.

Types of Projects



Existing and Anticipated Debt

The City's 2016-2020 CIP includes annual debt payments ranging from \$1,191,017 to \$1,734,946. This is a combination of payments on existing debt and anticipated debt.

The City's existing debt obligations consist of the following breakdown:

2015 Refunding Bonds for the Police Division and Community Center Improvements

- Interest: 1.62%
- Issuance: \$4,590,000
- Principal Payment due in 2016: \$730,000
- Interest Payment due in 2016: \$73,062

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

- Interest: 0%
- Original Issuance: \$156,201
- Remaining Principal as of 1/1/2016: \$93,720.60
- Annual Payments: \$7,810.06

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

Interest: 0%

Original Issuance: \$612,816

Start Date for Principal Payments: 7/1/2015

Annual Payments: \$20,428

Bond Anticipation Note for Fire Ladder Truck, Davis Estates Waterline and Community Center Window Replacement

Renewal Issued: 1/22/2015

Maturing: 1/21/2016

Current Issuance: \$1,660,000 at 1.01% interest

Interest Payment due in 2016: \$16,766

Principal Payment: \$100,000

The City has three 2015 projects that are scheduled to be bonded:

Central District Sanitary Sewer Repairs	\$250,000
Basins 6 & 8 Sanitary Sewer Repairs	\$150,000
Huntley/Wilson Bridge/Worthington Galena Design	\$600,000

The 2016-2020 CIP includes additional debt for the following projects:

Northbrook Relief Sewer Phase II	\$460,000
Central District Sanitary Sewer Improvements	\$500,000
Community Center HVAC Improvements	\$900,000
Huntley / Wilson Bridge / Worthington Galena Intersection	\$1,891,278
Kenyonbrook Trunk Sewer Improvement	\$1,180,000
Wilson Bridge Road Corridor Enhancements (construction)	\$800,000
Fire Station Roof Replacement	\$295,000
Municipal Building Roof Replacement	\$225,000
North Districts Sanitary Sewer Improvements	\$500,000
North Districts Sanitary Sewer Repairs & Lining	\$750,000
Community Center South End Roof Replacement	\$890,000

The City anticipates issuing bonds for two legally-mandated sanitary sewer projects that will be completed past 2020, thus are not included in the 2016-2020 CIP:

West & Industrial District Sanitary Sewer Repairs	\$250,000
West & Industrial District Sanitary Sewer Improvements	\$500,000

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other	
Year: 2016									
Northbrook Relief Sewer Phase II (design update and construction)	LM		\$460,000						\$460,000
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. Prior to bidding the project the design will be reviewed and updated in consideration of the changes made to the Kenyonbrook Siphon Removal plans.									
Central District Sanitary Sewer Improvements	LM		\$500,000						\$500,000
Repair, rehabilitation and/or replacement of sanitary sewer infrastructure in the Central Sanitary Sewer District as identified in the Central District Study.									
Kenyonbrook Trunk Sewer Improvement (design)	LM		\$141,600						\$141,600
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.									
Street & Sidewalk Improvement Program	EBS	\$725,000		\$25,000	\$150,000				\$900,000
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 is proposed to be by the Department of Service & Engineering.									
Arterial Improvements (Granville Road, East Corp. to West Corp.) FRA 161-8.67	EBS	\$98,600					\$493,000		\$591,600
Resurfacing of Granville Road (SR-161) from the eastern corporation limit (railroad overpasses) to the western corporation limit, Olentangy River Road. The arterial streets are on a ten-year cycle for maintenance and this street was last overlaid in 2004. The surface is deteriorating and needs to be addressed. The project is being constructed as part of the Ohio Department of Transportation (ODOT) Urban Paving Program. Preparation of plans and specifications along with construction administration will be performed by ODOT.									
Building Improvement Program	EBS	\$50,000							\$50,000
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. The 2016 project is intended to be replacement of the Fire Station kitchen.									

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other	
Year: 2016									
Community Center HVAC Improvements	EBS		\$900,000						\$900,000
This project to makes improvements to the Community Center HVAC system. A study has been completed to provide recommendations for improvements which will be made in 2016. The study identified several options; this project provides funding for the least expensive one.									
Traffic Signal Improvement Program	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.									
Fire Station Roof Replacement (Design)	EBS	\$35,400							\$35,400
Design of a replacement roof on the Worthington Fire Station, which has been evaluated and has reached the end of its useful life. Funding is provided in this year for design work with the construction scheduled for 2017. This project will likely be combined with the Municipal Building Roof Replacement which is a similar type of roof and in close proximity.									
Community Center Running Track Replacement	EBS	\$27,000							\$27,000
Replacement of the running track in the Community Center. The track has exposed seams, chipping along the turns, especially on the north radius where there is sun exposure, and a deterioration in overall condition. The typical lifespan for a track is 10 years so it has exceeded its useful life.									
Municipal Building Roof Replacement (Design)	EBS	\$27,000							\$27,000
Design of a replacement Municipal Building Roof including re-routing HVAC vents to basement wells and elimination of chimney penetrations . Design funding is provided this year with construction scheduled for 2017. This project will likely be combined with the Fire Station Roof Replacement which is a similar type of roof and in close proximity.									
Urban Forestry Restoration	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	IBS	\$60,000							\$60,000
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. The 2016 project involves the access control system at the Police Building and expansion of the cameras in City buildings.									

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other	
Year: 2016									
Huntley/Wilson Bridge/Worthington Galena (Utilities & ROW)	IBS		\$445,000					\$780,000	\$1,225,000
Improvement of the Huntley / Wilson Bridge / Worthington-Galena intersection and the connection of the intersection to Sancus Boulevard. The project provides funding for utility relocations and right of way acquisition as needed. Funding of the construction of the project has been awarded through the Mid-Ohio Regional Planning Commission Attributable Funding Program.									
Perry Park Field 1 Improvements	IBS	\$14,516						\$55,484	\$70,000
Year two of a three year process to improve ball diamonds at Perry Park. Funding will go toward improvements to field 1: laser grading infield, drainage and irrigation improvements, and a new backstop and dugouts. The Park Improvement Fund is providing \$55,484 of the funding for this project.									
McCord Park & Heischman Park Playground Replacement	IBS	\$300,000							\$300,000
Replacement of the McCord Park and Heischman Park Playgrounds. Both playgrounds are over 20 years old and in need of replacement. These funds replace the existing playgrounds, safety surfacing, and any curb/sidewalk work around the playground areas.									
Tennis Court and Basketball Court Resurfacing	IBS	\$137,500							\$137,500
Replacement of the deteriorating tennis and basketball courts at Indianola Park, crack filling and resurfacing of the basketball and tennis courts at Linworth Park and the tennis courts at Wilson Hill Park and the Olentangy Parklands. This funding will also allow for the addition of permanent Pickle Ball courts at a site to be recommended by the Parks and Recreation Commission.									
Community Center North Locker Room Shower Stall Alterations	IBS	\$16,500							\$16,500
This project would allow 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.									
SR-161 Study from SR-315 to Sawmill Road	IBS	\$150,000							\$150,000
This project provides Worthington's share of the funding for preliminary engineering work associated with the study of State Route 161 between State Route 315 and Sawmill Road.									
Community Wayfinding Signage	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.									

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total	
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other		
Year: 2016										
Wilson Bridge Corridor Enhancements (construction)	E		\$800,000							\$800,000
Development of enhancements to improve the Wilson Bridge corridor consistent with the recommendations of the Wilson Bridge Road Plan adopted by City Council in 2011. The project also includes consideration of wayfinding, bicycle and pedestrian mobility and traffic management improvements.										
Bike & Pedestrian Improvements	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. The planned 2016 project is pedestrian crossing improvements at Stafford Avenue & High Street.										
Community Center Game Room Conversion	E							\$16,000		\$16,000
Purchase of equipment to allow for the transformation of the existing Community Center Game Room to an additional programming area. The transformation of this space will allow the room to be better and more consistently utilized to serve residents and members. This improvement can be funded from Community Center revolving funds as staff anticipate the return on investment of new programs, rentals, and member benefits to pay for the improvements.										
2016 Total - Projects		\$1,849,016	\$3,246,600	\$25,000	\$150,000		\$0	\$493,000	\$851,484	\$6,615,100

Year: 2017										
Kenyonbrook Trunk Sewer Improvement (construction)	LM		\$1,038,400							\$1,038,400
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.										
North Districts Sewer Study	LM	\$175,000								\$175,000
Sanitary Sewer Evaluation Study (SSES) of the north sanitary sewer districts as mandated by the Director's Findings and Orders issued to the City by the Ohio EPA.										
Street & Sidewalk Improvement Program	EBS	\$725,000		\$25,000	\$150,000					\$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 is proposed to be by the Department of Service & Engineering.										

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total	
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other		
Year: 2017										
Arterial Improvements (Huntley Road, Granville-Schrock)	EBS					\$425,000				\$425,000
Repair of curbs and gutters, storm inlets, street base, milling and overlaying pavement, and restriping.										
Building Improvement Program	EBS	\$50,000								\$50,000
This is an 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.										
Fire Station Roof Replacement	EBS		\$295,000							\$295,000
Replacement of the roof on the Worthington Fire Station, which has been evaluated and has reached the end of its useful life. Funding is provided in 2016 for design work with the construction scheduled for 2017. This project will likely be combined with the Municipal Building Roof Replacement which is a similar type of roof and in close proximity.										
Municipal Building Roof Replacement	EBS		\$225,000							\$225,000
Replacement of the Municipal Building Roof including rerouting HVAC vents to basement wells and elimination of chimney penetrations . Funding is provided in 2016 for design with construction scheduled for 2017. This project will likely be combined with the Fire Station Roof Replacement which is a similar type of roof and in close proximity.										
Community Center Natatorium Sprinkler Head Replacement	EBS	\$66,000								\$66,000
Replacement of the 112 existing stainless steel sprinkler heads in the natatorium area. Heads are in need of replacement and require the pool to be empty when one goes bad.										
Fire Apparatus Bay Exhaust & Heating System	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.										
Upper Rush Run Stream Restoration (Study)	EBS	\$25,000								\$25,000
This project provides funding for a study of the stream environment of Upper Rush Run from the Huntley Bowl to Lakeview Plaza. The study will evaluate environmentally sound techniques to remove silt and provide improved drainage										
Urban Forestry Restoration	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.										

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total	
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other		
Year: 2017										
Perry Park Field 3 Improvements	IBS	\$80,000								\$80,000
Year three of a three year process to improve ball diamonds at Perry Park. Funding will go toward improvements to field 3: laser grading infield, drainage and irrigation improvements, and a new backstop and dugouts. Additional funding sources will be sought for this project.										
Perry Park Path Improvement	IBS	\$150,000								\$150,000
Repair and overlay of the trail system in Perry Park, which is showing its age.										
Community Center Water Slide Refurbishing	IBS	\$9,500								\$9,500
Resurfacing of the large water slide in the Community Center to bring back the original shine and look.										
Community Center Pool Underwater Lighting Replacement with LEDs	IBS	\$7,750								\$7,750
Replace the current underwater lighting with high efficiency LEDs, eliminating the need to replace on an annual basis at a cost of \$2,500 a year.										
CBD Paver Renovation	IBS	\$50,000								\$50,000
This is a phased project over three years to remove, level and reset sidewalk pavers from the Village Green Drive South to South Street										
Community Wayfinding Signage	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.										
Bike & Pedestrian Improvements	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.										
Alrojo/Samada Sanitary Sewers (design)	AP	\$63,750								\$63,750
Design of public sanitary sewers to serve the unserved properties west of Olentangy River Road and south of Granville Road.										
2017 Total - Projects		\$1,685,500	\$1,558,400	\$25,000	\$150,000	\$425,000	\$0	\$0		\$3,843,900

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total	
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other		
Year: 2018										
North Districts Sanitary Sewer Improvements	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.										
Street & Sidewalk Improvement Program	EBS	\$725,000		\$25,000	\$150,000					\$900,000
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 is proposed to be by the Department of Service & Engineering.										
Arterial Improvements (Huntley Road, Schrock to Wilson Bridge; Schrock Road, Worthington Galena Road to railroad tracks)	EBS						\$190,000			\$190,000
Repair of curbs and gutters, storm inlets, street base, milling and overlaying pavement, and restriping.										
Building Improvement Program	EBS	\$50,000								\$50,000
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	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.										
Old Worthington Street Light and Mast Arm Rehabilitation Project	EBS	\$250,000								\$250,000
Conversion of the Old Worthington street light system to LED and the painting of street lights supports and decorative mast arm traffic signal supports in the City										
Community Center South End Roof Replacement (Design)	EBS	\$80,000								\$80,000
Design of the replacement of the rubber membrane roof above both gymnasiums and the sloped shingle roofing along the peaks on the south end of the community center. This project will also include green energy efficiency considerations during design such as solar panels. The roof is over 20 years old and is requiring annual investment to fight leaking and damage to the building.										

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total	
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other		
Year: 2018										
Community Center Window Replacement (community and meeting rooms)	EBS	\$25,000								\$25,000
Replacement of the exterior windows in the Community and Meeting Rooms at the south end of the Community Center. The current windows are no longer air tight and are inefficient and in need of replacement.										
Community Center Fitness Floor Painting	EBS	\$14,000								\$14,000
Repainting of the fitness floor area of the Community Center. The area is typically painted every five years on average.										
Community Center Parking Lot Reconstruction	EBS	\$325,000								\$325,000
Reconstruct the parking lot for the Community Center										
Urban Forestry Restoration	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	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.										
Huntley/Wilson Bridge/Worthington Galena (Construction)	IBS		\$1,446,278					\$5,753,722		\$7,200,000
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 party by Federal Attributable Funds.										
CBD Paver Renovation	IBS	\$50,000								\$50,000
This is a phased project over three years to remove, level and reset sidewalk pavers from the Village Green Drive South to South Street										
CBD Holiday Decoration Replacement	IBS	\$45,000								\$45,000
Replace the holiday decorations for the Central Business District (Old Worthington) corridor										

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total	
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other		
Year: 2018										
Community Wayfinding Signage	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.										
Bike & Pedestrian Improvements	E	\$100,000								\$100,000
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.										
2018 Total - Projects		\$1,821,500	\$1,946,278	\$25,000	\$150,000	\$190,000	\$0	\$5,753,722	\$9,886,500	
Year: 2019										
Hardy Way Sanitary Sewer Relocation	PPC	\$100,000								\$100,000
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.										
North Districts Sanitary Sewer Repairs & Lining	LM		\$750,000							\$750,000
Repairs to the North Districts sanitary sewer infrastructure to be identified in the North Districts Sanitary Sewer Study.										
Street & Sidewalk Improvement Program	EBS	\$725,000		\$25,000	\$150,000					\$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 is proposed to be by the Department of Engineering.										
Arterial Improvements (High Street, South Corp. to South Street)	EBS	\$48,000					\$192,000			\$240,000
Repair of curbs and gutters, storm inlets, street base, milling and overlaying pavement, and restriping.										

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other	
Year: 2019									
Building Improvement Program	EBS	\$50,000							\$50,000
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.									
Upper Rush Run Stream Restoration	EBS	\$250,000							\$250,000
Implementation of the study recommendations regarding the restoration of the stream environment of Upper Rush Run from the Huntley Bowl to Lakeview Plaza. Work to include environmentally sound techniques to remove silt and provide improved drainage									
Community Center South End Roof Replacement	EBS		\$890,000						\$890,000
Replacement of the rubber membrane roof above both gymnasiums and the sloped shingle roofing along the peaks on the south end of the community center. This project will also include green energy efficiency considerations during design such as solar panels. The roof is over 20 years old and is requiring annual investment to fight leaking and damage to the building.									
Fuel Dispensing System and Tank Farm Replacement	EBS	\$350,000							\$350,000
Replacement of the tank farm 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. The project will include evaluation of alternative fuel capabilities and joint user options with partner agencies.									
Community Center Locker Room Painting	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 South End Door Replacements	EBS	\$70,000							\$70,000
Replacement of exterior doors on the south end of the Community Center.									
Urban Forestry Restoration	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	IBS	\$50,000							\$50,000
This is a phased project over three years to remove, level and reset sidewalk pavers from the Village Green Drive South to South Street									

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total	
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other		
Year: 2019										
Community Wayfinding Signage	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.										
Bike & Pedestrian Improvements	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.										
Huntley Road Multi-Use Trail	E							\$300,000		\$300,000
Construction of a multi-use trail connecting Huntley Bowl Park, the Schrock Road bike lanes and the bicycle/pedestrian facilities to be constructed with the Huntley/Wilson Bridge/Worthington Galena project. Anticipate pursuit of a grant to fund this project.										
Alrojo/Samada Sanitary Sewers (construction)	AP			\$361,000						\$361,000
Construction of public sanitary sewers funded by assessment to serve the unserved properties west of Olentangy River Road and south of Granville Road.										
Morning/Crandall Storm Sewer Improvement	NFR	\$85,000								\$85,000
Replacement of the storm sewer under Morning Street from Wilson Hill Park to Crandall Drive										

2019 Total - Projects		\$1,895,000	\$1,640,000	\$386,000	\$150,000	\$192,000	\$0	\$300,000	\$4,563,000
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Year: 2020										
West & Industrial Districts Sewer Study	LM	\$175,000								\$175,000
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	EBS	\$725,000		\$25,000	\$150,000					\$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 is proposed to be by the Department of Engineering.										

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other	
Year: 2020									
Arterial Improvements (Wilson Bridge Road, Huntley to High)	EBS					\$400,000			\$400,000
Repair of curbs and gutters, storm inlets, street base, milling and overlaying pavement, and restriping.									
Building Improvement Program	EBS	\$50,000							\$50,000
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	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 Window Replacements - Art, Pottery & Childcare	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.									
Oxford Court/Southwest Addition Sanitary Improvement	EBS	\$300,000							\$300,000
Replacement of the sanitary sewers serving the Oxford court area. These sewers will be evaluated in the Central District Study. Some sewers are not located in public easements and are expected to be recommended for replacement.									
Urban Forestry Restoration	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	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.									
East Granville Road Park Playground Replacement	IBS	\$175,000							\$175,000
Replacement of the playground at East Granville Road Park. The current playground was installed in 1993 and is in need of replacement.									

2016-2020 Capital Improvement Program - Projects

Project	Category	Funding							Total	
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other		
Year: 2020										
Bike & Pedestrian Improvements	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.										
2020 Total - Projects		\$1,658,500	\$0	\$25,000	\$150,000	\$400,000	\$0	\$0	\$2,233,500	
TOTAL CIP PROJECTS		\$8,909,516	\$8,391,278	\$486,000	\$750,000	\$1,207,000	\$493,000	\$6,905,206	\$27,142,000	

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2016								
Small Equipment Replacement	P&R	\$15,000						\$15,000
Annual replacement of small equipment in Parks and Recreation to include items from \$500 to less than \$10,000.								
Community Center Filtration Pump and Motor Replacement	P&R	\$26,000						\$26,000
Replacement of the filtration pump and motor for the Leisure Pool which are at the end of their useful life.								
3/4 Ton Pickup with Plow (#0249 & P)	P&R	\$42,000						\$42,000
Replacement of 3/4 ton pick-up with plow 249-03R. Ranks high for replacement due to age, usage and cost to maintain.								
Turf Mower (#0251)	P&R	\$19,000						\$19,000
Replacement of a z-turn mower. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October resulting in a useful life of about five years. One mower is replaced each year to keep a functioning fleet.								
Community Center Fitness Equipment	P&R	\$90,000						\$90,000
Replacement of cardio 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.								
Parks Minivan (#0215)	P&R	\$23,000						\$23,000
This vehicle is 14 years old and rusted								
Tractor with Loader (#0254)	P&R	\$30,000						\$30,000
34 years old, needs to be replaced.								
Cushman Cart (#0284)	P&R	\$14,000						\$14,000
1989 Model used for ball fields and parks. It is in the shop regularly for maintenance, thus is planned for replacement.								
Portable Stage Replacement	P&R	\$8,900						\$8,900
The current stage was purchased thirty years ago. It is cumbersome to move and store and is no longer portable outside of the Community Center. The new stage would be 12'x24'x24" and would be able to be moved by just two people and be transported around the city for various events.								

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2016								
Community Center Washer/Dryer Replacement	P&R	\$7,500						\$7,500
Replacement of the current washer and dryer in the Community Center with a commercial washer and dryer. We have gone through three washers and dryers since opening the center 12 years ago and feel it would be wiser to purchase a commercial set to receive better value and reliability over the life of the units.								
Griswold Town Hall Sound System Replacement	P&R	\$5,000						\$5,000
Replacement of the existing overhead sound system with up to date technology. Our current system is failing and the speakers are not performing at an acceptable level for our senior audience.								
Griswold Tuller Lounge Furniture and Drapery Replacement	P&R	\$11,000						\$11,000
The current sofa, loveseat, arm chairs, and wing back chair are 22 years old and need replaced. The room is used on a daily basis by multiple groups and the furniture needs to be in good repair.								
Irrigation System Software & Hardware	P&R	\$10,000						\$10,000
Irrigation telemetry software, hardware and consulting assistance. This system is 10 years old and utilizes outdated technology. A new system will reduce the ongoing operating costs associated with the system.								
Police Cruisers (#0322 & 0324)	PD	\$83,500						\$83,500
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.								
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.								
Tasers	PD	\$5,000						\$5,000
The division has a limited number of tasers for patrol use and none for the detectives. Due to a tight CIP budget, the previous request to equip each officer with a taser is modified to purchase a few new tasers to be shared.								
Police Officer Ballistic Vests	PD	\$6,750					\$6,750	\$13,500
19 ballistic vest replacements per the collective bargaining agreement. Fifty percent of the cost will come from the Law Enforcement Trust Fund								

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2016								
Police Initial Issue Equipment	PD	\$19,500						\$19,500
Anticipate hiring three officers in 2016 and this covers all initial issue equipment								
Printer/Copier	PD	\$13,000						\$13,000
Replaces C450 copier that is 14 years old								
Small Equipment Replacement	S&E	\$15,000						\$15,000
Funding for small equipment replacement as necessary. Typical equipment includes chain saws, weed wackers and other power tools.								
2 1/2 Ton Dump Truck with Plow & Spreader (#0444 P/S)	S&E	\$165,000						\$165,000
Replacement of a dump truck including the snow plow and salt spreading equipment. This replacement was previously delayed and it needs to occur due to rusting and other issues.								
Suburban Replacement (#0411)	S&E	\$31,000						\$31,000
This vehicle is 19 years old, requires frequent maintenance and no longer meets the department needs. Propose to replace with 1/2 ton pickup								
Medium Duty Plow & Dump Truck (#0438)	S&E	\$160,000						\$160,000
The bed of this truck is heavily rusted and needing replacement. The unit no longer meets departmental needs and is no longer reliable for use as intended.								
Ford Escape (#417)	S&E	\$31,000						\$31,000
This vehicle has 112,000 miles The unit is a hybrid vehicle that no longer meets departmental needs, requires frequent repairs and is soon due for battery pack replacement. Propose to replace with 1/2 Ton Pickup								
Vapor Root Machine (#0443)	S&E	\$42,000						\$42,000
Replacing smaller unit that no longer works as intended. Recommend upgrade to a more capable unit.								
Low-Boy Trailer	S&E	\$8,000						\$8,000
Replacement of a 1995 hydraulically operated low-boy trailer. The unit is used regularly and is getting in bad condition.								

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2016								
GIS Database Server, GIS Web Server	S&E	\$29,000						\$29,000
Replaces server, web server, database, and software that will be seven years old and does not have enough horsepower								
Firefighter Protective Equipment	FD	\$50,000						\$50,000
This purchase is to replace the turnout gear for 1/3 of the department. This equipment is on a four year replacement cycle.								
Medic Vehicle Replacement (#0514)	FD	\$235,000						\$235,000
The reserve medic has frequently been out of service due to repairs and is no longer reliable.								
Mobile Radios	FD	\$14,000						\$14,000
This adds an additional mobile radio to Battalion 101 and Chief 102 vehicles for incident management. Changes in response procedures make having these additional radios a necessity to monitor multiple channels from the command cars.								
Auto Extrication Equipment	FD	\$20,000						\$20,000
Replacement of components of our hydraulic tools and strut systems. Current hydraulic pump units are eight years old; purchase will allow the placement of new pumps on the primary engine and pumps on the reserve engine.								
Medical Decontamination System	FD	\$19,000						\$19,000
System to decontaminate EMS vehicles and station facilities.								
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.								
Finance Server	A/IT	\$12,000						\$12,000
This project replaces the server that facilitates the financial software for the City. The server is scheduled for replacement to ensure the server adequately supports the software system.								
2016 Total - Equipment		\$1,360,150					\$6,750	\$1,366,900

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2017								
Small Equipment Replacement	P&R	\$15,000						\$15,000
Annual replacement of small equipment in the Parks and Recreation Department. Includes non-fleet equipment typically between \$500 and \$5,000 in value.								
Community Center Fitness Equipment	P&R	\$90,000						\$90,000
Replacement of a portion of the 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.								
Leisure Pool Play Structure	P&R	\$95,000						\$95,000
Replacement of the clam slide (small blue slide) and bucket toy feature in the Community Center Leisure Pool. Both items are at the end of their useful life and need replaced. Staff will work through a process with community input to select the new play feature for the leisure pool.								
Griswold Copier Replacement	P&R	\$11,000						\$11,000
Replacement of the copy machine at the Griswold Center.								
Griswold Fitness Equipment	P&R	\$17,000						\$17,000
Replacement of the fitness equipment at the Griswold Center. This fitness equipment is typically replaced every five years.								
Pool Filter Sand	P&R	\$8,500						\$8,500
Replacement of the sand used in the filtration of the Community Center swimming pools. The sand in these filters typically has about a 10 year life expectancy before needing replacement.								
Turf Mower with Trailer (#0253)	P&R	\$19,000						\$19,000
Replacement of a z-turn mower. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October and this mower's down-time and time in the shop has increased as it nears the end of its useful life (5 years). The trailer is used to haul the mowers for the crew from site to site. One mower is replaced each year to keep a functioning fleet.								
Police Cruisers	PD	\$125,000						\$125,000
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.								

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2017								
Mobile Data Terminals - Police	PD	\$21,000						\$21,000
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.								
Staff Car (#0333)	PD	\$24,000						\$24,000
This is a 2006 Ford Fusion and is on a 10 year rotation for replacement.								
Small Equipment Replacement	S&E	\$15,000						\$15,000
Funding for small equipment replacement as necessary. Typical equipment includes chain saws, weed wackers and other power tools.								
Sign Shop Large Format Laser Printer	S&E	\$30,000						\$30,000
This will allow us to make professional signs for City functions and upgrade the City's old technology in this area.								
Service and Engineering Management and Operation System	S&E	\$50,000						\$50,000
Consulting services to evaluate software for implementing a computerized management and operation system for the Service and Engineering Department								
1/2 Ton Pickup (#0430)	S&E	\$31,000						\$31,000
Replacement of a 1/2 ton pickup truck used by the Service staff. The vehicle has 98,000 miles plus a lot of idling time.								
Leaf Vacuum (#0467)	S&E	\$60,000						\$60,000
Replacement of a 1998 unit. It is requiring frequent maintenance and is used heavily in leaf season								
Bucket Truck (#0436)	S&E	\$165,000						\$165,000
Replacement of a 2001 unit used for traffic lights, tree work, street lights and sign placement. The current truck has experienced extensive downtime due to repairs.								
2 1/2 Ton Dump Truck w/ Plow & Spreader (#0437)	S&E	\$165,000						\$165,000
Replacement of 2005 unit used for salt application, snow removal and leaf removal. It has extensive rust and corrosion.								

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other	
Year: 2017									
Pickup Truck Replacement (#0412)	S&E	\$31,000							\$31,000
Replacement of a 2001 Pickup truck with 1/2 ton pickup									
Street Sweeper (#460)	S&E	\$250,000							\$250,000
Replacement of 2005 Unit #0460 used for salt application, snow removal and leaf removal. The sweeper is in the shop frequently for major repairs and is the only one we have.									
Engineering Vehicle	S&E	\$21,000							\$21,000
Replacement of a utility vehicle used by the Service & Engineering staff									
Firefighter Protective Equipment	FD	\$50,000							\$50,000
This purchase is to replace the turnout gear for 1/3 of the department. This equipment is on a four year replacement cycle.									
Small Equipment Replacement	FD	\$15,000							\$15,000
Each one of the fire vehicles carry a number of power tools, generators, saws, hydraulic pumps, etc. This project provides for replacement of this equipment as necessary.									
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.									
Municipal Building Furniture Replacement	A/IT	\$15,000							\$15,000
New chairs and tables will be purchased for the training room in the Louis J.R. Goorey Municipal Building to replace the existing tables and chairs which are deteriorating due to age and use. Project also involves the replacement of the conference room furniture in the City's Manager's office. The furniture is twenty years old and is showing its age.									
2017 Total - Equipment		\$1,408,500							\$1,408,500

Year: 2018									
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.									

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2018								
Community Center Fitness Equipment	P&R	\$90,000						\$90,000
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.								
3/4 Ton Pickup	P&R	\$40,000						\$40,000
Replacement of the 3/4 ton pick-up 250-07R.								
3/4 Ton Pickup	P&R	\$40,000						\$40,000
Replacement of the 3/4 ton pick-up 240-06R.								
Community Center Copier	P&R	\$24,000						\$24,000
Replacement of the copier at the Community Center. Typical lifespan is five years.								
Turf Mower	P&R	\$19,000						\$19,000
Replacement of a z-turn mower. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October on average resulting in a useful life of about five years. One mower is replaced each year to keep a functioning fleet.								
Police Cruisers	PD	\$125,000						\$125,000
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.								
Mobile Data Terminals - Police	PD	\$21,000						\$21,000
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.								
Furniture - Communication Center	PD	\$40,000						\$40,000
Purchase new furniture to create a better layout								
Small Equipment Replacement	S&E	\$15,000						\$15,000
Funding for small equipment replacement as necessary. Typical equipment includes chain saws, weed wackers and other power tools.								

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding							Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	Other	
Year: 2018									
3/4 Ton Pickup	S&E	\$40,000							\$40,000
Replacement of a 3/4 ton pickup truck used by the Service staff									
Leaf Vacuum (#0466)	S&E	\$60,000							\$60,000
Replacement of a 1995 leaf vacuum used heavily in leaf season									
Wide Area Mower & Trailer	S&E	\$60,000							\$60,000
Replacement of a 2003 Toro mower used on embankments and right of ways									
2 1/2 Ton Dump Truck w/ Plow & Spreader	S&E	\$168,000							\$168,000
Replacement of a 2007 dump truck including plow and salt spreading equipment.									
Firefighter Protective Equipment	FD	\$50,000							\$50,000
This purchase is to replace the turnout gear for 1/3 of the department. This equipment is on a four year replacement cycle.									
Fire Prevention Tablets	FD	\$3,000							\$3,000
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.									
Self Contained Breathing Apparatus	FD							\$250,000	\$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.									
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.									
Public Safety Hardware, Servers and Upgrades	A/IT	\$150,000							\$150,000
Hardware servers and software merger for VisionAir/TriTech systems									

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2018								
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.								
2018 Total - Equipment		\$1,145,000					\$250,000	\$1,395,000

Year: 2019								
Small Equipment Replacement	P&R	\$15,000						\$15,000
Annual replacement of small equipment in the P&R Department. Includes non-fleet equipment typically between \$500 and \$5,000.								
Turf Mower	P&R	\$19,000						\$19,000
Replacement of a z-turn mower. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October resulting in a useful life of about five years. One mower is replaced each year to keep a functioning fleet.								
Police Cruisers	PD	\$83,500						\$83,500
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.								
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.								
Small Equipment Replacement	S&E	\$15,000						\$15,000
Funding for small equipment replacement as necessary. Typical equipment includes chain saws, weed wackers and other power tools.								
Leaf Vacuum (#465)	S&E	\$60,000						\$60,000
Replacement of a 1989 leaf vacuum used heavily in leaf season								
Small Equipment Replacement	FD	\$5,000						\$5,000
Replace various small equipment								

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2019								
Medic Vehicle Replacement	FD	\$235,000						\$235,000
This is the replacement of a medic vehicle.								
SCBA Filling Station	FD	\$80,000						\$80,000
Replacement of the breathing air system air compressor and cascade bottles								
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.								
Municipal Building Furniture Replacement	A/IT	\$10,000						\$10,000
This item replaces the three tables and the four chairs in the audience area of the City Council Chambers (\$4,000), plus it replaces the audience chairs with chairs that can be stacked (\$6,000), thus making the room more functional for various types of meetings.								
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.								
2019 Total - Equipment		\$722,500						\$722,500

Year: 2020								
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.								
Turf Mower	P&R	\$19,000						\$19,000
Replacement of a z-turn mower. Most of the City's mowers are utilized at least 30 hours per week from mid-April until early October resulting in a useful life of about five years. One mower is replaced each year to keep a functioning fleet.								

2016-2020 Capital Improvement Program - Equipment

Equipment	Dept.	Funding						Total
		CIP Fund	Bonds	Assessment	MMVLT	License Tax	State	
Year: 2020								
Community Center Variable Speed Drives Replacement	P&R	\$16,000						\$16,000
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.								
Police Cruisers	PD	\$125,000						\$125,000
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.								
Mobile Data Terminals - Police	PD	\$21,000						\$21,000
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.								
In Car Video Equipment	PD	\$60,000						\$60,000
Anticipate the need to replace the video equipment in the police cars.								
Small Equipment Replacement	S&E	\$15,000						\$15,000
Funding for small equipment replacement as necessary. Typical equipment includes chain saws, weed wackers and other power tools.								
Small Equipment Replacement	FD	\$5,000						\$5,000
Replace various small equipment								
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.								
2020 Total - Equipment		\$361,000						\$361,000
TOTAL CIP EQUIPMENT		\$4,997,150					\$256,750	\$5,253,900

CIP Fund Cash Flow

Revenue	2016	2017	2018	2019	2020
Income Tax	\$4,813,787	\$4,885,993	\$4,983,713	\$5,083,387	\$5,185,055
Other Revenue	\$45,000	\$45,000	\$45,000	\$10,000	\$10,000
TOTAL REVENUE	\$4,858,787	\$4,930,993	\$5,028,713	\$5,093,387	\$5,195,055

Cat. Projects	2016	2017	2018	2019	2020
PPC Hardy Way Sanitary Sewer Relocation				\$100,000	
LM Northbrook Relief Sewer Phase II		bond			
LM Central District Sanitary Sewer Improvements		bond			
LM Kenyonbrook Trunk Sewer Improvement		bond	bond		
LM North Districts Sewer Study		\$175,000			
LM North Districts Sanitary Sewer Improvements			bond		
LM North Districts Sanitary Sewer Repairs & Lining				bond	
LM West & Industrial Districts Study					\$175,000
EBS Street & Sidewalk Improvement Program	\$725,000	\$725,000	\$725,000	\$725,000	\$725,000
EBS Arterial Improvements	\$98,600	license tax	license tax	\$48,000	license tax
EBS Building Improvement Program	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
EBS Community Center HVAC Improvements		bond			
EBS Traffic Signal Improvement Program	\$50,000		\$50,000		\$50,000
EBS Fire Station Roof Replacement	\$35,400	bond			
EBS Community Center Running Track Replacement	\$27,000				
EBS Municipal Building Roof Replacement	\$27,000	bond			
EBS Com Ctr Natatorium Sprinkler Head Replacement		\$66,000			
EBS Fire Apparatus Bay Exhaust & Heating System		\$126,000			
EBS Upper Rush Run Stream Restoration		\$25,000		\$250,000	
EBS Old Worthington Street Light & Mast Arm Rehabilitation			\$250,000		
EBS Community Center South End Roof Replacement			\$80,000	bond	
EBS Community Center Window Replacement			\$25,000		\$26,000
EBS Community Center Fitness Floor Painting			\$14,000		
EBS Community Center Parking Lot Reconstruction			\$325,000		
EBS Fuel Dispensing System & Tank Farm Replacement				\$350,000	
EBS Community Center Locker Room Painting				\$9,500	
EBS Community Center South End Door Replacement				\$70,000	
EBS Oxford Court/Southwest Addition Sanitary Improvement					\$300,000
IBS Urban Forestry Restoration	\$7,500	\$7,500	\$7,500	\$7,500	\$7,500
IBS Security System Improvements	\$60,000		\$50,000		\$50,000
IBS Huntley/Wilson Bridge/Worthington Galena Intersection		bond	bond		
IBS Perry Park Field Improvements	\$14,516	\$80,000			
IBS McCord & Heischman Parks Playground Replacement	\$300,000				
IBS Tennis Court & Basketball Court Resurfacing	\$137,500				
IBS Com Ctr North Locker Room Shower Stall Alterations	\$16,500				
IBS SR-161 Study from SR-315 to Sawmill Road	\$150,000				
IBS Perry Park Path Improvement		\$150,000			
IBS Community Center Water Slide Refurbishing		\$9,500			
IBS Community Center Pool Underwater Lighting Replacement		\$7,750			
IBS CBD Paver Renovation		\$50,000	\$50,000	\$50,000	
IBS CBD Holiday Decoration Replacement			\$45,000		
IBS East Granville Road Park Playground Replacement					\$175,000
E Community Wayfinding Signage	\$50,000	\$50,000	\$50,000	\$50,000	
E Wilson Bridge Corridor Enhancements		bond			
E Bike & Pedestrian Improvements	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000
E Community Center Game Room Conversion		CC revolving			
E Huntley Road Multi-Use Trail				other	
AP Alrojo/Samada Sanitary Sewers		\$63,750		assessment	
NFR Morning/Crandall Storm Sewer Improvement				\$85,000	
TOTAL PROJECTS	\$1,849,016	\$1,685,500	\$1,821,500	\$1,895,000	\$1,658,500

Equipment	2016	2017	2018	2019	2020
<u>PARKS & RECREATION</u>					
Small Equipment	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Community Center Pools Filtration Pump & Motor	\$26,000				
3/4 Ton Pickup with Plow (#0249 & P)	\$42,000				
Turf Mower (#0251)	\$19,000				
Community Center Fitness Equipment	\$90,000	\$90,000	\$90,000		
Parks Minivan (#0215)	\$23,000				
Tractor with Loader (#0254)	\$30,000				
Cushman Cart	\$14,000				
Portable Stage Replacement	\$8,900				
Community Center Washer & Dryer Replacement	\$7,500				
Griswold Town Hall Sound System Replacement	\$5,000				
Griswold Tuller Lounge Furniture & Drapery Replacement	\$11,000				
Irrigation System Software & Hardware	\$10,000				
Leisure Pool Play Structure		\$95,000			
Griswold Copier Replacement		\$11,000			
Griswold Fitness Equipment		\$17,000			
Pool Filter Sand		\$8,500			
Turf Mower with Trailer (#0253)		\$19,000			
3/4 Ton Pickup Truck (#0250)			\$40,000		
3/4 Ton Pickup Truck (#0240)			\$40,000		
Community Center Copier Replacement			\$24,000		
Turf Mower			\$19,000		
Turf Mower				\$19,000	
Turf Mower					\$19,000
Community Center Variable Speed Drives Replacement					\$16,000
<u>POLICE</u>					
Police Cruiser Replacement	\$83,500	\$125,000	\$125,000	\$83,500	\$125,000
Mobile Data Terminals - Police	\$15,000	\$21,000	\$21,000	\$15,000	\$21,000
Tasers	\$5,000				
Police Officer Ballistic Vests	\$6,750				
Police Initial Issue Equipment	\$19,500				
Printer/Copier	\$13,000				
Staff Car (#0333)		\$24,000			
Furniture - Communications Center			\$40,000		
In Car Video Equipment					\$60,000
<u>SERVICE & ENGINEERING</u>					
Small Equipment Replacement	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
2 1/2 Ton Dump Truck w/ Plow & Spreader (#0444 P/S)	\$165,000				
Suburban Replacement (#0411)	\$31,000				
Medium Duty Plow & Dump Truck (#0438)	\$160,000				
Ford Escape (#417)	\$31,000				
Vapor Root Machine (#0443)	\$42,000				
Low-Boy Trailer	\$8,000				
GIS Database Server, GIS Web Server	\$29,000				
Sign Making Large Format Laser Printer		\$30,000			
Service & Engineering Management & Operation System		\$50,000			
1/2 Ton Pickup Truck (#0430)		\$31,000			
Leaf Vacuum (#0467)		\$60,000			
Bucket Truck (#0436)		\$165,000			
2 1/2 Ton Dump Truck w/ Plow & Spreader (#0437)		\$165,000			
Pickup Truck (#0412)		\$31,000			
Street Sweeper (#0460)		\$250,000			
Engineering Vehicle		\$21,000			
3/4 Ton Pickup Truck			\$40,000		
Leaf Vacuum (#0466)			\$60,000		
Wide Area Mower & Trailer			\$60,000		
2 1/2 Ton Dump Truck w/ Plow & Spreader			\$168,000		
Leaf Vacuum (#0465)				\$60,000	

Equipment	2016	2017	2018	2019	2020
FIRE					
Firefighter Protective Equipment	\$50,000	\$50,000	\$50,000		
Medic Vehicle Replacement (#514)	\$235,000				
Mobile Radios	\$14,000				
Auto Extrication Equipment	\$20,000				
Medical Decontamination System	\$19,000				
Small Equipment Replacement		\$15,000		\$5,000	\$5,000
Fire Prevention Tablets			\$3,000		
Self Contained Breathing Apparatus			grant		
Medic Vehicle Replacement				\$235,000	
SCBA Filling Station				\$80,000	
ADMINISTRATION/IT					
Computer Replacement Program	\$85,000	\$85,000	\$85,000	\$85,000	\$85,000
Finance Server	\$12,000				
Municipal Building Furniture Replacement		\$15,000		\$10,000	
Public Safety Hardware, Servers & Upgrades			\$150,000		
Radios			\$100,000	\$100,000	
TOTAL EQUIPMENT	\$1,360,150	\$1,408,500	\$1,145,000	\$722,500	\$361,000

TOTAL PROJECTS	\$1,849,016	\$1,685,500	\$1,821,500	\$1,895,000	\$1,658,500
TOTAL EQUIPMENT	\$1,360,150	\$1,408,500	\$1,145,000	\$722,500	\$361,000
Debt Payments	\$1,191,017	\$1,401,850	\$1,630,387	\$1,749,563	\$1,734,946
CIP Administration	\$431,563	\$440,194	\$448,998	\$457,978	\$467,138
TOTAL CIP EXPENDITURES	\$4,831,746	\$4,936,044	\$5,045,885	\$4,825,041	\$4,221,584
REVENUE MINUS EXPENDITURES	\$27,041	-\$5,051	-\$17,172	\$268,346	\$973,471
BALANCE	\$4,177,641	\$4,172,590	\$4,155,418	\$4,423,764	\$5,397,235

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