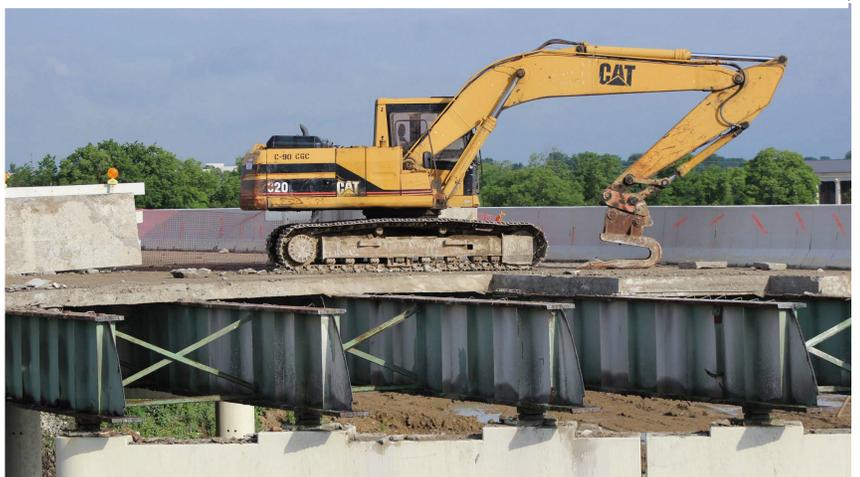
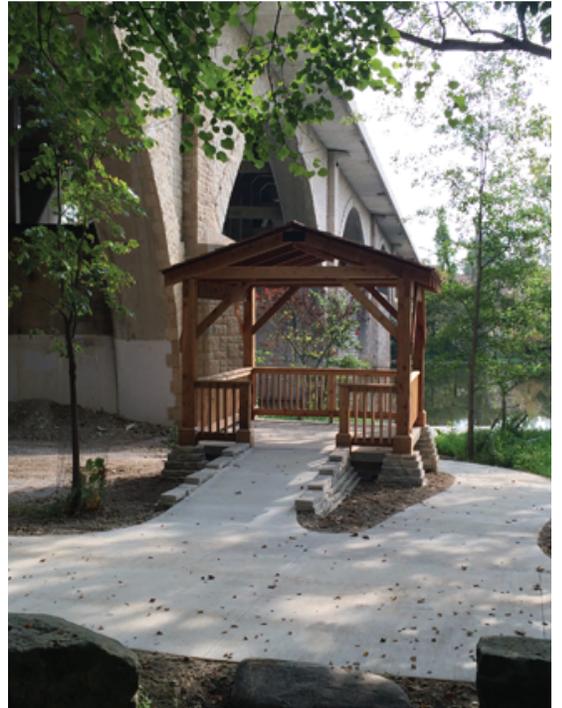


# 2016 - 2020 Capital Improvements Program



Adopted by  
Ordinance No. 54-15



**(1) Capital  
Budget Process**

**2016 - 2020**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**ANNUAL BUDGET PROCESS**

The City of Dublin has implemented an annual schedule for the preparation and adoption of the Five-Year Capital Improvements Program (CIP) and the Annual Operating Budget, which includes the annual CIP budget.

The following timeframes are key elements in the annual budget calendar:

<b>First quarter</b>	City Council goal setting session(s)
<b>End of Second Quarter</b>	Adoption of goals by City Council
<b>End of June</b>	Completion of the Administration's recommended Five-Year CIP
<b>July/August</b>	City Council review of recommended CIP
<b>End of October</b>	Completion of the Administration's recommended Operating Budget
<b>November</b>	City Council review of recommended Operating Budget
<b>By December 31</b>	Adoption of Operating Budget and Appropriations Ordinances by City Council

The Five-Year CIP and the Operating Budget are two critical documents prepared annually. The relationship between these two documents is summarized by the following points:

**Five-Year CIP**

- Represents a long-term financial plan, including funding sources.
- Establishes priorities and serves as a planning document or blueprint for the City's investment in capital infrastructure.
- Provides a breakdown of major project costs and phasing.
- Does not appropriate money. The Operating Budget is the document which authorizes the actual funding authority for the major and non-major capital projects.

**Operating Budget - Annual CIP Budget**

- Appropriates money to implement the first year of the Five-Year CIP.
- Appropriates money to implement a "phase of a major, multi-year project."
- Appropriates money for non-major capital expenditures, including those of a continuing nature (i.e. fleet and equipment management, computers).

## **(2) Financial Guidelines**

**2016 - 2020**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**FINANCIAL GUIDELINES**

The Five-Year Capital Improvements Program (CIP) establishes the City's blueprint for investment in its capital infrastructure. This document is used as a tool to help ensure the City's long and short-term capital investments are made in the context of careful consideration of the City's needs as well as the resources available to fund all projects.

The financial guidelines used in the preparation of the CIP will provide assurance the City can meet, in a full and timely manner, both our debt service obligations and all other obligations competing for the available resources. It is our objective to complete as many needed capital improvement projects as financially possible while maintaining flexibility and the ability to adapt to changes as they occur.

There are several key guidelines that the Administration utilized in determining the City's fiscal capacity to complete capital projects over the next five years. These are summarized as follows:

- The five-year plan will be updated annually.
- 25 percent of the City's two percent income tax revenue shall be made available to fund capital improvements. This allocation is in accordance with Ordinance No. 17-87 and the ballot language approved by the voters in November 1987.
- Of the 25 percent of the total income tax revenues which are utilized for capital improvements, 60 percent of that amount will be allocated to fund long-term debt, and 40 percent to fund projects and capital expenses on a cash basis. The reasons for this guideline are:
  - a) It is important to stress that funding projects with long-term debt obligates the use of public funds for the next 20 years in most cases. The more long-term debt which is incurred now significantly reduces the options available to future City Councils to fund needed projects.
  - b) The City has determined that paying cash for projects where financially possible (pay-as-you-go financing) will increase our flexibility in the future. In utilizing pay-as-you-go financing, revenue projections and estimated fund balances will be reviewed and evaluated to assure that sufficient reserves are maintained.
  - c) It is not economical to issue debt for some projects.
  - d) The estimated life of some projects does not meet the criteria to issue long-term debt.

- Our philosophy for projecting income tax revenues is to be conservative. The City's largest revenue source for operations is income tax revenue. This source comprises over 90% of the City's General Fund operating revenues. Therefore, it is one of the City's key economic indicators that is reviewed when determining the level of growth for the upcoming year. The 2015 Operating Budget projected \$81,650,000 in revenue from local income tax. The estimate was based on an assumption of a 5.7% decrease over the 2014 revised revenue estimate determined when the 2015 Operating Budget was approved in December 2014. However, the actual income tax revenue for 2014 exceeded the revised estimate by 1.7%. The main driver behind the decrease in projected income tax revenue for 2015 was the loss of revenue from Verizon moving jobs from Dublin.

Through the second quarter of 2015, income tax revenues declined 2.92% or \$1,382,026. This reduction was driven by an 18.7% decrease in net profits, or approximately \$1,620,000. On a positive note, withholding, which is the City's largest source of income tax revenue remained relatively stable despite the loss of one of the City's largest employers.

In addition to funding projects on a cash basis over the next five years, the purpose of these projections is to determine the amount of long-term debt that can be retired using income tax revenues. To incur substantial long-term debt based upon a less than conservative rate of growth could result in a serious financial strain on the City if those growth projections are not achieved. Issuing long-term debt, in most cases, will result in debt service payments over a 20 year period. Issuing long-term debt based on less than conservative growth estimates would not be a financially sound approach.

Looking towards 2016, staff can draw more informed conclusions as to the projected income tax revenues for the year based on collections through the first half of this year. As previously mentioned, the 2015 projection took into account the reduction in revenue from Verizon. Actual revenue reductions have not been as high as anticipated. While remaining conservative, we have revised our 2015 income tax revenues upward by 2% to reflect anticipated revenues of \$83,285,000. Nonetheless, this amount still represents a 5.4% decrease over 2014 actual collections. Similar for 2016, we must take into account a reduction in income tax revenue as a result of the loss of Nationwide, which is expecting to begin moving their employees from Dublin to Grandview Heights/Columbus during the second half of 2016. However, we are balancing this loss out with the growth we have seen in our other employers. As a result, we are currently projecting the 2016 income tax revenues to be even with the current 2015 estimate - \$83,285,000.

- To the degree that the income tax revenue rate of growth exceeds our projections in any given year, the excess revenue should be utilized to fund projects on a cash basis the following year or to reduce the amount of debt on projects identified to be financed with debt proceeds.
- The availability of adequate financial reserves or balances that can be used to address unforeseen contingencies or take advantage of opportunities is a critical element in evaluating financial strength. Another key financial indicator for the City is its' General Fund balance. The City's policy is to maintain a year-end balance equal to or greater than 50% of the General Fund expenditures, including operating transfers. Due to an advance of \$22.6 million from the General Fund to the Capital Construction Fund during

the second quarter of 2015 for the Riverside Drive realignment, Riverside Drive/SR 161 Roundabout, and Riverside Drive park project, the fund balance declined to 60.8% of our estimated General Fund expenditures. However, this advance will be repaid within the next few months of 2015 with bond proceeds. Had the advance not been necessary, the fund balance would have been 95% of the anticipated 2015 General Fund expenditures.

This level of fund balance is necessary as we continue funding major improvements throughout the City. We will continue to make significant advances from the General Fund to various TIF funds for infrastructure improvements throughout the City. This allows the City to take advantage of opportunities as they arise and fund infrastructure improvements before TIF revenues are generated. The expectation is that these advances will be repaid to the General Fund over the 30-year life of each TIF.

- Since a significant portion of the debt outstanding and future capital improvements are utility (water and sewer) related, the systems' user fees and capacity charges (tap permits) will continue to be evaluated. Water related improvements will be programmed based on the Water Fund's available cash reserves and estimated annual revenues. The repayment of the Ohio Water Development Authority loan for the Upper Scioto West Branch Interceptor will be retired utilizing the Sewer Fund's available cash reserves and estimated annual revenues. Every effort will be made to structure the debt service obligations for utility infrastructure improvements in such a manner as to utilize the Sewer Fund and Water Fund available cash reserves and estimated annual revenues to the fullest and thereby reducing or eliminating the dependency on income tax revenues. The goal in the Water and Sewer funds has been to maintain fund balances equal to approximately 25% of the total historical value of each system. The 2014 combined Water and Sewer Fund balances, including advances, equal a little more than 16.5% of the total historical value of both systems.
- In 2015, approximately 80% of the property tax revenue from the City's "inside millage" will be allocated to the Capital Improvements Tax Fund.

The property tax revenue from the City's "inside millage" (1.75 mills) was allocated 100% to the Parkland Acquisition Fund from 2001-2006. From 2007-2009, the City began allocating .95 mills of the total 1.75 mills to the Parkland Acquisition Fund with the remaining .80 mills allocated to the Capital Improvements Tax Fund. As part of the 2010-2014 CIP process, Council approved allocating 1.40 mills to the Capital Improvements Tax Fund and .35 mills to the Parkland Acquisition Fund. Recognizing the benefits and flexibility of allocating more of the City's "inside millage" to the Capital Improvements Tax Fund, Council has continued to approve, with each year's CIP, the same allocation. This allocation is reviewed during the CIP process each year and can be reallocated if City Council deems it appropriate.

- The maximum amount of income tax supported debt to be issued is 10 percent less than the estimated maximum amount of debt that can be supported by the income tax revenue allocated as available for annual debt service obligations. This guideline provides an additional buffer in the event that income tax revenues fall short of projections or that an unexpected increase in interest rates occurs.

- As a matter of general policy, the City will do the following in order to be able to fund additional projects needed to serve the citizens of Dublin:
  - a) Pursue federal, state and local assistance in the form of grants, low interest loans, cost-sharing, etc.
  - b) Utilize assessment procedures for projects which have a reasonably well defined group of beneficiaries and which legally lend themselves to this type of financing.
  - c) Look increasingly at ways to obtain revenue through user fees as a means to fund capital projects or as a way to free-up other income tax dollars so that they can be used to fund capital projects.
  - d) Utilize, where appropriate, economic development incentives such as tax increment financing.
- As projects are proposed for funding, the statutory debt limitations will be reviewed to ensure compliance.

The five-year program provides for significant capital programming. The programming of projects needs to be distributed over the five-year period so that as we update our capital program each year, we can evaluate current conditions, including the capital needs, revenue growth, and respond to new priorities.

**(3) Revenue Projections**

**2016 - 2020**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**REVENUE PROJECTIONS**

The most significant funding source for the Five-Year Capital Improvements Program (CIP) is the City's income tax revenue. Projecting income tax revenues for the five year period is a significant element in determining resources available for capital programming. The Financial Guidelines in Section 2 outline the financial guidelines used in determining our fiscal capacity to complete capital projects.

In addition to the income tax revenues, the projects associated with the water and sewer systems will be funded in whole or in part by revenues from those systems (i.e. user charges and tap permit fees).

The following pages provide projections for income tax revenues and projections for the water and sewer system operations. The assumptions used for the projected water and sewer system operations are included. Section 4 reflects the debt financed projects that are also supported by service payments from tax increment financing districts and property tax revenue from "inside millage."

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
INCOME TAX REVENUE**

	2014	2015	2016	2017	2018	2019	2020
Income Tax Revenue*	\$88,068,530	\$83,285,000	\$83,285,000	\$82,200,000	\$83,433,000	\$84,684,495	\$85,954,762
Revenue for capital projects (25% of income tax revenue)	22,017,133	20,821,250	20,821,250	20,550,000	20,858,250	21,171,124	21,488,691
<sup>1</sup> Revenue available for cash capital projects	8,806,853	8,328,500	8,328,500	8,220,000	8,343,300	8,468,450	8,595,476
<sup>2</sup> Revenue available for debt financed projects	13,210,280	12,492,750	12,492,750	12,330,000	12,514,950	12,702,674	12,893,214
<sup>3</sup> Recommended maximum amount of outstanding debt	\$ 113,414,918	\$ 101,928,472	\$ 75,886,156	\$ 41,546,035	\$ 40,021,099	\$ 50,503,073	60,765,139

\* Income tax revenue for 2014 reflects actual collections.

The remaining years reflect an estimated increase/decrease over the previous year as follows:

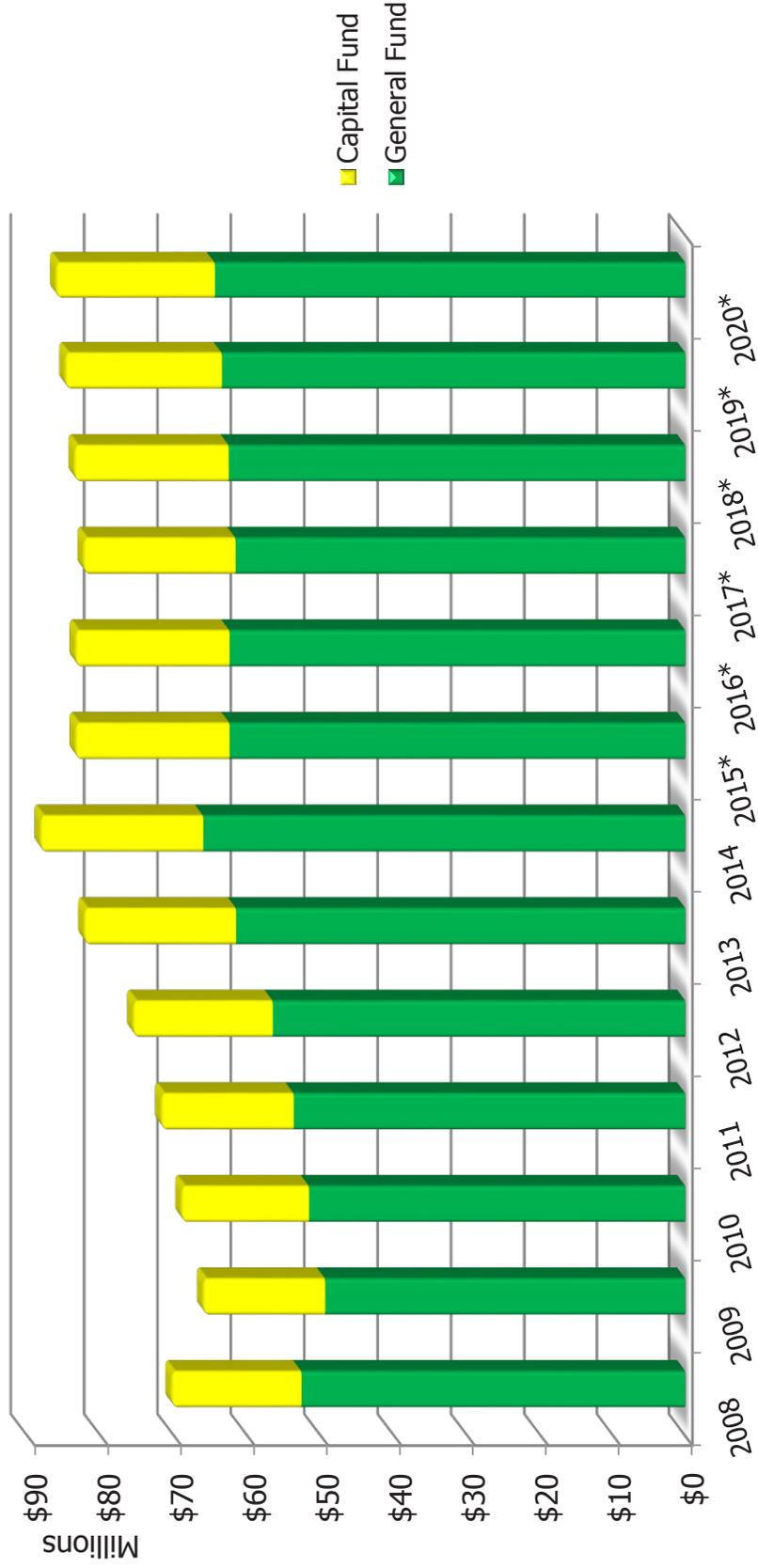
2015 - Based on a <5.4%> decrease over 2014 actual collections; Original estimate reflected a <7.3%> decrease over 2014 actual collections  
 2016 - 0.0%  
 2017 - <1.3%>  
 2018 - 1.5%  
 2019 - 1.5%  
 2020 - 1.5%

<sup>1</sup> 40% of the 25% designated for capital improvements is further designated for cash capital projects.

<sup>2</sup> 60% of the 25% designated for capital improvements is further designated to retire debt issued for capital projects.

<sup>3</sup> Amount is based on existing income tax supported debt and projections for additional debt that can be supported by income tax allocated for debt service.

2016 – 2020  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 INCOME TAX REVENUE



\*Denotes estimated revenue



2016 - 2020  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 SEWER FUND  
 STATEMENT OF PROJECTED REVENUE, EXPENSES, AND FUND BALANCE

	2015	2016	2017	2018	2019	2020
<b>Revenues:</b>						
User charges	\$ 1,797,068	\$ 1,894,860	\$ 1,959,161	\$ 1,982,624	\$ 1,999,830	\$ 2,017,036
Tap fees	243,100	331,500	402,220	380,120	335,920	351,390
Interest	43,000	46,726	37,020	25,828	25,674	31,413
Other	-	-	-	-	-	-
Bond Proceeds/Other Proceeds	-	-	-	-	-	-
Income tax subsidy	-	-	-	-	-	-
	<u>2,083,168</u>	<u>2,273,086</u>	<u>2,398,400</u>	<u>2,388,572</u>	<u>2,361,424</u>	<u>2,399,839</u>
<b>Expenses:</b>						
Salaries/wages	608,175	632,502	657,802	684,114	711,479	739,938
Benefits/uniforms	255,315	265,528	276,149	287,195	298,682	310,630
Utilities	-	-	-	-	-	-
Contract services	2,600	50,000	50,000	50,000	50,000	50,000
Repairs/maintenance	398,050	150,000	150,000	150,000	150,000	150,000
Other	-	15,000	15,000	15,000	15,000	15,000
	<u>1,264,140</u>	<u>1,113,030</u>	<u>1,148,951</u>	<u>1,186,309</u>	<u>1,225,161</u>	<u>1,265,568</u>
Capital expenditures (cash funded only)	426,000	435,000	650,000	225,000	225,000	250,000
<b>Debt service:</b>						
USWBI	1,350,721	1,350,721	1,350,721	675,560	-	-
2009 issue	150,825	149,325	152,825	150,200	148,625	150,738
2012 issue	168,100	171,050	168,425	170,750	168,550	170,725
2015 issue	50,000	185,000	185,000	185,000	185,000	185,000
2016 issue	-	39,590	39,590	39,590	39,590	39,590
2017 issue	-	-	58,800	58,800	58,800	58,800
2018 issue	-	-	-	214,000	214,000	214,000
2019 issue	-	-	-	-	80,000	80,000
2020 issue	-	-	-	-	-	234,800
	<u>1,719,646</u>	<u>1,895,686</u>	<u>1,955,361</u>	<u>1,493,900</u>	<u>894,565</u>	<u>1,133,653</u>
Net cash (required) provided	(1,326,619)	(1,170,630)	(1,355,912)	(516,638)	16,697	(249,382)
Advances-out	-	-	-	-	-	-
Advances-in	-	-	-	-	-	-
Transfers-out	-	-	-	-	-	-
Transfers-in	200,000	200,000	200,000	400,000	400,000	400,000
Transfers-in (GF - extensions)	-	-	36,800	101,200	157,200	392,000
Beginning balance	<u>5,799,203</u>	<u>4,672,584</u>	<u>3,701,954</u>	<u>2,582,841</u>	<u>2,567,403</u>	<u>3,141,300</u>
Ending balance	<u>\$ 4,672,584</u>	<u>\$ 3,701,954</u>	<u>\$ 2,582,841</u>	<u>\$ 2,567,403</u>	<u>\$ 3,141,300</u>	<u>\$ 3,683,917</u>

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
SEWER FUND ASSUMPTIONS**

**Projected User Charges and Capacity Charges (Tap Fees)**

Assumptions:

- Revenues based on estimated ERUs and fees as authorized by Ordinance 95-13.
- Staff anticipates proposing an increase in user fees effective January 1, 2016 and January 1, 2017.

2016 – Increase sewer surcharge by \$0.25 per MCF; reallocate \$0.25 from water to sewer (Net increase \$0.50 per MCF)

2017 – Increase sewer surcharge by \$0.25 per MCF.

- Capacity charges for all tap sizes were increased 5% effective January 1, 2013 as authorized by Ordinance 64-12.
- The average number of ERUs projected for 2015 reflects a growth of 110 over 2014. This is based on the number of residential building permits issued in 2014 for new units.
- The average number of ERUs projected for 2016 – 2020 is the total of the estimated previous year's average number of ERUs at the beginning of the year and the previous year's estimated ERU growth.
- The estimated ERU growth for 2016 – 2020 is 100 ERUs per year.
- Project that at 12/31/2020, fund balances will be 5.9% of total system value.

**Statement of Projected Revenue, Expenses and Changes in Sewer Fund Cash Balance**

Assumptions:

- Revenues for user charges and tap fees are based on the schedule of Projected User Charges and Capacity Charges.
- Interest income is based on the previous year's ending fund balance and an interest rate of 1.0 percent during the five year period.
- Debt service obligations for the USWBI (Upper Scioto West Branch Interceptor) assume the debt will be retired 100% from Sewer Fund resources. The debt will retire in 2018.
- The 2009 debt service obligation provides funding to retire the debt on the \$2,220,000 in long-term debt for relining sanitary sewer lines and other sanitary sewer improvements.

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
SEWER FUND ASSUMPTIONS**

**Statement of Projected Revenue, Expenses and Changes in Sewer Fund Cash Balance  
(Continued)**

- Debt programmed is for the investment in sewer infrastructure.
- The 2016 – 2020 CIP includes funding for the extension of sanitary sewer lines to unserved areas throughout the City based on a 15-year implementation schedule. Funding for the extensions will come from tap fees generated by new users to the system, an annual transfer from the Capital Improvement Tax Fund, and an annual transfer from the General Fund, if necessary.
- The 2015 debt service issue is based on the current plan to issue \$2.5 million in long-term debt for relining sanitary sewer lines and other sanitary sewer improvements.
- The 2016 debt service issue is based on the current plan to issue \$535,000 in long-term debt for sanitary sewer improvements to Deer Run.
- The 2017 debt service issue is based on the current plan to issue \$735,000 in long-term debt for sanitary sewer improvements and extensions to unserved areas.
- The 2018 debt service issue is based on the current plan to issue \$2.675 million in long-term debt for relining sanitary sewer lines, sanitary sewer capacity improvements to the North Fork sewer system, and extensions to unserved areas.
- The 2019 debt service issue is based on the current plan to issue \$1,000,000 in long-term debt for sanitary sewer improvements and extensions to unserved areas.
- The 2020 debt service issue is based on the current plan to issue \$2,935,000 in long-term debt for sanitary sewer extensions to unserved areas.

While the Statement of Projected Revenue, Expenses and Changes in Sewer Fund Cash Balance shows debt being issued each year from 2016 – 2020, Staff will evaluate the timing of debt issuances and to the extent possible, incorporate multiple projects in with a single debt issuance In order to minimize issuance costs.

The Statement of Projected Revenue, Expenses and Changes in Sewer Fund Cash Balance were prepared through the year 2020. Using the above assumptions, sufficient revenue to maintain a “positive” cash balance will be available through the year 2020, although the projected balance will not meet the goal of 25% of the historical value of the system assets. The 2014 combined Water and Sewer Fund balances, including advances, totaled 15.3% of the total historical value of both systems. The rate of growth, the user fees and capacity charges will continue to be evaluated to determine the need to adjust rates in the future.

2016 - 2020  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 WATER FUND  
 STATEMENT OF PROJECTED REVENUE, EXPENSE, AND FUND BALANCE

	2015	2016	2017	2018	2019	2020
<b>Revenues:</b>						
User charges	\$ 430,000	\$ 621,614	\$ 627,653	\$ 633,692	\$ 638,121	\$ 642,550
Tap fees	250,000	343,980	323,190	255,150	258,930	355,320
Interest	90,920	184,025	178,087	171,813	167,269	169,480
Fire hydrant permits	2,600	1,000	1,000	1,000	1,000	1,000
	<u>773,520</u>	<u>1,150,619</u>	<u>1,129,930</u>	<u>1,061,655</u>	<u>1,065,320</u>	<u>1,168,350</u>
<b>Expenses:</b>						
Salaries/wages	122,785	127,696	132,804	138,116	143,641	149,387
Benefits/uniforms	45,900	47,736	49,645	51,631	53,697	55,844
Utilities	155,000	161,200	167,648	174,354	181,328	188,581
Contract services	207,550	50,000	50,000	50,000	50,000	50,000
Hydrant maintenance	51,600	53,664	55,811	58,043	60,365	62,779
Other	-	15,000	15,000	15,000	15,000	15,000
	<u>582,835</u>	<u>455,296</u>	<u>470,908</u>	<u>487,145</u>	<u>504,030</u>	<u>521,592</u>
Capital expenditures	561,000	995,000	980,000	1,280,000	820,000	1,155,000
<b>Debt service:</b>						
2009 issue	136,113	139,763	138,338	140,963	134,463	136,850
2012 issue	158,313	156,413	158,963	156,463	159,413	156,788
	<u>294,426</u>	<u>296,176</u>	<u>297,301</u>	<u>297,426</u>	<u>293,876</u>	<u>293,638</u>
Net cash (required) provided	(664,742)	(595,853)	(618,279)	(1,002,915)	(552,586)	(801,880)
Advances-out	-	-	-	-	-	-
Advances-in	-	-	-	500,000	500,000	400,000
Transfers-out	-	-	-	-	-	-
Transfers-in	217,833	200,000	200,000	200,000	200,000	200,000
Beginning balance	<u>12,715,222</u>	<u>12,268,314</u>	<u>11,872,461</u>	<u>11,454,182</u>	<u>11,151,267</u>	<u>11,298,681</u>
Ending balance	<u>\$ 12,268,314</u>	<u>\$ 11,872,461</u>	<u>\$ 11,454,182</u>	<u>\$ 11,151,267</u>	<u>\$ 11,298,681</u>	<u>\$ 11,096,801</u>

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
WATER FUND ASSUMPTIONS**

**Projected User Charges and Capacity Charges (Tap Fees)**

Assumptions:

- Revenues based on estimated ERUs and fees as authorized by Ordinance 95-13.
- Staff anticipates proposing a reallocation of \$0.25 per MCF in user charges from water to sewer effective January 1, 2016.
- Capacity charges for all tap sizes were increased 5% effective January 1, 2013 as authorized by Ordinance 64-12.
- The average number of ERUs projected for 2015 reflects a growth of 110 over 2014. This is based on the number of residential building permits issued in 2014 for new units.
- The average number of ERUs projected for 2016 – 2020 is the total of the estimated previous year's average number of ERUs at the beginning of the year and the previous year's estimated ERU growth.
- The estimated ERU growth for 2016 – 2020 is 100 ERUs per year.
- Project that at 12/31/2020, fund balances will be 18.8% of total system value.

**Statement of Projected Revenue, Expenses and Changes in Water Fund Cash Balance**

Assumptions:

- Revenues for user charges and tap fees based on schedule of Projected User Fees and Projected Capacity Charges.
- Salaries/Wages and Benefits/Uniforms are included for the water hydrant program.
- The 2009 debt service obligation provides funding to retire the debt on the \$2,015,000 in long-term debt issued for the Darree Fields water tower.
- The 2012 debt service obligation provides funding to retire the debt on the \$2,360,000 in long-term debt issued for the Dublin Road water tower.
- Funding has been programmed during the five year period to paint existing water towers, replace pumps at the City's booster stations, and to install a 16-inch waterline from Avery Road to the relocated Rings Road.

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
WATER FUND ASSUMPTIONS**

**Statement of Projected Revenue, Expenses and Changes in Water Fund Cash Balance  
(Continued)**

- Funding has been programmed to replace water lines each year from 2016 – 2020. A comprehensive list of areas to review for water line replacement will be prepared and an analysis of the lines completed to determine the future replacement programming needs.
- The 2016 – 2020 CIP includes funding for the extension of waterlines to unserved areas throughout the City based on a 15-year implementation schedule. Funding for the extensions will come from tap fees generated by new users to the system, an annual transfer from the Capital Improvement Tax Fund, and an annual transfer from the General Fund, if necessary.

The Statement of Projected Revenue, Expenses and Changes in Water Fund Cash Balance were prepared through the year 2024. Using the above assumptions, sufficient revenue will be available, as well as maintaining a considerable reserve, throughout the life of existing and proposed debt obligations. While the projected balance and outstanding advances will not meet the goal of 25% of the historical value of the system assets, they are anticipated to be approximately 20%. The rate of growth and the user fees and capacity charges will continue to be evaluated annually.



**2016 - 2020**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**MUNICIPAL DEBT**

This section provides information on the long-term debt obligations outstanding at December 31, 2014, the projected long-term income tax supported debt, a calculation of the long-term debt capacity and a recap of the annual debt service obligations.

The Projected Long-Term Debt Schedule reflects that the estimated principal outstanding at the end of each year is within the recommended maximum amount. The Debt Service Payments Due (Income Tax supported debt) schedule reflects that the total actual and estimated debt service obligations each year are within the actual and projected income tax revenue available for debt retirement. The difference between the two, or the "surplus", will be used to "buy down" other capital project costs and issue less debt or be used to fund other capital projects. A schedule of debt service payments that are supported by sources other than income tax revenues is also included.

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
LONG-TERM DEBT OBLIGATIONS  
As of December 31, 2014**

	Date of Issue	Date of Maturity	Original Amount	O/S Principal	Paid From Income Taxes		Other Sources <sup>1</sup>
					General Fund	Capital Improvement Tax Fund	
Unvoted G.O. Bonds							
Upper Scioto West Branch <sup>2</sup>	01/01/99	07/01/18	19,716,717	4,346,066	-	-	4,346,066
Avery-Muirfield Interchange	09/01/99	12/01/19	8,316,788	2,725,000	-	2,725,000	-
Rings Road Improvements (TIF)	12/01/00	12/01/20	3,535,000	1,454,512	-	-	1,454,512
Arts Facility Acquisition	12/01/00	12/01/20	1,360,000	553,595	-	-	553,595
Arts Facility Renovation	12/01/00	12/01/20	755,000	309,149	-	-	309,149
Perimeter Drive Extension (TIF)	12/01/00	12/01/20	3,940,000	1,624,293	-	-	1,624,293
Emerald Parkway - Phase 7A (TIF)	12/01/00	12/01/20	2,020,000	828,452	-	-	828,452
Service Complex	12/01/01	12/01/21	3,675,000	1,603,442	-	1,603,442	-
Municipal Pool South (OMB)	07/01/04	01/01/25	2,986,000	1,826,000	-	1,826,000	-
Industrial Pkwy/SR 161 Improvements	11/18/09	12/01/29	9,670,000	7,755,000	-	-	7,755,000
Darree Fields Water Tower	11/18/09	12/01/29	2,015,000	1,615,000	-	-	1,615,000
Sanitary Sewer Lining	11/18/09	12/01/29	2,220,000	1,775,000	-	-	1,775,000
LED Street Lights	10/02/12	12/01/22	2,185,000	1,890,000	-	1,890,000	-
Dublin Road Water Tower	10/02/12	12/01/32	2,360,000	2,175,000	-	-	2,175,000
Sanitary Sewer Lining	10/02/12	12/01/32	2,540,000	2,340,000	-	-	2,340,000
Emerald Parkway - Phase 8 (TIF)	12/19/13	12/01/33	5,420,000	5,415,000	-	-	5,415,000
Bridge Street - Land Acquisition (TIF)	12/19/13	12/01/33	4,435,000	4,430,000	-	-	4,430,000
Emerald Parkway - Phase 8 (TIF)	01/07/14	12/01/19	1,580,000	1,325,000	-	-	1,325,000
Bridge Street - Land Acquisition (TIF)	01/07/14	12/01/19	1,265,000	1,060,000	-	-	1,060,000
270/33 Interchange	01/07/14	12/01/23	9,000,000	8,165,000	-	-	8,165,000
<b>Total</b>			<b>88,994,505</b>	<b>53,215,509</b>	<b>-</b>	<b>8,044,442</b>	<b>45,171,067</b>
Unvoted Special Assessment Bonds							
2001 Special Assessment	12/01/01	12/01/21	1,700,000	746,558	-	-	746,558
<b>Total</b>			<b>1,700,000</b>	<b>746,558</b>	<b>-</b>	<b>-</b>	<b>746,558</b>
Voted G.O. Bonds							
Community Recreation Center-Exp.	10/15/98	12/01/18	3,998,000	936,000	-	936,000	-
Emerald Parkway Bridge	10/15/98	12/01/17	7,518,000	1,530,000	-	1,530,000	-
Emerald Parkway, Phase 2 (TIF)	10/15/98	12/01/16	7,874,000	989,000	-	-	989,000
Woerner Temple Road	12/01/00	12/01/20	5,555,000	2,022,452	-	-	2,022,452
Emerald Parkway Overpass-Phase 7	12/01/00	12/01/19	6,565,000	2,398,991	-	2,398,991	-
Coffman Park Expansion	12/01/00	12/01/20	3,135,000	1,228,557	-	-	1,228,557
<b>Total</b>			<b>34,645,000</b>	<b>9,105,000</b>	<b>-</b>	<b>4,864,991</b>	<b>4,240,009</b>
<b>Total Long-term Debt</b>			<b>\$ 125,339,505</b>	<b>\$ 63,067,067</b>	<b>\$ -</b>	<b>\$ 12,909,433</b>	<b>\$ 50,157,634</b>

<sup>1</sup> "Other Sources" include special assessment collections, real estate property taxes, water system revenues, service payments in lieu of taxes, and hotel/motel tax revenue.

<sup>2</sup> Principal reduced per Change Order Agreement with City of Columbus.

**2016 - 2020**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**PROJECTED LONG-TERM DEBT SCHEDULE**  
**(Income tax supported debt only)**

	2014	2015	2016	2017	2018	2019	2020
Principal outstanding at the beginning of the year	\$ 19,588,355	\$ 18,399,433	\$ 36,977,101	\$ 46,152,937	\$ 75,042,950	\$ 79,089,228	\$ 73,281,933
Principal retired <sup>1</sup>	2,453,922	2,522,332	3,624,164	4,319,987	5,468,722	5,807,295	4,752,942
Principal issued <sup>2</sup>	1,265,000	21,100,000	12,800,000	33,210,000	9,515,000	-	3,700,000
Principal outstanding at the end of the year	\$ 18,399,433	\$ 36,977,101	\$ 46,152,937	\$ 75,042,950	\$ 79,089,228	\$ 73,281,933	\$ 72,228,991
Recommended maximum amount of long-term debt <sup>3</sup>	\$ 131,814,351	\$ 138,905,573	\$ 122,039,093	\$ 116,588,984	\$ 119,110,327	\$ 123,785,006	\$ 132,994,130

<sup>1</sup> Based on long-term debt outstanding as of 12/31/14 and anticipated debt issuances.

<sup>2</sup> Issuance of debt based on major project listing and anticipated funding schedule.  
The following issuances are anticipated:

2015 -	\$10,000,000	Justice Center Renovation
2016 -	\$11,100,000	Riverside Drive/SR 161 Roundabout
2016 -	\$3,400,000	Service Center Renovations
2017 -	\$9,400,000	CML Roadway Network
2017 -	\$7,500,000	Riverside Drive Park
	\$6,500,000	CML Parking Garage
2018 -	\$19,210,000	Scioto River Pedestrian Bridge
2018 -	\$2,000,000	North Riverview Rehabilitation
	\$4,875,000	Sawmill Road 3rd Lane Additiona
	\$2,640,000	Eiterman Road Relocation
2020 -	\$3,700,000	US33/SR 161/Post Road Interchange*

\*The debt for the US33/SR161/Post Road Interchange will be funded by income tax revenues as well as property tax revenues. The amount reflected above is the income tax supported debt only.

<sup>3</sup> Reflects the amount outstanding and the recommended maximum amount of additional debt from page 5-4.

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
DEBT SERVICE PAYMENTS DUE  
(Income tax supported debt only)**

Debt Issue	2014	2015	2016	2017	2018	2019	2020
Community Recreation Center Expansion (2018)	\$ 279,753	\$ 280,583	\$ 278,172	\$ 268,092	\$ 191,012	\$ -	\$ -
Scioto (Emerald Parkway) Bridge Construction (2017)	557,770	560,160	554,040	533,520	-	-	-
Avery-Muirfield/US 33 interchange (2019)	575,050	574,750	574,250	575,775	577,000	575,700	-
Emerald Pkwy-Perimeter/Shier Rings (2019)	566,106	543,886	533,675	534,355	537,275	541,057	-
Service Complex expansion (2021)	278,219	276,257	276,530	276,598	275,233	274,107	277,758
Swimming Pool Construction (2025)	220,888	220,342	218,459	217,241	216,636	215,610	214,085
LED street lighting	265,600	266,250	261,850	261,775	266,550	261,850	265,825
BSD Land Acquisition for Roundabout (2019/2033)	371,581	395,213	391,738	393,263	392,413	393,788	392,800
<i>Justice Center Addition (2034) <sup>1</sup></i>	-	150,000	740,000	740,000	740,000	740,000	740,000
<i>Riverside Dr/SR 161 Roundabout <sup>1</sup></i>	-	165,000	821,400	821,400	821,400	821,400	821,400
<i>Bridge Park Street Network, Parking Structures <sup>1</sup></i>	-	-	150,000	850,000	1,100,000	550,000	550,000
<i>Scioto River Pedestrian Bridge <sup>2</sup></i>	-	-	-	1,136,800	1,136,800	1,136,800	1,136,800
<i>North Riverview Rehabilitation <sup>2</sup></i>	-	-	-	-	160,000	160,000	160,000
<i>Riverside Drive Park <sup>2</sup></i>	-	-	-	600,000	600,000	600,000	600,000
<i>Service Center Addition <sup>2</sup></i>	-	-	251,600	251,600	251,600	251,600	251,600
<i>Parking Deck - CML Library <sup>2</sup></i>	-	-	-	481,000	481,000	481,000	481,000
<i>Roadway/Infrastructure - CML Library <sup>2</sup></i>	-	-	695,600	695,600	695,600	695,600	695,600
<i>Eiterman Road Relocation <sup>2</sup></i>	-	-	-	-	215,000	215,000	215,000
<i>Sawmill Road - 3rd Southbound Lane Addition <sup>2</sup></i>	-	-	-	-	-	-	390,000
<i>Reserved for US 33/SR 161/Post interchange <sup>2</sup></i>	-	-	-	-	300,000	300,000	300,000
<b>Total</b>	<b>\$3,128,954</b>	<b>\$3,432,441</b>	<b>\$5,747,314</b>	<b>\$8,637,019</b>	<b>\$8,957,519</b>	<b>\$8,213,512</b>	<b>\$7,491,868</b>
Income tax revenue available for debt retirement	\$ 13,210,280	\$ 12,492,750	\$ 12,492,750	\$ 12,330,000	\$ 12,514,950	\$ 12,702,674	\$ 12,893,214
Balance available <sup>3</sup>	\$ 10,081,326	\$ 9,060,309	\$ 6,745,436	\$ 3,692,981	\$ 3,557,431	\$ 4,489,162	\$ 5,401,346
Amount of additional debt that could be supported <sup>4</sup>	\$ 126,016,576	\$ 113,253,858	\$ 84,317,952	\$ 46,162,260	\$ 44,467,887	\$ 56,114,526	\$ 67,516,821
Recommended maximum amount of additional debt	\$ 113,414,918	\$ 101,928,472	\$ 75,886,156	\$ 41,546,034	\$ 40,021,099	\$ 50,503,073	\$ 60,765,139

<sup>1</sup> Estimated debt service obligations; Estimate assumes 20 year bonds at 4% and level payments.

<sup>2</sup> Estimated debt service obligations; Estimate assumes 20 year bonds a 5% and level payments.

<sup>3</sup> Funding not needed for debt service is utilized to fund cash basis projects.

<sup>4</sup> It is not recommended that the total amount be issued in long-term debt. 90% of amount of additional debt that could be supported is recommended.

Note - Payments include both principal and interest and fees, if applicable.

*Highlighted rows indicate anticipated future debt.*

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
DEBT SERVICE PAYMENTS DUE  
(Income tax supported debt only)**

Debt Issue	2014	2015	2016	2017	2018	2019	2020
<b>Service Payments</b>							
Emerald Parkway-Phase 2 (2016) <sup>1</sup>	\$ -	548,420	494,000	-	-	-	-
Rings Road improvements (2020) <sup>1</sup>	270,479	269,358	274,081	274,890	276,874	279,391	281,181
Woerner-Temple Road (2020) <sup>2</sup>	480,900	462,007	448,662	449,222	452,222	455,572	-
Perimeter Drive extension (2020) <sup>1</sup>	302,971	301,714	305,874	306,777	308,990	311,802	313,799
Emerald Parkway-Phase 7A (2020) <sup>1</sup>	156,048	155,400	155,678	156,137	157,264	158,695	159,711
Industrial Parkway/SR 161 improvements <sup>1</sup>	666,753	661,631	660,031	658,356	657,106	665,206	667,144
Emerald Parkway-Phase 8 (2033) <sup>1</sup>	458,572	483,000	483,775	479,475	482,375	482,925	480,425
I-270/US 33/SR 161 Interchange-ROW (2023) <sup>1</sup>	1,035,813	1,038,075	1,035,475	1,037,725	1,036,100	1,037,825	1,033,075
I-270/US 33/SR 161 Interchange-Construction (2034) <sup>1</sup>	-	-	722,508	1,422,725	1,392,256	1,360,865	1,328,525
<i>Emerald 8/Riverside Dr. Realignment (2034)<sup>3</sup></i>	-	170,200	851,000	851,000	851,000	851,000	851,000
<i>John Shields Parkway Phase II (2035)<sup>3</sup></i>	-	-	840,000	840,000	840,000	840,000	840,000
<i>Graham Street/Tuller Flats Roadway Network<sup>3</sup></i>	-	-	173,160	173,160	173,160	173,160	173,160
<i>Avery/Perimeter Loop/Perimeter Drive<sup>4</sup></i>	-	-	-	-	-	-	320,000
<i>Avery Road Widening (Rings Rd. West to Woerner Temple)<sup>4</sup></i>	-	-	-	-	-	-	638,000
<b>Water and Sewer Funds</b>							
Rings/Blazer Water Tower (2014)	\$ 356,440	-	-	-	-	-	-
Upper Scioto West Branch (2018)	1,350,725	1,350,725	1,350,725	1,350,725	675,365	-	-
Darree Fields Water Tower (2029)	139,066	136,113	139,763	138,338	140,963	134,463	136,850
Dublin Road Water Tower (2032)	160,213	158,313	156,413	158,963	156,463	159,413	156,788
Sewer Line Repairs (2029)	153,578	150,825	149,325	152,825	150,200	148,625	150,738
Sewer Line Repairs (2032)	170,100	168,100	171,050	168,425	170,750	168,550	170,725
<i>Sewer System Improvements<sup>3</sup></i>	-	50,000	185,000	185,000	185,000	185,000	185,000
<i>Sewer System Improvements<sup>3</sup></i>	-	-	39,590	39,590	39,590	39,590	39,590
<i>Sewer System Improvements<sup>4</sup></i>	-	-	-	-	255,200	255,200	255,200
<i>Sewer Extensions<sup>4</sup></i>	-	-	-	36,800	36,800	36,800	36,800
<i>Sewer Extensions<sup>4</sup></i>	-	-	-	-	64,400	64,400	64,400
<i>Sewer Extensions<sup>4</sup></i>	-	-	-	-	-	56,000	56,000
<i>Sewer System Improvements<sup>4</sup></i>	-	-	-	-	-	47,200	47,200
<i>Sewer Extensions<sup>4</sup></i>	-	-	-	-	-	-	234,800
<i>Sewer System Improvements<sup>4</sup></i>	-	-	-	-	-	-	65,600
<b>Special Assessments</b>							
Tuller Road (2014)	\$ 106,400	-	-	-	-	-	-
Ballantrae improvements (2021)	129,537	128,624	128,752	128,784	128,148	127,624	129,323
<b>Property Taxes (Inside millage)</b>							
Parkland acquisition-Coffman Park (2020)	\$ 242,632	233,445	236,700	238,820	239,540	240,520	207,000
Metro Park contribution (2017)	385,000	385,000	385,000	385,000	-	-	-
<i>Reserved for US 33/SR 161/Post interchange<sup>4</sup></i>	-	-	-	-	1,600,000	1,600,000	1,600,000
<b>Hotel/Motel Tax Revenues</b>							
Arts Facility (2020)	\$ 627,632	618,445	621,700	623,820	1,839,540	1,840,520	1,807,000
<b>Total</b>	<b>\$ 7,373,356</b>	<b>\$ 7,012,167</b>	<b>\$ 9,548,816</b>	<b>\$ 9,795,512</b>	<b>\$ 10,633,674</b>	<b>\$ 10,045,225</b>	<b>\$ 10,788,494</b>

<sup>1</sup> Service payments are sufficient or exceed annual debt service obligations.

<sup>2</sup> Annual service payments are not sufficient to retire the annual debt. Additional amounts will be advanced from the General/Capital Improvements Tax Fund and then repaid during the term of the TIF.

<sup>3</sup> Estimated debt service obligations; Estimate assumes 20 year bonds at 4% and level payments.

<sup>4</sup> Estimated debt service obligations; Estimate assumes 10 year bonds at 5% and level payments.

*Highlighted rows indicate anticipated future debt.*



**2016 - 2020**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**MAJOR PROJECTS**

**Project Prioritization**

In developing the Five-Year CIP, several elements are taken into consideration: City Council goals, both past and present; findings included in the Economic Development Strategy; commitments made by the City in agreements such as tax increment financing/economic development agreements; bi-annual community surveys, input from citizen committees, and economic development opportunities. Utilizing these criteria resulted in projects to be funded that are biased towards needed infrastructure improvements such as roads and utility needs.

The following pages reflect the projects to be funded, project descriptions, and a recap of the funding sources.

**2016-2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED MAJOR PROJECTS**

PROJECT	PROJECT	TOTAL COST	PRIOR YEAR(S)	TOTAL					TOTAL			
				2015	2016	2017	2018	2019		2020	2016-2020	
ET10103	Tuttle Crossing Boulevard Extension-Wilcox Road to Avery Road / Avery Road Widening - Tuttle Crossing Blvd. to Rings Road East, phase 1 (TIF)	532,000	132,000	400,000	1,900,000						0	0
	Architectural\Engineering fees	1,913,000	13,000									1,900,000
	Construction	11,660,000									11,660,000	11,660,000
	Other Expenses (Utilities and Landscape)	1,040,000									1,040,000	1,040,000
	<b>Total</b>	<b>15,145,000</b>	<b>145,000</b>	<b>400,000</b>	<b>1,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,700,000</b>	<b>14,600,000</b>
ET11601	Tuttle Crossing Boulevard Extension, phase 2 (TIF)	125,000				125,000						125,000
	Architectural\Engineering fees	0	0									0
	Construction	0	0									0
	Other Expenses (Landscape)	0	0									0
	<b>Total</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125,000</b>
ET10104	Emerald Parkway, phase 8 (TIF) (includes a portion of Riverside Drive realignment)	922,000	922,000									0
	Architectural\Engineering fees	4,071,000	4,071,000									0
	Acquisition	17,885,000	8,894,000	8,991,000								0
	Construction	314,000	314,000	314,000								0
	Other Expenses (Landscape)											0
	<b>Total</b>	<b>23,192,000</b>	<b>13,887,000</b>	<b>9,305,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
ET11119	Relocated Rings Road (Churchman Road)	236,000	236,000									0
	Architectural\Engineering fees	350,000	350,000	350,000								0
	Acquisition	2,250,000			2,250,000							2,250,000
	Construction	150,000			150,000							150,000
	Other Expenses (Landscape)											0
	<b>Total</b>	<b>2,986,000</b>	<b>236,000</b>	<b>350,000</b>	<b>2,400,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,400,000</b>
ET11402	Avery Road Widening - Rings Road West to Woerner Temple (TIF)	452,000	2,000	450,000	300,000							0
	Phase 2	637,000	172,000	165,000								0
	Architectural\Engineering fees	7,415,000										300,000
	Acquisition	560,000										0
	Construction											0
	Other expenses (Landscape and Utilities)											0
	<b>Total</b>	<b>9,064,000</b>	<b>174,000</b>	<b>615,000</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,275,000</b>
ET11301	West Innovation Park Infrastructure (Onsite)	214,000	214,000									0
	Architectural\Engineering fees	75,000		75,000								0
	Acquisition	1,450,000		1,450,000								0
	Construction	1,110,000		1,110,000								0
	Other expenses (Landscape and Utilities and Fiber)											0
	<b>Total</b>	<b>2,849,000</b>	<b>214,000</b>	<b>2,635,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
ET11403	Riverside Drive Realignment (TIF)	805,000	720,000	85,000								0
	Architectural\Engineering fees	8,270,000	40,000	40,000								0
	Acquisition	2,315,000	2,315,000	2,315,000								0
	Construction	705,000	705,000	705,000								0
	Other expenses (Landscape and Utilities)											0
	<b>Total</b>	<b>12,095,000</b>	<b>8,950,000</b>	<b>3,145,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
ET11405	John Shields Parkway, phase 1 (TIF)	125,000	115,000	10,000								0
	Architectural\Engineering fees	244,000	4,000	240,000								0
	Acquisition	1,245,000	1,150,000	95,000								0
	Construction	110,000	110,000									0
	Other expenses											0
	<b>Total</b>	<b>1,724,000</b>	<b>1,379,000</b>	<b>345,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**2016-2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED MAJOR PROJECTS**

	PROJECT	TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
ET1409	John Shields Parkway, phase 2 (TIF) Architectural/Engineering fees Acquisition Construction Other expenses Total	550,000 4,615,000 10,475,000 305,000 15,945,000	0 4,580,000 0 0 4,580,000	550,000 35,000 3,175,000 305,000 4,065,000	7,300,000 7,300,000 0 0 7,300,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 7,300,000 0 7,300,000
ET1701	Dale Drive Rehabilitation (TIF) Architectural/Engineering fees Acquisition Construction Other expenses Total	400,000 0 0 0 400,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	400,000 0 0 0 400,000	0 0 0 0 0	0 0 0 0 400,000
ET1527	Post Road Improvement (TIF) Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	400,000 100,000 0 0 400,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	400,000 400,000 0 0 400,000	0 100,000 0 0 0	0 400,000 0 0 400,000
ET1411	COTA Relocation (TIF) Architectural/Engineering fees Acquisition Construction Other expenses (Landscape) Total	256,000 0 850,000 0 1,106,000	131,000 0 0 0 131,000	125,000 850,000 0 0 975,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
ET0606	Eitterman Road Relocation (TIF) Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	477,000 0 2,270,000 370,000 3,117,000	137,000 0 0 0 137,000	0 0 0 0 0	340,000 0 0 0 340,000	0 0 0 0 0	0 0 2,270,000 370,000 2,640,000	0 0 0 0 0	0 0 0 0 0	0 0 2,270,000 370,000 2,980,000
ET0003	US33/SR161/Post Road Interchange Architectural/Engineering fees Acquisition Construction Other expenses (Utilities) Total	3,383,000 36,164,000 886,000 100,000 40,533,000	3,183,000 12,439,000 886,000 0 16,508,000	0 0 0 0 0	200,000 0 0 0 200,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
ET1515	Old Avery Road Relocation Architectural/Engineering fees Acquisition Construction Other expenses Total	200,000 0 0 0 200,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
ET1517	Shier Rings Road-Avery Road to Eitterman Architectural/Engineering fees Acquisition Construction Other expenses Total	200,000 0 0 0 200,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
ET1518	Hyland Croy and Post Preserve Roundabout (TIF) Architectural/Engineering fees Acquisition Construction Other expenses (Landscape) Total	225,000 150,000 1,500,000 30,000 1,905,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	225,000 150,000 1,500,000 30,000 1,905,000	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0

**2016-2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
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PROJECT	TOTAL COST	PRIOR YEAR(S)	TOTAL					TOTAL 2016-2020
			2015	2016	2017	2018	2019	
ET1523 Perimeter Drive Widening - Holt Road to Commerce Parkway (TIF) Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	300,000 0 0 0 0	0	0	0	0	0	0	300,000 0 0 0 0
ET0902 Post Preserve Access Modification (TIF) Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	216,000 0 1,410,000 175,000 1,801,000	191,000	25,000	1,410,000 175,000	0	0	0	300,000 0 1,410,000 175,000 1,585,000
ET1602 Emerald Parkway Bridge (Scioto) Deck Overlay Architectural/Engineering fees Acquisition Construction Other expenses Total	100,000 0 2,500,000 0 2,600,000	0	0	0	0	100,000	0	100,000 0 2,500,000 0 2,600,000
ET1603 Uncurbed Streets - Mid-Century Neighborhood Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	290,000 140,000 2,340,000 50,000 2,820,000	0	290,000 140,000	2,340,000 50,000	2,390,000	0	0	290,000 140,000 2,340,000 50,000 2,820,000
ET1604 University Boulevard Extension, phase 2 (TIF) Architectural/Engineering fees Acquisition Construction Other expenses Total	260,000 0 1,725,000 75,000 2,060,000	0	260,000	0	0	1,725,000 75,000	0	260,000 0 1,725,000 75,000 2,060,000
ET1605 Riviera Hyland-Croy Connector Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	125,000 150,000 1,050,000 70,000 1,395,000	0	0	125,000 150,000	0	0	0	125,000 150,000 1,050,000 70,000 1,395,000
ET1606 Bridge Park Roadway System (TIF) Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	0 0 11,100,000 0 11,100,000	0	11,100,000	0	0	0	0	0 0 11,100,000 0 11,100,000
ET1607 Bridge Street District Program Management Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	3,075,000 0 2,785,000 0 5,860,000	410,000	1,085,000	600,000	600,000	0	0	1,580,000 0 2,785,000 0 3,500,000

**2016-2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED MAJOR PROJECTS**

	PROJECT	TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
ET1608	Bridge Park Public Infrastructure (TIF) Architectural\Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	0 0 32,000,000 0 32,000,000	0	32,000,000	0	0	0	0	0	0
ET1609	Graham Street - CASTO Tuller Flats Roadway System (TIF) Architectural\Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	0 0 2,340,000 0 2,340,000	0	2,340,000	0	0	0	0	0	2,340,000
ET1610	Historic District CM Library Street Network Architectural\Engineering fees Acquisition Construction Other expenses (Utilities) Total	840,000 0 6,400,000 3,500,000 10,740,000	90,000	750,000	6,400,000 3,000,000 9,400,000	0	0	0	0	0 0 6,400,000 3,000,000 9,400,000
ET1611	Historic District CM Library Parking Deck Architectural\Engineering fees Acquisition Construction Other expenses (Utilities) Total	0 0 6,500,000 0 6,500,000	0	0	6,500,000	6,500,000	0	0	0	0 0 6,500,000 0 6,500,000
ET1612	John Shields Parkway Bridge Architectural\Engineering fees Acquisition Construction Other expenses (Utilities) Total	240,000 550,000 0 0 790,000	90,000	150,000	150,000	0	0	0	550,000	0 550,000 0 0 550,000
ET1613	Western Roadway Alignment Study Architectural\Engineering fees Acquisition Construction Other expenses (Utilities) Total	650,000 0 0 0 650,000	90,000	500,000	150,000	0	0	0	0	150,000 0 0 0 150,000
ET1614	North Riverview Rehabilitation (Extension) Architectural\Engineering fees Acquisition Construction Other expenses (Utilities) Total	385,000 0 2,000,000 0 2,385,000	0	385,000	2,000,000	0	2,000,000	0	0	0 0 2,000,000 0 2,000,000
ET1615	Comprehensive Wayfinding System - Phased City Wide Architectural\Engineering fees Acquisition Construction Other expenses (Utilities) Total	280,000 0 1,090,000 0 1,370,000	0	250,000	705,000	10,000 120,000 130,000	10,000 115,000 125,000	5,000 90,000 95,000	5,000 60,000 65,000	30,000 0 1,090,000 0 1,120,000

**2016-2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED MAJOR PROJECTS**

PROJECT	TOTAL COST	PRIOR YEAR(S)	TOTAL					TOTAL 2016-2020		
			2015	2016	2017	2018	2019		2020	
ET0410	Avery-Muirfield/Perimeter Loop/Perimeter Drive (TIF)	Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	646,000 120,000 2,313,000 119,000 3,198,000	850,000	0	0	0	650,000	7,500,000 250,000 7,750,000	0 650,000 7,500,000 250,000 8,400,000
ET0508	Riverside Drive/SR161 (TIF)	Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	630,000 5,360,000 10,725,000 34,000 1,365,000 19,039,000	380,000 545,000 10,725,000 565,000 12,215,000	750,000	0	0	0	0	0 0 0 750,000 750,000
ET0605	Sawmill Road/Hard Road (TIF)	Architectural/Engineering fees Acquisition Construction Other expenses (Landscape) Total	334,000 347,000 2,720,000 10,000 3,411,000	334,000 347,000 2,720,000	10,000	0	0	0	0	0 0 0 10,000 10,000
ET1616	Sawmill Road Third Southbound Lane Addition	Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	675,000 300,000 4,500,000 375,000 5,850,000	75,000	600,000	0	300,000	0	0	600,000 300,000 4,500,000 375,000 5,775,000
ET1528	Sawmill Road - Snouffer Road Intersection Improvements	Architectural/Engineering fees Acquisition Construction Other expenses (Landscape) Total	125,000 0 0 0 125,000	125,000	0	0	0	0	0	0 0 0 0 0
ET0809	Hyland Croy Road/McKittick Road	Architectural/Engineering fees Acquisition Construction Other expenses (Landscape) Total	180,000 50,000 1,200,000 20,000 1,450,000	180,000 50,000	0	0	0	0	0	0 0 1,200,000 20,000 1,220,000
ET1401	I-270/US 33 Interchange Improvements, phase 1 (TIF)	Architectural/Engineering fees Acquisition Construction Other expenses (grant writing/landscape/art) Total	5,817,000 4,500,000 10,363,000 2,676,000 23,356,000	4,000,000 9,180,000 1,183,000 2,655,000 15,835,000	0	0	0	0	0	0 0 0 0 0
ET1525	I-270 AEP Overhead to Underground Crossing (TIF)	Architectural/Engineering fees Acquisition Construction Other expenses Total	0 0 1,105,000 0 1,105,000	1,105,000	0	0	0	0	0	0 0 0 0 0
ET1102	US33/SR 161/Post Road Interchange Improvements - Eiterman Road Roundabout (TIF)	Architectural/Engineering fees Acquisition Construction Other expenses (Landscape and Utilities) Total	173,000 0 2,395,000 185,000 2,753,000	173,000	0	0	0	0	0	0 0 2,395,000 185,000 2,580,000

**2016-2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
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	PROJECT	TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
ET1521	Muirfield Drive/Memorial Drive Alternative Analysis	290,000		65,000				225,000		225,000
	Acquisition	0								0
	Construction	0								0
	Other expenses (Utilities)	0								0
	<b>Total</b>	<b>290,000</b>	<b>0</b>	<b>65,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>225,000</b>	<b>0</b>	<b>225,000</b>
ET1302	SR 161/Hyland-Croy Road Temporary Intersection Improvement (TIF)	40,000		40,000						0
	Acquisition	0								0
	Construction	300,000					300,000			300,000
	Other expenses	0								0
	<b>Total</b>	<b>340,000</b>	<b>0</b>	<b>40,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>
ET1406	Avery Road/Brand Road Roundabout (TIF)	330,000		50,000	280,000					280,000
	Acquisition	75,000			75,000					75,000
	Construction	1,800,000				1,800,000				1,800,000
	Other expenses	335,000				335,000				335,000
	<b>Total</b>	<b>2,540,000</b>	<b>0</b>	<b>50,000</b>	<b>355,000</b>	<b>2,135,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,490,000</b>
ET1524	US33/SR161/Frantz Road Intersection	500,000			250,000		250,000			500,000
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	<b>Total</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>250,000</b>	<b>0</b>	<b>0</b>	<b>500,000</b>
ET1203	Dublin Road South Shared Use Path Connection	308,000	308,000							0
	Acquisition	189,000	189,000							0
	Construction	2,315,000	735,000	1,580,000						0
	Other expenses (Landscape)	5,000	5,000							0
	<b>Total</b>	<b>2,817,000</b>	<b>1,232,000</b>	<b>1,585,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
ET1204	Glick Road Shared Use Path Connection, sections 1 and 3	1,004,000	764,000	240,000	5,000					0
	Acquisition	112,000	57,000	50,000	225,000					5,000
	Construction	1,495,000	870,000	400,000	10,000					225,000
	Other expenses (Landscape and Utilities)	30,000	5,000	15,000						10,000
	<b>Total</b>	<b>2,641,000</b>	<b>1,696,000</b>	<b>705,000</b>	<b>240,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>240,000</b>
ET1617	Perimeter Drive Shared Use Path - Avery-Muirfield to Holt (TIF)	100,000		100,000						0
	Acquisition	0								0
	Construction	0								0
	Other expenses (Landscape and Utilities)	0								0
	<b>Total</b>	<b>100,000</b>	<b>0</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
ET1618	Rings Road - Frantz Road to Dublin Road Shared Use Path (TIF)	70,000		70,000	30,000					0
	Acquisition	30,000								30,000
	Construction	400,000				400,000				400,000
	Other expenses (Landscape)	5,000				5,000				5,000
	<b>Total</b>	<b>505,000</b>	<b>0</b>	<b>70,000</b>	<b>30,000</b>	<b>405,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>435,000</b>

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PROJECT	TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL
									2016-2020
ET1619 Riverside Drive East Shared Use Path	75,000	0		75,000					75,000
Architectural\Engineering fees	0								0
Acquisition	0								0
Construction	0								0
Other expenses (Landscape)	0								0
<b>Total</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>75,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>
ET1620 Shier Rings Road Shared Use Path - Eiterman to Cosgray	30,000				30,000	75,000			30,000
Architectural\Engineering fees	75,000								75,000
Acquisition	210,000						210,000		210,000
Construction	45,000						45,000		45,000
Other expenses (Landscape)									
<b>Total</b>	<b>360,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30,000</b>	<b>75,000</b>	<b>255,000</b>	<b>0</b>	<b>360,000</b>
ET1621 Concord Road Shared Use Path	80,000		80,000						0
Architectural\Engineering fees	30,000			30,000					30,000
Acquisition	260,000				260,000				260,000
Construction	25,000			5,000	20,000				25,000
Other expenses (Landscape and Utilities)									
<b>Total</b>	<b>395,000</b>	<b>0</b>	<b>80,000</b>	<b>35,000</b>	<b>280,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>315,000</b>
<b>Total Transportation</b>	<b>295,897,000</b>	<b>67,867,000</b>	<b>107,705,000</b>	<b>31,955,000</b>	<b>13,420,000</b>	<b>7,560,000</b>	<b>19,575,000</b>	<b>47,815,000</b>	<b>120,325,000</b>

**2016-2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED MAJOR PROJECTS**

	PROJECT	TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
GR9901	Darree Fields Park Development									
	Acquisition	618,000	578,000		40,000					40,000
	Architectural\Engineering fees	552,000	552,000							0
	Construction	5,416,000	4,716,000	660,000	40,000					40,000
	Other expenses	75,000	75,000							0
	<b>Total</b>	<b>6,661,000</b>	<b>5,921,000</b>	<b>660,000</b>	<b>80,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80,000</b>
GR9903	Amberleigh Community Park Development									
	Acquisition	259,000	184,000						75,000	75,000
	Architectural\Engineering fees	732,000	732,000							0
	Construction	1,717,000	1,717,000							0
	Other expenses	0	0							0
	<b>Total</b>	<b>2,708,000</b>	<b>2,633,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75,000</b>	<b>75,000</b>
GR9904	Emerald Fields Park Development									
	Acquisition	250,000	195,000		55,000					55,000
	Architectural\Engineering fees	1,220,000	1,220,000							0
	Construction	3,970,000	3,745,000			225,000				225,000
	Other expenses	0	0							0
	<b>Total</b>	<b>5,440,000</b>	<b>5,160,000</b>	<b>0</b>	<b>55,000</b>	<b>225,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>280,000</b>
GR9902	Coffman Park Expansion									
	Acquisition	575,000	480,000		95,000					95,000
	Architectural\Engineering fees	0	0							0
	Construction	6,343,000	2,458,000	2,900,000		985,000				985,000
	Other expenses (Landscape)	62,000	62,000							0
	<b>Total</b>	<b>6,980,000</b>	<b>3,000,000</b>	<b>2,900,000</b>	<b>95,000</b>	<b>985,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,080,000</b>
GR1114	Holder-Wright Farm and Earthworks									
	Acquisition	230,000	130,000	100,000						0
	Architectural\Engineering fees	1,500,000	1,500,000							0
	Construction	1,418,000	293,000		1,125,000					1,125,000
	Other expenses	0	0							0
	<b>Total</b>	<b>3,148,000</b>	<b>1,923,000</b>	<b>100,000</b>	<b>1,125,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,125,000</b>
GR1302	Scioto River Pedestrian Bridge									
	Acquisition	2,503,000	3,000	2,500,000						0
	Architectural\Engineering fees	725,000	725,000							0
	Construction	19,210,000				19,210,000				19,210,000
	Other expenses	0	0							0
	<b>Total</b>	<b>22,438,000</b>	<b>728,000</b>	<b>2,500,000</b>	<b>0</b>	<b>19,210,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,210,000</b>
GR1303	Riverside Park									
	Acquisition	2,505,000	2,400,000	1,055,000	130,000	300,000	600,000	300,000	120,000	1,450,000
	Architectural\Engineering fees	2,400,000	2,400,000							0
	Construction	7,275,000	450,000	450,000	580,000	885,000	2,305,000	1,710,000	1,345,000	6,825,000
	Other expenses	0	0							0
	<b>Total</b>	<b>12,180,000</b>	<b>2,400,000</b>	<b>1,505,000</b>	<b>710,000</b>	<b>1,185,000</b>	<b>2,905,000</b>	<b>2,010,000</b>	<b>1,465,000</b>	<b>8,275,000</b>
AL1601	Parkland Acquisition									
	Acquisition	3,900,000		650,000	650,000	650,000	650,000	650,000	650,000	3,250,000
	<b>Total</b>	<b>3,900,000</b>	<b>0</b>	<b>650,000</b>	<b>650,000</b>	<b>650,000</b>	<b>650,000</b>	<b>650,000</b>	<b>650,000</b>	<b>3,250,000</b>
	<b>Total Parks</b>	<b>63,455,000</b>	<b>21,765,000</b>	<b>8,315,000</b>	<b>2,715,000</b>	<b>22,255,000</b>	<b>3,555,000</b>	<b>2,660,000</b>	<b>2,190,000</b>	<b>33,375,000</b>



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PROJECT	TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
AB0601	Municipal Facilities								
	Architectural/Engineering fees	325,000	325,000						0
	Acquisition	0							0
	Construction	17,070,000	10,740,000	5,865,000	465,000				6,330,000
	Other expenses (Wayfinding)	50,000		50,000					50,000
	Total	17,445,000	11,065,000	5,915,000	465,000				6,380,000
	<b>Total Facilities</b>	<b>17,445,000</b>	<b>11,065,000</b>	<b>5,915,000</b>	<b>465,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,380,000</b>
AI1601	Computer Hardware/Software								
	Equipment	6,000,000	1,200,000	1,000,000	950,000	950,000	950,000	950,000	4,800,000
	Total	6,000,000	1,200,000	1,000,000	950,000	950,000	950,000	950,000	4,800,000
PP1601	Next Gen 911 Upgrade								
	Equipment	675,000			675,000				675,000
	Total	675,000	0	0	675,000	0	0	0	675,000
EW1401	Allocation for Water Extensions								
	Other expenses	1,200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
	Total	1,200,000	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
ES1402	Allocation for Sewer Extensions								
	Other expenses	1,800,000	200,000	200,000	200,000	400,000	400,000	400,000	1,600,000
	Total	1,800,000	200,000	200,000	200,000	400,000	400,000	400,000	1,600,000
AV1601	Fleet Management Program								
	Vehicles	6,895,000	1,465,000	1,140,000	1,120,000	1,125,000	1,045,000	1,000,000	5,430,000
AV1603	Equipment	2,485,000	375,000	735,000	405,000	445,000	295,000	230,000	2,110,000
	Total	9,380,000	1,840,000	1,875,000	1,525,000	1,570,000	1,340,000	1,230,000	7,540,000
	<b>Total Others</b>	<b>19,055,000</b>	<b>3,440,000</b>	<b>3,275,000</b>	<b>3,550,000</b>	<b>3,120,000</b>	<b>2,890,000</b>	<b>2,780,000</b>	<b>15,615,000</b>
	<b>Grand Totals</b>	<b>\$419,670,000</b>	<b>\$133,195,000</b>	<b>\$44,640,000</b>	<b>\$41,110,000</b>	<b>\$17,725,000</b>	<b>\$26,875,000</b>	<b>\$56,755,000</b>	<b>\$187,105,000</b>

9/8/2015



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Tuttle Crossing Boulevard Extension – Wilcox Road to Avery Road / Avery Road Widening – Tuttle Crossing Blvd. To Rings Road East, phase 1 (Project #ET0103)**

This project provides for the extension of Tuttle Crossing Boulevard from its current terminus at Wilcox Road to Avery Road, the construction of a multi-lane roundabout at the new intersection of Tuttle Crossing Boulevard and Avery Road, and the widening of Avery Road from the extended Tuttle Crossing Boulevard to Rings Road. The project uses roundabouts at the intersections of Tuttle Crossing Boulevard and Wilcox Road, Tuttle Crossing Boulevard and Avery Road, and Avery Road and Rings Road. The project includes the construction of a four-lane boulevard with curb and gutter, shared-use path, sidewalk, street lights, and landscaping. The project also includes burying the overhead lines along Avery Road. The cost to extend water and sewer along Tuttle Crossing Boulevard, Cara Road, Cara Court, and Rings Road are included in the construction cost.

The preliminary alignment study was funded in 2012 partially due to the National Church Residence's (NCR) ability to secure financing for the construction of one and two bedroom housing units for seniors of mixed incomes and discussions with Homewood for development of the area north of the NCR site.

The project design was programmed in 2014 and 2015. Right-of-way acquisition along Tuttle Crossing Boulevard from Wilcox Road to Avery Road is programmed in 2016 and project construction is reflected in 2019. Dublin is working with ODOT to determine the actual project schedule, which will impact the timeframe for acquisition of right-of-way.

The project will be funded through service payments from the Rings/Frantz TIF, an advance of income tax from the General Fund, as well as a \$7,000,000 grant through MORPC attributable funding.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Tuttle Crossing Boulevard Extension, phase 2 (Project #ET1601)**

Funding provided in the five year program consists of preliminary engineering in 2017 to extend Tuttle Crossing Boulevard from Cosgray Road to Avery Road. This section of roadway, approximately 1.5 miles, will cross the CSX RR tracks and it will be necessary to determine whether the crossing will be via a bridge or a tunnel. Exploration of those alternatives will be included in the preliminary engineering for the project.

The project will be funded through service payments from the Rings/Frantz TIF.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Emerald Parkway-phase 8, Tuller/John Shields Parkway/Riverside Drive (Project #ET0104)**

This project provides for the final phase of construction for Emerald Parkway from Riverside Drive to Billingsley Creek. It includes a four lane boulevard section, sanitary sewer and water, street lights, and intersection improvements at Bright Road and Emerald Parkway. Construction was completed in 2014 with landscaping completed in 2015.

As a result of a Traffic Operations Analysis, it was determined that current intersection spacing between Tuller Road and Emerald Parkway on Riverside Drive is too close, causing traffic back-ups from the Riverside Drive and Emerald Parkway intersection to the Riverside Drive and Tuller Road intersection. To achieve optimum intersection performance at Riverside Drive and Emerald Parkway as well as improve safety, a reconfiguration of the Tuller Road intersection is necessary. This project also includes construction of John Shields Parkway from Riverside Drive to Mooney Street, and Riverside Drive from John Shields Parkway north to the underpass at I-270. Construction is programmed in 2015 for this phase of the project along with a portion of the relocation of Riverside Drive.

The McKittrick TIF has been modified to all “non-school” service payments to be utilized for a portion of this project along with debt issuance.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Relocated Rings Road (Churchman Road) (Project #ET1119)**

This project provides for the roadway extension from the existing Rings Road along the southwest boundary of the Ballantrae multi-family area, by-passing Amlin along its north side. The new road (Churchman Road) encompasses 3,600 feet of 3-laned boulevard section with landscaped median. It assumes roundabouts at the intersections of Churchman Road at Rings Road, and Churchman Road at Cosgray Road. The project also includes water and sewer extensions and landscaping.

The project is being designed for construction in phases:

Phase 1 – Churchman between Cosgray and Marmion with construction cost estimated at \$1,110,000 being paid by Edwards Land Company (developer) per the Ballantrae Agreement. Construction is planned for 2014.

Phase 2 – Churchman between Marmion and Rings with a roundabout at the Rings Road intersection. Site acquisition is programmed in 2015 with construction and landscaping programmed in 2016.

Phase 3 – Roundabout at Cosgray Road reflected in years beyond 2020.

To the extent possible, permissive tax will be used to fund the project.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Avery Road Widening – From Rings Road East to Woerner-Temple Road, phase 2 (Project #ET1402)**

This project provides for the widening of Avery Road from Rings Road East to Woerner-Temple Road. It will include a four lane boulevard “Emerald Parkway” style section for Avery Road approximately 3,150 feet in length; street lighting; shared use path, and a bridge over Cramer Ditch.

Project design is programmed in 2015. Site acquisition is funded in 2015 and 2016, and construction and landscaping is reflected in 2020.

This project widens Avery Road to the maximum four lane section as included in the City’s Community Plan.

Funding for this project is anticipated to be from service payments from the Thomas/Kohler TIF. Attributable funding through MORPC is possibly a viable funding source.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **West Innovation Park infrastructure (Project # ET1301)**

This project provides for extending utilities and road network into the Job Ready Site (JRS) at Houchard Road and Post Road/SR 161 to set conditions for new development.

A master plan and traffic impact study was done for this site in 2014. A Phase 1 improvement was identified to complement development opportunities. Phase 1 includes the construction of 1,000 feet of roadway, installation of turn lanes on SR 161, the construction of site stormwater management basins, landscaping (entry feature/sign, street trees), fiber installation and utility extensions. Construction is programmed in 2015.

Funding is anticipated to be from service payment revenue from the West Innovation TIF. In addition, the City has received an award in the amount of \$810,000 from the State Roadway Development (629) Funding to assist with this project.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Riverside Drive Realignment (Project #ET1403)**

This project provides for the realignment of Riverside Drive north of Dale Drive to Tuller Road in the Bridge Street District. Property along Riverside Drive was acquired for the project in late 2012 to provide the option to develop a future riverfront park, and allow for the relocation of Riverside Drive. Realignment design was programmed in 2014 with construction, landscaping and utility work programmed in 2015.

The project will be coordinated with future private development. The current McKittrick TIF legislation has been modified and in the future will be utilized to fund a portion, or all, of the project to the extent service payments are available.

The project portion of Riverside Drive realignment includes construction of John Shields Parkway from Riverside Drive to Mooney Street and construction of Riverside Drive from just north of Tuller Road to approximately 400 feet south of the Riverside Drive intersection with Martin Road.

## 2016 - 2020 Capital Improvements Program

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### Transportation – Major Projects

#### John Shields Parkway, Phase 1 (Project #ET1405)

This project provides for construction of approximately 350 feet of roadway and all related appurtenances. The site is located southwest of the intersection of Tuller Road and Tuller Ridge Drive. Design, site acquisition and construction is programmed in 2014 to 2015. Construction is required to be completed per the economic development agreement with the Vrable senior care facility.

It is anticipated that service payment revenue from the Vrable TIF will fund this project.



## 2016 - 2020 Capital Improvements Program

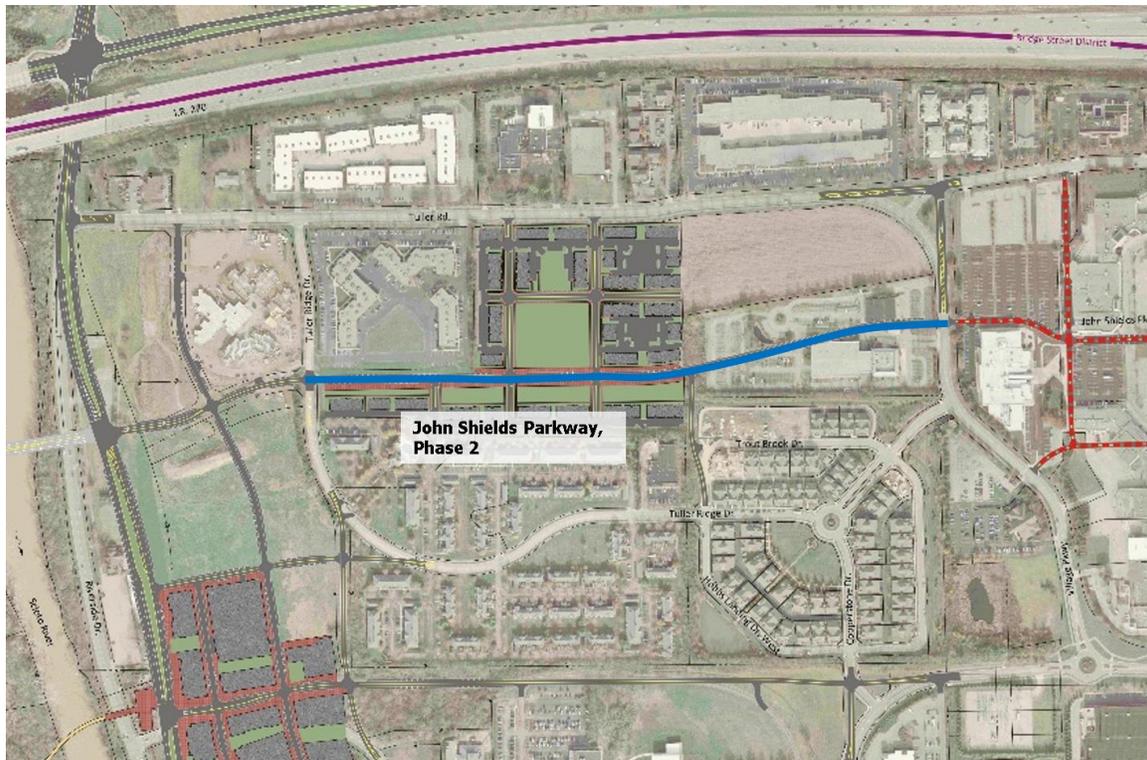
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### Transportation – Major Projects

#### John Shields Parkway, phase 2 (Project #ET1409)

This project provides for the second leg of John Shields Parkway from Tuller Ridge Drive to Village Parkway. Included is 2,600 feet of roadway, AEP duct bank and other public utilities programmed for construction in 2015. Part of this roadway is required to provide access for potential development. This project will connect to the portion of John Shields Parkway included with the realignment of Riverside Drive. Construction for the roadway is programmed in 2016.

This project will be funded by a debt issuance and a General Fund advance to the Tuller TIF, with anticipated repayments from service payment revenue from the Tuller TIF.



## 2016 - 2020 Capital Improvements Program

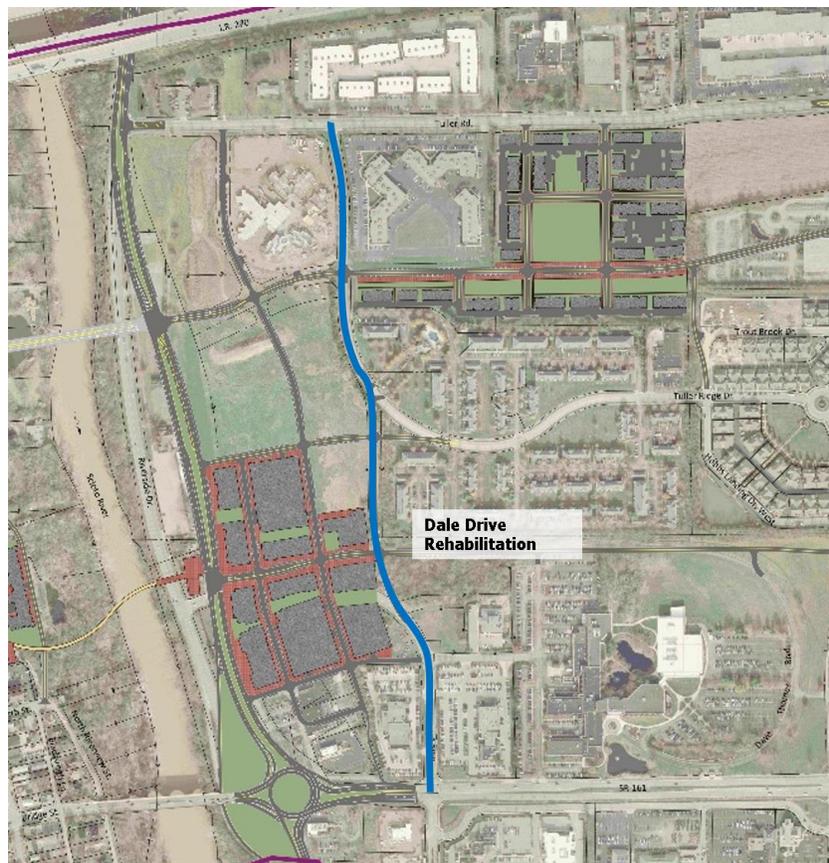
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### Transportation – Major Projects

#### Dale Drive Rehabilitation (Project #ET1529)

As Bridge Street builds-out and develops, Dale Drive (from SR 161 to Tuller Road – assuming Tuller Ridge Drive is renamed Dale Drive) will be rehabilitated to be in conformance with the Bridge Street road typologies. This project provides for re-construction of 3,000 feet of roadway and other public utilities in accordance with the standards for the Bridge Street District (granite curb, brick paver sidewalk, parking bays, street amenities, street lighting, etc). Design is programmed in 2019, and construction is shown beyond 2020.

It is anticipated that the project will be funded through an advance from the Capital Improvements Tax Fund with repayment from service payment revenue from the Tuller TIF and the Vrale TIF.





## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Post Road Improvement (Project #ET1527)**

This project provides for the complete re-construction of the approximately 3,400 foot section of roadway along Post Road from Perimeter Drive to Avery-Muirfield Drive/Post Road roundabout. This will be a three-lane roadway (two through lanes with left turn lanes at various access points) with concrete curb and gutter, storm sewers and enclosure of existing ditches, street lighting, and shared-use path along both the north and south sides.

Design is programmed in 2019 with site acquisition in 2020 and construction shown beyond 2020.

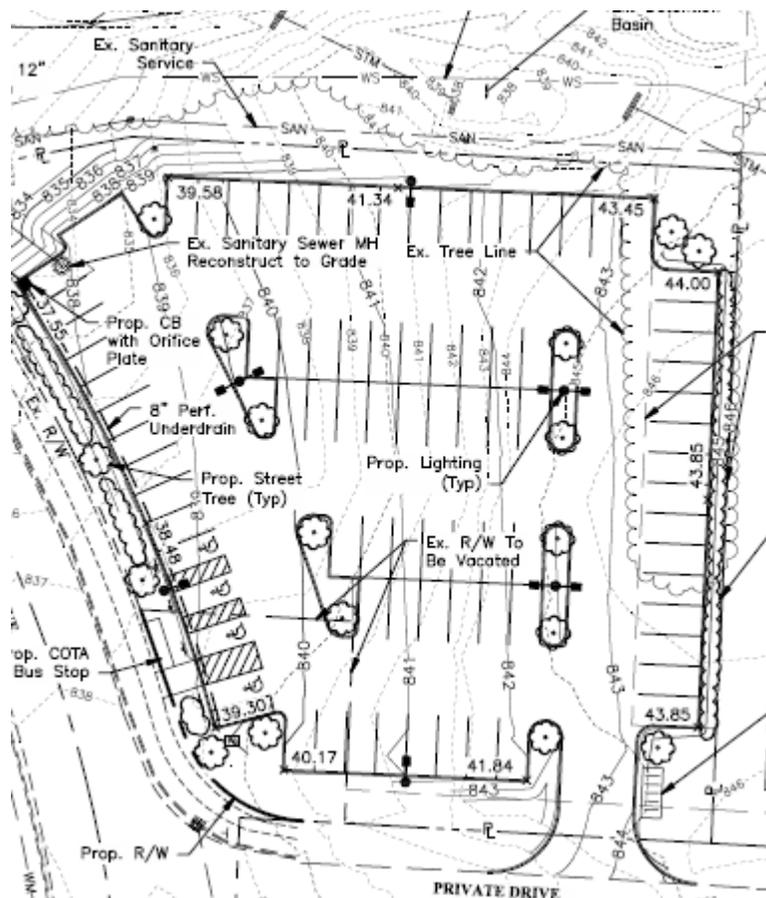
This project will be funded through service payment revenue from the Perimeter West TIF.

## 2016 - 2020 Capital Improvements Program

### Transportation – Major Projects

#### Central Ohio Transit Authority (COTA) Relocation (Project #ET1411)

This project is the design and construction of a new Park and Ride facility to relocate COTA from 4450 Dale Drive to their new adjacent site. Design and construction are programmed for 2015. The funding programmed includes costs for upgrades to the Byers facility as COTA's interim location.





## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Eiterman Road Relocation (Project #ET0606)**

This project includes the relocation / realignment of Eiterman Road from the SR 161/Eiterman Road roundabout south around the Ohio University campus. The project includes the burial of overhead utilities along Eiterman Road. This project helps to facilitate the Ohio University campus expansion, and provides greater freeway frontage and development opportunities.

Design of the project is programmed in 2016 and construction and landscape is programmed in 2018. The project is subject to on-going evaluation and will be triggered by development of the Ohio University project.

It is anticipated that the project will be funded through debt issuance with a General Fund advance to the West Innovation TIF. Repayment of the advance will be made from service payment revenue from the West Innovation District TIF.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **US33/SR161/Post Road Interchange (Project #ET0003)**

This project provides for the reconfiguration and construction of interchange improvements at US33/SR161/Post Road in accordance with the Federal Highway Administration and Ohio Department of Transportation. Study/design costs included in 2016 are to update and complete detail design drawings, update environmental clearances/FEMA study, and update the IMS. Right-of-way acquisition in 2017 is needed from a property along Liggett Road and other temporary easements not currently known. Construction is shown in 2020. Landscape costs for the interchange are not yet determined as they were not fully developed with the original plans. Those costs will be included in future budgets as cost estimates come available.

Debt will be issued to fund this project. Service payments from the Perimeter West TIF will be utilized as available.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Old Avery Road Relocation (Project #ET1515)**

This project provides for the relocation of Old Avery Road and improvements to the intersection of Shier Rings Road and Avery Road. The Old Avery Road at Shier Rings Road intersection needs to be relocated for the Shier Rings Road improvement project. This project will improve intersection spacing and safety. Preliminary engineering is programmed in 2017 with final design programmed in 2019. Construction is reflected beyond 2020.

Funding for this project will come from the Capital Improvements Tax Fund. The Dublin Methodist TIF may be reviewed as a possible funding source.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Shier Rings Road - Avery Road to Eiterman Road (Project #ET1517)**

This project provides for the upgrade of the existing two lane road with ditches to a three lane road with curb and gutter, with a roundabout at Eiterman Road and Shier Rings Road. Approximately 3,900 feet of Shier Rings will be affected. The project also includes burying approximately 4,000 feet of overhead utilities along Shier Rings Road.

Preliminary engineering is programmed in 2017 with final design programmed in 2019 and construction, utility burial and landscape reflected beyond 2020.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Hyland Croy and Post Preserve Roundabout (Project #ET1518)**

A roundabout at a new intersection on Hyland Croy Road for the new entrance to Post Preserve subdivision.

Design is programmed in 2017, site acquisition in 2018, and construction and landscape in 2019.

The funding source for this project is service payment revenue from the Perimeter West TIF.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Perimeter Drive widening - Holt Road to Commerce Parkway (ET1523)**

This project widens approximately 3,300 linear feet of Perimeter Drive from Holt Road to Commerce Parkway from an existing three lanes to four to five lanes to address increased traffic volumes, delay, and reduced safety on Perimeter Drive. This improvement supports the commercial corridor along Perimeter Drive. Utilities are already buried along Perimeter Drive. The proposed right-of-way width is 100 feet. There is approximately 90 feet already in place. An additional 10 feet along the north side of Perimeter Drive will be required when the project advances.

The final design is programmed in 2020 with right-of-way acquisition, landscape, any utility relocation, and construction shown beyond 2020.

This project will be funded by an advance from the Capital Improvements Tax Fund, with repayments from service payment revenue received from the Ruscilli TIF and the Perimeter West TIF.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Post Preserve Access Modification (Project #ET0902)**

This project extends and connects Springview Lane and Stillhouse Lane, and then extends the roadway to Hyland Croy Road (based on City Council motion on November 20, 2006). The project will also bury existing overhead power lines along the east side of Hyland Croy from Post Road to the access point.

This project is required by ODOT to eliminate the Post Preserve Boulevard intersection with Post Road due to a change in limited access right-of-way for the new interchange at US33/SR161/Post Road.

Design is programmed in 2015 with construction, landscape and utility burial programmed in 2016.

This project will be funded through service payments received from the Perimeter West TIF.

## 2016 - 2020 Capital Improvements Program

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### Transportation – Major Projects

#### **Emerald Bridge (Scioto) Deck Overlay (Project #ET1602)**

This bridge is a continuous steel beam, concrete deck bridge which carries Emerald Parkway over the Scioto River. This structure has a deck area of 65,900 square feet and was built in 1999. The bridge and bridge deck are currently in very good condition. However due to the age of the bridge deck and signs of cracking in the wearing surface, it is recommended to perform a concrete deck overlay to preserve the life of the bridge deck by providing the protection of a new overlay. The deck overlay will prolong the life of the deck and if performed in a semi-routine cycle can extend the anticipated life of the deck past 45 years. That work coupled with the sealing of the expansion joints will help protect the bridge even longer.

Funding in 2020 provides for a 1.5" concrete deck overlay with micro-silica concrete, using hydro-demolition including the approach slabs and the areas of the multi-use paths. Expansion joint work will replace the strip seal expansion material, and include minimal parapet patching and sealing with silane or clear epoxy sealer.



*(Depiction of current deck condition)*

Funding for this project is from the Capital Improvements Tax Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Uncurbed Streets – Mid-Century Neighborhood (Project #ET1603)**

This project provides for updates to Marion Street, Longview Drive, Grandview Drive, and Franklin Street that are currently uncurbed streets. The project would bring these uncurbed streets up to current Dublin standards including enclosing ditches, adding eight-foot wide tree lawns, four foot wide sidewalks, and roadway widening. The Mid-Century neighborhood is located on the west side of S. High Street, south of Historic Dublin.

Funding in 2016 provides for design and funds programmed in 2017 provide for construction and any necessary utility work and landscaping.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **University Boulevard Extension, phase 2 (Project #ET1604)**

This project is the next phase of University Boulevard, south of SR 161. The project provides for extension of 1,375 feet of roadway to support development of the Ohio University (OU) campus. Relocated Eiterman Road will connect with University Boulevard phase 2.

Design of the project is programmed in 2016 with construction and landscaping programmed in 2019.

Funding for this project will be from an advance from the Capital Improvements Tax Fund to be repaid by the OU TIF as funds become available.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Riviera Hyland Croy Connector (Project #ET1605)**

This project provides for a new roadway connecting the Riviera neighborhood site with Hyland Croy Road. This connection was identified in the Traffic Impact Study and a condition of zoning approval. The infrastructure agreement between the City and the Developer has identified this project and also includes turn lanes on Hyland Croy Road. This project also includes installation of a pedestrian crossing system on Avery Road at Memorial Drive. The sanitary sewer component of the project to be completed for this new neighborhood is included in the sanitary sewer non-major projects section of the Capital Improvements Program.

Programming of design and site acquisition is included in 2017 and construction, landscape and costs for any utility relocation is included in 2018.

Funding for this project will be from an advance from the Capital Improvements Tax Fund to be repaid by anticipated service payment revenue from the Riviera TIF.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Bridge Park Roadway System (Project #ET1606)**

This project provides for the construction of Bridge Park Avenue, Mooney, Tuller Ridge Drive, Longshore and Banker Drive in Bridge Park East and N. Riverview St. and High St. in front of 94 N. High St. property (does not include the N. Riverview Street extension to Dublin Road). This project builds a street network in Bridge Street as vacant and underutilized land redevelops. Construction is planned in 2015.

Funding includes a developer reimbursement for construction of the public roadway system. Debt will be issued by the City to fund the project. Repayment of the debt will be made from anticipated Bridge Street TIF service payment revenue.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Bridge Street District Program Management (Project #ET1607)**

This project provides for the management of public infrastructure planning, design and construction. Projects that may be included are John Shields Parkway phase 1, Dale Drive – Tuller Ridge Connector, Riverside Drive Realignment, SR 161/Riverside Drive Roundabout, Scioto River Pedestrian Bridge, Scioto River Park, John Shields Parkway phase 2, Western Road Alignment Study, Scioto River Floodplain Analysis, N. Riverview Street, Rock Cress, Franklin North & High Streets, and other assignments as necessary. Consultant support is provided for peak planning, design and construction periods without hiring permanent staff.

The project costs programmed during the five year period represent estimated management costs based on proposed construction projects.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Bridge Park Public Infrastructure (Project #ET1608)**

As part of the Bridge Park Development and the corresponding Development Agreement with Crawford Hoying (the Developer), this project consists of the construction of two parking structures on the west side of the Scioto River as well as the Phase 1 roadway network.

The parking structures will be located in Block B and Block C of the Development. The Block B parking garage is anticipated to have 851 total spaces, of which 498 are expected to be available for general public use. The Block C parking garage is anticipated to have 869 total spaces, of which 534 are expected to be available for general public use.

The Phase 1 roadway network consists of the following roadways (see Bridge Park Roadway System) Bridge Park Avenue, Tuller Ridge Drive, Mooney Street (between Tuller Ridge Drive and Banker Drive), Longshore Street (between Tuller Ridge Drive and Banker Drive), Banker Drive (between Riverside Drive and Mooney Street), and a portion of North High Street.

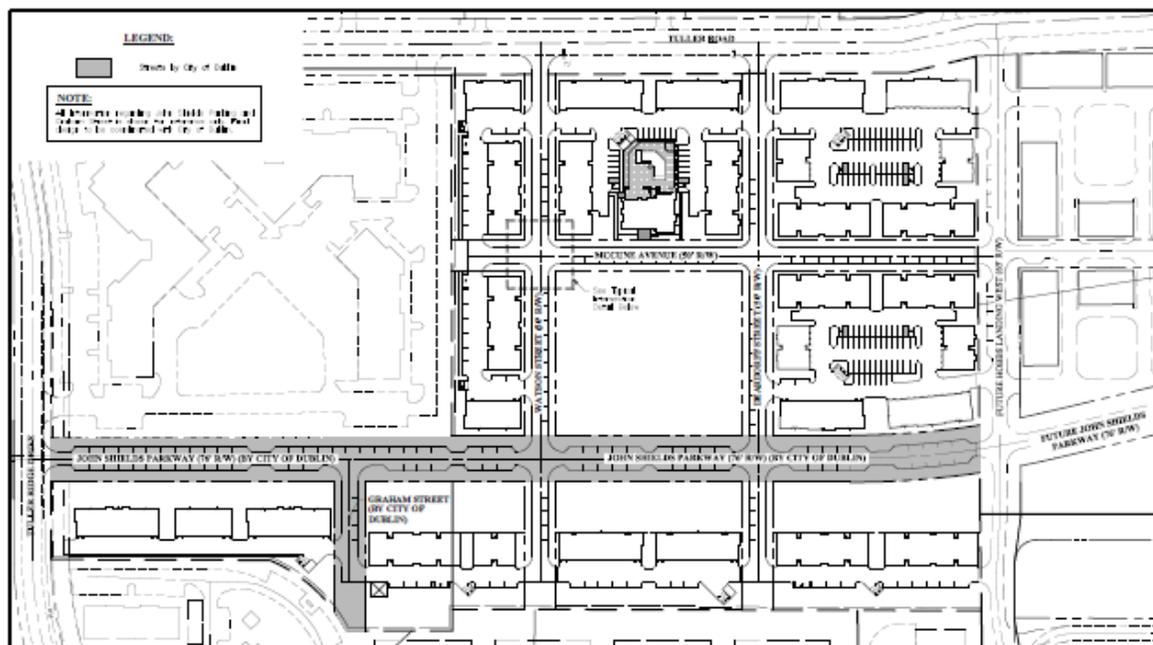
The construction of these public improvements, programmed in 2015, will be funded by bond proceeds with the repayment of the debt coming from TIF revenues received within Blocks B and C of the Bridge Park Development, further backed by a minimum service payment guarantee by the Developer.

## 2016 - 2020 Capital Improvements Program

### Transportation – Major Projects

#### Graham Street – CASTO Tuller Flats Roadway Network (Project #ET1609)

The construction of Graham Street in the CASTO Tuller Flats roadway system. The project area is south of Tuller Road, west of Village Parkway Drive along John Shields Parkway phase 2.



This project satisfies the requirements in the CASTO-Tuller Flats TIF Agreement and subsequent infrastructure agreement which provides for maximum reimbursement amount of \$2,500,000 for McCune Avenue, Watson Street and Deardorf Street. Construction is programmed in 2016.

The construction of these public improvements will be funded by bond proceeds with the repayment of the debt coming from future TIF revenues from Tuller Flats.

## 2016 - 2020 Capital Improvements Program

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### Transportation – Major Projects

#### Historic District CM Library Street Network (Project #ET1610)

This project is the design and construction of the Franklin Street Extension between SR 161 and proposed Rock Cress, North Street between Franklin Street Extension, Rock Cress between Franklin Street Extension and High Street and High Street between SR 161 and Indian Run Drive.

The project is linked to the development of the Columbus Metropolitan Library, Bridge Park West development and is a further advancement of the Bridge Street District roadway network.



Design is programmed in 2015 with construction and utility relocation programmed in 2016. This project will be funded through debt issuance.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Historic District CM Library Parking Deck (Project #ET1611)**

This project provides for a four-story deck parking garage in the Historic District in conjunction with the Columbus Metropolitan (CM) Library's Dublin branch. The Library planned for 210 parking spaces. The City is asking for an additional 200 (plus) spaces to be built at the City's expense. The Library will contribute towards the 210 spaces they had originally planned.

This project is programmed for construction in 2017 and will be funded through debt issuance.

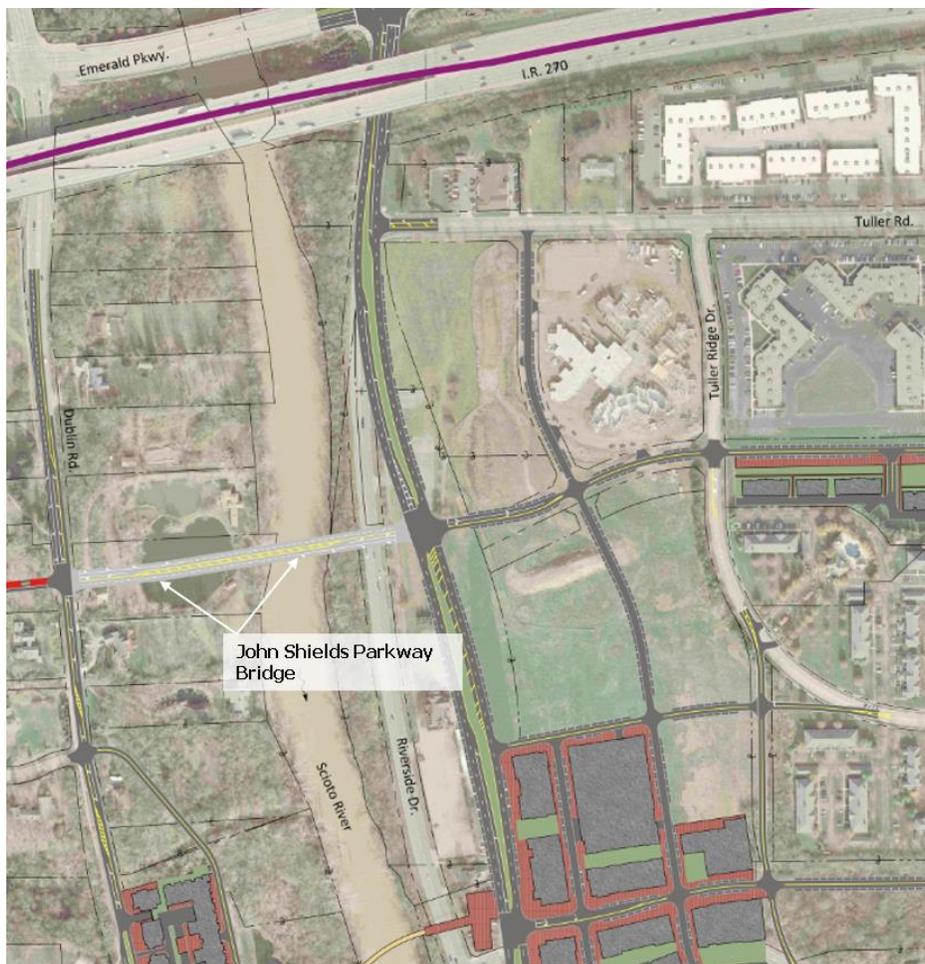
## 2016 - 2020 Capital Improvements Program

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### Transportation – Major Projects

#### John Shields Parkway Bridge over Scioto River (Project #ET1612)

This project provides for construction of a new bridge over the Scioto River. The span is approximately 715 feet long. Site acquisition is programmed in 2020. Design and construction is programmed beyond 2020 with construction estimates in 2021 dollars. Construction of the bridge connects John Shields Parkway on the east side to proposed John Shields Parkway on the west side of the Scioto River.



## 2016 - 2020 Capital Improvements Program

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### Transportation – Major Projects

#### Western Roadway Network Alignment Study (Project #ET1613)

This project is an alignment study for a roadway network in the Bridge Street District, west of the Scioto River. The project will evaluate land use relationships, roadway alignments and key intersections and assist the City in developing a blueprint for implementation of this area proposed transportation network.

The scope of the planning and preliminary effort will focus on evaluation of the zoning districts within the Bridge Street Corridor as shown in the Bridge Street Corridor Zoning Map. The evaluation will be an exploration into each district and how it should develop and advance the definition of roadway character and define the line, grade and typical roadway section that works best to accommodate the anticipated development.

The result will be an understanding of the impacts to property, natural features, utility needs as well as solutions to preserve the character of important features such as Indian Run and Veterans Memorial park when developing the roadway system on the west side of the Scioto River.



Costs of the alignment study is programmed in 2015 to 2016.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **N. Riverview Rehabilitation (Extension) (Project #ET1614)**

This project provides for the construction of N. Riverview Street from the Crawford Hoying property line north to Dublin Road and Indian Run Drive.

Construction is programmed in 2018 to finish the haul road. Design and typology have not been determined. The work may include new granite curbs, asphalt, stone veneer on culvert, and possible parking overlooks.

This project will be funded through debt issuance.



## 2016 - 2020 Capital Improvements Program

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### Transportation – Major Projects

#### **Comprehensive Wayfinding System – Phased City Wide (Project #ET1615)**

This project includes the design and implementation of a comprehensive wayfinding system to be designed as a modular, cost effective, and maintainable program of signs. The system will welcome and guide visitors from “highway to hallway” with an integrated multimodal system of signs to include directional signage (vehicular, pedestrian), integrated mapping system, parking connectivity, and, if authorized traffic control signs. Aesthetically the system design builds on the Dublin brand, the unique architectural and streetscape character of Historic Dublin, and the future Bridge Street District (BSD) streetscape standards. Future sign-types could include: Vehicular Gateways, Bike, and Transit signage.

The Master Sign Plan and key destinations were reviewed in the April 6, 2015 City Council Work Session. The phased plan is as follows:

**Phase 1A:** Bridge Street District — Riverside Drive and 161/Roundabout, John Shields Parkway (Riverside Dr to Village Parkway)

**Phase 1B:** Bridge Street District — (All other areas of BSD outside the phase 1A project limits), and extending beyond BSD to include Riverside Drive North of Tuller Rd to east at Sawmill, and Coffman Park area West of BSD

**Phase 2A-D:** Remaining areas of the city outside Phase 1A + 1B zones

Costs programmed in 2015 include funding for design of overhead boom signage, street guide signs and vehicular traffic control signs for phases 1A and 1B. Construction (fabrication and installation) is programmed in 2016 for phases 1A, and 1B. Allocations were programmed in 2017-2020 for design, engineering and construction to begin phasing other remaining areas of the City.

Funding for this project will be from the Capital Improvements Tax Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Avery-Muirfield Drive/Perimeter Loop/Perimeter Drive (Project #ET0410)**

This project provides for the reconstruction of the intersections from signalized intersections to roundabouts. These projects were identified as future needs when the land to the west of Avery-Muirfield Drive and north of U.S. 33/S.R. 161 was rezoned. The project will provide for construction of two two-lane roundabouts over two construction seasons. The location of the project is Avery-Muirfield Drive at the intersections of Perimeter Loop/Hospital Drive and Perimeter Drive. The project also includes access management near Wendy's/Tim Hortons.

The design for the project was programmed in 2014 to 2015, right-of-way acquisition is programmed in 2019, construction and utilities are programmed in 2020, and landscaping is programmed beyond 2020. More complex landscaping plans for the central islands are expected in this area due to the prominence of the corridor.

This project will be funded through debt issuance and payments from revenue from service payments from the modified Perimeter Center TIF, and if necessary, the Perimeter West TIF.

Included in the prior year costs for the project are the improvements completed at the Avery-Muirfield/Post Road intersection.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Riverside Drive/SR 161 (Project #ET0508)**

This project provides for installation of a multi-lane roundabout with appropriate pedestrian facilities. The southbound bypass lane will be retained. A shared-use path will also be incorporated in the underpass area to provide a north/south connection adjacent to the river. The design of the shared-use path connection on the east side of Riverside Drive, between the intersection and Martin Road, is also included.

The intersection will be partially framed by development as a gateway to Historic Dublin and the Riverside Drive open space. The relocation of Riverside Drive to the east of its existing location will also impact the intersection improvements.

Funding programmed in 2015 includes design, site acquisition, landscaping and construction. Construction is currently underway. Utility relocation is programmed in 2015 and extends into 2016.

The current McKittrick TIF legislation has been modified and in the future will be utilized to fund a portion, or all, of the project to the extent service payments are available.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Sawmill Road/Hard Road (Project #ET0605)**

This project provides additional right turn lanes and modification to the traffic signal. The design has been completed, utility relocation and construction is programmed in 2015. The City has worked with the City of Columbus to acquire needed right-of-way along the east side of Sawmill Road. Dublin staff worked to acquire the necessary land along the west side of Sawmill Road. Restorative landscaping is programmed in 2016.

Originally, as part of the Kroger Centre and Lifetime Fitness development, the developer was required to construct certain improvements to this intersection or reimburse the City for the cost of those improvements. On December 6, 2010, Council approved Ordinance 41-10 authorizing the execution of an agreement for Sawmill Partners Investment Company to transfer an approximately 7.2 acre tract of land (Oak Tree property) in lieu of a cash contribution for the improvements at the intersection of Sawmill Road and Hard Road. This tract of land will preserve an area with a significant stand of trees, including the large oak tree that resulted in Hard Road being relocated prior to its construction to preserve the tree, and will maintain the greenway along Hard Road. This tract of land also abuts Thaddeus Kosciuszko Park and provides for access to the park off of Hard Road instead of Riverside Drive.

The project will be funded by Developer contributions, an advance from the Capital Improvements Tax Fund with repayment from service payment revenue generated from the Lifetime Fitness TIF.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Sawmill Road Third Southbound Lane Addition (Project #ET1616)**

This project consists of working jointly with Columbus to determine the best alternative to add a third southbound lane on Sawmill Road from 270 to Hard Road. Also included are intersection improvements at the Sawmill Road/Bright Road intersection. The number of lanes needed on Bright Road between Sawmill Road and Emerald Parkway will also be examined. This work is necessary now that Emerald Parkway is completed and feeds directly to Bright Road.

A study to determine acceptable alternatives for Dublin is programmed in 2016 with design programmed in 2018, site acquisition, construction, landscaping and utility relocation in 2020.

This project will be funded through debt issuance and payments from the Capital Improvements Tax Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Sawmill Road – Snouffer Road Intersection Improvements (Project #ET1528)**

This project is to evaluate the intersection access at the Sawmill Road and Snouffer road intersection. This intersection is located near the Dublin Village Center shopping center which has been struggling for years. The evaluation is in response to the business community in the area. This evaluation is to determine what, if any modifications to the intersection access and configuration are possible.

Funding for this study is programmed in 2015 from the Capital Improvements Tax Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Hyland-Croy Road/McKitrick Road (Project #ET0809)**

This project will improve an existing two lane county road into a single lane roundabout with curb and gutter, street lights, crosswalks, storm drainage, and landscape. The project will improve vehicular safety as well as pedestrian safety, increase intersection capacity, improve sight visibility, and decrease congestion.

Design and right-of-way acquisition are funded in 2015, and construction and landscaping are funded in 2019.

The developer of Tartan Ridge was required to contribute \$118,125 towards this project. This payment was made in two parts with the final payment received by the City in May 2014.



## 2016 - 2020 Capital Improvements Program

### Transportation – Major Projects

#### I-270/US 33 Interchange Improvements, phase 1 (Project # ET1401)

This project includes phase 1 of the I-270/US 33 interchange rebuild. Initially, this work included the Alternatives refinement to the preferred alternative, environmental clearances and associated preliminary engineering, final design, and some right-of-way acquisition. The project cost below is the total cost shared by all agencies. Construction is currently underway. The contract is being administered by the Ohio Department of Transportation (ODOT).

The Preferred Alternative was announced at an open house/public meeting held on May 16, 2013 and calls for a two-phase solution. Phase 1 of this alternative includes new ramp configurations and the elimination of the four major internal weaves. Also included in this project is the utility burial along Post Road, which is the last piece of the overhead power line between OCLC and Coffman Road. This project will improve safety and traffic flow and add capacity. The second phase of this project is expected to be needed in 10-15 years.

Additional funding will be provided by the Upper Metro TIF. The debt that is anticipated to fund the construction in 2015 is currently programmed to be retired by income tax revenues.

Project Phase	Fiscal Year	Project Funding Sources			
		Dublin (in \$000s)	MORPC (in \$000s)	ODOT (in \$000s)	Total (in \$000s)
Preliminary Engineering	2014	\$2,750		\$1,500	<b>\$4,250</b>
Detailed Design	2014	3,000		4,000	<b>7,000</b>
Right-of-way / Utilities	2014-2015	4,500		8,000	<b>12,500</b>
Construction	2015-2017	10,365	\$25,000	42,000	<b>77,365</b>
Sub-total		<b>20,615</b>	<b>25,000</b>	<b>55,500</b>	<b>101,115</b>
Post Road Utility Burial		173			<b>173</b>
Landscape / Artwork		2,655			<b>2,655</b>
Total		<b>\$23,443</b>	<b>\$25,000</b>	<b>\$55,500</b>	<b>\$103,943</b>



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **I-270 AEP Overhead to underground Crossing (Project #ET1525)**

This project provides for the burial of overhead utility lines on I-270 between US 33 and Rings Road. Three AEP overhead power lines will be removed and replaced with construction of a duct bank under I-270. The power poles on the west side of I-270 are in conflict with the proposed interchange alignment and are required to be relocated.

This work is part of an Economic Development Agreement (EDA) between the City and IGS Energy. Per the EDA, IGS agreed that their buildings would benefit from the burial of the electric utility lines and have agreed to partner in the cost.

Construction is programmed in 2015.

The City's portion of these improvements will be funded by the Thomas Kohler TIF.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **US33/SR 161/Post Road Interchange Improvements (Eiterman Road Roundabout) (Project# ET1102)**

Since the US33/SR 161/Post Road interchange project has been deferred, an allocation has been programmed in 2015 to provide funding for intersection improvements. This project is an interim solution to improve traffic flow in the area while waiting for an opportunity to construct the larger, longer term interchange that is already design. It also will enhance the western entrance into the City.

The construction programmed in 2015 includes the work that the Ohio Department of Transportation (ODOT) has preliminarily approved. This includes: widening Post Road from the southbound off ramp west of the interchange from two lanes to four lanes; a roundabout at the intersection of Post Road and Eiterman Road; with Eiterman Road relocated in its final position as needed when the US33/SR 161/Post Road interchange project is constructed. Utility burial is included in this project. The scheduled completion date of the project is in October 2015.

This project is consistent with the SR 161/Post Road Interchange drawings previously developed. When the future interchange improvements are constructed, the US 33 southbound off-ramp will tie into the northern side of the roundabout at Eiterman Road. Given this project was developed using the design from the interchange upgrade project, extensive modifications to this intersection are not expected to be necessary when the full interchange is built.

Service payments from the Perimeter West TIF is the funding source for this project.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Muirfield Drive and Memorial Drive Alternatives Analysis (Project # ET1521)**

Funding programmed in 2015 provides for an Alternative Analysis study to focus on the intersection at Muirfield Drive and Memorial Drive. The study will evaluate improvement alternatives to address the existing vehicle conflicts at the intersection.

Design is programmed in 2019, site acquisition, construction and utility relocation are reflected beyond 2020.

The funding source for this project is the Capital Improvements Tax Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **SR 161/Hyland-Croy Road (Project #ET1302)**

This project consists of reconstructing the SR 161/Post Road and Hyland-Croy Road intersection to improve average delay and safety. The project provides for a temporary traffic signal at the intersection of SR 161 and Hyland-Croy in advance of the larger, more complex interchange improvements. The project does not include any additional turn lanes, pavement, or other improvements at the intersection.

Design is programmed in 2018, and construction is not currently programmed.

The Perimeter West TIF will be the funding source for this project.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Avery Road/Brand Road Intersection Improvements (Project #ET1406)**

As part of the Tartan West development, a traffic impact study was completed and this intersection was identified for improvement. This intersection will be evaluated to determine the appropriate improvement(s) that will be needed. Two (2) alternatives were identified in the traffic impact study: the installation of a signal, when warranted; or the construction of a modern roundabout.

Funding for a preliminary engineering is planned in 2015, final design and site acquisition in 2016 and construction, utility burial and landscaping is programmed in 2017.

Service payments received from the Tartan West TIF will be the funding source for this project.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **US33/SR 161/Frantz Road intersection (Project #ET1524)**

The intersection is a vital part of the development of the SR161 corridor and the continued development of the Historic District and surrounding areas. This project will initially consider alternatives to the current intersection design to create a safer, more efficient, and pedestrian friendly intersection.

An alternative study is programmed in 2016 and a final design plan is programmed in 2018.

Service payments received from the Upper Metro TIF will be the funding source for this project.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Bikeway Connections/Additions**

##### **Dublin Road south shared-use path (Project #ET1203)**

The final phase, from Rings Road to the Historic District is programmed in 2015. Restorative landscape is also programmed in 2015.

##### **Glick Road shared-use path (Project #ET1204)**

Completion of phase 1 of the Glick Road shared-use path consists of the construction of 3,000 feet of shared-use path on the south side of Glick Road between Davington Drive and Muirfield Drive. One at-grade street crossing, at Caithness Drive is planned. The project includes a cast-in-place concrete retaining wall, an eight feet extension of an existing golf cart/pedestrian tunnel, and relocating a 12-inch water main near the proposed retaining wall. Phase 1 is programmed in 2015.

Phase 3 of of the Glick Road shared-use path consists of construction of 2,200 feet if shared-use path on the south side of Glick Road between Carnoustie Drive and Muirkirk Drive. The project includes a prefabricated bridge over Dear Run. Design is shown in 2015 with site acquisition, construction and utility work programmed in 2016.

##### **Perimeter Drive shared-use path (Project #ET1617)**

The project will design and construct approximately 2,500 feet of eight foot asphalt shared-use path on the north side of Perimeter Drive between Avery-Muirfield Drive and Holt Road. This connection will provide safe pedestrian access along the north side of Perimeter Drive and connects to the overall path system. Final design is programmed in 2015, site acquisition and utility relocation and construction is shown beyond 2020.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Bikeway Connections/Additions** (continued)

##### **Rings Road shared-use path (Project #ET1618)**

This project will design and construct approximately 1,800 feet of eight foot asphalt shared use path along Rings Road on the south side of Rings Road between Frantz Road and Dublin Road. The project will also add curb and gutter to the south edge of existing pavement which allows the project to minimally impact existing trees and properties. Design is programmed in 2015, site acquisition in 2016 and construction and landscape in 2017. It is anticipated that the Rings/Frantz TIF will be the funding source for this project.

##### **Riverside Drive East shared-use path (Project #ET1619)**

This project will design and construct approximately 8,400 feet of eight foot asphalt shared-use path along Riverside Drive and 650 feet of asphalt path along Summit View Road. The project location is east of Riverside Drive between Emerald Parkway and Summit View Road and along the north side of Summit View Road from Riverside Drive to Wedgewood Park. Design is programmed in 2016 with construction reflected beyond 2020.

##### **Shier Rings Road shared-use path (Project #ET1620)**

This project will design and construct approximately 2,175 feet of eight foot asphalt shared use path along Shier Rings Road. The project is located on the south side of Shier rings road between Cosgray Road and just west of Eiterman Road. Design is programmed in 2017, site acquisition in 2018, and construction in 2019.



## **2016 - 2020 Capital Improvements Program**

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### **Transportation – Major Projects**

#### **Bikeway Connections/Additions** (continued)

##### **Concord Road (Project #ET1621)**

This project constructs approximately 1,600 feet of shared use path along the east side of Concord Road. The project location is Concord Road north of Glick Road to the existing path near Palmer Court. Staff is coordinating with Delaware County and Concord Township, as only 600 feet of the path is in Dublin. This will provide a connection from Glick Road north to the Eli Penney Elementary School. Many residents have requested this connection. Concord Township has pledged \$100,000 to construction of this connection. Design is programmed in 2015, site acquisition and utility work is planned in 2016, and construction and landscape is programmed 2017.



## **2016 - 2020 Capital Improvements Program**

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### **Parks – Major Projects**

#### **Darree Fields Development (Project #GR9901)**

This project includes the development of the park in accordance with the completed Master Plan. Funds in 2015 provide for construction of a 119-car parking lot expansion, re-grading approximately one and one half soccer fields, and all associated storm water related improvements. Funds programmed in 2016 provide for design and construction of shade structures for the dog park. Funding beyond 2020 provides for two additional ball field & lighting with associated walks, parking lot, site furnishings and associated landscaping.

The completion of the park master plan is shown beyond 2020.



## **2016 - 2020 Capital Improvements Program**

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### **Parks – Major Projects**

#### **Amberleigh Community Park (Project #GR9903)**

The City acquired approximately 12 acres of riverfront property in 1997 and, as part of the Amberleigh North residential development, the developer dedicated approximately 11 acres of riverfront property to the City. The two tracts of land combine to provide a community scale park along the Scioto River.

Amberleigh Community Park provides access to the Scioto River and surrounding natural areas. Master planning for the park was completed in 2001. The Master Plan provides potential homeowners with information on the plans for future development.

Funding in 2013 and 2014 included design and construction for stairs to the Scioto River along with a canoe/kayak launch, a pedestrian bridge and associated sidewalks, river overlook, mulch paths and landscaping.

Funding programmed in 2020 includes design of a half basketball court, shelter, parking lot and boardwalk/pier. Funding is not programmed in the five year period for construction of these amenities, but once completed, will mark the completion of the Amberleigh Park Master Plan.



## **2016 - 2020 Capital Improvements Program**

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### **Parks – Major Projects**

#### **Emerald Fields (N.E. Quad Park) (Project #GR9904)**

This project provides for the development of the park in accordance with the completed Master Plan. Work completed in the park includes the neighborhood park component, lacrosse/cricket fields, three ball diamonds, a universally accessible playground, maintenance facility, two restroom facilities, and internal multi-use paths, landscaping, and associated parking lots.

Funding in 2016 includes design of lighted baseball courts and a small shelter house to be constructed in 2017.

The development of these courts will complete the park and make it a destination facility.



## **2016 - 2020 Capital Improvements Program**

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### **Parks – Major Projects**

#### **Coffman Park Expansion (Project #GR9902)**

City Council adopted a policy to acquire the properties along Post Road from 6124 Post Road east to existing Coffman Park to create a scenic “central” park for the City. The Coffman Park Expansion Plan Task Force (the Task Force) was created by City Council in 2002 to assist with this project. The Task Force considered a wide range of optional park expansion ideas and formulated and compiled its recommendations and concept plans into the Coffman Park Expansion Task Force Report. The Task Force Report was reviewed and adopted by City Council on November 3, 2003.

The final property identified to expand Coffman Park was acquired in early 2009. The funding programmed in 2010 provided for an analysis of potential phasing of the elements identified in the Task Force Report and preliminary cost estimates. This information was necessary to evaluate the timing and amount of funding needed to begin future development. In 2010, staff revisited the plan for Coffman Park to verify original assumptions and update it for current conditions.

Funds programmed in 2015 provide for a partial parking lot at the Justice Center park area, parking lot along Commerce Parkway, boulder field, landscaping, restroom facilities in the new hard court area and new skate park with lighting. 2016 funding provides for design of the areas to be constructed in 2017. That includes construction of new hard courts, demolition of the old hard courts, balance of the hard court parking lot, landscaping, court lighting and possibly platform tennis. Funds beyond 2020 include the balance of the Coffman Park Master Plan including a Japanese Garden at Nyrop, a potential amphitheater, additional shelter houses, additional walks and landscaping.



## **2016 - 2020 Capital Improvements Program**

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### **Parks – Major Projects**

#### **Holder-Wright Farm and Earthworks (Project #GR1114)**

This park is situated on an important archeological and historical site. The plan for Holder-Wright Park will preserve and showcase the ancient earthworks, farm house and natural features that are a significant part of Dublin's history. Funding includes preservation/enhancement of Native American mounds, a path system, house preservation, parking lot and associated site amenities.

Funding in 2015 is for design with construction planned in 2016 for a restroom facility, parking lot with entry drive, utility extension, pedestrian bridge, visitor orientation area, shared-use path from Emerald Parkway to parking lot, and internal compacted gravel pedestrian paths. Funding beyond 2020 includes funds for design for future restoration of earthworks, interpretive signage and outdoor demonstration garden, shelter, overhead utility burial, and driveway removal for completion of the parks master plan (assuming acquisition of the neighboring land tract).

## 2016 - 2020 Capital Improvements Program

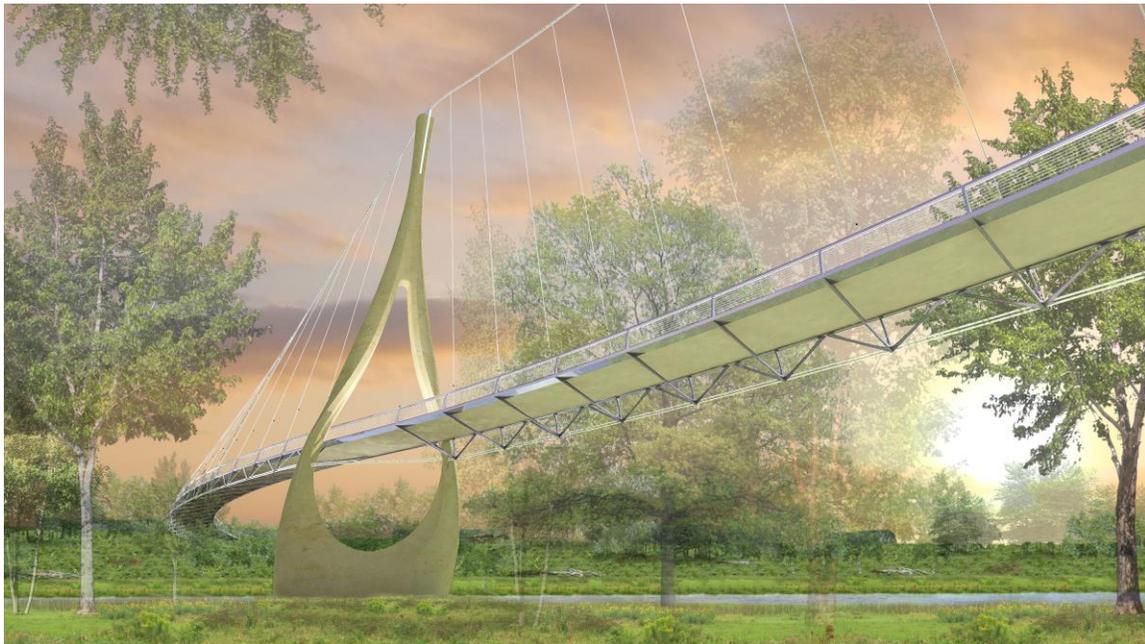
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### Parks – Major Projects

#### Scioto River Pedestrian Bridge (Project #GR1302)

This project provides for the design, land acquisition and construction of an iconic pedestrian bridge over the Scioto River to provide connectivity of the future Riverside Park on the east side of the river as well as adjacent commercial/residential developments to Historic Dublin. The pedestrian bridge will also serve as an iconic symbol of the emerging new city core.

Design is programmed in 2015 and construction funding is programmed in 2017.



This project will be funded through general obligation debt that will be issued.



## **2016 - 2020 Capital Improvements Program**

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### **Parks – Major Projects**

#### **Riverside Park (Project #GR1303)**

Based on the Scioto River Corridor Framework Plan, this project provides for the construction of a new central park on both sides of the Scioto River. The park will link to other regional parks and recreational systems through potential bicycle/pedestrian facilities, and canoe/kayak access points. The west side of the park is envisioned as a naturalized area with connections to the Indian Run greenway, water access, and trail systems. The east side of the park will feature areas to allow for assembly space, restroom/pavilion, extensive paths and landscaping, site lighting and river overlooks.

Vehicular access, steep riverside slopes, and the consideration of existing structures are key drivers of design, as well as maintaining flexibility for future programming for residents of the Bridge Street District. Timing of any given phase of the project is subject to change based upon other associated project completions (i.e. the Scioto River Pedestrian Bridge, Riverside Drive realignment, 94-100 N. High Street redevelopment).

2016 funding provides for design and construction of base grading and seeding of the east side of the park. On the west side there will be construction of a haul road to provide needed construction access. This includes a vehicular rated bridge over the Indian Run that in later phases will be finished with stone veneer.

Funding in 2017 through 2020 reflects design fees and construction costs associated with the extension of Dublin Spring Park, on the west side of the Scioto River, north to the Indian Run Creek, which includes new Dublin Spring access stairs, a network of nature trails, a small 10-20 car parking lot, canoe launch, pedestrian foot bridges, boardwalk, site amenities and landscaping; creation of a new civic plaza on the west side of the Scioto River in the area immediately adjacent to the future pedestrian bridge landing between two newly redeveloped buildings; development of a new community park on the east side of the Scioto River, which includes the future pedestrian bridge landing plaza, a programmable pavilion with comfort stations, performance shelter, potential ice skating rink, picnic areas, shared use paths, walks, three river overlooks, canoe launch, event lawn, retaining walls, landscaping and site amenities. Funds shown beyond 2020 reflects programming for the design and construction of the east landing of the John Shields bridge that includes climbing walls (both natural and artificial), paths down to, and along the river on the east side.

This project will be funded through general obligation debt that will be issued.



## 2016 - 2020 Capital Improvements Program

### City Manager's Office – Major Projects

#### Parkland Acquisition (Project #AL1602)

The amount programmed is based on estimated revenue in the Parkland Acquisition Fund. The majority of the revenue credited to this fund is from property tax revenue generated from the City's inside millage. The property tax revenue from the City's inside millage (1.75 mills) was allocated 100 percent to the Parkland Acquisition Fund from 2001-2006. Beginning in 2007, the City began allocating .95 mills of the total 1.75 mills to the Parkland Acquisition Fund and the remaining .80 mills was allocated to the Capital Improvements Tax Fund. In 2010, the City began allocating 1.4 mills to the Capital Improvements Tax Fund and the remaining .35 mills to the Parkland Acquisition Fund. Although this allocation is reviewed and can be changed annually, as part of the 2013 – 2017 CIP, Council approved the current allocation through 2017.

The funding in the Parkland Acquisition Fund can be used for the acquisition of parkland, open space and/or sites for recreational facilities. Prior to the acquisition of land, legislation authorizing the acquisition is required to be adopted by City Council.

The funding programmed also provides for the City's annual commitment of \$385,000 to the Franklin County Metropolitan Park District and the annual debt service payments on the debt issued to acquire the land for the expansion of Coffman Park. The final debt service payment for the expansion of Coffman Park will be made in 2020 and the final payment to the Metro Parks is scheduled to be made in 2017.

The following provides a recap of estimated revenues available less committed obligations:

	2016	2017	2018	2019	2020
Estimated revenue	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000
Less:					
Payment to Metro Parks	(385,000)	(385,000)	---	---	---
Debt service	(236,700)	(238,820)	(239,540)	(240,520)	(207,000)
Estimated balance available	\$28,300	\$26,180	\$410,460	\$409,480	\$443,000

As discussed in previous years, staff is recommending that the Parkland Acquisition Fund be utilized to acquire rights-of-way and/or easements for bikepath connections.



## **2016 - 2020 Capital Improvements Program**

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### **Sanitary Sewer System-Major Projects**

#### **Sewer Lining and Repair (Project #ES0701)**

The funds allocated will allow for the repair and lining of the sanitary sewer lines in Dublin. The lining of the City's clay & concrete pipe will reduce inflow and infiltration (I and I) of water in the sanitary sewer system. Sewer lining repairs the integrity of the pipe system and reduces the amount of I and I entering the system via the main lines.

The future schedule for the repair and lining of the main sewer lines will be based on the guidelines and/or requirements established by the Ohio EPA.

The scope of work will be dictated based on the results of the Sanitary Sewer Evaluation Study (SSES) required from the "Director's Final Findings and Orders" issued by the Ohio Environmental Protection Agency (OEPA).

Funds programmed in 2018 is to continue the lining of the Deer Run and North Fork Indian Run sewer sheds comprising of nearly 32, 410 linear feet of 8"-15" sanitary sewer, encompassing the following subdivision areas: Muirfield Village Section's 1, 23, and 36, Moors at Muirfield, Muirfield Greene, Lochslee Condo's, Muirfield Square, Berkshire Commons, Muirfield Association Office/ South Pool.

The funding programmed beyond 2020 is for sewer lining and repair in the Deer Run and North Fork Indian Run sheds to continue to aggressively eliminate the inflow and infiltration sooner in the sewer system.

The project is funded from the Sewer Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Sanitary Sewer System-Major Projects**

#### **Sewer Line Extensions ((Project #ES1602)**

This project will provide sewer extensions to areas that need direct access to the public sanitary sewer system. Funds have been programmed in the five year period to systematically provide access to the public sanitary sewer system based on inspection data and evaluation provided by the Franklin County Board of Health as well as Council policy.

The project is funded from the Sewer Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Sanitary Sewer System-Major Projects**

#### **Deer Run Sewer Upsizing ((Project #ES1603)**

This project will provide upsizing of an existing 10" & 12" sanitary sewer line to a 15" sanitary sewer line, Macewan Court into Muirfield Village Golf Course, and another upsizing of an existing 8" sanitary sewer line to a 12" sanitary sewer line across Muirfield Drive between Springburn Drive and Locherbie Court.

Funding for studies and design are programmed in 2015 with construction programmed in 2016.

The project is funded from the Sewer Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Water Distribution System - Major Projects**

#### **Rings Road Waterline (Project # EW1101)**

This project provides for the installation of a 16 inch waterline from Eiterman Road to Bonanza Lane in the north right-of-way. This will create an additional main loop in the water distribution system to maintain pressures and fire flows in the southwest area. Design and site acquisition is programmed in 2016 with construction programmed to be completed in 2017.

The funding source for the project will be the Water Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Water Distribution System - Major Projects**

#### **Water Line Extensions (Project #EW1601)**

This project will provide water extensions to areas that need direct access to the public water system. Funds have been programmed in the five year period to systematically provide access to the public water system based on inspection data and evaluation provided by the Franklin County Board of Health as well as Council policy.

The funding source for the project will be the Water Fund.



## **2016 - 2020 Capital Improvements Program**

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### **Water Distribution System - Major Projects**

#### **Tuswell Drive Waterline (Project #EW1602)**

This project provides for design and construction of approximately 525 feet of 12" waterline on the north side of Tuswell Drive between east of Kendall Ridge Loop and Avery Road. Based on the 2008 agreement between the City and the Stonehenge Company, the City needs to relocate this water line from the old Tuswell Drive right-of-way to the new roadway alignment. This will allow the old right-of-way to be vacated for adding land to a future development at the northwest corner of Tuswell Drive and Avery Road. Final design is planned for 2017 with construction and utility coordination planned for 2018.

The funding source for the project will be the Water Fund.



## 2016 - 2020 Capital Improvements Program

### Stormwater System - Major Projects

#### Stormwater Improvements (Project #EF0201)

Funding over the next five years has been programmed for various improvement needs identified in the updated Stormwater Master Plan completed by Camp, Dresser & McKee (CDM) (2009). The following project costs have been estimated:

Year	Project Name	Project Description	Engineering Cost	Construction Cost	Total Cost
2014/2015	Blazer Pkwy/Frantz Rd/Waterford Village*	Increase pipe capacity in the neighborhood to minimize flooding potential	\$55,000 (2014)	\$355,000 (2015)	\$410,000
2015	Stonewall Ct Improvements*	Reduce roadway flooding with additional storm sewer	\$20,000 (esmt \$25,000) (2014)	\$115,000 (2015)	\$160,000
2016/2017	Limerick Lane Improvements	Install new 12" to 24" pipe under Dublin Road, along Limerick Lane & under Bellaire Ave.	\$50,000 (2016)	\$455,000 (2017)	\$505,000
2017/2018	Hirth Wolpert Creek Watershed Improvements	New 4x10 box culver at Chatterfield Dr	\$35,000 (2017)	\$245,000 (2018)	\$280,000
2018/2019	May Apple and Tamarisk Creek Improvements	Replace 15" & 18" with 18", 21" & 24" near Red Bay Ct., Tonti Dr., & Tamarisk Ct.	\$55,000 (2018)	\$385,000 (2019)	\$440,000
2019/2020	Hawk's Nest Improvements	Install new 12" pipe to drain 7422 Avery Road	\$20,000 (2019) \$10,000 Esmt.	\$100,000 (2020)	\$120,000
2019/2020	Glencree Place Improvements	Install 450 L.F. of 12" pipe & Structures	\$45,000 (2019) \$20,000 Esmt.	\$310,000 (2020)	\$355,000



## **2016 - 2020 Capital Improvements Program**

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### **Stormwater System - Major Projects**

#### **Stormwater Improvements (Project #EF0201)**

(continued)

The projects with a \* were selected as the modeling analysis indicated that the system may have issues during a five (5) year rain event. A five year rain event is fairly frequent and is what the City uses to design the storm sewer system. Several of these projects were identified in the Stormwater Master Plan modeling and the issues at these sites occur on a frequent basis.

The remaining projects were identified by the modeling analysis as areas where the system may have issues during a 100 year rain event. This is an infrequent event and allows the implementation of improvements to be as funding allows. Several of the projects were also identified in the original Stormwater Master Plan.

We have separated the design and construction into two years so that the appropriate interaction can occur with the neighborhoods effected by this improvements. Easements will be needed for several of the projects as well.



## **2016 - 2020 Capital Improvements Program**

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### **Facilities – Major Projects**

#### **Municipal Facilities (Project #AB0601)**

Based on past City Council goals and recommendations included in the adopted Community Plan, the site for a future Municipal Building has been acquired. The annual debt service payments on the debt issued to acquire the site is programmed in the Parkland Acquisition Fund.

Funds programmed in 2015 provide for major renovations to the Justice Center including a two story addition and an expansion of the Communications area. Construction is expected to begin in late summer/early fall of 2015. Expansion is necessary to support the growth of the City and for providing dispatching services to other entities. The cost of this expansion will be taken into consideration when determining the rates charged to participating entities for dispatching services. Funding is also included for a basement “shell” with potential funding for build-out of the basement beyond 2020 as space is needed.

Funds included in 2016 are for renovations to the 5800 Building on Shier Rings Road. Funding includes an improved entry area that will improve way-finding in the building, paint, and carpet replacement. Funding is also included to replace existing furniture.

Funds are programmed in 2016 for a two story addition to the southeast corner of the existing Service Center building on Shier Rings Road. The addition includes approximately 12,365 square feet of new space and 8,000 square feet of minor renovations. Funding in 2017 includes a larger capacity salt barn to be constructed in the Service Center complex.

Funding is included in 2016 for the Dublin Community Recreation Center (DCRC) for skylight replacements in the pool area, fitness area, and entry corridor and roof pyramid of the Dublin Community Recreation Center (DCRC). Also included is funding to replace the flat roof and shingle roof of the building. Funds are also programmed in 2016 to renovate the competition pool LED lighting, slot drains, and wall tile.



## **2016 - 2020 Capital Improvements Program**

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### **Information Technology – Major Projects**

#### **Computer Hardware and Software (Project #AI1601)**

The annual requests reflect the Five-Year Technology Strategic Plan that has been developed by the Department of Information Technology. Detailed project listings for 2016 are attached.

The Technology CIP report reflects the projects required to address maintenance and enhancements, account for expansion of resources and emerging technologies, and to advance requests for new solutions. Projects are aligned with departmental goals and those of City Council; fiscal health and economic vitality; livable, sustainable and safe; civic engagement; public services and infrastructure; and smart, customer-focused government.

Following are some of the projects planned for 2016:

- **Cityworks Work Order / Service Request Enhancements: \$15, 000**  
The upgrade to the Cityworks work order Web System in 2014 paved the way for completing work orders in the field. Today, a number of divisions are successfully utilizing the mobile application for Cityworks. In 2016 we anticipate an increase in users, and continued improvements to the application. Mobility in the field improves staff productivity, efficiency and work order accuracy.
- **Enhance Document Imaging, Upgrade to RIO \$24,000**  
The RIO upgrade, provides scalability, performance benefits and more options for customization. Document imaging applications have grown rapidly as the processing efficiencies, ease of information access and enhanced work flow have been realized by a variety of City divisions
- **Collaboration Technology \$50,000**  
Implement voice and video conferencing solutions to enable interactive meetings and conferences.
- **Adobe Software Licenses \$10,000**  
Adobe products are utilized throughout the city and new licenses and training are requested each year.
- **Citywide Wi-Fi / Broadband enhanced utilization \$35,000**  
Expanding the use of our citywide Wi-Fi / Broadband infrastructure is a continuous effort. High speed wireless connectivity to our city network opens up numerous areas for us to improve our efficiency, safety, and enhance our customer service. These funds allow us to install traffic cameras; provide a means to deploy cameras in areas that see spikes in criminal activity; additional traffic control communication; camera deployment for intersection observation; monitoring of equipment sensors; and coordinate fiber uses with other entities. These funds will also support the communication needs of our increasing mobile workforce.
- **Network Management/Security Upgrades \$25,000**  
Network monitoring tools, security appliances, software licensing, etc.
- **Network Connectivity \$45,000**  
To supply fiber or wireless connection to key remote buildings, facilities, and traffic signals, enabling a variety of technology use that would be otherwise disconnected.

- **Server Hardware Upgrades and Network Storage Upgrades \$35,000/\$40,000**

Our use of virtual servers rather than physical systems has been very successful. Allowing us to more readily respond to expanding needs and be more environmentally friendly. Keeping this environment at the most optimal level is a continual effort

**Storage Upgrades:**

  - This is needed each year due to the ever increasing disk space needs and processing for new and upgraded applications. Base requirements increase every year.
  - This allows us to remain current on our applications and meet the requirements to perform eligible upgrades
  - This will allow us to accommodate increasing storage and backup needs.
  - We can add disk storage to keep short term backups and store files for our applications and customers.
  - These enhancements will allow us to cooperate in joint ventures with other entities for items such as backup planning, remote connectivity, possible disaster recovery sites, radio communication, 911 backups, etc.
- **Virtual, Voice, Mobile Applications \$25,000**

Includes Upgrades and enhancements to telephone software and mobile device capabilities for laptops, phones and tablets to enhance end user computing without a desktop product. Our IP phone applications need this for software upgrades.
- **Security Cameras \$10,000**

Storage, Licensing and Connectivity costs associated with the addition and implementation of security cameras though out the city.
- **Camera Recording Solution \$40,000**

Improvements to our current recording solution to ensure uptime, and enable additions of security cameras without impact on the recording storage and performance.
- **Microsoft Enterprise Agreement/Licensing \$120,000. [MOVED to OPERATING in 2016]**

The Microsoft operating system, Office Suite (Servers, Word, Excel, Access, Outlook, Windows, Visio, PowerPoint, Project, and other Microsoft applications) are licensed yearly for all of the city's user accounts. Office 365, our online suite of collaborative products is now included in this line item, replacing the previous Email Suite. Every time we grow, this cost gets impacted. It affects servers, applications, users, etc.
- **Infrastructure Changes for Regional Agencies \$10,000**

As we add dispatching agencies, we have virtual private network hardware that needs to be purchased to establish secure connectivity to the agencies.
- **Communications Tools: Digital Signage and Monitors \$15,000**

Additional Monitors and Licenses planned for 2016. This solution is used in conjunction with Large Screen Monitors to display important City information for internal staff (i.e., City news, HBC requirements, deadlines for paperwork, upcoming events, etc.) The solution provides

an easy method for managing the content, and allows multiple messages from multiple sources to display.

- **GIS Enhancement / Data Warehousing \$25,000**

This budget item is to allow for maintaining a high standard and performing upgrades to our enterprise GIS server architecture. This includes our data storage system, data modeling, data analysis through server based geo-processing and data dissemination (web GIS). New areas it will help us address are street networking, routing, AVL data processing (to be used by Emergency Services, Streets and Utilities, Community Relations and the public) and 3D data analysis/presentation (used by LULRP, Engineering and the public). We also intend to create efficiencies by creating links between GIS and other enterprise data.

- **Aerial Photography for GIS \$40,000**



With the continued growth and aging of our City, aerial photography linked to GIS mapping provides a tremendous analytical tool for LU & LRP, Engineering, Streets & Utilities, Parks, Police and Finance.

Planning uses digital aerial photography on a daily basis to analyze development sites and to illustrate field conditions. This data is also used to track the status of development over time by comparing orthophotography

flown in different years. This digital photography is also useful for Code Enforcement as well to establish certain dates of violations.

- **Mobile (smartphone/tablet) Applications \$10,000**

The use of applications to enhance the processing of our mobile workforce and to increase citizen access to information and their ability to transact business with the City is an ongoing effort.

- **PC Replacement \$75,000**

Our PC rotation plan is to replace our staff PC equipment when it is 3 - 4 years old. Requests have been made for additional PC's in 2015.

- **Printer Replacement \$65,000**

Printers are replaced, based on service call analysis and usage.

- **Mobile Devices \$50,000**

City Departments are embracing the concept of the mobile workforce to increase efficiency and effectiveness in their areas. The purchase of mobile devices and replacement devices will remain constant over the next few years, as we roll out the technology to those areas committed to the adoption of the mobile office.

- **Mobile Device Replacements \$40,000**  
With the addition of mobile devices for our workforce, we anticipate the need for replacement devices due to age, wear and tear, and damage.
- **HR/Payroll Solution Enhancements: \$10,000**  
Implementation of a new HR and Payroll solution began in 2015. Add on modules, custom reports or other advancements may be required in 2016. The new solution will improve processing efficiencies and information consistency with the associated Payroll and HR activities. Improved functionality includes: Employee and manager self-service and access to their information, Consistent application of policies thereby reducing compliance risks, Direct integration with the time and attendance system, Integration and collaboration with HR processes, Current application and hardware technology for a long term solution.
- **Training Technology \$7,500**  
Technology to enable citywide training needs. Laptops and training related software.
- **Electronic Plan Review Utilization (Planning and Building Stds) \$30,000**  
Implementation of EPlan began in 2012 for the plan review services area. In 2015 and 2016 they will continue to refine processes, roll out advanced uses and incorporate other work units to the process.
- **PEZ/Avolve Workflow License and Laserfishe Connector \$15,000**  
For Planning Engineering and Zoning, Workflow for Eplan License, as well as Interface to Laserfishe license for document storage.
- **Customer Service Web Enhancements (Planning and Building Stds) \$30,000**  
For Planning and Building Standards; Enhancements and improvements to the Gov Now Web site for customer online services.
- **Contract Management Solution to Integrate with new ERP \$7500**  
To provide contract management workflow functionality in conjunction with new Finance ERP system.
- **Finance ERP Solution Enhancements \$10,000**  
Implementation of a new Finance ERP solution began in 2015. Add on modules, custom reports or other advancements may be required in 2016. The integrated Enterprise Resource Planning (ERP) System will support Dublin's staff in the delivery of City of Dublin services and activities, take advantage of best practices, and significantly improve the efficiency and effectiveness of Dublin's administrative processes. Particularly in the areas of Accounts Payable, Bank Reconciliation, Budgeting, Cash Management/Receipting, Fixed Assets, General Ledger, Billing and A/R.
- **Kronos Time and Attendance \$10,000**  
The city moved to Kronos Time and Attendance in 2014. Add on modules, additional licenses, or customized solutions may be required in 2016, as the organization has had a couple of years to identify needed improvements.

- **Police Division technology**

- **Police Records/Dispatch Enhancements \$20,000**

- In 2014/2015, the Police Records/Dispatch/Mobile and Reporting systems were upgraded to with the latest version, moving to a different technology platform. Expanded and enhanced use is expected in 2016.

- **Mobile Computers Upgrade \$50,000**

- Laptops assigned to front line cruisers are in use between 16 and 24 hours every day. In addition, these units are taken in and out of the cruiser several times a day to take incident and crash reports in the field. Every officer relies on these units for dispatching data, criminal history data and to take all incidents and crash reports as those processes are paperless. A plan to replace half of these systems every other year is proposed.

- **Cruiser mounts/console equipment \$20,000**

- These funds are used for replacement of the electronics and physical docking stations that hold the laptop computer in the trunk of a cruiser and remote the screen and keyboard functions for use by the officer.

- **Relationship Analytics Software \$15,000**

- Used to identify relationships between crimes and perpetrators, in order to predict, prevent and disrupt criminal activities.

- **Mobile Vision Car Cams upgrade to 8 vehicles \$50,000**

- Eight of the cruiser camera systems deployed in front line police units will be at end of support by 2017 and need to be replaced. These units have been in service since 2008.

- **Building Renovation Hardware \$65,000**

- Workstations, phones, printers, video cameras for the new facility addition.

- **Regional Dispatching Records Interfacing and connectivity \$10,000**

- With the continued efforts to partner with other agencies on technology projects, it will be necessary to ensure connectivity between our partners and the Dublin data center. Although the partner agencies will bear the cost of this connectivity, these funds will ensure that we will be able to accept those connections efficiently and effectively. It is expected that these costs will be recovered through the contract terms executed with each partner agency.

- **Enhance Sewer Inspection technology \$20,000**

- Improve/replace video inspection system for water and sewer infrastructure.

- **Renovation Hardware/Connectivity Needs \$10,000**  
To support expected renovations performed at city facilities.
- **Ward Fuel Point of Sale System \$15, 200**  
To enable credit card sales at CNG terminal.
- **Enhancements to CNG Monitoring Tools/Connectivity \$40,000**  
Expanded monitoring system for CNG infrastructure.
- **Data Analytics/Business Intelligence Solution \$10,000**  
To enable analysis of infrastructure asset conditions and history.
- **Signal Timing Database Solution Replacement \$55,000**  
The current version of the ACTRA software is about 15 years old and is ready for an upgrade. The current software is not compatible with the City's current operating system.
- **Traffic Signal Communication \$15,000**  
Enabling more traffic signal communication to control and monitor intersections is desired for 2016.
- **Engineering Project Management Solution \$25,000**  
Desired to help manage and report on multiple engineering projects, to increase consistency and provide meaningful analysis.
- **Customer Service /Registration/Outdoor pools/Camps technology enhancements \$35,000**  
Recreation Services uses the RecTrac and WebTrac applications (from Vermont Systems) to process all programs, memberships, registrations, sales and reporting at the Rec Center and Remote Locations. Regular upgrades/updates to both software and hardware allow us to keep current and provide a good customer experience. We anticipate an upgrade to the Web based version of the product in 2016.
- **Chip and Pin Credit Card Scanners \$15,000**  
Required to maintain our PCI (Credit Card Industry) compliance. The City will be required to replace all of its card readers by the end of 2016.

**Information Technology 5 Year Budget Plan**  
2016 - 2020 (Project #A11601)



<u>Dept / Div</u>	<u>2016</u>	<u>2017</u>
<b>Citywide</b>	Cityworks Work Order/Service Request enhancements \$15,000 Enhance Document Imaging Upgrade to RIO \$24,000 Collaboration Technology \$50,000 Adobe Acrobat Licenses \$10,000 Clarity Soft Contact Mgt Enhancements \$5,000 Citywide WiFi/Broadband enhanced utilization \$35,000 Network Management/security upgrade \$25,000 Network connectivity-(water towers/traffic signals, other) \$45,000 Server upgrades to virtual and storage upgrades \$35,000 Virtual Desktops/mobiles/voice \$25,000 Security cameras \$10,000 Camera Recording Solution \$40,000 PC's operating systems/office suite/Email \$0 Network Storage Upgrades \$40,000 Infrastructure Changes for regional agencies \$10,000 Communications (Monitors/Licenses for supporting appli \$15,000 GIS Enhancement/data warehousing \$25,000 Aerial Photos \$40,000 Mobile Smartphone/Tablet Applications \$10,000 PC replacement \$75,000 Printers \$65,000 Monitors, cabling, computer peripheral equipment \$50,000 Mobile Devices to enable workforce mobility \$50,000 Mobile Device Replacements \$40,000 Conference Room Equipment \$10,000 Misc. hardware/software \$25,000	Cityworks Work Order/Service Request Enhancer \$5,000 Document Scanning/Mgt Enhancements \$7,500 IVR Enhancements \$10,000 Adobe Acrobat Licenses \$10,000 Citywide WiFi/Broadband enhanced utilization \$35,000 Network Management/security upgrade \$25,000 Network connection-water towers/traffic signals \$45,000 Server upgrades to virtual and storage upgrades \$35,000 Virtual Desktops/mobiles/voice \$25,000 Security cameras \$5,000 Network Storage Upgrades \$40,000 Infrastructure Changes for regional agencies \$10,000 Communications (monitors/licenses) \$20,000 GIS Enhancement/data warehousing \$25,000 Aerial Photos \$50,000 Mobile Smartphone/Tablet Applications \$10,000 PC replacement \$75,000 Printers \$50,000 Monitors, cabling, additional phone equipment \$15,000 Mobile Devices to enable workforce mobility \$50,000 Mobile Device Replacements \$50,000 Conference Room Equipment \$10,000 Misc. hardware/software \$25,000
<b>OCM</b>		
<b>Court Services</b>	Court Technology Enhancements \$2,500	Records Mgmt enhancement \$10,000
<b>Community Rel</b>	Internet/Intranet/Community Rel systems \$10,000	Enhance Internet/Intranet/CR \$15,000
<b>Human Res</b>	Enhancements to HR ERP System \$10,000 Training Technology \$7,500	HR management system enhancements \$10,000 Training Technology \$15,000
<b>Bldg Stds</b>	Eplan Utilization/Enhancements/ Plan review Monitors \$20,000 Field Printers for inspectors x 7 \$2,500 Customer Service Web Expansion \$20,000 BP Mobile Licenses x 5 \$7,000	Eplan Utilization/Enhancements/ Plan review Mo \$7,500 Permitting/Inspection/Review system \$75,000 Front Lobby Expansion Hardware/Cabling \$10,000
<b>Economic Dev</b>	Turning Point/Presentation Devices \$1,500	
<b>Planning</b>	Eplan Utilization/Enhancements \$10,000 Monitors:Standardize for use with Eplan x 15 \$20,000 Customer Service/Web Services Enhancements \$10,000 PEZ/Avolve Workflow License And Laserfishe Connectoi \$15,000 Code Enforcement Field Printers x 5 \$1,500	Eplan Utilization/Enhancements \$20,000 Customer Service/Web Services Enhancements \$10,000
<b>Finance</b>	Contract Mgt solution to integrate with new ERP \$7,500 Enhancements to Finance/Payroll ERP system \$10,000 Enhancements to Kronos Timekeeping \$10,000	Enhancements To Tax Application \$10,000 Enhancements to Finance ERP system \$25,000
<b>IT</b>	Customer Service Solutions: Ticketing Software \$0	Asset Management Solution \$25,000
<b>Police</b>	Police Records/Dispatch enhancements \$20,000 Relationship Analytics software \$15,000 Mobile computers upgrade (10) \$50,000 Building Renovation Hardware \$65,000 Cruiser mounts/console equipment \$20,000 Mobile vision car cams upgrade (8 ) \$50,000 Regional Dispatching Records Interfacing \$10,000	Police Records/Dispatch/Mobile enhancements \$20,000 EOC: Software \$15,000 Mobile computers upgrade (10) \$50,000 High Resolution displays for cruisers(10) \$20,000 Cruiser mounts/console equipment \$20,000 Regional Dispatching Interfacing \$25,000 Building Renovation Hardware \$15,000
<b>S&amp;U</b>	Enhance Sewer Inspection technology \$20,000 Flow Monitoring improvements \$5,000	
<b>Facilities</b>	FacilitiesSoftware Utilization/enhancements \$5,000 Monitoring Hardware/Connectivity Needs (hvac, truck wa \$7,500 Renovation Hardware/Connectivity Needs \$10,000	Security camera enhancements \$10,000 Renovation Hardware/Connectivity Needs \$10,000
<b>Fleet</b>	Fuel / Fleet System Enhancements \$10,000 Ward POS for CNG \$15,205 Enhancements to CNG Monitoring Tools/Connectivity \$40,000	Fleet/Fuel system enhancements \$10,000 Enhanced mobile device / GPS utilization \$10,000
<b>Public Works</b>	Data Analytics/Business Intelligence solution \$10,000	
<b>Engineering</b>	Replace Signal Timing Database System \$55,000 CAD/ArcView Additions \$10,000 Project Management for Planning and Design \$25,000 Eplan Utilization/Enhancements (not used, may not be u: \$5,000 Traffic Signal Communications \$15,000	Signal Timing Database Enhancements \$15,000 Project Management for Planning and Design \$10,000 CAD / ArcView upgrade/enhancement \$10,000 Eplan Utilization Enhancements \$15,000
<b>Events</b>	Events Technology Enhancements \$7,000 Meeting Matrix (event setup) Software Replace (with DCI \$2,500	Plotter Replacement \$25,000 Events Technology Enhancements \$5,000
<b>Volunteer Services</b>	Virtual Volunteer Center \$0	Volunteer System Enhancements \$0
<b>Parks</b>	Cemetery Management System Enhancement \$5,000	
<b>Recreation</b>	RecTrac Management System Enhance (Addl Licenses) \$10,000 Customer Service Enhancements \$15,000 Outdoor pools/Camps technology enhancement \$10,000 Chip and Pin Credit Card Scanners \$15,000 Meeting Matrix (Event Setup) Software Replace \$2,500	Customer Service enhancements \$15,000 Outdoor Pools/Camps Technology Enhancements \$10,000 Outdoor pools technology enhancement \$15,000
<b>Budget Adjustment</b>	\$1,468,705	\$1,190,000
<b>Budget Amount</b>	<b>(\$468,705)</b> <b>\$1,000,000</b>	<b>(\$240,000)</b> <b>\$950,000</b>

**Information Technology 5 Year Budget Plan  
2016 - 2020 (Project #AI1601)**



<u>Dept / Div</u>	<u>2018</u>		<u>2019</u>	
<b>Citywide</b>	Cityworks/Service Request Enhancements	\$7,500	Work Order/Service Request	\$25,000
	Document Management	\$10,000	Document Management	\$10,000
	IVR Enhancements	\$7,500	IVR Enhancements	\$7,500
	Adobe Licenses	\$10,000	Adobe Licenses	\$10,000
	Citywide WiFi/Broadband enhanced utilization	\$35,000	Citywide WiFi/Broadband enhanced utilization	\$35,000
	Network Management/security upgrade	\$25,000	Network Management/security upgrade	\$25,000
	Network connection-water towers/traffic signals	\$45,000	Network connection-water towers/traffic signals	\$45,000
	Server upgrades-virtual and storage	\$35,000	Server upgrades to virtual and storage upgrades	\$35,000
	Virtual Desktops/mobiles/voice	\$25,000	Virtual Desktops/mobiles/voice	\$25,000
	Security cameras	\$15,000	Security cameras	\$5,000
	Camera Recording Solution enhancements	\$10,000		
	Network Storage Upgrades	\$40,000	Network Storage Upgrades	\$40,000
	Infrastructure Changes for regional agencies	\$10,000	Infrastructure Changes for regional agencies	\$10,000
	Communications	\$20,000	Communications	\$20,000
	GIS Enhancement/data warehousing	\$25,000	GIS Enhancement/data warehousing	\$25,000
	Aerial Photos	\$50,000	Aerial Photos	\$50,000
	Mobile Smartphone/Tablet Applications	\$10,000	Mobile Smartphone/Tablet Applications	\$10,000
	PC replacement	\$75,000	PC replacement	\$75,000
	Printers	\$50,000	Printers	\$50,000
	Monitors, cabling, additional phone equipment	\$15,000	Monitors, cabling, additional phone equipment	\$10,000
	Mobile Device Replacements	\$25,000	Mobile Device Replacements	\$25,000
	Conference Room Equipment	\$5,000	Conference Room Equipment	\$10,000
	Misc. hardware/software	\$25,000	Misc. hardware/software	\$25,000
<b>OCM</b>				
<b>Court Services</b>	PCs/laptops for Court staff (\$6,000) (Court Fund)		Records Mgmt enhancement	\$10,000
<b>Community Rel</b>	Enhance Internet/Intranet/CR	\$25,000	Enhance Internet/Intranet/CR	\$10,000
<b>Human Res</b>	Photo ID enhancements	\$7,500	Enhancements-HR Management System	\$15,000
	HR Mgt System Enhancements	\$10,000	Training Technology	\$10,000
<b>Bldg Stds</b>	Eplan Utilization/Enhancements/ Plan review Monitor	\$10,000	Rev ServBldgStds counter enhancements	\$25,000
	Web application enhancements	\$25,000	Electronic Plan Review enhancements	\$25,000
<b>Economic Dev</b>				
<b>Planning</b>	Planning Review/Code Enf enhancement	\$25,000	Customer Web Services Enhancements	\$20,000
	Eplan Utilization/Enhancements	\$10,000		
<b>Finance</b>	Contract Mgt Solution Enhancements	\$10,000		
	Enhancements to Income Tax systems	\$15,000	Enhancements to Financial applications	\$7,500
			Enhancements to time&attendance	\$7,500
			Enhancements to Payroll application	\$7,500
<b>IT</b>	Enhancements to Ticketing system	\$7,500	Enhancements to Asset Management Solution	\$10,000
<b>Police</b>	Police Records/Dispatch/Mobile enhancements	\$25,000	PD-Records/Dispatch/Mobile enhancements	\$25,000
	Mobile computers upgrade (10)	\$50,000	Mobile computers upgrade (10)	\$50,000
	High Resolution displays for cruisers(10)	\$20,000	Cruiser mounts/console equipment	\$15,000
	Cruiser mounts/console equipment	\$15,000	Cruiser WiFi/AVL enhancements	\$15,000
	Communication center upgrades	\$30,000	Mapping/GPS/Crime Analysis	\$25,000
	Enhance cruiser digital camera system(5)	\$35,000		
<b>S&amp;U</b>	Enhance sewer inspection technology	\$50,000		
<b>Facilities</b>	Security camera enhancements	\$7,000	Security camera enhancements	\$15,000
<b>Fleet</b>	Fleet/Fuel system enhancements	\$20,000	Fleet/Fuel system enhancements	\$10,000
			Enhanced mobile device / GPS utilization	\$10,000
<b>Public Works</b>	Data Analytics/Business Intelligence Additional Licenst	\$10,000		
<b>Engineering</b>			Plotter	\$25,000
	Engineering applications/enhancements	\$25,000	CAD / ArcView upgrade/enhancement	\$10,000
	Traffic Signal Communication	\$15,000		
<b>Events</b>	Events technology enhancements	\$15,000	Events technology enhancements	\$10,000
<b>Volunteer Services</b>	Volunteer System Enhancements	\$0		
<b>Parks</b>	Cemetery system enhancements	\$10,000		
<b>Recreation</b>	Customer Service/Registration enhancements	\$20,000	Customer Service enhancements	\$20,000
	RecTrac Addl Licenses	\$7,500		
	Outdoor pools technology enhancement	\$5,000	Outdoor pools technology enhancement	\$10,000
<b>Budget Adjustment</b>		\$1,079,500		\$960,000
<b>Budget Amount</b>		<b>(\$129,500)</b>		<b>(\$10,000)</b>
		<b>\$950,000</b>		<b>\$950,000</b>

**Information Technology 5 Year Budget Plan  
2016 - 2020 (Project #A11601)**



<b>Dept / Div</b>	<b>2020</b>	
<b>Citywide</b>	Enhance Document Imaging	\$10,000
	Interactive Voice Response(IVR) enhancement	\$10,000
	Adobe Acrobat Licenses	\$10,000
	Citywide WiFi/Broadband enhanced utilization	\$35,000
	Network Management/security upgrade	\$25,000
	Network connection-water towers/traffic signals	\$45,000
	Server Hardware upgrades	\$35,000
	Virtual, Voice, Mobile Applications	\$25,000
	Security cameras	\$15,000
	Camera Recording Solution enhancements	
	Network Storage Upgrades	\$50,000
	Infrastructure Changes for regional agencies	\$10,000
	Communications	\$20,000
	GIS Enhancement/data warehousing	\$25,000
	Aerial Photos	\$50,000
	Mobile Smartphone/Tablet Applications	\$10,000
	PC Replacement	\$80,000
	Printers	\$70,000
	Monitors, cabling, additional phone equipment	\$30,000
	Mobile Devices to enable workforce mobility	\$50,000
	Conference Room Equipment	\$5,000
	Misc. Hardware/software	\$10,000
<b>OCM</b>		
<b>Court Services</b>	Court Technology Enhancements	\$5,000
<b>Community Rel</b>	Enhance Internet/Intranet/Community Rel	\$10,000
	Laptops for Emergency Preparedness (included in Citywide)	
<b>Human Res</b>	Training Area Hardware	\$10,000
<b>Bldg Stds</b>	Eplan Enhancements	\$10,000
	Customer Service Web Enhancements (GovNow)	\$10,000
<b>Economic Dev</b>		
<b>Planning</b>	Eplan Utilization/Enhancements	\$15,000
	Customer Service/ Web Services Enhancements	\$10,000
<b>Finance</b>		
<b>IT</b>	Support Services remodel/expand storage space (in facilities)	
<b>Police</b>	Police Records/Dispatch enhancements	\$20,000
	Mobile computers upgrade (10)	\$50,000
	Cruiser mounts/console equipment	\$20,000
	Regional Dispatching Records Interfacing	\$40,000
	Printers and Bar Code readers in cars	\$30,000
<b>S&amp;U</b>	Enhance sewer inspection software	\$10,000
<b>Facilities</b>		
<b>Fleet</b>	Fleet Management (Faster) Software upgrade	
<b>Public Works</b>	Data Analytics/Business Intelligence Additional Licenses	\$10,000
<b>Engineering</b>	Project Mgt for Planning and Design	\$7,500
	Eplan Utilization/Enhancements	\$15,000
	Traffic Signal Communication	\$15,000
<b>Events</b>		
<b>Volunteer Services</b>	Enhancement to Volunteer systems	\$10,000
<b>Parks</b>	Cemetery system enhancements	
<b>Recreation</b>	Customer Service Enhancements	\$20,000
	Outdoor pools technology enhancement	\$10,000
		\$947,500
Budget Adjustment		\$2,500
<b>Budget Amount</b>		<b>\$950,000</b>



## **2016 - 2020 Capital Improvements Program**

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### **Police-Major Projects**

#### **Next Gen 911 Upgrade (Project #PP1601)**

This project provides funding for a Next Gen 9-1-1 capable phone system in 2017. The current 9-1-1 telephone system was installed in 2010 and will be at the end of its useful life in 2018. The Next Gen 9-1-1 system will accept text, pictures and videos, and interface to the statewide Emergency Services Internet (9-1-1) network.

Funding for this project is anticipated from a Franklin County 911 reimbursement and the City's Wireless 911 Fund.



## **2016 - 2020 Capital Improvements Program**

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### **City Manager's Office – Major Projects**

#### **Allocation for Water Extensions (Project #EW1401)**

This is an allocation that is programmed in each of the next five years to provide funding for water extensions to areas that need direct access to the public water system. Extensions of the water line will be prioritized based on inspection data and evaluation provided by the Franklin County Board of Health as well as City Council policy.

#### **Allocation for Sewer Extensions (Project #ES1402)**

This is an allocation that is programmed in each of the next five years to provide funding for sanitary sewer extensions to areas that need direct access to the public sewer system. Extensions of the sewer line will be prioritized based on inspection data and evaluation provided by the Franklin County Board of Health as well as City Council policy.



## 2016 - 2020 Capital Improvements Program

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### Fleet Management Program -Major Projects

#### Vehicle Replacements (Project #AV1601)

The Fleet Management program was implemented to provide a replacement cycle that ensures the ongoing reliability and safety of the City's fleet that is necessary to provide quality services. The program's goal is to provide efficient fleet and equipment, and to maximize the return to the City on vehicle disposal.

Vehicles are scheduled for replacement based on years of service and/or mileage. Based on additional evaluations of the City's fleet, some vehicles have been moved back based on low usage and condition. Final determination for replacement will be made by the Fleet Manager based on a physical evaluation of the vehicle and a recently implemented and revised points system. The amount programmed for each department by year is listed below.

The City will continue to identify areas of reduction through the use of pool cars as well as savings through "right sizing" its fleet based on the need of the end user. Also, the City will continue to replace its vehicles, whenever appropriate, with compressed natural gas (CNG) and other alternative fuel vehicles to continue to work towards Council's goal of environmental sustainability.

\$1,000,000 per year has been allocated during the five year period for replacement vehicles. Programming for new vehicles for the five year period is listed below:

<b>Dept./Div.</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>
<b>Replacement Vehicles:</b>	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
<b>New Vehicles:</b>					
Streets/Utilities	\$0	\$0	\$85,000	\$0	0
Development	35,000	0	0	0	0
Parks/Recreation	0	0	0	0	0
Police	105,000	120,000	40,000	45,000	0
Facilities	0	0	0	0	0
<b>Total</b>	<b>\$1,140,000</b>	<b>\$1,120,000</b>	<b>\$1,125,000</b>	<b>\$1,045,000</b>	<b>\$1,000,000</b>



## 2016 - 2020 Capital Improvements Program

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### Fleet Management Program -Major Projects

#### Equipment (Project #AV1603)

The equipment request includes:

<u>Dept./Div.</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>
Streets/Utilities	\$170,000	\$135,000	\$0	\$250,000	\$0
Parks and Open Space	495,000	270,000	445,000	20,000	230,000
Other	70,000	0	0	25,000	0
<b>Total replacement</b>	<b>\$735,000</b>	<b>\$405,000</b>	<b>\$445,000</b>	<b>\$295,000</b>	<b>\$230,000</b>

**A breakdown of 2016 equipment includes (all replacements except where indicated):**

#### **Parks**

Toro Sports Mower  
 Cemetery Mowers  
 20 Zero Turn Mowers  
 Bobcat Mini Excavator  
 Infield Groomer  
 Trailer  
 Club Car  
 Stump Grinder

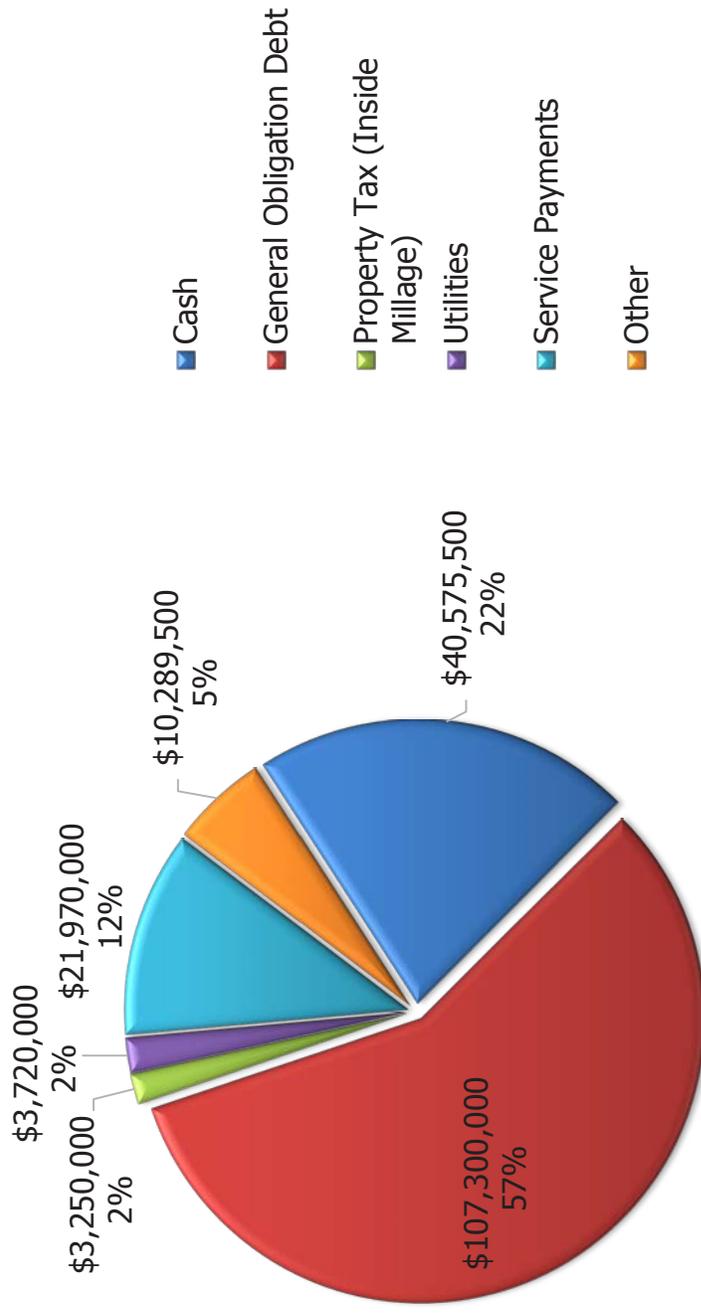
#### **Streets & Utilities Operations**

Rock Drill for Sign Shop  
 Attenuator  
 Mower  
 JD Tractor

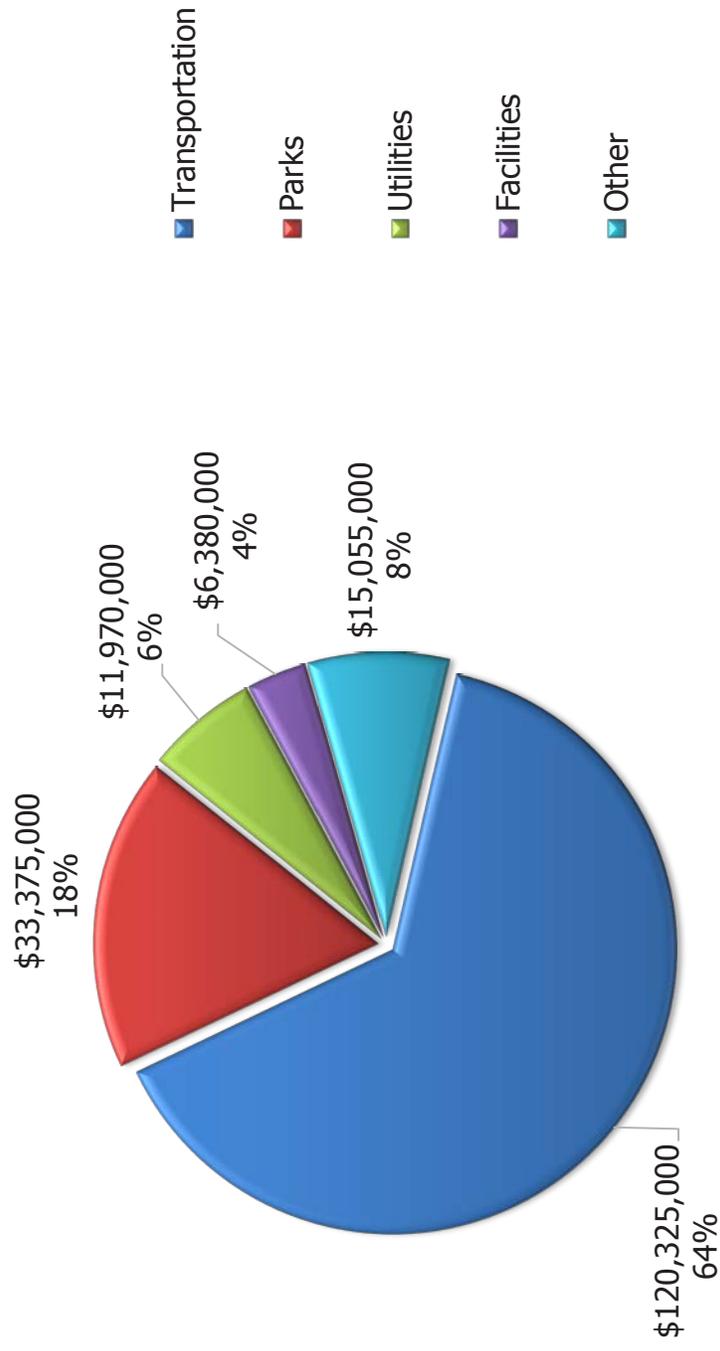
#### **Other**

Float Trailer (Events Administration)  
 Liquid Dispenser-Fuel Pumps (Fleet)

2016 – 2020  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 FUNDING SOURCE FOR ALL MAJOR PROJECTS  
 \$187,105,000



2016 – 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
MAJOR PROJECTS FUNDED – BY CATEGORY  
\$187,105,000





**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
MAJOR PROJECT FUNDING**

Project No.	Project Description	Total Project Cost	Debt Already Incurred	Debt to be Incurred	Project Funding Source	Amount
ET0103	Tuttle Crossing Boulevard Extension-Wilcox Road to Avery Road (TIF)	\$ 15,145,000	\$ -	\$ -	Other (MORPC)	7,000,000
ET1601	Tuttle Crossing Boulevard Extension, Phase 2 (TIF)	125,000	-	-	Service Payments	8,145,000
ET0104	Emerald Parkway-Riverside Drive to Billingsley Creek (TIF)	23,192,000	-	-	Cash	125,000
			-	-	Other (State Funding)	185,700
			-	-	Service Payments	900,000
			7,000,000	5,513,500	G.O. Debt (Service Payments)	9,592,800
			-	-	G.O. Debt (Service Payments)	12,513,500
ET1119	Relocated Rings Road (Churchman Road)	2,986,000	-	-	Cash	586,000
			-	-	Other (Permissive Tax)	2,400,000
ET1402	Avery Road Widening - Woerner Temple to Rings Road West (TIF)	9,064,000	-	-	Service Payments	1,089,000
			-	7,975,000	G.O. Debt (Service Payments)	7,975,000
ET1301	West Innovation Infrastructure - Onsite (TIF)	2,849,000	-	-	Service Payments	2,849,000
ET1403	Riverside Drive Realignment	12,095,000	-	-	Cash	6,581,500
			-	5,513,500	G.O. Debt	5,513,500
ET1405	John Shields Parkway, Phase I (TIF)	1,724,000	-	-	Service Payments	1,724,000
ET1409	John Shields Parkway, Phase II (TIF)	15,945,000	-	-	Service Payments	8,645,000
			-	7,300,000	G.O. Debt (Service Payments)	7,300,000
ET1701	Dale Drive Rehabilitation (TIF)	400,000	-	-	Service Payments	400,000
ET1527	Post Road Improvement (TIF)	500,000	-	-	Service Payments	500,000
ET1411	COTA Relocation	1,106,000	-	-	Service Payments	1,106,000
ET0606	Eiterman Road Relocation (TIF)	3,117,000	-	-	Service Payments	477,000
			-	2,640,000	G.O. Debt (Service Payments)	2,640,000
ET0003	US33/SR 161/Post Rd Interchange Improvements (TIF)	40,533,000	-	-	Service Payments	16,933,000
			-	3,600,000	G.O. Debt	3,600,000
			-	20,000,000	G.O. Debt (Property Tax)	20,000,000
ET1515	Old Avery Road Relocation	200,000	-	-	Cash	200,000
ET1517	Shier Rings Road - Avery Road to Eiterman Road	200,000	-	-	Cash	200,000
ET1518	Hyland Croy Road/Post Preserve Roundabout (TIF)	1,905,000	-	-	Service Payments	1,905,000
ET1523	Perimeter Drive Widening - Holt Road to Commerce Parkway (TIF)	300,000	-	-	Service Payments	300,000
ET0902	Post Preserve Access Modification (TIF)	1,801,000	-	-	Service Payments	1,801,000
ET1602	Emerald Parkway Bridge (Scioto) Deck Overlay	2,600,000	-	-	Cash	2,600,000
ET1603	Uncurbed Streets - Mid-Century Neighborhood	2,820,000	-	-	Cash	2,820,000
ET1604	University Boulevard Extension, Phase 2 (TIF)	2,060,000	-	-	Service Payments	2,060,000
ET1605	Riviera - Hyland Croy Connector	1,395,000	-	-	Service Payments	1,395,000
ET1606	Bridge Park Roadway System (TIF)	11,100,000	-	11,100,000	G.O. Debt (Service Payments)	11,100,000
ET1607	Bridge Street District Program Management	5,860,000	-	-	Cash	5,860,000
ET1608	Bridge Park Public Infrastructure	32,000,000	-	32,000,000	Nontax Revenue Debt (Service Payments)	32,000,000
ET1609	Graham Street - Casto Tuller Flats Roadway System (TIF)	2,340,000	-	2,340,000	G.O. Debt (Service Payments)	2,340,000
ET1610	Historic District Columbus Metropolitan Library Street Network	10,740,000	-	-	Cash	1,340,000
			-	9,400,000	G.O. Debt	9,400,000
ET1611	Historic District Columbus Metropolitan Library Parking Deck	6,500,000	-	6,500,000	G.O. Debt	6,500,000
ET1612	John Shields Parkway Bridge	790,000	-	-	Cash	790,000
ET1613	Western Roadway Alignment Study	650,000	-	-	Cash	650,000
ET1614	North Riverview Rehabilitation (Extension)	2,385,000	-	2,000,000	Cash	385,000
			-	-	G.O. Debt	2,000,000
ET1615	Comprehensive Wayfinding System	1,370,000	-	-	Cash	1,370,000
ET0410	Avery-Muirfield Drive/Perimeter Loop/Perimeter Drive Intersection (TIF)	12,448,000	-	-	Service Payments	4,698,000
			-	7,750,000	G.O. Debt (Service Payments)	7,750,000
ET0508	Riverside Drive/SR161	19,039,000	-	-	Cash	1,299,000
			5,700,000	12,040,000	G.O. Debt	17,740,000
ET0605	Sawmill Road/Hard Road (TIF)	3,411,000	-	-	Service Payments	2,911,000
			-	-	Other (Developer Contribution)	500,000
ET1616	Sawmill Road Third Southbound Lane Addition	5,850,000	-	4,875,000	Cash	975,000
			-	-	G.O. Debt	4,875,000
ET1528	Sawmill Road - Snuffer Road Intersection Improvements	125,000	-	-	Cash	125,000
ET0809	Hyland Croy Road/McKittrick Road	1,450,000	-	-	Cash	1,331,875
			-	-	Other (Developer Contribution)	118,125
ET1401	I-270/US 33 Interchange Phase 1 Improvements (TIF)	23,356,000	-	-	Service Payments	4,356,000
			19,000,000	-	G.O. Debt (Service Payments)	19,000,000
ET1525	I-270 AEP Overhead to Underground Crossing (TIF)	1,105,000	-	-	Service Payments	1,105,000
ET1102	US33/SR 161/Post Rd Interchange (Eiterman Rd. Interim Solution) (TIF)	2,753,000	-	-	Service Payments	2,753,000
ET1521	Muirfield Drive/Memorial Drive	290,000	-	-	Cash	290,000
ET1302	SR 161/Hyland-Croy Road Temporary Intersection Improvement (TIF)	340,000	-	-	Service Payments	340,000
ET1406	Avery Road/Brand Road Intersection (TIF)	2,540,000	-	-	Service Payments	2,540,000
ET1524	US33/SR161/Frantz Road Intersection (TIF)	500,000	-	-	Service Payments	500,000
ET1203	Dublin Road South Shared-Use Path	2,817,000	-	-	Cash	2,817,000
ET1204	Glick Road Shared-Use Path	2,641,000	-	-	Cash	2,641,000
ET1617	Perimeter Drive Shared-Use Path - Avery-Muirfield Road to Holt (TIF)	100,000	-	-	Service Payments	100,000
ET1618	Rings Road Shared-Use Path - Frantz Road to Dublin Road (TIF)	505,000	-	-	Service Payments	505,000
ET1619	Riverside Drive East Shared-Use Path	75,000	-	-	Cash	75,000
ET1620	Shier Rings Road Shared Use Path - Eiterman Road to Cosgray Road	360,000	-	-	Cash	360,000
ET1621	Concord Road Shared Use Path	395,000	-	-	Cash	295,000
			-	-	Other (Township Funding)	100,000
GR9901	Darree Fields Development	6,661,000	-	-	Cash	6,286,000
			-	-	Other (Township Funding)	375,000
GR9903	Amberleigh Community Park Development	2,708,000	-	-	Cash	2,708,000
GR9904	Emerald Fields Development	5,440,000	-	-	Cash	3,740,000
			-	-	Other (State Funding)	475,000
			1,225,000	-	G.O. Debt	1,225,000
GR9902	Coffman Park Expansion	6,980,000	-	-	Cash	6,980,000
GR1114	Holder-Wright Farm and Earthworks	3,148,000	-	-	Cash	3,148,000
GR1302	Scioto River Pedestrian Bridge	22,438,000	-	-	Cash	8,228,000
			-	14,210,000	G.O. Debt	14,210,000
GR1303	Riverside Park	12,180,000	-	-	Cash	3,905,000
			-	8,275,000	G.O. Debt	8,275,000
AL1202	Parkland Acquisition	3,900,000	-	-	Property Tax (Inside Millage)	3,900,000
ES0701	Sewer Lining and Repair	10,501,000	-	-	Utilities (Sewer Fund Revenue)	1,757,800
			4,760,000	3,600,000	Other (Federal Funding)	383,200
			-	5,015,000	G.O. Debt (Sewer Fund Revenue)	8,360,000
ES1502	Sewer Extensions	5,015,000	-	-	G.O. Debt (Sewer Fund Revenue)	5,015,000
ES1603	Deer Run Sewer Upsizing	610,000	-	535,000	G.O. Debt (Sewer Fund Revenue)	535,000
			-	-	Utilities (Sewer Fund Revenue)	75,000
EW1101	Rings Road Waterline	730,000	-	-	Utilities (Water Fund Revenue)	730,000
EW1501	Water Extensions	2,180,000	-	-	Utilities (Water Fund Revenue)	2,180,000
EW1602	Tuswell Drive Waterline	135,000	-	-	Utilities (Water Fund Revenue)	135,000
EF0201	Stormwater Improvements	4,647,000	-	-	Cash	4,647,000
AB0601	Municipal Facilities	17,445,000	-	-	Cash	3,305,000
			-	14,140,000	G.O. Debt	14,140,000
AI1601	Computer Hardware/Software	6,000,000	-	-	Cash	5,850,500
			-	-	Other (Hotel/Motel Tax Fund)	64,500
			-	-	Utilities (Sewer Fund Revenue)	85,000
PP1601	Next Gen 911 Upgrade	675,000	-	-	Other (Grant Funds)	675,000
EW1401	Allocation for Water Extensions	1,200,000	-	-	Cash	1,200,000
ES1402	Allocation for Sewer Extensions	1,800,000	-	-	Cash	1,800,000
AV1601	Fleet Management Program - Vehicles	6,895,000	-	-	Cash	8,855,000
AV1603	Fleet Management Program - Equipment	2,485,000	-	-	Other (Hotel/Motel Tax Fund)	50,000
			-	-	Utilities (Sewer Fund Revenue)	475,000
<b>Total</b>		<b>\$ 419,670,000</b>	<b>\$ 37,685,000</b>	<b>\$ 186,322,000</b>		<b>419,670,000</b>

**Summary**

Cash	\$ 94,429,575
G.O. Debt	192,007,000
Nontax Revenue Debt	32,000,000
Property Tax (Inside Millage)	3,900,000
Utilities	5,437,800
Service Payments	78,854,800
Other	13,040,825
	<u>\$ 419,670,000</u>



**2016 - 2020**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**NON-MAJOR PROJECTS**

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Guidelines have been established for several key areas which the Administration has utilized in projecting the non-major capital needs. These are summarized as follows:

**Park Development**

- The neighborhood park development priority is based upon the timing of subdivision build-out and input from residents.
- Evaluate the adequacy of active/athletic facilities in the community and the neighborhood parks.
- Identify opportunities to develop joint neighborhood and community parks with other governmental jurisdictions (i.e. Dublin City Schools and Washington Township).
- Program adequate funding for maintenance of existing assets.

**Bikeway System Improvements**

- Bikeways are included as part of the City's major public roadway projects and include shared-use paths, bike lanes and sharrows.
- Identify connections and/or additions to the bikeway system which provide an alternate transportation system linking neighborhoods, community facilities and commercial destinations.
- Coordinate local system design with other governmental jurisdictions such as the Mid-Ohio Regional Planning Commission (MORPC), the Ohio Department of Transportation (ODOT) and other appropriate regional efforts.
- Identify the connections and/or additions that can be constructed by developers as part of private development.
- Program adequate funding for maintenance of existing infrastructure.

**Annual Street Maintenance Program**

- Investment for street resurfacing is based on anticipated life of the asset.
- A comprehensive pavement management system has been established to ensure acceptable levels of service are maintained in a cost-effective manner.
- The City evaluates the pavement maintenance needs annually and programs improvements based on roadway conditions.

**2016 - 2020  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
NON-MAJOR PROJECTS**

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**Guidelines – Non-major funding (continued)**

**Asset maintenance**

- Maintain the City's existing assets to ensure long-term viability.
- Maintain a comprehensive listing of the City's assets and identify the anticipated need for maintenance, repair or replacement.
- Evaluate and update the City's asset maintenance needs annually.

As identified, specific budget requests will be included in the annual Capital Improvements Program budget and a final review and evaluation made by City Council as part of the Annual Operating Budget review process.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2016-2020

DEPARTMENT/ DIVISION	PRIOR YEARS	2015	2016	2017	2018	2019	2020	TOTAL 16-20
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**NON-MAJOR PROJECTS**

City Manager's Office	0	725	725	725	725	725	725	3,625
Information Technology	0	470	495	370	245	245	245	1,600
Facilities	0	760	645	390	210	130	130	1,505
Parks & Recreation	1,103	900	865	1,105	805	1,000	1,080	4,855
Police	300	160	662	245	20	0	0	927
Sanitary Sewer System	378	700	320	475	595	525	250	2,165
Transportation	0	8,777	6,345	6,665	6,400	6,665	5,990	32,065
Water Distribution System	3,155	55	865	70	580	70	600	2,185
Stormwater System	0	560	560	560	575	575	585	2,855
<b>TOTAL</b>	<b>4,936</b>	<b>13,107</b>	<b>11,482</b>	<b>10,605</b>	<b>10,155</b>	<b>9,935</b>	<b>9,605</b>	<b>51,782</b>

9/8/2015

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2016-2020

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
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**CITY MANAGER'S OFFICE / NONMAJOR PROJECTS**

AL1601	Land Acquisition	0	500	500	500	500	500	500	2,500	0	2,500
AA1601	Contingencies	0	225	225	225	225	225	225	1,125	0	1,125
<b>9/8/2015</b>	<b>TOTAL</b>	<b>0</b>	<b>725</b>	<b>725</b>	<b>725</b>	<b>725</b>	<b>725</b>	<b>725</b>	<b>3,625</b>	<b>0</b>	<b>3,625</b>
	TOTAL (Prior Year 2015-2019)	0	725	725	725	725	725	n/a		0	3,625
	Percentage Change	0%	0%	0%	0%	0%	0%	n/a		0%	0%



## 2016 - 2020 Capital Improvements Program

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### Office of the City Manager - Non-Major Projects

**AL1601**      **Land Acquisition** – Funding of \$500,000 is allocated annually for potential land acquisition to take advantage of opportunities that may develop over the course of the five year CIP.

**AA1601**      **Contingencies** – Funds are allocated for change orders related to projects that are carried over from one year to the next or minor projects that were unanticipated. \$225,000 is allocated each year.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2016-2020

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
<b>INFORMATION TECHNOLOGY / NONMAJOR PROJECTS</b>											
AB0802	Technology Improvements - Dublink	0	120	120	120	120	120	120	600	120	720
AB1402	Dublink/Ignite	0	350	375	250	125	125	125	1,000	300	1,300
9/8/2015	<b>TOTAL</b>	<b>0</b>	<b>470</b>	<b>495</b>	<b>370</b>	<b>245</b>	<b>245</b>	<b>245</b>	<b>1,600</b>	<b>420</b>	<b>2,020</b>
	TOTAL (Prior Year 2015-2019)	0	470	495	370	245	245	n/a		420	2,350
	Percentage Change	0%	0%	0%	0%	0%	0%	n/a		0%	-14%



## 2016 - 2020 Capital Improvements Program

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### Information Technology - Non-Major Projects

**AB0802**     **Technology Improvements–Dublink** - \$120,000 in funding has been allocated annually in the five year period based on a forecasted need to continually update, extend and enhance the City's fiber optic system. This includes system extensions, laterals, data center enhancements and connectivity.

**AB1402**     **Dublink/Ignite** – Funding in the five year period provides fiber to the office solution for small to medium size businesses which will provide a suite of services not currently available in the marketplace. Services provided will include access to software solutions, cloud computing, data center services, Ohio SuperComputer, Ohio Academic Research Network, City WiFi, data analytics, and high speed/high capacity internet. These services will help keep aging office buildings competitive as well as attract, retain, and expand companies in the information technology cluster. Funding is higher in the first few years to provide base infrastructure as well as jump start the project.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2016-2020

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
<b>FACILITIES / NONMAJOR PROJECTS</b>											
ABI1601	Building Maintenance/Renovations	0	760	645	390	210	130	130	1,505	0	1,505
9/8/2015	<b>TOTAL</b>	<b>0</b>	<b>760</b>	<b>645</b>	<b>390</b>	<b>210</b>	<b>130</b>	<b>130</b>	<b>1,505</b>	<b>0</b>	<b>1,505</b>
	TOTAL (Prior Year 2015-2019)	0	680	340	155	195	120	n/a		0	1,490
	Percentage Change	0%	12%	90%	152%	8%	8%	n/a		0%	1%



## 2016 - 2020 Capital Improvements Program

### Facilities - Non-Major Projects

**AB1601 Building Maintenance/Renovations** – The amount requested for **2016** is broken down as follows:

Location	Description	Amount
<b>Art's Council</b>	Re-build stone sidewalk near patio	\$ 5,000
	Additional window replacements	25,000
<b>City Hall and Annex</b>	Replace glass doors at main entrance, rear entrances, and solid rear doors.	15,000
	Replace carpeting in Annex offices and reception area	10,000
	Update second floor lighting	2,000
<b>Fleet Building</b>	Replace four overhead doors in vehicle wash bay	75,000
<b>Justice Center</b>	Repair gutter and down spouts	27,500
<b>Parks</b>	Patch and paint ten ball field dugouts at Avery Park	6,000
	Soft top cover replacement for Amphitheater	25,000
	Replace pavilion roof	16,000
	Pavilion wall repairs	10,000
	Nyrop House (Post Road) - demolition	20,000
	Wood repairs and painting at Darree Fields	17,500
	Exterior Paint at Earlington Barn	22,000
	Multiple barns	10,000
<b>Recreation Center (DCRC)</b>	Exterior building paint and seal woodwork	70,000
	Exterior building lighting upgrade	10,000
	Remove Cleaver Brooks boiler	15,000
	Replace AON roof top units as needed	35,000
	Paint gymnasium	40,000
	Complete refurbishing of gymnasium floor	25,000
<b>South Pool</b>	Replace cedar roof on main building, concession stand and pump house	35,000
<b>Various – Citywide</b>	Small in-house renovations	25,000
	HVAC and pump replacements	25,000
	Carpet and flooring replacements	50,000
	Painting and patching walls as needed	30,000
	Adjustment for rounding	(1,000)
<b>Total</b>		<b>\$645,000</b>

CITY OF DUBLIN  
CAPITAL IMPROVEMENT PROJECTS  
2016-2020

PROJECT NO.	DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
<b>PARKS &amp; RECREATION / NONMAJOR PROJECTS</b>											
AR1601	Park Renovations / Improvements	0	640	615	400	400	400	400	2,215	0	2,215
AB1602	Public Art Maintenance	0	10	15	15	15	15	15	75	0	75
GR1011	Llewellyn Farms South Park	0	0	0	0	0	100	0	100	0	100
GR1113	IGS Park (TIF)	161	0	0	0	0	30	150	180	0	180
GR1201	Dublin Arts Council Site Renovations	108	250	0	30	350	35	400	815	725	1,540
GR1403	Outdoor Exercise Equipment	39	0	20	0	0	0	0	20	0	20
GR1404	Obstacle Course	0	255	0	0	0	0	0	0	0	0
GR1115	DCPN (North Pool)	795	0	75	660	0	0	0	735	0	735
GR1601	Barronsmore Mound (Ballantrae)	0	0	0	0	0	0	115	115	0	115
GR1602	Post Road Bike Path Bridge	0	0	140	0	0	0	0	140	0	140
GR1603	Tuller Flats	0	0	0	0	40	420	0	460	0	460
9/8/2015	<b>TOTAL</b>	<b>1,103</b>	<b>900</b>	<b>865</b>	<b>1,105</b>	<b>805</b>	<b>1,000</b>	<b>1,080</b>	<b>4,855</b>	<b>725</b>	<b>5,580</b>
	TOTAL (Prior Year 2015-2019)	651	1,105	970	795	855	885	n/a		855	5,465
	Percentage Change	69%	-19%	-11%	39%	-6%	13%	n/a		-15%	2%



## 2016 - 2020 Capital Improvements Program

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### Parks and Recreation - Non-Major Projects

**AR1601 Park Renovation / Improvements** – Funding is programmed for renovation/ improvements to various existing parks. The maintenance and rehabilitation of the City's parks is an important part of the Parks CIP. The following renovations and improvements are programmed in **2016**:

Location	Description	Amount
Indian Run Meadows	Playground replacement	\$288,000
Dublinshire Greenway	Plaza benches and pavers	25,000
Wedgewood Hills	Playground replacement	203,000
Woods of Brighton	Tennis court resurfacing	15,000
Balgriffin Park	Tennis court resurfacing	15,000
Llewellyn Park	Tennis court resurfacing	16,000
Dalmore Park	Basketball court resurfacing	5,000
Ballantrae Park	Rewiring and junction box replacement	15,000
Service Center	Irrigation replacement	8,000
	Solar power pond aerator	7,000
Scioto Park North	Shelter electric	17,000
	Adjustment for Rounding	1,000
<b>Total</b>		<b>\$615,000</b>



## 2016 - 2020 Capital Improvements Program

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### Parks and Recreation - Non-Major Projects

**AB1602 Public Art Maintenance** – Provides funding for performance of on-going maintenance, repairs and restoration of public art work owned by the City. Funding is provided for this project from the Hotel/Motel Tax Fund.

**GR1011 Llewellyn Farms South Park** – Funding is programmed in 2019 for the development of a comfort area to include an internal path system, picnic grove, site furnishings and landscaping.

**GR1113 IGS Park** – Per the Economic Development Agreement (EDA), land for the park was provided by IGS Energy (Interstate Gas Supply). Prior to 2014, a bikepath and bridge, and picnic grove area were constructed. Funds programmed in 2019 and 2020 provide for a second internal bridge connecting IGS to the park once their building expansion is completed. Funding is provided for this park project from the Thomas/Kohler TIF Fund.

**GR1201 Dublin Arts Council Site Renovations** – Funds included in 2015 are for a major retaining wall reconstruction and associated site restoration. 2017 reflects design for 2018 construction for overflow parking, site grading/terracing at the rear of the building, retaining walls. Funding in 2019 and 2020 reflects funding for additional site work.

**GR1403 Outdoor Exercise Equipment** – Funding is provided in 2016 for outdoor exercise equipment (site to be determined) in a second location within the City's park system.

**GR1404 Obstacle Course** – Funds are programmed in 2015 to provide for opportunities for active children, families, and adults with the construction of a linear seven station obstacle course.

**GR1115 Dublin Community Pool North Renovation** – Funding in 2016 and 2017 includes design and construction of a baby pool area to include shade and fencing. The work will include demolition of the existing baby pool area.



## 2016 - 2020 Capital Improvements Program

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### Parks and Recreation - Non-Major Projects

**GR1601**    **Barronsmore Mound (Ballantrae)** – Funding in 2020 provides for walking paths, plaza, bike racks, benches, and adding electricity.

**GR1602**    **Post Road Bike Path Bridge** - Funding is provided in 2016 for a small bridge over the South Fork Indian Run (located in front of where the old Special Events Administration Office was situated on Post Road). This will provide an extension of the bike path system to Post Road and provide limited vehicular access (staff only) to the existing storage barn.

**GR1603**    **Tuller Flats Park** – Funding provided in 2018 and 2019 is to design and develop a highly visible park area surrounded by multi-family housing on John Shields Parkway. Park amenities are yet to be determined, but aesthetics will be highly important.

CITY OF DUBLIN  
CAPITAL IMPROVEMENT PROJECTS  
2016-2020

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
<b>POLICE / NONMAJOR PROJECTS</b>											
PP0803	Replacement Lasers	42	15	20	10	10	0	0	40	0	40
PP0804	Replacement Radars	63	10	0	10	10	0	0	20	0	20
PP1301	Intersection & Crime Prevention Cameras	61	80	0	0	0	0	0	0	0	0
PP1202	Ballistic Helmets	20	0	0	25	0	0	0	25	0	25
PP1302	Automatic License Plate Readers	100	0	0	120	0	0	0	120	0	120
PP1303	Replacement Ballistic Shields	14	0	0	25	0	0	0	25	0	25
PP1602	Replacement Firearms	0	0	120	0	0	0	0	120	0	120
PP1501	Replacement Automated External Defibrillators (AED)	0	20	20	20	0	0	0	40	0	40
PP1502	LiveScan Fingerprint System	0	35	0	0	0	0	0	0	0	0
<b>PP1602</b>	DTU Equipment	0	0	20	0	0	0	0	20	0	20
<b>PP1603</b>	Interview Room Camera System	0	0	0	35	0	0	0	35	0	35
<b>PP1604</b>	Mobile Radio Upgrades	0	0	125	0	0	0	0	125	0	125
<b>PP1605</b>	Communications Center Consoles	0	0	310	0	0	0	0	310	0	310
<b>PP1606</b>	Replacement K9	0	0	12	0	0	0	0	12	0	12
<b>PP1607</b>	Body Camera Hardware	0	0	35	0	0	0	0	35	0	35
<b>9/8/2015</b>	<b>TOTAL</b>	<b>300</b>	<b>160</b>	<b>662</b>	<b>245</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>927</b>	<b>0</b>	<b>927</b>
	TOTAL (Prior Year 2015-2019)	134	260	160	210	20	0	n/a		0	650
	Percentage Change	124%	-38%	314%	17%	0%	0%	n/a		0%	43%



## 2016 - 2020 Capital Improvements Program

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### Police Non-Major Projects

**PP0803**     **Replacement Lasers** – Funds are programmed in 2016 through 2018 to replace aging traffic lasers. The lasers have an estimated life of ten years.

**PP0804**     **Replacement Radars** – Funds are programmed in 2017 and 2018 to replace aging radars. The radars have an estimated life of ten years.

**PP1301**     **Intersection and Crime Prevention Cameras** – Funding programmed in 2014 and 2015 provide for traffic cameras at high traffic, high incident locations and add crime prevention cameras at City properties such as parks, parking areas, pools and other open spaces. These cameras will use the Wi/Fi and fiber connectivity currently available throughout the City to allow for real time recording and monitoring from the police communications center and mobile computers in police and fire vehicles. The traffic cameras could also be shared on the City's web site and with ODOT's traffic control center. Locations for these cameras will be finalized with discussions between Police, Engineering and IT and are based on crash counts/rates, traffic counts and crime statistics.

**PP1202**     **Ballistic Helmets** – Funds are programmed in 2017 to replace existing officer ballistic helmets. The helmets have a five year useful life.

**PP1302**     **Automatic License Plate Readers** – Funds programmed in 2017 provide for the additional purchase of automatic license plate readers to be installed on select cruisers. License plate readers are an automated tool installed on police cruisers that read license plates and compare them to a database of wanted and missing persons, amber alerts, stolen vehicles and homeland security alerts and notify the officer anytime there is a match. These systems can scan as many as 10,000 plates per hour and greatly increase the possibility an alert will be found.

**6P1303**     **Replacement Ballistic Shields** – Funds in 2017 are programmed for the replacement of existing ballistic shields that have a five-year expiration.

**PP1602**     **Replacement Firearms** – Funds in 2016 are programmed for the replacement of firearms (hand guns) which have exceeded the ten year recommended life for on-duty use.



## 2016 - 2020 Capital Improvements Program

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### Police Non-Major Projects

**PP1501 Replacement Automated External Defibrillators** – Funds programmed in 2015, 2016, and 2017 provide for the replacement of current Automated External Defibrillators (AED) that were originally purchased in 1998.

**PP1502 LiveScan Fingerprinting System** – Funds programmed in 2015 provide for the replacement of the current LiveScan System which will no longer be supported by the vendor after 2015. The LiveScan unit allows officers to capture the finger and palm prints of an arrestee and electronically submit those prints to the Ohio Bureau of Investigation & Identification.

**PP1602 DTU Equipment** – Provides funding in 2016 for equipment necessary to support two Dublin officers operating with the Delaware Tactical Unit (DTU). The equipment is necessary to ensure the safety and efficiency of the officers during high-risk operations such as barricades, hostage situations, and working high-risk search warrants.

**PP1603 Interview room Camera System** – By CALEA Accreditation standards, all interviews and interrogations must be captured on video and audio. The City's current system, which is an adapted in-car camera system, was installed in 2007 and is coming to an end of useful life status and needs replacement. The new system will provide recording capabilities for all interview rooms at the Justice Center and is significantly less expensive than replacing the existing units with new adapted in-car cameras. Funding for this project is programmed in 2017.

**PP1604 Mobile Radio Upgrades** – Each front-line police cruiser has two radios installed. One is for primary communications and the other is for interoperable communications with agencies on other systems throughout Ohio. The secondary radios in the cruisers are 15 years old and in need of replacement. They are also not capable of digital communications. Funding for this project is programmed in 2016.

**PP1605 Communications Center Consoles** – Funds programmed in 2016 coincide with the Justice Center renovation and construction of the new communications center space. As part of the renovations, three dispatch positions will be added to make a total of eight. The 2016 funding provides for the purchase of three additional Motorola MCC7500 dispatch consoles to ensure the new positions are fully equipped.



## 2016 - 2020 Capital Improvements Program

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### Police Non-Major Projects

**PP1606**     **Replacement K9** – Funding provided in 2016 is for one canine trained in tracking explosives detection. The current canine is nearing the end of his working life (estimated to end in 2015-2016). The canine will be used to track missing persons and fugitives from justice as well as detect explosives at events, schools, and other areas as needed.

**PP1607**     **Body Camera Hardware** – Funding provided in 2016 is for a pilot program for body cameras, charging stations, and mounting hardware options for patrol officers. The funding will provide a pilot program of approximately 12 to 14 cameras. Body cameras have been recommended by the recent Governor's Task Force on Police/Community Relations. An amount for the storage hardware/software needed to maintain the recordings will be reflected in the operating budget.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2016-2020

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
<b>SANITARY SEWER SYSTEM \ NONMAJOR</b>											
ES1601	Annual Sanitary Sewer Maintenance Program	0	200	200	200	225	225	250	1,100	0	1,100
ES1110	North Fork Sewer-Capacity Improvement	0	0	55	0	370	0	0	425	0	425
ES1202	Manhole Rehabilitations	378	500	0	275	0	300	0	575	300	875
ES1604	Upper Scioto West Shaft Improvements, #12	0	0	65	0	0	0	0	65	0	65
	<b>TOTAL</b>	<b>378</b>	<b>700</b>	<b>320</b>	<b>475</b>	<b>595</b>	<b>525</b>	<b>250</b>	<b>2,165</b>	<b>300</b>	<b>2,400</b>
	TOTAL (Prior Year 2015-2019)	358	700	200	450	200	450	n/a		400	2,400
	Percentage Change	6%	0%	60%	6%	198%	17%	n/a		-25%	0%



## 2016 - 2020 Capital Improvements Program

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### Sanitary Sewer System - Non-Major Projects

**ES1601 Annual Sanitary Sewer Maintenance** – Provides funding to maintain and repair sanitary sewer infrastructure including raising manholes and various other issues identified during inspections.

**ES1110 North Fork Sewer Capacity Improvement** – This project will increase the capacity of the City's sanitary sewer system and provides for the ability to handle future development as it occurs in this area. Funding in 2016 provides for the project design with funds programmed in 2018 for site acquisition and construction.

**ES1202 Manhole Rehabilitations** – This project provides for the repair of sanitary sewer manholes in accordance to the schedule needed to comply with the "Director's Final Findings and Orders" issued by the Ohio Environmental Protection Agency (OEPA). This project provides for repairs to the integrity of the manholes and reduces the amount of inflow and infiltration (I and I) entering the system via the main lines.

Manhole rehabilitation is programmed in 2015 and 2017 for Deer Run sewer shed, and North Fork Indian Run sewer shed in 2019.

**ES1604 Upper Scioto West Shaft Improvements, #12** – This project provides funding in 2016 to elevate shaft #12, located at 5751 Dublin Road for accessibility to perform maintenance and repairs to the sanitary sewer system infrastructure.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2016-2020

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
<b>TRANSPORTATION / NONMAJOR PROJECTS</b>											
AT1601	Annual Street Maintenance Program	0	6,245	4,000	4,000	4,000	4,000	4,000	20,000	0	20,000
AT1602	Annual Infrastructure / Roadside Improvement Program	0	50	100	100	100	100	100	500	0	500
AT1603	Annual Bikeway Maintenance	0	815	840	735	760	635	340	3,310	0	3,310
AT1604	Annual Bikeway Connections / Additions (Some TIF funded)	0	790	450	350	55	210	0	1,065	615	1,680
AT1606	Annual Sidewalk Program	0	0	50	125	125	0	125	425	0	425
AT1607	Annual Parking Lot Maintenance	0	500	400	400	400	400	400	2,000	80	2,080
AT1608	Annual Pedestrian Tunnel Maintenance	0	115	165	515	270	220	5	1,175	30	1,205
AT1610	Annual Guardrail Replacement & Maintenance	0	230	65	65	65	65	65	325	0	325
AT1611	Annual Bike Rack Installation	0	25	25	25	25	25	25	125	0	125
AT1612	Annual Bridge Maintenance	0	0	180	350	600	1,010	930	3,070	945	4,015
AT1613	Bridge Street Eastbound School Flasher Upgrade	0	7	70	0	0	0	0	70	0	70
9/8/2015	<b>TOTAL</b>	<b>0</b>	<b>8,777</b>	<b>6,345</b>	<b>6,665</b>	<b>6,400</b>	<b>6,665</b>	<b>5,990</b>	<b>32,065</b>	<b>1,670</b>	<b>33,735</b>
	TOTAL (Prior Year 2015-2019)	0	6,385	6,350	6,350	5,820	5,635	n/a		1,115	31,655
	Percentage Change	0%	37%	0%	5%	10%	18%	n/a		50%	7%

## 2016 - 2020 Capital Improvements Program

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### Transportation – Non-Major Projects

**AT1601 Annual Street Maintenance Program** – Funding provides for an annual allocation for repairing the City's roadways. The Street Maintenance Program consists of replacement of deteriorated concrete curb and gutter, street base stabilization, milling of deteriorated pavement surfaces and placement of new asphalt pavement. There are currently 264 miles of roadway in the City with an equivalent of 591 lane miles of pavement.

In 2015, the City contracted with Transmap Corporation to provide a comprehensive map based pavement condition inventory to aid in planning future maintenance. The pavement analysis is utilized to program the timing and type of street rehabilitation and maintenance work. The condition assessment is based on an index of 1 – 100, with an index of 100 being a new roadway. The City has a goal of the weighted average PCI to be  $\geq 75$  for the entire system and no weighted average PCI for any segment to be below 50 for all local streets or 60 for all others. The current estimated PCI for 2015 is 78.1. The funding also provides for more preventive treatments.

The factors used to prioritize and select streets for inclusion in the program include: existing pavement condition index, type and severity of deterioration, average daily traffic, functional classification of the street, annual maintenance costs, and expected economy of grouping streets by location to gain contractor efficiency and minimize neighborhood disruptions. We also evaluate the condition of the existing curb and gutter that work is aligned with the pavement work.

**AT1602 Annual Infrastructure/Roadside Improvement Program** –Funds provided with this annual allocation will be used to improve conditions along City roadways as well as provide funding in the right-of-way including painting of bridge railings, repair to stone walls, painting of mast arm poles and other right-of-way repairs such as ditch and berm maintenance.

**AT1603 Annual Bikeway / Shared-Use Path Maintenance** – Programming includes an annual allocation for crack sealing and sealcoating repairs for shared-use paths along with funding to replace or overlay specifically identified portions of the City's shared-use paths. Preventive Maintenance (PM) will prolong the life of the path system. There are over 130 miles that comprise the shared-use path system in the City; this total does not include the private Muirfield path system. Of the 130 miles, 106 miles are actual shared-use paths, with the remaining being street crossings, trails, and connectors.

## 2016 - 2020 Capital Improvements Program

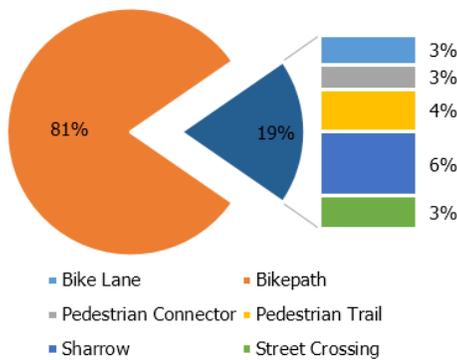
### Transportation – Non-Major Projects

The overall average condition of the shared-use path system is 81.4/100; which equates to good and exceeds the City goal of 80. In order to maintain the bikepath system in at least good condition, staff has completed a comprehensive analysis of bikepath system through the annual inspection process and the development of a five-year work plan. Work identified through the work plan includes crack sealing, sealcoating, and resurfacing or replacement.

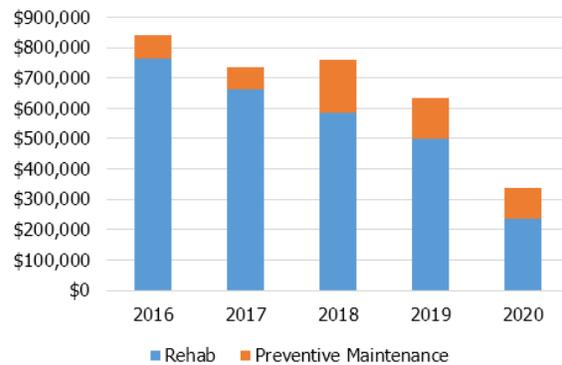
**Planned Shared-Use Path Projects**

CIP Year	No. Projects	Sum Length (ft)	Rehab	PM	Total
2016	123	70,964	\$764,000	\$76,000	\$840,000
2017	64	52,303	\$661,000	\$74,000	\$735,000
2018	131	107,065	\$585,000	\$173,000	\$758,000
2019	112	80,944	\$500,000	\$135,000	\$635,000
2020	87	62,490	\$236,000	\$102,000	\$338,000
<b>Grand Total</b>	<b>517.0</b>	<b>373,766</b>	<b>\$2,746,000</b>	<b>\$559,000</b>	<b>\$3,305,000</b>

**Bikepath Categories**



**Planned Bikepath Maintenance**



## 2016 - 2020 Capital Improvements Program

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### Transportation – Non-Major Projects

**AT1604 Annual Bikeway Connections/Additions** - These funds are programmed to be utilized in areas where roadway projects or developer contributions are not likely to cover the cost of path connections, or in locations where pedestrian safety is an issue. Larger projects, such as funding the design, construction and landscaping of the Dublin Road (south) and Glick Road shared-use paths are included separately in Transportation – Major and details are included in their individual project descriptions. Annually, staff completes a comprehensive review of shared-use path connection/addition needs and has developed a comprehensive plan for completing these projects. The total allocation for 2016 is \$450,000.

For 2016, the following connections/additions are programmed for completion:

General Location	2016 Design Amount	2016 Construction Amount	2016 Total
Metro Place South to Smiley Park	(1)	\$205,500	\$205,500
Dublin Road from Tuttle to Limestone Ridge Drive	(1)	150,000	150,000
Summitview (from Wedgewood Hills Park at Summit View to Campden Lakes Boulevard)	\$42,600 (2)	(3)	42,600
Wedgewood Hill (through Wedgewood Hills Park)	49,400	(3)	49,400
<b>Sub-Total</b>	<b>\$92,000</b>	<b>\$355,500</b>	<b>\$447,500</b>
Adjustment for rounding			2,500
<b>Total</b>			<b>\$450,000</b>

(1) – design funded in 2015.

(2) – detailed design phase.

(3) - construction funded in 2017.

## 2016 - 2020 Capital Improvements Program

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### Transportation – Non-Major Projects

**AT1606 Annual Sidewalk Program** –The City's sidewalk maintenance program started in 2004 as a courtesy and is available to assist the residents with sidewalk maintenance and repairs. Legally, the repair and maintenance of the sidewalks are the responsibility of the property owner(s). The City attempts to incorporate requests as soon as possible. This depends on many factors, such as the severity of the deficiency, the other repair work needed in the area and how the area compares to other areas in the City. The repairs are prioritized and grouped by severity and amount in a geographic area Street(s), Subdivision(s), etc. for efficiency. Currently, the program focuses on repairing sidewalks that have a vertical separation of 1/2 –inch or greater.

This is an allocation to repair and maintain deficient sidewalks throughout the City. Paying for the cost of sidewalk repairs is unique to the City of Dublin. The more common practice is for the property owner to bear the cost of sidewalk repairs.

Staff is recommending that sidewalk shaving be incorporated into this program as an effective treatment to address trip hazards. This is a maintenance practice that is used by many communities. Funding will be reassessed in upcoming years to reflect the utilization of this new treatment.

**AT1607 Annual Parking Lot Maintenance** – There are 138 inventoried public parking lots in the City of Dublin. Those 138 lots include lots, drives, and on-street parking locations providing 5,089 parking spots for the City. With a goal to raise the condition of the parking lots from an average score of 70.1 to at least 80, staff has completed a comprehensive analysis of all City owned parking lots through the annual inspection process and the development of a five-year work plan. The work plan is comprised of parking lot rehabilitations combined with annual preventive maintenance and is based on the 2014 parking lot inspection data which defines the major work for each parking lot for each year. Additionally, the plan identifies crack sealing and sealcoating needs for the remaining lots; those estimates were calculated and divided by 5 years to determine an annual preventive maintenance estimate. On-Street locations were not inspected, nor are part of the work plan; on-street parking locations will be addressed as part of the street maintenance program. The complete plan can be requested from the City's Public Work's Department.

An annual allocation of \$400,000 per year during the five year period has been programmed for parking lot maintenance projects.

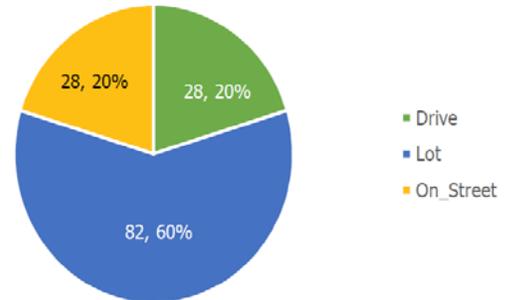
## 2016 - 2020 Capital Improvements Program

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### Transportation – Non-Major Projects

Total Number of Lots	138	
Total number of spaces	5,089	
Total number of handicap spaces	191	
Percentage of handicap spaces	3.8%	
Total Number of Parking Blocks	820	
Total length of Curb	64,185	feet
Total length of Curb	12.2	miles

Types of Public Parking Lots



**AT1608 Annual Pedestrian Tunnel Maintenance** – There are currently 31 pedestrian tunnels within Dublin corporation limits. Of those, 13 meet the Ohio Revised Code’s definition of a bridge<sup>1</sup> and are inventoried and inspected as such; the remaining 18 pedestrian tunnels are included in this work plan.

The work plan is based on the latest inspection data and defines the work for each tunnel for each year in order to meet the average condition goal of 80. The current average rating for all tunnels is 77.8. Preventive maintenance for these structures include: keeping the path surface free of debris and water particularly at the interface of the path and pipe, keeping the concrete joints sealed, and addressing any erosion at the headwalls immediately.

Pedestrian Tunnel Conditions



The complete plan can be requested from the City’s Public Work’s Department.

## 2016 - 2020 Capital Improvements Program

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### Transportation – Non-Major Projects

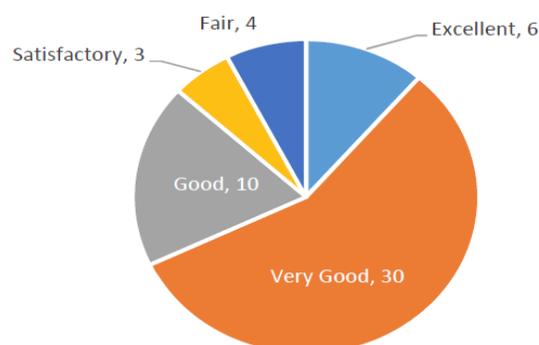
**AT1610 Annual Guardrail Replacement and Maintenance** – This annual allocation will allow for the guardrails within Dublin to be maintained and/or replaced in compliance with current standards.

**AT1611 Annual Bike Rack Installation** – The City, as well as the Bicycle Advisory Task Force (BATF), identified the need for additional bike racks as a result of the increased use of bicycles in the City. Those installations are on-going and an annual allocation is provided. Racks will consist of a mix of standard, custom and functional sculpture bike racks based on location and need.

**AT1612 Annual Bridge Maintenance** – By definition of the Ohio Revised Code, there are currently 86 vehicular bridges within Dublin corporation limits. Of those, Dublin is fully responsible for the maintenance and inspection of 53 bridges and responsible for the routine maintenance of an additional 7 bridges. The remaining bridges are maintained and inspected by the respective County or ODOT. The bridge inventory has recently been thoroughly reviewed and updated.

Of the 53 Dublin maintained bridges, the average condition is calculated to be 7.52 based on the latest inspection data with the City's goal being 8. Staff completed a comprehensive analysis and compiled a five year work plan. The focus of the work plan is to address and prioritize structural problems while also focusing on the driving surface and aesthetics of the bridges. Bridges are an expensive asset to replace and preventive maintenance is key to preserve the life of the cities bridges. Some critical preventive maintenance tasks include: deck sealing, joint cleaning, deck sweeping, cleaning the drainage system, and cleaning and resetting the rockers. It is anticipated many of these preventive maintenance tasks are able to be completed by city maintenance crews, therefore no annual CIP funds are budgeted for that purpose.

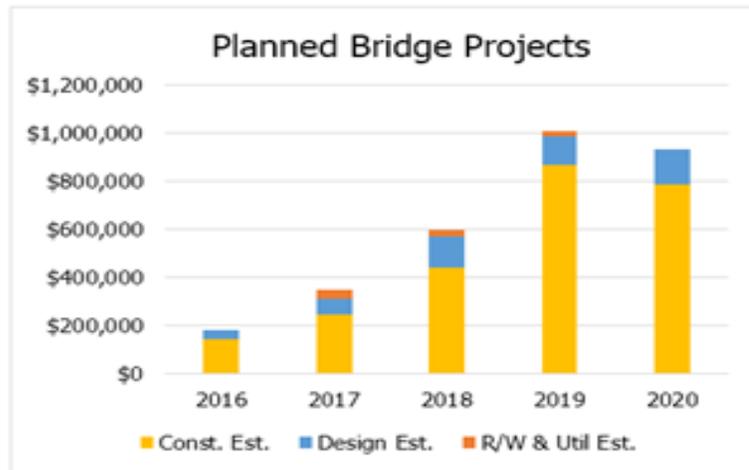
Dublin Maintained Bridge Conditions



## 2016 - 2020 Capital Improvements Program

### Transportation – Non-Major Projects

2016 Planned Work		
Bridges	Area (sf)	Estimate
FRA-BRNDW-0006_(2568845)	2,260	\$59,000
Bridge St Boardwalk	4,320	\$85,000
<b>Grand Total</b>	<b>6,580</b>	<b>\$144,000</b>



<u>Year</u>	<u>No. Projects</u>	<u>Deck Area (sf)</u>	<u>Const. Estimate</u>	<u>Design Estimate</u>	<u>R/W &amp; Utility Estimate</u>	<u>Total Est.</u>
2016	2	6,580	\$144,000	\$36,000	\$0	\$180,000
2017	3	6,523	\$245,000	\$66,000	\$40,000	\$351,000
2018	2	1,840	\$443,000	\$130,000	\$25,000	\$598,000
2019	3	6,488	\$872,000	\$118,000	\$20,000	\$1,010,000
2020	2	3,078	\$790,000	\$142,000	\$0	\$932,000

The complete plan can be requested from the City's Public Work's Department.

## 2016 - 2020 Capital Improvements Program

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### Transportation – Non-Major Projects

**Bridge:** FRA BRNDW 0.06

**SFN:** 2568845

**Description:** BRANDONWAY over N FORK INDIAN RUN

#### Recommended Repairs:

This bridge is a pre-stressed concrete box beam bridge over North Fork of Indian Run and was built in 1986.

Remove and replace the asphalt wearing surface, including drip strip and ODOT 512 Type 3 waterproofing. Provide a minimum of 3" of asphalt thickness. Taper from approach pavement at a 50:1 taper rate. Saw and seal 1" joints at the ends of the deck.

Remove and replace wood railing with updated wood rail design utilizing existing post anchor bolts and spacing.

The asphalt overlay will be performed with the street program and the railing will be replaced as part of the bridge program.

The superstructure of this bridge will be monitored and likely will be replaced in the next 8-10 years.



## 2016 - 2020 Capital Improvements Program

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### Transportation – Non-Major Projects

**Bridge:** Bridge St Boardwalk

**SFN:** N/A

**Description:** Wooden Deck Boardwalk over Tributary to S Fork Indian Run

**Recommended Repairs:**

It is recommended to replace the wood deck boards and railings to arrest deterioration and provide protection to the substructure below. There are an estimated 1,056 2x6 deck boards to replace and an estimated 1,920 l.f. of 2x8 and 960 l.f of 2x10 for the railings. The railing posts are estimated at 460 l.f. of 6x6. The outside fascia boards should be replaced. The substructure should be stained or sealed to offer further protection from the weather. Add rock to areas around the footing where minor erosion has occurred. Jack reach pier bent individually and replace the anchor plates; there are an estimated 46 piers with 2 columns each.



## 2016 - 2020 Capital Improvements Program

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### Transportation – Non-Major Projects

**AT1613**      **Bridge Street Eastbound School Flasher**– This school flasher is located on Bridge Street/US 33/SR 161 just east of Corbin Mill Drive. The project upgrades the existing mast arm to the Bridge Street District standard and provides an upgrade to the school flasher.

Permissive Tax funds will be utilized to the extent possible for this project.

The westbound school flasher was upgraded in 2014.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2016-2020

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
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**WATER DISTRIBUTION SYSTEM \ NONMAJOR PROJECTS**

AW1001	Water Line Replacement	809	0	550	70	580	70	600	1,870	670	2,540
AW0604	Booster Station Maintenance	662	55	0	0	0	0	0	0	0	0
EW0102	Water Tower Maintenance	1,684	0	0	0	0	0	0	0	350	350
EW1301	Water Quality Units	0	0	315	0	0	0	0	315	0	315
<b>9/8/2015</b>	<b>TOTAL</b>	<b>3,155</b>	<b>55</b>	<b>865</b>	<b>70</b>	<b>580</b>	<b>70</b>	<b>600</b>	<b>2,185</b>	<b>1,020</b>	<b>3,205</b>
	TOTAL (Prior Year 2015-2019)	2,570	360	550	70	880	0	n/a		670	2,530
	Percentage Change	23%	-85%	57%	0%	-34%	100%	n/a		52%	27%



## 2016 - 2020 Capital Improvements Program

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### Water Distribution System - Non-Major Projects

**AW1001 Water Line Replacement** - The City's water system is relatively new, however there are areas in the City that have older 2" and 3" main lines that have been identified for replacement with a 6" main line. The smaller lines tend to experience more problems with breaks. Engineering staff has prepared a comprehensive list of areas needing replacement and have completed an analysis of the lines to determine when replacement should occur.

There is funding allocated in 2016, 2017, and 2019 for design, and in 2016, 2018 and 2020 for replacement. The majority of the replacements will take place in Muirfield Village.

**AW0604 Booster Station Maintenance** - This project provides funding in 2015 for engineering studies related to future maintenance and repairs associated with the City's booster stations. Improvements, most likely programmed beyond 2020 will be known based on finalizing the 2015 studies.

**EW0102 Water Tower Maintenance** – This project provides for the interior and exterior painting and other maintenance needs such as electrical equipment replacement associated with the City's existing water towers. Funds programmed beyond 2020 includes exterior painting of the Tartan Tank.

The City's Engineering Division maintains a comprehensive schedule for future water tower maintenance.

**EW1301 Water Quality Units** – Funds in 2016 provide for the installation of Haque water quality units at the Avery Road and Tartan Ridge water towers to improve water quality monitoring in the tanks.

The City of Columbus is currently reviewing equipment alternatives that will minimize the annual maintenance necessary.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2016-2020

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
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**STORMWATER SYSTEM \ NONMAJOR PROJECTS**

AF1601	Annual Stormwater Maintenance	0	560	560	560	575	575	585	2,855	0	2,855
9/8/2015	<b>TOTAL</b>	<b>0</b>	<b>560</b>	<b>560</b>	<b>560</b>	<b>575</b>	<b>575</b>	<b>585</b>	<b>2,855</b>	<b>0</b>	<b>2,855</b>
	TOTAL (Prior Year 2015-2019)	0	560	560	560	560	560	n/a		0	2,800
	Percentage Change	0%	0%	0%	0%	3%	3%	n/a		0%	2%



## 2016 - 2020 Capital Improvements Program

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### Stormwater System - Non-Major Projects

**AF1601 Annual Stormwater Maintenance** - This project provides funding for maintenance of the City's stormwater system as identified in the Stormwater Master Plan. This is an annual maintenance program that was initiated in 2000. The funds are utilized to maintain and repair existing stormwater lines, curb inlets, catch basins, ditches, man-made channels and other structures that discharge stormwater runoff. This is an important component of the City's efforts to meet National Pollutant Discharge Elimination System (NPDES) Phase II regulations.

The yearly allocation is used to fund two projects:

- Inlet maintenance at \$260,000 for a group of inlets;
- Miscellaneous maintenance at \$300,000 on a task-order basis as directed by the City Engineer.

Allocations in years 2018 through 2020 include an allowance for inflation to continue the number of curb inlets for repair in the storm structure maintenance program.