



Hyland Croy Road/Brand Road Roundabout



Dublin Road Water Tower

# 2014-2018

## Capital Improvements Program

### Adopted by Ordinance No. 66-13



**2014 - 2018  
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 Operating Budget, which includes the annual CIP budget.

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

First quarter	City Council goal setting session(s)
End of March	Adoption of goals by City Council
End of June	Completion of the Administration's recommended Five-Year CIP
July/August	City Council review of recommended CIP
End of October	Completion of the Administration's recommended Operating Budget
November	City Council review of recommended Operating Budget
By December 31	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).

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FINANCIAL GUIDELINES**

The Five-Year CIP establishes the City's blueprint for investment in its capital infrastructure. This document is used as a tool to help ensure that 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 that 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. Income tax revenues through July 2013 were up 7.4% compared to the same period of time in 2012. However, revenue from withholding, which represents approximately 80% of the total income tax revenue, has only increased .8% over 2012. Taking this into account, we are projecting income tax revenues for the year to increase 2.2% over 2012. In 2014, we have projected income tax revenues to be even with 2013. However, from 2015 through 2018, revenues are projected to increase 1.0% each year.

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.

- 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. The City's practice is to maintain a General Fund balance of at least 50% of the General Fund expenditures, including operating transfers. The 2012 General Fund year-end balance equaled 92.5% of General Fund expenditures and operating transfers. The percentage as of the year-end 2013 is projected to remain above 75% at a level similar to that in 2012.
- 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 2012 combined Water and Sewer Fund balances, including advances, equal 18.6% of the total historical value of both systems.

- In 2014, 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 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 (see page 3-2). 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.

**2014 - 2018**  
**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 3 reflects the debt financed projects that are also supported by service payments from tax increment financing districts and property tax revenue from "inside millage."

The current five-year CIP assumes 100% of the OEPA/OWDA low-interest loan for the Upper Scioto West Branch Interceptor will be repaid from Sewer Fund revenues. Based on annual reviews, user charges for the sewer system were increased January 1 of each year from 2008 through 2013. Additionally, effective January 1, 2013, capacity charges were increased 5% for all tap sizes. We continue to closely monitor the revenues and the available resources in the Sewer Fund. Based on maintenance needs of the sanitary sewer system, it is anticipated that additional user charges will be needed in the future.

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
INCOME TAX REVENUE**

	2012	2013	2014	2015	2016	2017	2018
Income Tax Revenue*	\$75,430,513	\$77,120,632	\$77,120,632	\$77,891,838	\$78,670,757	\$79,457,464	\$80,252,039
Revenue for capital projects (25% of income tax revenue)	18,857,628	19,280,158	19,280,158	19,472,960	19,667,689	19,864,366	20,063,010
<sup>1</sup> Revenue available for cash capital projects	7,543,051	7,712,063	7,712,063	7,789,184	7,867,076	7,945,746	8,025,204
<sup>2</sup> Revenue available for debt financed projects	11,314,577	11,568,095	11,568,095	11,683,776	11,800,614	11,918,620	12,037,806
<sup>3</sup> Recommended maximum amount of outstanding debt	115,882,582	116,068,411	109,560,682	107,495,138	106,754,492	106,025,293	112,283,978

\* Income tax revenue for 2012 reflects actual collections.

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

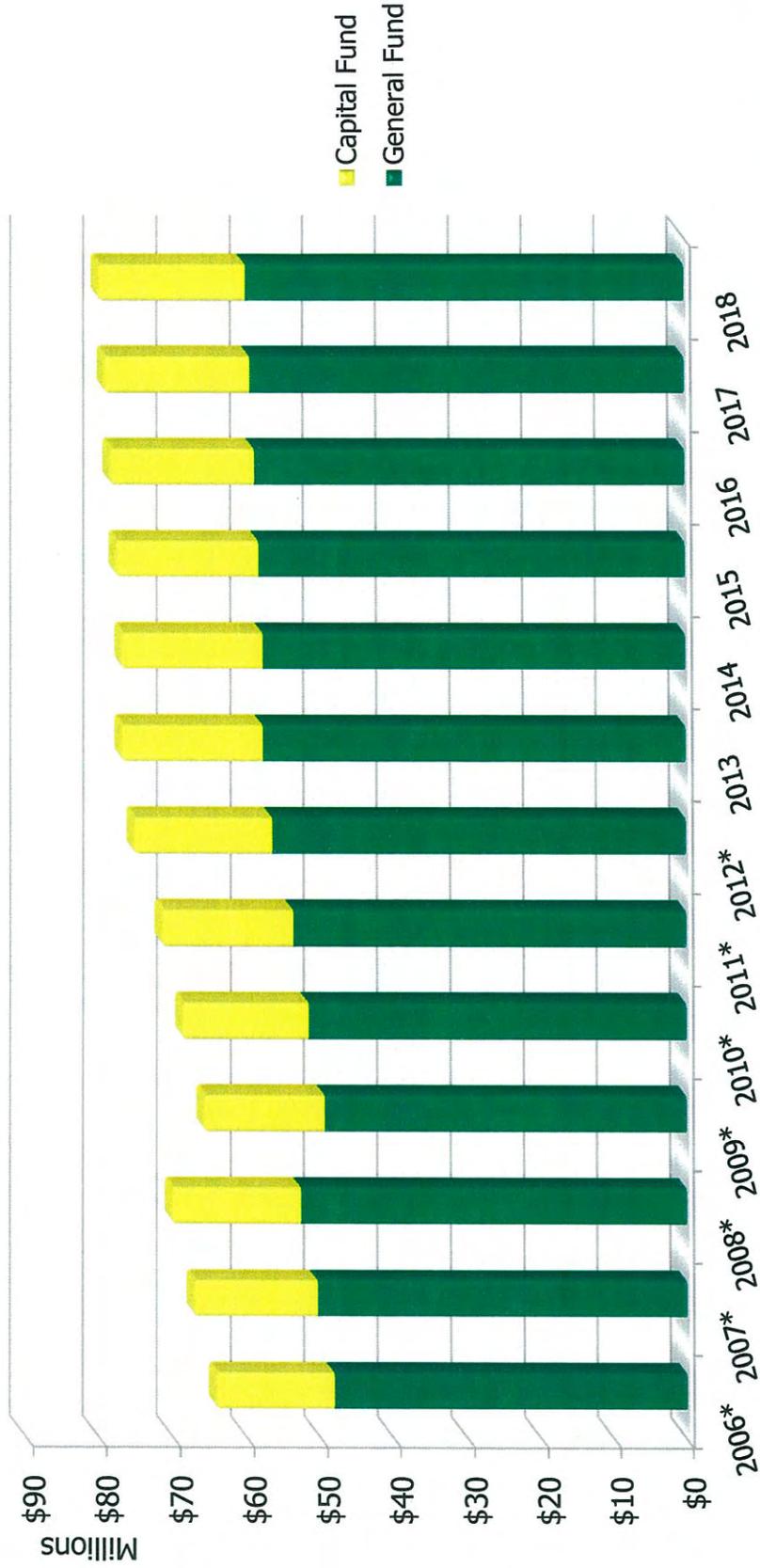
- 2013 - Based on a revised 2013 projection of 2.24% over 2012 (original projection \$74,874,400)
- 2014 - 0%
- 2015 - 1.0%
- 2016 - 1.0%
- 2017 - 1.0%
- 2018 - 1.0%

<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> Forwarded from page 5-3. 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

2014 – 2018  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 INCOME TAX REVENUE



\*Denotes Actual Revenue



2014 - 2018  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 SEWER FUND  
 STATEMENT OF PROJECTED REVENUE, EXPENSES, AND FUND BALANCE

	2013	2014	2015	2016	2017	2018
<b>Revenues:</b>						
User charges	\$ 1,700,000	\$ 1,740,839	\$ 1,836,044	\$ 1,932,569	\$ 2,030,414	\$ 2,046,716
Tap fees	260,000	221,000	221,000	221,000	221,000	221,000
Interest	105,982	88,974	74,475	54,877	27,437	13,363
Other	-	-	-	-	-	-
Income tax subsidy	29,701	-	-	-	-	-
	<u>2,095,682</u>	<u>2,050,813</u>	<u>2,131,519</u>	<u>2,208,446</u>	<u>2,278,851</u>	<u>2,281,080</u>
<b>Expenses:</b>						
Salaries/wages	581,987	605,266	629,477	654,656	680,842	708,076
Benefits/uniforms	245,109	254,913	265,110	275,714	286,743	298,212
Utilities	930	986	1,045	1,108	1,174	1,245
Contract services	50,000	50,000	50,000	50,000	50,000	50,000
Repairs/maintenance	150,000	150,000	150,000	150,000	150,000	150,000
Other	15,000	15,000	15,000	15,000	15,000	15,000
	<u>1,043,025</u>	<u>1,076,165</u>	<u>1,110,631</u>	<u>1,146,478</u>	<u>1,183,759</u>	<u>1,222,533</u>
Capital expenditures (cash funded only)	511,500	265,000	495,000	1,058,000	200,000	200,000
<b>Debt service:</b>						
USWBI	1,350,721	1,350,721	1,350,721	1,350,721	1,350,721	675,560
2009 issue	152,215	155,415	153,562	151,555	154,178	151,513
2012 issue	172,100	170,100	168,100	171,050	168,425	170,750
2015 issue	-	-	160,000	160,000	160,000	160,000
	<u>1,675,036</u>	<u>1,676,236</u>	<u>1,832,383</u>	<u>1,833,326</u>	<u>1,833,324</u>	<u>1,157,823</u>
Net cash (required) provided	(1,133,879)	(966,588)	(1,306,495)	(1,829,357)	(938,231)	(299,276)
Advances-out	-	-	-	-	-	-
Advances-in	-	-	-	-	-	-
Transfers-out						
Transfers-in		200,000	200,000	200,000	200,000	200,000
Beginning balance	<u>7,065,448</u>	<u>5,931,569</u>	<u>4,964,981</u>	<u>3,658,486</u>	<u>1,829,129</u>	<u>890,897</u>
Ending balance	<u>\$ 5,931,569</u>	<u>\$ 4,964,981</u>	<u>\$ 3,658,486</u>	<u>\$ 1,829,129</u>	<u>\$ 890,897</u>	<u>\$ 591,621</u>

**2014 - 2018  
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 56-11.
- Effective January 1, 2012 and January 1, 2013, a reallocation of \$0.25 per MCF in user charges from water to sewer was approved.
- Effective January 1, 2014, an increase of \$0.25 per MCF in user charges for sewer was recommended. An increase of \$0.50 per MCF was recommended effective January 1, 2015, January 1, 2016, and January 1, 2017. These recommendations will be included as part of future cost study recommended changes.
- Capacity charges for all tap sizes were increased 5% effective January 1, 2013 as authorized by Ordinance 64-12.
- Average number of ERUs projected for 2013 reflects a growth of 75 over 2012. This is based on the number of residential building permits issued in 2012 for new units.
- Average number of ERUs for 2013 and beyond 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.
- Estimated ERU growth for 2014 through 2018 is 100 ERUs per year.
- ERU growth beyond 2018 is estimated at 100 ERUs per year through 2022.

**Statement of Projected Revenue, Expenses and Chages 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 1.5 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 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.

**2014 - 2018**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**SEWER FUND ASSUMPTIONS**

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

- The 2012 debt service obligation provides funding to retire the debt on the \$2,540,000 in long-term debt for relining sanitary sewer lines and other sanitary sewer improvements.
- The 2015 debt service issue is based on the current plan to issue \$2.0 million in long-term debt for relining sanitary sewer lines and other sanitary sewer improvements.
- Funding has been programmed during the five year period to provide sewer extensions to areas that need direct access to the public sanitary sewer system.

On February 11, 2009, the Ohio Environmental Protection Agency (OEPA) issued a binding "Director's Final Findings and Orders" (the Findings) to the City. The Findings indicate that the City operates its sanitary sewer system in connection with the City of Columbus sanitary sewer system, and that Columbus cannot comply with its OEPA consent order unless it obtains accurate information about sanitary flow and clear water infiltration and inflow (I and I) that contribute to their sanitary sewer overflows (SSO), from all connected suburban systems.

Pursuant to the Findings, the OEPA ordered the City to 1) complete a Sewer System Evaluation Study (SSES) within either five years (for the entire system) or fifteen years (for a phased-in area-by-area approach), to identify sources and quantities of I and I and SSO, describe all feasible cost-effective actions needed to correct any such identified system deficiencies and establish a task prioritization and timetable for implementing them; 2) issue a Capacity, Management, Operation and Maintenance Program report within three years and update it biannually thereafter, to help best manage the City's sewer system; 3) submit an "SSO Emergency Response Plan" to the OEPA within 180 days to establish a process to identify and report any SSO that endangers the public health; and 4) implement a Public Notification Program within 90 days to inform the public of the location of, and possible health or environmental impacts associated with, any SSO occurrence.

In an effort to reduce I and I in the system, the proceeds from debt issuances undertaken in 2012 as well as programmed in 2015 will be used to finance the relining of existing sanitary sewer lines and other sanitary sewer improvements.

The Statement of Projected Revenue, Expenses and Changes in Sewer Fund Cash Balance were prepared through the year 2022. Using the above assumptions, sufficient revenue to maintain a "positive" cash balance will be available through the year 2022, although the projected balance will not meet the goal of 25% of the historical value of the system assets. The 2012 combined Water and Sewer Fund balances, including advances, equal 18.6% 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.

2014 - 2018  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 WATER FUND  
 STATEMENT OF PROJECTED REVENUE, EXPENSE, AND FUND BALANCE

	2013	2014	2015	2016	2017	2018
<b>Revenues:</b>						
User charges	\$ 575,000	\$ 662,983	\$ 667,339	\$ 671,695	\$ 676,051	\$ 680,407
Tap fees	570,000	189,000	189,000	189,000	189,000	189,000
Interest	90,000	177,156	170,182	177,768	170,479	177,254
Fire hydrant permits/Other	1,800	1,000	1,000	1,000	1,000	1,000
Subsidy for debt service	26,976	-	-	-	-	-
	<u>1,263,776</u>	<u>1,030,139</u>	<u>1,027,521</u>	<u>1,039,463</u>	<u>1,036,530</u>	<u>1,047,661</u>
<b>Expenses:</b>						
Salaries/wages	109,301	113,673	118,220	122,949	127,867	132,982
Benefits/uniforms	47,544	49,446	51,424	53,480	55,620	57,844
Utilities	154,977	161,176	167,623	174,328	181,301	188,553
Equipment maintenance	449	476	505	535	567	601
Contract services	75,000	75,000	50,000	50,000	50,000	50,000
Hydrant maintenance	18,032	18,754	19,504	20,284	21,095	21,939
Other	15,000	15,000	15,000	15,000	15,000	15,000
	<u>420,304</u>	<u>433,525</u>	<u>422,275</u>	<u>436,576</u>	<u>451,450</u>	<u>466,920</u>
Capital expenditures	332,401	1,255,000	453,000	1,441,000	-	850,000
<b>Debt service:</b>						
1994 issue	356,600	356,440	-	-	-	-
2009 issue	141,573	139,873	138,215	141,420	139,168	141,769
2012 issue	157,063	160,213	158,313	156,413	158,963	156,463
	<u>655,236</u>	<u>656,526</u>	<u>296,528</u>	<u>297,833</u>	<u>298,131</u>	<u>298,232</u>
Net cash (required) provided	(144,164)	(1,314,912)	(144,282)	(1,135,946)	286,949	(567,490)
Advances-out	-	-	-	-	-	-
Advances-in	850,000	850,000	650,000	650,000	164,750	-
Transfers-out	-	-	-	-	-	-
Transfers-in	-	200,000	200,000	200,000	200,000	200,000
Beginning balance	<u>11,104,551</u>	<u>11,810,386</u>	<u>11,345,474</u>	<u>11,851,192</u>	<u>11,365,246</u>	<u>11,816,945</u>
Ending balance	<u>\$ 11,810,386</u>	<u>\$ 11,345,474</u>	<u>\$ 11,851,192</u>	<u>\$ 11,365,246</u>	<u>\$ 11,816,945</u>	<u>\$ 11,249,454</u>

**2014 – 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
WATER FUND ASSUMPTIONS**

The following information provides the assumptions used in the analysis.

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

Assumptions:

- Revenues based on ERUs and authorized fees established by Ordinance 56-11.
- Effective January 1, 2012 and January 1, 2013, a reallocation of \$0.25 per MCF in user charges from water to sewer was approved.
- Capacity charges for all tap sizes were increased 5% effective January 1, 2013 as authorized by Ordinance 64-12.
- Average number of ERUs projected for 2013 reflects a growth of 75 over 2012. This is based on the number of residential building permits issued in 2012 for new units.
- Average number of ERUs for 2013 and beyond 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.
- Estimated ERU growth for 2014 through 2018 is 100 ERUs per year.
- ERU growth beyond 2018 is estimated at 100 ERUs per year through 2022.

**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 1994 debt service obligation provides funding to retire the debt on the \$4,100,000 in long-term debt issued for the Rings/Blazer water tower.
- 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, install water quality units at Avery

**2014 – 2018**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**WATER FUND ASSUMPTIONS**

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

- Road and Tartan Ridge and to install a 16-inch waterline from Avery Road to the relocated Rings Road.
- Funding has been programmed to replace water lines in 2014, 2016, and 2018. 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.
- Funding has been programmed during the five year period to provide water extensions to areas that need direct access to the public water system.

The Statement of Projected Revenue, Expenses and Changes in Water Fund Cash Balance were prepared through the year 2022. 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.

**2014 - 2018**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**MUNICIPAL DEBT**

This section provides information on the long-term debt obligations outstanding at December 31, 2012, 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.

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
LONG-TERM DEBT OBLIGATIONS  
As of December 31, 2012**

	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	
<b>Unvoted G.O. Bonds</b>							
Rings/Blazer Water Tower	10/15/94	12/01/14	\$ 4,100,000	\$ 650,000	\$ -	\$ -	\$ 650,000
Upper Scioto West Branch <sup>2</sup>	01/01/99	07/01/18	18,220,406	6,554,134	-	-	6,554,134
Avery-Muirfield Interchange	09/01/99	12/01/19	8,316,788	3,735,000	-	3,735,000	-
Rings Road Improvements (TIF)	12/01/00	12/01/20	3,535,000	1,860,616	-	-	1,860,616
Arts Facility Acquisition	12/01/00	12/01/20	1,360,000	709,599	-	-	709,599
Arts Facility Renovation	12/01/00	12/01/20	755,000	396,758	-	-	396,758
Perimeter Drive Extension (TIF)	12/01/00	12/01/20	3,940,000	2,079,528	-	-	2,079,528
Emerald Parkway-Phase 7A (TIF)	12/01/00	12/01/20	2,020,000	1,063,499	-	-	1,063,499
Service Complex	12/01/01	12/01/21	3,675,000	2,026,478	-	2,026,478	-
Municipal Pool South (OMB)	07/01/04	01/01/25	2,986,000	2,086,000	-	2,086,000	-
Industrial Pkwy/SR 161 Improvements	11/18/09	12/01/29	9,670,000	8,530,000	-	-	8,530,000
Darree Fields Water Tower	11/18/09	12/01/29	2,015,000	1,780,000	-	-	1,780,000
Sanitary Sewer Lining	11/18/09	12/01/29	2,220,000	1,955,000	-	-	1,955,000
LED Street Lights	10/02/12	12/01/22	2,185,000	2,185,000	-	2,185,000	-
Dublin Road Water Tower	10/02/12	12/01/22	2,360,000	2,360,000	-	-	2,360,000
Sanitary Sewer Lining	10/02/12	12/01/22	2,540,000	2,540,000	-	-	2,540,000
<b>Total</b>			<b>69,898,194</b>	<b>40,511,612</b>	<b>-</b>	<b>10,032,478</b>	<b>30,479,134</b>
<b>Unvoted Special Assessment Bonds</b>							
2001 Special Assessment	12/01/01	12/01/21	1,700,000	943,522	-	-	943,522
<b>Total</b>			<b>1,700,000</b>	<b>943,522</b>	<b>-</b>	<b>-</b>	<b>943,522</b>
<b>Voted G.O. Bonds</b>							
Community Recreation Center-Exp.	10/15/98	12/01/18	3,998,000	1,411,000	-	1,411,000	-
Emerald Parkway Bridge	10/15/98	12/01/17	7,518,000	2,496,000	-	2,496,000	-
Emerald Parkway, Phase 2 (TIF)	10/15/98	12/01/16	7,874,000	2,173,000	-	-	2,173,000
Woerner Temple Road	12/01/00	12/01/20	5,555,000	2,734,425	-	-	2,734,425
Emerald Parkway Overpass-Phase 7	12/01/00	12/01/20	6,565,000	3,235,727	-	3,235,727	-
Coffman Park Expansion	12/01/00	12/01/20	3,135,000	1,574,849	-	-	1,574,849
<b>Total</b>			<b>34,645,000</b>	<b>13,625,001</b>	<b>-</b>	<b>7,142,727</b>	<b>6,482,274</b>
<b>Voted Special Assessment Bonds</b>							
Tuller Road	10/15/94	12/01/14	1,185,000	195,000	-	-	195,000
<b>Other Long-term Obligations</b>							
Ayrshire Drive Culvert (OPWC)	07/01/04	01/01/14	279,748	41,962	-	41,962	-
			<b>279,748</b>	<b>41,962</b>	<b>-</b>	<b>41,962</b>	<b>-</b>
<b>Total Long-term Debt</b>			<b>\$ 107,707,942</b>	<b>\$ 55,317,097</b>	<b>\$ -</b>	<b>\$ 17,217,167</b>	<b>\$ 38,099,930</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.

**2014 - 2018**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**PROJECTED LONG-TERM DEBT SCHEDULE**  
**(Income tax supported debt only)**

	2012	2013	2014	2015	2016	2017	2018
Principal outstanding at the beginning of the year	\$ 16,965,496	\$ 17,217,167	\$ 15,167,343	\$ 24,429,434	\$ 63,687,102	\$ 61,347,938	\$ 58,957,951
Principal retired <sup>1</sup>	1,933,329	2,049,824	2,257,909	2,292,332	2,339,164	2,389,987	1,873,222
Principal issued <sup>2</sup>	2,185,000	-	11,520,000	41,550,000	-	-	-
Principal outstanding at the end of the year	<u>\$ 17,217,167</u>	<u>\$ 15,167,343</u>	<u>\$ 24,429,434</u>	<u>\$ 63,687,102</u>	<u>\$ 61,347,938</u>	<u>\$ 58,957,951</u>	<u>\$ 57,084,729</u>
Recommended maximum amount of long-term debt <sup>3</sup>	<u>\$ 115,882,582</u>	<u>\$ 116,068,411</u>	<u>\$ 109,560,682</u>	<u>\$ 107,495,138</u>	<u>\$ 106,754,492</u>	<u>\$ 106,025,293</u>	<u>\$ 112,283,978</u>

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

<sup>2</sup> Issuance of debt based on major project listing and anticipated funding schedule.

The following issues are anticipated:

- 2014 - \$5,520,000 Justice Center Renovation
- \$6,000,000 Dublin Village Center Roadway Network
- 2015 - \$8,000,000 270/33 Interchange Construction
- \$3,500,000 Riverside Dr/161 Roundabout
- \$9,500,000 Riverside Dr Realignment
- \$7,800,000 Riverside Park
- \$12,750,000 Scioto River Pedestrian Bridge

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

**2014 - 2018**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**DEBT SERVICE PAYMENTS DUE**  
**(Income tax supported debt only)**

Debt Issue	2012	2013	2014	2015	2016	2017	2018
Community Recreation Center Expansion (2018)	\$ 283,133	\$ 281,472	\$ 279,753	\$ 280,583	\$ 278,172	\$ 268,092	\$ 191,012
Socioto (Emerald Parkway) Bridge Construction (2017)	561,790	559,350	557,770	560,160	554,040	533,520	-
Avery-Muirfield/US 33 interchange (2019)	638,347	575,150	575,050	574,750	574,250	575,775	577,000
Woerner-Temple extension (2019)	-	-	-	-	-	-	-
Emerald Pkwy-Perimeter/Shier Rings (2019)	525,042	523,991	566,106	543,886	533,675	534,355	537,275
Service Complex expansion (2021)	276,240	275,557	278,219	276,257	276,530	276,598	275,233
Swimming Pool Construction (2025)	222,883	222,066	220,888	220,342	218,459	217,241	216,636
Anyshire Drive culvert-OPWC loan (2014)	27,975	27,975	13,987	-	-	-	-
Land acquisition-economic development	-	-	-	-	-	-	-
Industrial Parkway/SR 161 improvements <sup>1</sup>	-	-	-	-	-	-	-
LED street lighting	8,907	133,550	265,600	266,250	261,850	261,775	266,550
Reserved for US 33/SR 161/Post interchange	-	-	-	500,000	500,000	500,000	500,000
Reserved for Eiterman Road relocation	-	-	321,900	321,900	321,900	321,900	321,900
Justice Center Addition (2014)	-	-	441,600	441,600	441,600	441,600	441,600
Dublin Village Center-Phase I Roadway Construction (2014)	-	-	480,000	480,000	480,000	480,000	480,000
I-270/US 33/SR 161 interchange-Phase I (2015 Issue-Construction)	-	-	-	640,000	640,000	640,000	640,000
Riverside Dr/161 Roundabout (2015)	-	-	-	280,000	280,000	280,000	280,000
Riverside Dr Realignment (2015)	-	-	-	760,000	760,000	760,000	760,000
Riverside Dr Park (2015)	-	-	-	624,000	624,000	624,000	624,000
Pedestrian Bridge (2015)	-	-	-	1,020,000	1,020,000	1,020,000	1,020,000
<b>Total</b>	<b>\$ 2,544,318</b>	<b>\$ 2,599,111</b>	<b>\$ 4,000,873</b>	<b>\$ 7,789,728</b>	<b>\$ 7,764,476</b>	<b>\$ 7,734,856</b>	<b>\$ 7,131,206</b>
Income tax revenue available for debt retirement (from page 3-2)	\$ 11,314,577	\$ 11,568,095	\$ 11,568,095	\$ 11,683,776	\$ 11,800,614	\$ 11,918,620	\$ 12,037,806
Balance available <sup>3</sup>	\$ 8,770,259	\$ 8,968,984	\$ 7,567,222	\$ 3,894,048	\$ 4,036,138	\$ 4,183,764	\$ 4,906,600
Amount of additional debt that could be supported <sup>4</sup>	\$ 109,628,239	\$ 112,112,298	\$ 94,590,276	\$ 48,675,596	\$ 50,451,727	\$ 52,297,048	\$ 61,332,500
Recommended maximum amount of additional debt	\$ 98,665,415	\$ 100,901,068	\$ 85,131,248	\$ 43,808,036	\$ 45,406,554	\$ 47,067,343	\$ 55,199,250

<sup>1</sup> Beginning in 2011, the annual debt obligations will be paid from the Perimeter West TIF Fund.

<sup>2</sup> Estimated debt service obligations; Estimate assumes 20 year bonds at 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.

**2014 - 2018**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**DEBT SERVICE PAYMENTS DUE**  
**(Debt supported by sources other than income tax revenue)**

	2012	2013	2014	2015	2016	2017	2018
<b>Service Payments</b>							
Emerald Parkway-Phase 2 (2016) <sup>1</sup>	\$ 650,540	\$ 654,040	\$ 646,240	\$ 548,420	\$ 494,000	\$ -	\$ -
Rings Road improvements (2020) <sup>1</sup>	272,801	271,128	270,479	269,358	274,081	274,890	276,874
Woerner-Temple Road (2020) <sup>2</sup>	446,043	445,136	480,900	462,007	448,662	449,263	452,222
Perimeter Drive extension (2020) <sup>1</sup>	305,573	303,697	302,971	301,714	305,874	306,777	308,990
Emerald Parkway-Phase 7A (2020) <sup>1</sup>	157,391	156,422	156,048	155,400	155,678	156,137	157,264
Industrial Parkway/SR 161 Improvements <sup>1</sup>	668,990	671,190	673,190	670,195	671,428	670,792	669,200
Emerald Parkway-Phase 8 <sup>3</sup>	-	-	760,000	760,000	760,000	760,000	760,000
I-270/US 33/SR 161 Interchange-Phase 1 (2013/2014 Issue) <sup>4</sup>	-	-	1,202,500	1,202,500	1,202,500	1,202,500	1,202,500
	<b>\$ 2,501,338</b>	<b>\$ 2,501,613</b>	<b>\$ 3,289,828</b>	<b>\$ 3,167,094</b>	<b>\$ 3,109,723</b>	<b>\$ 2,617,859</b>	<b>\$ 2,624,550</b>
<b>Water and Sewer Funds</b>							
Rings/Blazer Water Tower (2014)	\$ 355,480	\$ 356,600	\$ 356,440	\$ -	\$ -	\$ -	\$ -
Upper Scioto West Branch (2018)	1,350,725	1,350,725	1,350,725	1,350,725	1,350,725	1,350,725	1,350,725
Darree Fields Water Tower (2029)	138,173	141,573	139,873	138,215	141,420	139,168	141,769
Dublin Road Water Tower (2032)	11,138	157,063	160,213	158,313	156,413	158,963	156,463
Sewer Line Repairs (2029)	154,014	152,214	155,414	153,562	151,555	154,178	151,512
Sewer Line Repairs (2032)	11,980	172,100	170,100	168,100	171,050	168,425	170,750
Sewer System Improvements (2015)	-	-	-	148,000	148,000	148,000	148,000
	<b>\$ 2,021,511</b>	<b>\$ 2,330,275</b>	<b>\$ 2,332,765</b>	<b>\$ 2,116,915</b>	<b>\$ 2,119,163</b>	<b>\$ 2,119,459</b>	<b>\$ 1,443,859</b>
<b>Special Assessments</b>							
Tuller Road	\$ 108,240	\$ 107,480	\$ 106,400	\$ -	\$ -	\$ -	\$ -
Ballantrae Improvements	128,616	128,299	129,537	128,624	128,752	128,784	128,148
	<b>\$ 236,856</b>	<b>\$ 235,779</b>	<b>\$ 235,937</b>	<b>\$ 128,624</b>	<b>\$ 128,752</b>	<b>\$ 128,784</b>	<b>\$ 128,148</b>
<b>Property Taxes (Inside millage)</b>							
Parkland acquisition-Coffman Park (2020)	\$ 225,684	\$ 225,243	\$ 242,632	\$ 233,445	\$ 236,700	\$ 238,820	\$ 239,540
Metro Park contribution (2017)	385,000	385,000	385,000	385,000	385,000	385,000	-
Reserved for US 33/SR 161/Post interchange <sup>5</sup>	-	-	-	1,560,000	1,560,000	1,560,000	1,560,000
	<b>\$ 610,684</b>	<b>\$ 610,243</b>	<b>\$ 627,632</b>	<b>\$ 2,178,445</b>	<b>\$ 2,181,700</b>	<b>\$ 2,183,820</b>	<b>\$ 1,799,540</b>
<b>Hotel/Motel Tax Revenues</b>							
Arts Facility	\$ 163,280	\$ 162,277	\$ 161,889	\$ 161,217	\$ 162,254	\$ 162,734	\$ 163,909
	<b>\$ 5,533,669</b>	<b>\$ 5,840,187</b>	<b>\$ 6,648,051</b>	<b>\$ 7,752,295</b>	<b>\$ 7,701,592</b>	<b>\$ 7,212,656</b>	<b>\$ 6,160,006</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 Fund and then repaid during the term of the TIF.  
<sup>3</sup> Estimated debt service obligations; Estimate assumes 20 year bonds at 5% and level payments.  
<sup>4</sup> Estimated debt service obligations; Estimate assumes 10 year bonds at 5% and level payments.  
<sup>5</sup> Amounts in 2009-2011 transferred to the COIC Improvement Fund.

*Highlighted rows indicate anticipated future debt.*

**2014 - 2018**  
**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.

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED PROJECTS**

PROJECT	TOTAL COST	PRIOR YEAR(S)	2013	2014	2015	2016	2017	2018	TOTAL 2014-2018
ET0103									
Tuttle Crossing Boulevard extension-Wilcox Road to Avery Road (TIF)									
Architectural\Engineering fees	367,000	2,000	365,000	1,900,000					0
Acquisition	1,911,000	11,000							1,900,000
Construction	0								0
Other Expenses	0								0
<b>Total</b>	<b>2,278,000</b>	<b>13,000</b>	<b>365,000</b>	<b>1,900,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,900,000</b>
ET0104									
Emerald Parkway-Riverside Drive to Billingsley Creek (TIF)									
Architectural\Engineering fees	1,190,000	815,000		375,000					375,000
Acquisition	3,818,000	3,818,000							0
Construction	12,085,000	85,000	9,500,000	2,500,000	175,000				2,500,000
Other Expenses	340,000			165,000					340,000
<b>Total</b>	<b>17,433,000</b>	<b>4,718,000</b>	<b>9,500,000</b>	<b>3,040,000</b>	<b>175,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,215,000</b>
ET1119									
Relocated Rings Road									
Architectural\Engineering fees	250,000		250,000						0
Acquisition	350,000			350,000					350,000
Construction	2,800,000				2,800,000				2,800,000
Other expenses	100,000					100,000			100,000
<b>Total</b>	<b>3,500,000</b>	<b>0</b>	<b>250,000</b>	<b>350,000</b>	<b>2,800,000</b>	<b>100,000</b>	<b>0</b>	<b>0</b>	<b>3,250,000</b>
ET1202									
Frantz Road utility burial (TIF)									
Architectural\Engineering fees	105,000	105,000							0
Acquisition	300,000		300,000						0
Construction	1,700,000			1,700,000					1,700,000
Other expenses	0								0
<b>Total</b>	<b>2,105,000</b>	<b>105,000</b>	<b>300,000</b>	<b>1,700,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,700,000</b>
ET0810									
Frantz Road-Dublin Road connector (Potential TIF)									
Architectural\Engineering fees	229,000	229,000							0
Acquisition	0								0
Construction	2,650,000			2,650,000					2,650,000
Other expenses	55,000				55,000				55,000
<b>Total</b>	<b>2,934,000</b>	<b>229,000</b>	<b>300,000</b>	<b>2,650,000</b>	<b>0</b>	<b>55,000</b>	<b>0</b>	<b>0</b>	<b>2,705,000</b>
ET1101									
Railroad Quiet Zones									
Architectural\Engineering fees	10,000	10,000							0
Acquisition	0								0
Construction	470,000			470,000					470,000
Other expenses	15,000			15,000					15,000
<b>Total</b>	<b>495,000</b>	<b>10,000</b>	<b>0</b>	<b>485,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>485,000</b>
ET1402									
Avery Road widening - Woerner Temple to Rings Road West (TIF)									
Architectural\Engineering fees	530,000			530,000					530,000
Acquisition	85,000	85,000							0
Construction	0								0
Other expenses	0								0
<b>Total</b>	<b>615,000</b>	<b>0</b>	<b>85,000</b>	<b>530,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>530,000</b>
ET1403									
Riverside Drive Realignment									
Architectural\Engineering fees	322,000	147,000		175,000					175,000
Acquisition	3,528,000	3,528,000			9,500,000				0
Construction	9,500,000					150,000			9,500,000
Other expenses	150,000					150,000			150,000
<b>Total</b>	<b>13,500,000</b>	<b>3,675,000</b>	<b>0</b>	<b>175,000</b>	<b>9,500,000</b>	<b>150,000</b>	<b>0</b>	<b>0</b>	<b>9,825,000</b>

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED PROJECTS**

PROJECT	TOTAL COST	PRIOR YEAR(S)	2013	2014	2015	2016	2017	2018	TOTAL 2014-2018
ET1404									
Dublin Village Center Roadway Network phase 1									
Architectural\Engineering fees	0								0
Acquisition	0								0
Construction	6,000,000			6,000,000					6,000,000
Other expenses	0								0
<b>Total</b>	<b>6,000,000</b>	<b>0</b>	<b>0</b>	<b>6,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,000,000</b>
ET0405									
Hyland-Croy Road/Brand Road (TIF)									
Architectural\Engineering fees	355,000	355,000							0
Acquisition	215,000	215,000	3,200,000						0
Construction	3,202,000	2,000							0
Other expenses	30,000			30,000					30,000
<b>Total</b>	<b>3,802,000</b>	<b>572,000</b>	<b>3,200,000</b>	<b>30,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30,000</b>
ET0410									
Avery-Muirfield Drive/Perimeter Loop/Perimeter Drive intersection (TIF)									
Architectural\Engineering fees	1,146,000	646,000		500,000					500,000
Acquisition	770,000	120,000			650,000				650,000
Construction	5,813,000	2,313,000				3,500,000			3,500,000
Other expenses	194,000	119,000						75,000	75,000
<b>Total</b>	<b>7,923,000</b>	<b>3,198,000</b>	<b>0</b>	<b>500,000</b>	<b>650,000</b>	<b>3,500,000</b>	<b>0</b>	<b>75,000</b>	<b>4,725,000</b>
ET0508									
Riverside Drive/SR161(TIF)									
Architectural\Engineering fees	406,000	216,000		190,000					190,000
Acquisition	5,368,000	38,000	5,330,000						0
Construction	3,500,000				3,500,000				3,500,000
Other expenses	290,000					290,000			290,000
<b>Total</b>	<b>9,564,000</b>	<b>254,000</b>	<b>5,330,000</b>	<b>190,000</b>	<b>3,500,000</b>	<b>290,000</b>	<b>0</b>	<b>0</b>	<b>3,980,000</b>
ET0511									
Avery-Muirfield/Tullymore/Valley Stream/Avery Road									
Architectural\Engineering fees	130,000	130,000							0
Acquisition	0	0							0
Construction	400,000				400,000				400,000
Other expenses	45,000				45,000				45,000
<b>Total</b>	<b>575,000</b>	<b>130,000</b>	<b>0</b>	<b>0</b>	<b>445,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>445,000</b>
ET0605									
Sawmill Road/Hard Road (TIF)									
Architectural\Engineering fees	381,000	306,000		75,000					0
Acquisition	148,000	13,000		135,000					0
Construction	2,450,000								2,450,000
Other expenses	5,000			5,000					5,000
<b>Total</b>	<b>2,984,000</b>	<b>319,000</b>	<b>210,000</b>	<b>2,455,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,455,000</b>
ET0809									
Hyland Croy Road/McKitrack Road									
Architectural\Engineering fees	180,000		180,000						0
Acquisition	50,000			50,000					50,000
Construction	1,200,000						1,200,000		1,200,000
Other expenses	20,000						20,000		20,000
<b>Total</b>	<b>1,450,000</b>	<b>0</b>	<b>180,000</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>1,220,000</b>	<b>0</b>	<b>1,270,000</b>
ET1401									
I-270/US 33 Interchange phase 1 improvements (TIF)									
Architectural\Engineering fees	5,750,000	500,000		1,500,000					1,500,000
Acquisition	4,000,000		3,750,000						4,000,000
Construction	8,000,000				8,000,000				8,000,000
Other expenses	0	0							0
<b>Total</b>	<b>17,750,000</b>	<b>500,000</b>	<b>3,750,000</b>	<b>5,500,000</b>	<b>8,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,500,000</b>
ET1003									
Dublin Road/Glick Road intersection improvements									
Architectural\Engineering fees	253,000	193,000	60,000						0
Acquisition	0	0							0
Construction	500,000			500,000					500,000
Other expenses	0	0							0
<b>Total</b>	<b>753,000</b>	<b>193,000</b>	<b>60,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>500,000</b>

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED PROJECTS**

	PROJECT	TOTAL COST	PRIOR YEAR(S)	2013	2014	2015	2016	2017	2018	TOTAL 2014-2018
ET1102	US33/SR 161/Post Road interim interchange improvements (TIF)									
	Architectural\Engineering fees	109,000	109,000							0
	Acquisition	0								0
	Construction	1,000,000			1,000,000					1,000,000
	Other expenses	0								0
	<b>Total</b>	<b>1,109,000</b>	<b>109,000</b>	<b>0</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,000,000</b>
ET1205	Coffman Road/Brand Road									
	Architectural\Engineering fees	113,000	113,000							0
	Acquisition	100,000		100,000						0
	Construction	1,450,000		1,450,000						0
	Other expenses	385,000		320,000	65,000					65,000
	<b>Total</b>	<b>2,048,000</b>	<b>113,000</b>	<b>1,870,000</b>	<b>65,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65,000</b>
ET1521	Muirfield Drive/Memorial Drive									
	Architectural\Engineering fees	50,000			50,000					50,000
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	<b>Total</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>
ET1302	SR 161/Hyland-Croy Road temporary intersection improvement (TIF)									
	Architectural\Engineering fees	40,000			40,000					40,000
	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>0</b>	<b>40,000</b>	<b>0</b>	<b>300,000</b>	<b>0</b>	<b>0</b>	<b>340,000</b>
ET1101	Avery Road/Brand Road intersection (TIF)									
	Architectural\Engineering fees	50,000			50,000					50,000
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	<b>Total</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>50,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50,000</b>
ET1004	Brand Road shared-use path									
	Architectural\Engineering fees	206,000	206,000							0
	Acquisition	0								0
	Construction	700,000		700,000						0
	Other expenses	10,000			10,000					10,000
	<b>Total</b>	<b>916,000</b>	<b>206,000</b>	<b>700,000</b>	<b>10,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10,000</b>
ET1203	Dublin Road South shared-use path									
	Architectural\Engineering fees	246,000	246,000							0
	Acquisition	281,000	41,000	240,000						0
	Construction	1,929,000	229,000	300,000	1,400,000					1,400,000
	Other expenses	5,000		5,000						5,000
	<b>Total</b>	<b>2,461,000</b>	<b>516,000</b>	<b>540,000</b>	<b>1,405,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,405,000</b>
ET1204	Glick Road shared-use path									
	Architectural\Engineering fees	297,000	82,000	95,000	120,000					120,000
	Acquisition	60,000		60,000						0
	Construction	1,016,000	196,000	320,000	500,000					500,000
	Other expenses	10,000			10,000					10,000
	<b>Total</b>	<b>1,383,000</b>	<b>278,000</b>	<b>475,000</b>	<b>630,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>630,000</b>
ET1104	Muirfield Drive bike lanes									
	Architectural\Engineering fees	300,000	50,000	250,000						0
	Acquisition	0								0
	Construction	1,210,000		1,210,000						1,210,000
	Other expenses	0								0
	<b>Total</b>	<b>1,510,000</b>	<b>50,000</b>	<b>250,000</b>	<b>1,210,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,210,000</b>
	<b>Total Transportation</b>	<b>103,528,000</b>	<b>15,188,000</b>	<b>27,065,000</b>	<b>30,165,000</b>	<b>22,620,000</b>	<b>3,595,000</b>	<b>4,820,000</b>	<b>75,000</b>	<b>61,275,000</b>

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED PROJECTS**

PROJECT	TOTAL COST	PRIOR YEAR(S)	TOTAL					TOTAL 2014-2018
			2013	2014	2015	2016	2017	
GR9901								
Darree Fields development								
Architectural\Engineering fees	644,000	609,000		35,000				35,000
Acquisition	552,000	552,000						0
Construction	6,281,000	4,571,000	60,000	10,000	375,000	190,000	240,000	835,000
Other expenses	75,000	75,000						0
<b>Total</b>	<b>7,552,000</b>	<b>5,807,000</b>	<b>60,000</b>	<b>45,000</b>	<b>375,000</b>	<b>190,000</b>	<b>240,000</b>	<b>835,000</b>
GR9903								
Amberleigh Community Park development								
Architectural\Engineering fees	184,000	144,000	40,000					0
Acquisition	732,000	732,000		320,000				0
Construction	1,695,000	1,375,000						320,000
Other expenses	0	0						0
<b>Total</b>	<b>2,611,000</b>	<b>2,251,000</b>	<b>40,000</b>	<b>320,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>320,000</b>
GR9904								
Emerald Fields development								
Architectural\Engineering fees	250,000	195,000					55,000	55,000
Acquisition	1,220,000	1,220,000		95,000		90,000		0
Construction	4,270,000	3,745,000	3,570,000		1,300,000	20,000	740,000	2,060,000
Other expenses	0	0						0
<b>Total</b>	<b>5,740,000</b>	<b>5,160,000</b>	<b>0</b>	<b>95,000</b>	<b>1,300,000</b>	<b>110,000</b>	<b>740,000</b>	<b>2,345,000</b>
GR9902								
Coffman Park expansion								
Architectural\Engineering fees	593,000	308,000		95,000				100,000
Acquisition	0	0						0
Construction	5,630,000	3,745,000	3,570,000		1,300,000	20,000	740,000	2,060,000
Other expenses	0	0						0
<b>Total</b>	<b>6,223,000</b>	<b>308,000</b>	<b>3,570,000</b>	<b>95,000</b>	<b>1,300,000</b>	<b>110,000</b>	<b>740,000</b>	<b>2,345,000</b>
GR1114								
Holder-Wright Farm and Earthworks								
Architectural\Engineering fees	190,000	110,000			80,000			80,000
Acquisition	0	0						0
Construction	1,170,000	0	370,000			800,000		800,000
Other expenses	0	0						0
<b>Total</b>	<b>1,360,000</b>	<b>110,000</b>	<b>370,000</b>	<b>0</b>	<b>80,000</b>	<b>800,000</b>	<b>0</b>	<b>880,000</b>
AL1402								
Parkland acquisition								
Acquisition	3,900,000		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>3,250,000</b>
GR1302								
Scioto River pedestrian bridge								
Architectural\Engineering fees	595,000		295,000	300,000				300,000
Acquisition	1,000,000		1,000,000					0
Construction	12,000,000			12,000,000				12,000,000
Other expenses	750,000			750,000				750,000
<b>Total</b>	<b>14,345,000</b>	<b>0</b>	<b>1,295,000</b>	<b>300,000</b>	<b>12,750,000</b>	<b>0</b>	<b>0</b>	<b>13,050,000</b>
GR1303								
Riverside Park								
Architectural\Engineering fees	235,000		85,000	150,000				150,000
Acquisition	0							0
Construction	7,800,000			7,800,000				7,800,000
Other expenses	0							0
<b>Total</b>	<b>8,035,000</b>	<b>0</b>	<b>85,000</b>	<b>150,000</b>	<b>7,800,000</b>	<b>0</b>	<b>0</b>	<b>7,950,000</b>
<b>Total Parks</b>	<b>49,766,000</b>	<b>13,636,000</b>	<b>6,070,000</b>	<b>1,560,000</b>	<b>22,955,000</b>	<b>1,750,000</b>	<b>2,210,000</b>	<b>30,060,000</b>

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED PROJECTS**

PROJECT	TOTAL COST	PRIOR YEAR(S)	2013	2014	2015	2016	2017	2018	TOTAL
									2014-2018
ES0701									
Sewer lining and repair									
Architectural\Engineering fees	0								0
Acquisition	0								0
Construction	8,181,000	6,681,000			1,500,000				1,500,000
Other expenses	0								0
<b>Total</b>	<b>8,181,000</b>	<b>6,681,000</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,500,000</b>
ES1402									
Sewer extensions									
Architectural\Engineering fees	770,000			65,000	295,000	410,000			770,000
Acquisition	0								0
Construction	0								0
Other expenses	0								0
<b>Total</b>	<b>770,000</b>	<b>0</b>	<b>0</b>	<b>65,000</b>	<b>295,000</b>	<b>410,000</b>	<b>0</b>	<b>0</b>	<b>770,000</b>
EW1201									
Dublin Road water tower									
Architectural\Engineering fees	179,000	179,000							0
Acquisition	102,000	102,000							0
Construction	3,508,000	1,208,000	2,300,000						0
Other expenses	0								0
<b>Total</b>	<b>3,789,000</b>	<b>1,489,000</b>	<b>2,300,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
EW1101									
Rings Road waterline									
Architectural\Engineering fees	65,000					65,000			65,000
Acquisition	15,000					15,000			15,000
Construction	650,000					650,000			650,000
Other expenses	0								0
<b>Total</b>	<b>730,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>730,000</b>	<b>0</b>	<b>0</b>	<b>730,000</b>
EW1401									
Water extensions									
Architectural\Engineering fees	310,000			65,000	85,000	160,000			310,000
Acquisition	0								0
Construction	0								0
Other expenses	0								0
<b>Total</b>	<b>310,000</b>	<b>0</b>	<b>0</b>	<b>65,000</b>	<b>85,000</b>	<b>160,000</b>	<b>0</b>	<b>0</b>	<b>310,000</b>
EF0201									
Stormwater improvements									
Architectural\Engineering fees	700,000	410,000	110,000	55,000	45,000	50,000	30,000		180,000
Acquisition	47,000	32,000	15,000						0
Construction	4,166,000	2,261,000	740,000		470,000		455,000	240,000	1,165,000
Other expenses	0								0
<b>Total</b>	<b>4,913,000</b>	<b>2,703,000</b>	<b>865,000</b>	<b>55,000</b>	<b>515,000</b>	<b>50,000</b>	<b>485,000</b>	<b>240,000</b>	<b>1,345,000</b>
EF1301									
South Fork Indian Run (SFIR) floodplain fill									
Architectural\Engineering fees	10,000		10,000						0
Acquisition	0								0
Construction	450,000		450,000						0
Other expenses	10,000		10,000						0
<b>Total</b>	<b>470,000</b>	<b>0</b>	<b>470,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Utilities</b>	<b>19,163,000</b>	<b>10,873,000</b>	<b>3,635,000</b>	<b>185,000</b>	<b>2,395,000</b>	<b>1,350,000</b>	<b>485,000</b>	<b>240,000</b>	<b>4,655,000</b>

**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
FUNDED PROJECTS**

PROJECT	TOTAL COST	PRIOR YEAR(S)	TOTAL					TOTAL 2014-2018
			2013	2014	2015	2016	2017	
AB0601								
Municipal facilities								
Architectural\Engineering fees	67,000	67,000						0
Acquisition	0	0						0
Construction	8,958,000	1,338,000	790,000	6,360,000	170,000	300,000	0	6,830,000
Other expenses	0	0						0
<b>Total</b>	<b>9,025,000</b>	<b>1,405,000</b>	<b>790,000</b>	<b>6,360,000</b>	<b>170,000</b>	<b>300,000</b>	<b>0</b>	<b>6,830,000</b>
<b>Total Facilities</b>	<b>9,025,000</b>	<b>1,405,000</b>	<b>790,000</b>	<b>6,360,000</b>	<b>170,000</b>	<b>300,000</b>	<b>0</b>	<b>6,830,000</b>
AB1301								
Bridge Street District								
Architectural\Engineering fees	0	0						0
Acquisition	0	0						0
Construction	3,250,000	0	750,000	500,000	500,000	500,000	500,000	2,500,000
Other expenses	0	0						0
<b>Total</b>	<b>3,250,000</b>	<b>0</b>	<b>750,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>500,000</b>	<b>2,500,000</b>
AI1401								
Computer hardware/software								
Equipment	6,330,000		990,000	1,255,000	1,270,000	970,000	925,000	5,340,000
<b>Total</b>	<b>6,330,000</b>	<b>0</b>	<b>990,000</b>	<b>1,255,000</b>	<b>1,270,000</b>	<b>970,000</b>	<b>925,000</b>	<b>5,340,000</b>
PP1601								
Radio System upgrade								
Equipment	825,000	0	0	825,000	0	0	0	825,000
<b>Total</b>	<b>825,000</b>	<b>0</b>	<b>0</b>	<b>825,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>825,000</b>
EW1401								
Allocation for Water Extensions								
Other expenses	1,000,000	0	0	200,000	200,000	200,000	200,000	1,000,000
<b>Total</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>1,000,000</b>
ES1402								
Allocation for Sewer Extensions								
Other expenses	1,000,000	0	0	200,000	200,000	200,000	200,000	1,000,000
<b>Total</b>	<b>1,000,000</b>	<b>0</b>	<b>0</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>200,000</b>	<b>1,000,000</b>
AV1401								
Fleet management program								
Vehicles	5,980,000	0	210,000	1,115,000	965,000	1,950,000	865,000	5,770,000
Equipment	1,935,000	0	270,000	410,000	490,000	350,000	170,000	1,665,000
<b>Total</b>	<b>7,915,000</b>	<b>0</b>	<b>480,000</b>	<b>1,525,000</b>	<b>1,455,000</b>	<b>2,300,000</b>	<b>1,035,000</b>	<b>7,435,000</b>
<b>Total Others</b>	<b>20,320,000</b>	<b>0</b>	<b>2,220,000</b>	<b>4,505,000</b>	<b>3,625,000</b>	<b>4,170,000</b>	<b>2,860,000</b>	<b>18,100,000</b>
<b>Grand Totals</b>	<b>\$201,802,000</b>	<b>\$41,102,000</b>	<b>\$39,780,000</b>	<b>\$42,775,000</b>	<b>\$51,765,000</b>	<b>\$11,165,000</b>	<b>\$10,375,000</b>	<b>\$120,920,000</b>
9/9/2013								



## **2014 – 2018 Capital Improvements Program**

### **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 includes the construction of a four-lane boulevard with curb and gutter, shared-use path, sidewalk, street lights, traffic signals, a shared-use path tunnel and landscaping. The need for a shared-use path tunnel under Avery Road at the future Tuttle Crossing Boulevard/Avery Road roundabout will be evaluated during the detailed design of the project.

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 is programmed in 2013. Right-of-way acquisition on Tuttle Crossing Boulevard from Wilcox Road to Avery Road is programmed in 2014 and project construction is reflected beyond 2018. The project will be funded through service payments from the Rings/Frantz TIF, and the Thomas/Kohler TIF will also be evaluated as a possible funding source for this project.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Emerald Parkway-Riverside Drive to Billingsley Creek (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 boulevarded section, sanitary sewer and water, street lights, and intersection improvements at Bright Road and Emerald Parkway. Design was completed in 2009. The right-of-way acquisition for the project is in-process and substantially complete. Prior year expenditures include acquisition of rights-of-way between years 1996 (Jenmar Court properties) and 2012. Construction is currently programmed in 2013 with landscaping phased between 2014 and 2015. Construction will be initiated upon completion of successful right-of-way acquisition negotiations.

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. Design and construction is programmed in 2014 for this phase of the project.

The project will be funded by service payments received through the McKittrick TIF Fund and, to the extent available, the Kroger Centre TIF Fund and the Lifetime Fitness TIF Fund.



## **2014 – 2018 Capital Improvements Program**

### **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. Site acquisition is programmed in 2015. Construction of Churchman Road and the roundabout at Churchman Road and Cosgray Road are programmed in 2016 with the roundabout at Rings Road programmed beyond 2018. Perennial beds and trees along the new Churchman Road as well as central-island landscaping in the roundabout at Cosgray Road are programmed in 2017.

To the extent possible, permissive tax funds will be used.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Frantz Road Utility Burial (Project #ET1202)**

This project will fund improvements consisting of the burial of overhead utility lines along Frantz Road between Metro Place North and Rings Road. These improvements will be funded by the Pizzuti TIF. Funding has been programmed based on current service payment projections.

Right-of way acquisition is programmed in 2013. Conduit must be moved further west which will increase the acquisition costs. Due to this movement of the conduit, construction has been deferred from 2013 to 2014. The funding assumes there will be no new landscaping, just restoration of disturbed areas.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Frantz Road-Dublin Road Connector (Project #ET0810)**

This project will provide a new section of two/three lane roadway to connect Shawan Falls Drive, north of SR 161, to the east to Dublin Road. This project will provide a roadway option north and west of the Historic District and will provide access to Cardinal Health South Campus. Funding will be provided by the Cardinal Health South TIF and/or Bridge Street TIF.

Construction has been deferred from 2012 to 2014 with landscape funding programmed in 2016. The project will continue to be evaluated with the progress of the Bridge Street District.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Railroad Quiet Zone – Houchard Road to Leap Road (Project #ET1101)**

This project will add Supplemental Safety Measures (medians or extra gates) at each public road/rail crossing. Once the gate system is installed, locomotive horns would not routinely sound along the CSX line for seven consecutive crossings. The crossings include three in Franklin County, two in Hilliard, one in Columbus and one four-quad gate system crossing in Dublin.

The City has applied for State Capital Budget funding for the project. The project to install the crossing in the City has been deferred until 2014; however, to achieve the desired results, all crossings would need to be upgraded and it is unlikely all jurisdictions will move forward without state funding.



## **2014 – 2018 Capital Improvements Program**

### **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-divided boulevard section for Avery Road approximately 2,500 feet in length and includes street lighting and a bridge over Cramer Ditch. Intersection control for Rings Road east and Avery Road will be evaluated during the detailed design phase.

Project design is programmed in 2014, and construction and landscaping is reflected beyond 2018.

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 the Thomas/Kohler TIF.



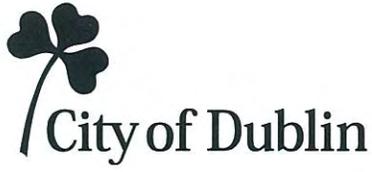
## **2014 – 2018 Capital Improvements Program**

### **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 Corridor. Site acquisition occurred in late 2012. The property along Riverside Drive was acquired along the riverfront to provide the option to develop a future riverfront park and allow for the relocation of Riverside Drive. Preliminary engineering is planned for completion by October 2013. Design of the realigned roadway is programmed in 2014, construction is programmed in 2015, and landscape in 2016.

This project will be coordinated with future private development.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Dublin Village Center Roadway Network phase 1 (Project #ET1404)**

This project provides for roadway connectivity to enhance development potential in the Bridge Street District. It provides for the realignment and extension of Dublin Center Drive between Village Parkway and Sawmill Road creating a new two lane roadway (to be known as John Shields Parkway) and will provide for parallel parking. Also included is construction of a new roadway to parallel John Shields Parkway to the south of the AMC Theater. To establish a street grid pattern, north/south connecting streets will be installed from John Shields Parkway with connections to Tuller Road and the new east/west connector road.

This project will be led by the developer(s). Funding has been programmed in 2014 to begin construction of phase 1 of the roadway network.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Hyland-Croy Road/Brand Road (Project #ET0405)**

This project provides for construction of a roundabout at the intersection of Hyland-Croy Road and Brand Road. An intersection analysis study was completed and identified that a roundabout is the preferred option for this intersection. The improvement will be a single lane roundabout expandable to a two lane roundabout. Design for the project was programmed in 2008 and has been completed.

Right-of-way acquisition for the project was programmed in 2011, and is complete. Construction is planned for 2013 with landscape programmed in 2014.

The funding for this project will be through service payments received from the Tartan West TIF.



## **2014 – 2018 Capital Improvements Program**

### **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 the construction of a two-lane roundabout at Hospital Drive/Perimeter Loop Road. The design for the project is programmed in 2014, right-of-way acquisition is programmed in 2015, construction is programmed in 2017 and landscaping is programmed in 2018. Additional long-term improvements have been programmed beyond 2018 which include construction of a roundabout at Perimeter Drive. More complex landscaping plans for the central islands are expected in this area due to the prominence of the corridor.

The funding source(s) for this project will be service payments from the modified Perimeter Center TIF.

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



## **2014 – 2018 Capital Improvements Program**

### **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 2013 included site acquisition. Construction was not previously programmed in the five-year period, however, implementation of the Bridge Street District planning has caused the timeframe of this project to be advanced. This project will be coordinated with future development.

Preliminary Engineering is planned for completion by October 2013. Design is programmed in 2014, construction in 2015, and landscaping is programmed in 2016.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Avery-Muirfield/Tullymore/Valley Stream/Avery Road (Project #ET0511)**

This project will provide for intersection improvements at the intersections of Avery-Muirfield Drive at Tullymore Drive, Valley Stream Drive, and Avery Road. The improvements will include new pavement, grading, shoulder work, drainage, and construction of medians to restrict left turning movements off Tullymore Drive, Valley Stream Drive and Avery Road.

A feasibility study was initiated in late 2005. In 2008, cost effective striping was completed to add a northbound left turn lane from Tullymore to Avery-Muirfield Drive. Design and right-of-way acquisition was programmed in 2011 with construction programmed originally in 2013 and deferred until 2015. Landscape is programmed in 2015.

This project will improve traffic operations and safety and compliment the work to be completed in the Avery-Muirfield Drive Corridor. The project will be funded by permissive tax revenues.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

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

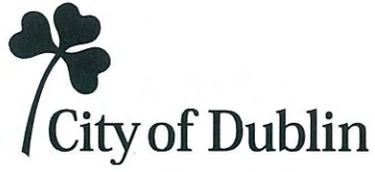
This project provides additional right turn lanes and modification to the traffic signal.

The design has been completed, utility relocation (gas line) and construction is programmed in 2014. Dublin is working with the City of Columbus on land acquisition which will take place in 2013.

Engineering staff has been coordinating with the City of Columbus on the third phase of their improvements on Hard Road from Smokey Row to Sawmill Road.

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 service payments generated from the Lifetime Fitness TIF district.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Hyland-Croy Road/McKittrick 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.

Design is scheduled in 2013, right-of-way acquisition in 2014, and construction and landscaping have been deferred until 2017.

The developer of Tartan Ridge is required to contribute \$118,125 towards this project.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **I-270/US 33 Interchange Phase 1 Improvements (Project # ET1401)**

This project provides for phase 1 of the I-270/US 33 interchange rebuild, constructs stacked cloverleaf ramps in the northeast and southwest quadrants of the interchange. 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 four major internal weaves and merges. This project will improve safety and traffic flow and add capacity, and is expected to provide a solution that will serve the region for the foreseeable future. The programmed project cost listed in the Capital Improvements Program assumes only Dublin's local match contribution for phase 1. Along with the Mid-Ohio Regional Planning Commission's (MORPC) commitment of up to \$25 million (over a 20 year period), approximately \$17 million is expected from the City of Dublin with additional funds being sought from the Ohio Department of Transportation (ODOT) and the Federal Highway Administration (FHWA).

The project will improve operations and increase the capacity of the interchange and the segment of US 33 between Avery Road and I-270. This will be accomplished by replacing the loop ramps in the northwest and southeast quadrants of the interchange with directional ramps. Additional lanes are also to be added to US 33 in both directions between Avery Road and I-270.

Design is programmed in 2013 and 2014. Right-of-way acquisition and utility relocation is programmed in 2014 and construction has been accelerated to 2015. The construction contract will be administered by ODOT.

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



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Dublin Road and Glick Road (Project #ET1003)**

This project provides for intersection improvements at Dublin Road and Glick Road. Additional left turn lanes on each approach will be installed. This will improve the sight distance on the north leg of the intersection. Pedestrian facilities and modifications to the traffic signal will also be included.

Potential funding sources include an Ohio Public Works Commission (OPWC) grant that Delaware County will apply for on behalf of Shawnee Hills. If the grant is awarded, Delaware County will match local contributions up to \$50,000. Shawnee Hills has committed to contributing \$50,000.

Preliminary design was programmed and completed prior to 2011. Completion of detailed design for the Dublin preferred alternative is programmed in 2013 and utility relocation and construction are currently programmed in 2014 but will be contingent on timing of site acquisition.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

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

Since the US33/SR 161/Post Road interchange project has been deferred, an allocation has been programmed in 2014 to provide funding for potential improvements. This project is an interim solution to improve traffic flow in the area.

The construction programmed in 2014 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; turn lanes on Post Road to Eiterman; lane addition north on Eiterman; and signal improvements.

The relocation/realignment of Eiterman Road as depicted in the West Innovation District (aka Economic Advancement Zone Plan) shows that Eiterman Road in the future becomes "Technology Way" and intersects SR 161/Post Road at the same location as does Eiterman Road presently. The entire improvement is planned to be temporary until the interchange is constructed in the future.

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



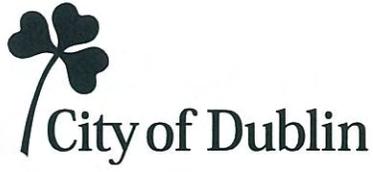
## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Coffman Road/Brand Road Intersection Improvements (Project #ET1205)**

Funds programmed in 2013 are for the right-of-way acquisition and construction of a single-lane modern roundabout consisting of asphalt pavement, concrete work, a truck apron with brick pavers, storm sewers, light-emitting diode (LED) street lights and dry-laid stone walls. The project also includes the completion of the section of the Brand Road shared-use path that runs through this intersection from the Earlington Parkway/Brandonway Drive intersection east to the newly approved Wellington Reserve Subdivision.

The project construction commenced in August and will be completed prior to year-end 2013. Landscape is programmed in 2014.



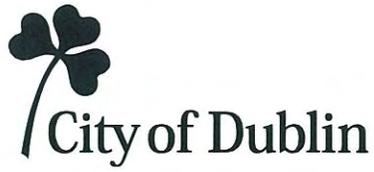
## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

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

Funding programmed in 2014 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.

Preliminary estimates for design, construction and landscape are reflected beyond 2018.



## **2014 – 2018 Capital Improvements Program**

### **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 Road 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 2014, and construction has been deferred from 2014 to 2016.

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



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Avery Road/Brand Road Intersection Improvements (Project #ET1101)**

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 design study is included in 2014, and funding for construction is programmed beyond 2018.

The funding for this project will be the service payments that will be received from the Tartan West TIF.



## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Bikeway connections/additions**

##### **Brand Road shared-use path (Project #ET1004)**

Based on a detailed assessment and public input, this project will provide for the completion of a shared-use path on Brand Road. Construction provides for the completion of a shared-use path between Avery-Muirfield Drive and Dublin Road and is programmed in 2013; however, the project will be completed in phases subject to timing of right-of-way acquisition. The first phase, from Earlington Parkway/ Brandonway Drive east to the newly approved Wellington Reserve Subdivision will be completed in conjunction with the Coffman Road/Brand Road roundabout project in 2013. Funding is included with the road project. Funding programmed for this phase of the project is for the path between Earlington Parkway west to Avery-Muirfield Drive. Funding in 2014 provides for landscape.

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

Funds were programmed for design in 2011 with site acquisition in 2013. Construction includes completion of the Dublin Road South shared-use path between Historic Dublin (Karrer Place) and Tuttle Road. The construction project will be completed in phases. The first phase, from Tuttle Road to Hertford Lane was completed in 2012. The second phase, from Hertford Lane to Rings Road is planned for 2013. The final phase, from Rings Road to the Historic District is programmed in 2014. Restorative landscape is programmed in 2014.

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

This project is for the completion of the Glick Road shared-use path between Avery Road and Muirfield Drive and will be completed in four phases. Funds were programmed in 2012 for design of the entire path. Construction of the path from Muirfield Drive to Carnoustie Drive (phase 2) was completed in 2012. Acquisition is programmed in 2013 for the remaining portion of the path. The remaining phases of the path (phase 3 and phase 1) are programmed for completion in 2013 and 2014, respectively, depending on timing of easement acquisitions. Landscape is programmed in 2014.

Phase 1 – Avery Road to Muirfield Drive

Phase 2 – Muirfield Drive to Carnoustie Drive (completed)

Phase 3 – Carnoustie Drive to Muirkirk Drive



City of Dublin

## **2014 – 2018 Capital Improvements Program**

### **Transportation – Major Projects**

#### **Bikeway connections/additions**

##### **Muirfield Drive bike lanes (Project #ET1104)**

Design and alignment of the lanes have been accelerated from 2014 to 2013. Funds programmed in 2014 are for construction of bike lanes on Muirfield Drive between Brand Road and Glick Road.



## **2014 – 2018 Capital Improvements Program**

### **Parks & Recreation – Major Projects**

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

This project includes the development of the park in accordance with the completed Master Plan. Funding in 2013 includes funding to seed the Southwest 15 acres. Funds in 2014 are provided for supplies and materials for a community garden, and for the design of a parking lot and multi-course/multi-ability off road bike park that will be built in phases in 2015, 2016, and 2017. In 2017, funds are included in park renovations for surface replacement for the Miracle League field. Originally installed in August 2005, it has exceeded its warranty and useful life. Additionally, funds in 2017 and 2018 are for the design and construction of one ball field and an associated restroom. The balance of the park development will be programmed beyond 2018 based on the recently completed Master Plan.



## **2014 – 2018 Capital Improvements Program**

### **Parks & Recreation – 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 produce a community scale park along the Scioto River with access to the River and surrounding natural areas.

The master planning was completed in 2001 and provides potential homeowners with information on the plans for future development.

Funding in 2013 and 2014 includes design and construction for stairs to the Scioto River, a pedestrian bridge and associated sidewalks, overlook, stone piers, fencing, crosswalk, mulch paths, bike racks, fencing and landscaping. Funding beyond 2018 includes design and construction of a half basketball court w/fence, hard court/play area, shelter, parking lot and boardwalk/pier.



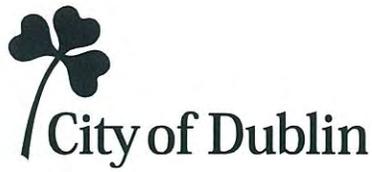
## **2014 – 2018 Capital Improvements Program**

### **Parks & Recreation – 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 fields, three ball diamonds, a universally accessible playground, maintenance facility, two restroom facilities, internal multi-use paths, landscaping, and associated parking lots.

Funding in 2017 includes design and construction of a shade plaza, basketball court and pedestrian lighting. Funding beyond 2018 includes earthwork, soil hauling, and sand volleyball courts.



## **2014 – 2018 Capital Improvements Program**

### **Parks & Recreation – Major Projects**

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

City Council has adopted a policy to acquire the properties along Post Road from 6124 Post Road east to existing Coffman Park. The Coffman Park Expansion Plan Task Force (the Task Force) was created by City Council in 2002. 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 previously 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 begin evaluating the timing and amount of funding needed to begin future development.

In 2010, staff revisited the Coffman Park master plan to verify original assumptions and update it for current conditions. Funds programmed in 2012 were used to design Coffman Park's first expansion phase which include park and associated utility burial, three bridges crossing the South Fork of Indian Run, park grading and a new entry drive at Commerce Parkway with construction to be completed in 2013. Funds programmed in 2014, 2015 and 2016 will be for design and construction of a partial parking lot at the Justice Center park area, partial parking along Commerce Parkway, boulder field, restroom facilities in new hard court area and the new skate park area. Funds are programmed in 2016 and 2017 for the design and construction of the new hard courts, the new skate park, the balance of the hard court parking area, and for the demolition of the old hard court areas and the old skate park. Funds are programmed beyond 2018 to complete the balance of the Coffman Park master plan.



City of Dublin

## **2014 – 2018 Capital Improvements Program**

### **Parks & Recreation – Major Projects**

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

This park is an important archeological and historical site. Funding includes preservation/enhancement of Native American mounds, a path system, house preservation, parking lot and associated site amenities.

The funding for 2013 includes house renovations. Funding in 2015 and 2016 is for design and construction of a restroom facility, parking lot, pedestrian bridge, visitor orientation area, shared-use path from Emerald Parkway to parking lot, and internal compacted gravel pedestrian paths. Beyond 2018 includes funds for earthworks, demonstration garden, overhead utility burial, and driveway removal.



## 2014 – 2018 Capital Improvements Program

### Parks & Recreation – Major Projects

#### Parkland Acquisition (Project #AL1402)

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 2012 – 2016 CIP, Council approved the current allocation through 2016.

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:

	2014	2015	2016	2017	2018
Estimated revenue	\$650,000	\$650,000	\$650,000	\$650,000	\$650,000
Less:					
Payment to Metro Parks	(385,000)	(385,000)	(385,000)	(385,000)	-
Debt service	(242,632)	(233,445)	(236,700)	(238,820)	(239,540)
Estimated balance available	\$22,368	\$31,555	\$28,300	\$26,180	\$410,460

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.



## **2014 – 2018 Capital Improvements Program**

### **Parks & Recreation – 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 connect the future Riverside Park on the east side of the river as well as adjacent commercial/residential developments to Historic Dublin.

Land acquisition and design are programmed in 2013 and 2014 with construction scheduled to be commence in 2015.



## **2014 – 2018 Capital Improvements Program**

### **Parks & Recreation – Major Projects**

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

Based on the Scioto River Corridor Framework Plan, this project provides for the construction of a central park on both side of the Scioto River. The park will link to other regional parks and recreational systems through potential bicycle/pedestrian facilities, and watercraft 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 yet to be determined elements that will provide features and amenities that best serve the community and encourage private investment.

Vehicular access, steep riverside slopes, and the consideration of existing structures are key drivers of park program and design, as well as maintaining flexibility for future programming for residents of the Bridge Street District.

Design is programmed in 2014 with construction programmed in 2015.



## **2014 – 2018 Capital Improvements Program**

### **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 pipe will reduce inflow and infiltration (I & I) of ground water in the sanitary sewer system. Sewer lining repairs the integrity of the pipe system and reduces the amount of I & 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).

The project is funded from the Sewer fund.



## **2014 – 2018 Capital Improvements Program**

### **Sanitary Sewer System – Major Projects**

#### **Sewer extensions (Project #ES1402)**

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.

Funds will be transferred from the Capital Improvements Tax Fund to the Sewer Fund to offset costs associated with this project.



## **2014 – 2018 Capital Improvements Program**

### **Water Distribution System – Major Projects**

#### **Dublin Road water tower (Project #EW1201)**

This project was identified as part of the utility infrastructure study completed in conjunction with the update of the Community Plan. This project has been accelerated based on need. Funding was programmed in 2010 for acquisition of the site necessary to construct the tower. The land acquisition was completed in July 2011. Construction is currently scheduled to be substantially completed in the autumn of 2013.

The tower is located on Dublin Road near the Bogey Inn and will be funded from the Water Fund. The City issued debt for the construction of the tower.



## **2014 – 2018 Capital Improvements Program**

### **Water Distribution System – Major Projects**

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

This project is to install a 16 inch waterline from Avery Road to "relocated Rings Road." This will create an additional main loop in the water distribution system to maintain pressures and fire flows in the southwest area. This project is programmed to be completed in 2016.

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



## **2014 – 2018 Capital Improvements Program**

### **Water Distribution System – Major Projects**

#### **Water extensions (Project #EW1401)**

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.

Funds will be transferred from the Capital Improvements Tax Fund to the Water Fund to offset costs associated with this project.



## 2014 – 2018 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.

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	\$45,000	\$115,000	\$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)	\$454,000 (2017)	\$504,000
2017/2018	Hirth Wolpert Creek Watershed Improvements	New 4x10 box culver at Chatterfield Dr	\$31,000 (2017)	\$240,000 (2018)	\$271,000

The projects with an \* 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



## **2014 – 2018 Capital Improvements Program**

### **Stormwater System – Major Projects**

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 affected by these improvements. Easements will be needed for several of the projects as well.



## **2014 – 2018 Capital Improvements Program**

### **Stormwater System – Major Projects**

#### **South Fork Indian Run (SFIR) floodplain fill (Project #EF1301)**

Funding in 2013 provides for the placement of fill material in the 100 year floodplain area to provide additional development area on the property and wetland mitigation. This project will utilize the soil stockpile on the property and makes the land more valuable for development purposes.

As part of Ohio University's Economic Development Agreement (EDA), the university is required to contribute one-half of the cost of this project up to a maximum of \$275,000.



## **2014 – 2018 Capital Improvements Program**

### **Administration – Major Projects**

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

Based on 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 are programmed in the Parkland Acquisition Fund.

Funds programmed in 2014 are included for major renovations to the Justice Center including a two story addition and an expansion of the Communications area. Expansion is necessary to support the growth of the City and for additional dispatching services. Also included in 2014 is funding to replace a portion of the Dublin Community Recreation Center (DCRC) roof and to replace skylights in the pools, fitness, entry corridor and roof pyramid. Funds in 2015 are included for design work for the potential construction of a two story addition and warehousing to the Service Center and funds are programmed in 2016 for design work for potential improvements to the 5800 Building.



## **2014 – 2018 Capital Improvements Program**

### **Administration – Major Projects**

#### **Bridge Street District (Project #AB1301)**

A significant focus area for 2013 and beyond will continue to be the Bridge Street Corridor and to develop a sustainable, walkable, urban community for Bridge Street/State Route 161 from Interstate 270 to Sawmill Road, including the Historic District.

The development and redevelopment opportunities of key sites will be the focus in creating an exciting, innovative and vibrant environment and to seek ways to better capitalize on one of the City's most treasured assets, the Scioto River.

In addition to specific projects programmed in other departments/divisions, an allocation has been programmed in each of the next five years for additional improvements in this area.



## **2014 – 2018 Capital Improvements Program**

### **Administration – Major Projects**

#### **Computer hardware and software (Project #AI1401)**

The annual requests reflect the Five-Year Technology Strategic Plan that has been developed by the Director of Information Technology. Detailed justifications are included for 2014. These projects are in line with Council, citywide and divisional goals and objectives.

##### **▪ Work Order system – Web Upgrade \$5,000**

A new citywide work order /asset management system (CityWorks) was implemented in 2008 in Streets & Utilities, Parks, Facilities and Engineering (Electric and Sign Shop) and is planned for use in other appropriate city work units. The application was upgraded to most recent Desk Top version in 2013. The upgrade to the Cityworks work order Web System in 2014 will enable:

- Growth – By increasing to any number of users with no additional work or cost
- A mobile workforce is enabled without cost and implementation of supporting systems. The processing of work orders out in the field is desired by the divisions using this system as this will increase staff productivity, efficiency and work order accuracy.
- Productivity will improve as Crew Supervisors will spend less time in the office and have more direct contact and management of their staff.

##### **▪ Citizen Web Request E311 System enhancement \$10,000**

A Web interface will be implemented in 2013 for citizen interaction that is also linked directly to our Cityworks work order/asset management system. Further enhancements to accommodate this system are anticipated including smart phone access and the possible expansion to various call takers throughout the city. This application provides responding to requests in a consistent manner, and the tracking citizen calls, work requests, complaints or compliments.

##### **Benefits:**

- Frontline call takers, who assist our residents on a daily basis, will have better resources at their fingertips for answering questions, routing calls, and handling requests in a consistent manner.
- The Web based Self Service functionality will allow citizens to post chipper requests, missed trash complaints, etc. on line thereby providing a more modern approach to customer service, minimizing call volumes, and streamlining services. Citizens can be automatically notified of the progress of their request.

## 2014 – 2018 Capital Improvements Program

- This will give us the ability to track requests, response times and ensure that requests are being addressed.
  - Staff time saved from manual work order entry enabling time for other necessary tasks
  - Performance measurement is available with request tracking
- 
- **Citywide WiFi / Broadband enhanced utilization \$25,000**

Expanding the use of our citywide WiFi / 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 will allow us to add network connectivity to the north pool; additional video functionality at the parks; 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. Significant savings would be realized by utilizing our WiFi network versus installing expensive fiber connectivity. These funds will ensure we can purchase the technology needed to get the most out of our capital investment in the network.
- 
- **PC operating system/office suite \$90,000**

The Microsoft operating system, Office Suite (Word, Excel, Access, Outlook, PowerPoint), Project, Photoshop and other Microsoft applications need to be continually licensed for all of the city's personal computers.
- 
- **Server upgrades to virtual \$25,000**

Our use of virtual servers rather than physical systems has been very successful. This allows 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.
- 
- **GIS enhancement / data warehousing \$25,000**

GIS (Geographic Information Systems) is a technology that links valuable data to digital maps. In a government environment where almost everything is connected to a physical land location, GIS becomes important as an analysis, inquiry and reporting tool. The growth in GIS utilization has been dramatically realized over the last few years and with the dynamic development of the City of Dublin we anticipate a great deal of future growth. The proper use of GIS produces better planning, improved decision-making and increased staff efficiency that results in quicker and enhanced City services.

## 2014 – 2018 Capital Improvements Program

This budget item is to allow 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 geoprocessing and data dissemination (web GIS). New areas it will help us address are street networking and routing (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.

### ▪ **Network storage upgrades \$50,000**

- 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.

### ▪ **Enhance Document Imaging \$10,000**

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. Scanners and additional licensing are anticipated.

**Need:** Significant document imaging growth is planned for the upcoming year as various divisions see the need for new imaging needs and also to continually update the scanning of documents from previous years.

**Benefits:** The scanned documents will be accessed by Dublin staff throughout our network. The time spent performing manual searches for documents answering customer questions, and filling document requests will be greatly reduced. Automated workflow processes can be created for further efficiencies.

### ▪ **Contracts Management application \$10,000**

A citywide contracts management application is planned for 2014. This application will enable efficiencies and consistencies through contract templates and workflows.



## 2014 – 2018 Capital Improvements Program

- **Virtual desktops / mobiles / voice \$25,000**

Expanding our virtual environment to the desktop, virtual views of our mobile computers and upgrading our telephone system to virtual servers are planned for 2014.

- **Mobile devices / Smartphone applications \$25,000**

The use of Smartphone 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 will be pursued in 2014. IT will work with the Community Relations web design staff to develop these applications.

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

Our PC rotation plan is to replace our staff PC equipment when it is 4 to 5 years old.

- **Security cameras \$20,000**

Enhancing our security cameras to IP networked devices will enable improved management and better resolution. This is desired at various city buildings including the DCRC.

- **Mobile devices \$81,500**

Mobile devices for Streets & Utilities (\$35,000), Parks (\$28,000), Engineering (\$10,000) and Facilities (\$8,500) are desired for enabling remote access to the work order system. Facilities place this as a high priority while the other areas consider this a medium priority. This remote work order access is linked to the CityWorks work order system Web upgrade planned for 2014.

The mobile devices will increase the productivity of staff by allowing them to receive, read and close work orders while in the field. Currently, our staff receives their work orders in paper form. A significant number of work orders per month are created just for scheduled preventive maintenance tasks. Staff must write down the time they spent on each work order and return it to their supervisor and then the administrative staff so that the work order can be manually updated and closed.

The mobile devices will allow staff to call up their assigned work orders and enter in the pertinent information without having to keep track of the paperwork or return to the office to pick up more work orders. This will increase staff efficiency and productivity. The data itself will be used to better manage budgets and provide the information to predict future budget needs. Crew supervisors and administrators will be able to create the work order and input relative information while on job-site.



## **2014 – 2018 Capital Improvements Program**

This will keep the supervisors out in the field longer during the day and have them accessible to staff during the process. Additional Benefits will be increased tracking of work completed by field crews and thereby improve work order accuracy.

This technology will also provide mobile access to GIS, live weather/radar, access to GPS tracking and reports while away from office. Administrators will have capability of monitoring snow and ice operations remotely.

- **Electronic Plan Review enhancements \$20,000**

Electronic plan review was implemented in 2012 for the plan review services environment. Plans for 2014 include incorporating this electronic plan review process into the environments of both the Planning and the Engineering divisions.

- **New Payroll Application \$99,000**

Our present Payroll application was acquired in 1997. An upgrade to the current application technology and hardware platform is desired that is integrated with a Human Resources Management system. This will drastically improve processing efficiencies and information consistency with the associated Payroll and HR activities. Improved functionality would include:

- Employee and manager self service and access to their information
- Consistently applying 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

- **Time and Attendance system upgrade \$99,000 (*encumbered in 2013*)**

An upgrade of our present time and attendance system acquired in 2003 is desired that will be of the current technology and directly integrated with a new Payroll system. This will simplify time entry and approval processes that will improve staff accountability , enable better enforcement of work and pay rules, ease compliance with union requirements, FLMA tracking, audit trails, email alerts for staff tasks, automate leave requests and improve payroll processing efficiency .

- **HR Management System \$99,000**

Human Resources have never had a software management system. Acquisition of an HR Management System is desired that will be integrated with a new Payroll application. This will drastically improve processing efficiencies and information consistency with the associated HR and Payroll activities. Enhanced HR analysis and



## 2014 – 2018 Capital Improvements Program

decision making will be enabled. Improved functionality would include:

- Automated recruiting and on boarding
- Management of training and staff talent
- Employee and manager self service and access to their appropriate information
- Consistently applying policies thereby reducing compliance risks
- FLMA processing
- Integration and collaboration with payroll processes
- Reduce litigation, grievance, and audit risk

### ▪ **Asset Management / Data Collection \$25,000**

Various city divisions are in the process of improving their asset management to enable better work order processing and use of resources. The collecting of this information and getting the global positioning for GIS mapping is all part of this process. This information is also desired by the citywide asset management effort.

GPS units are used to accurately map the various assets within the City and are useful in identifying and saving infrastructure improvements that might not be readily retrievable in the future. An example is when electric lines are being buried to serve ball diamond lights. Once the ground is restored, the exact location of the lines disappear. This could cause issues in the future when subsequent improvements occur in that area.

There are numerous areas throughout Dublin where the storm sewer system is not in GIS. S&U would like to ensure there are funds available to collect data from the field and be able to update all the appropriate data bases whether in Flexidata, CityWorks or GIS. Eventually, there will be storm water modules created to track all inspections, cleanings and repairs made to the storm water system similar to that in the sanitary sewer program.

The use of specialized aerial flying devices will also be explored to do specific aerial photography. Possible uses include event analysis, event marketing, parking studies, site analysis, traffic viewing, Police search events, improve bldg view at different angles, etc.

### **Benefits:**

More reliable data will be available in GIS. When supervisors receive calls for service, having the proper information available in GIS will assist city staff in



## **2014 – 2018 Capital Improvements Program**

reducing response time to the resident or businesses. This could also provide a measure of improved safety when work is to be done on or near volatile assets.

### ▪ **Police Division technology**

#### **New Police Records/Dispatch/Mobile System \$325,000**

The present Police Records/Dispatch Mobile systems were acquired in 1998. In order to maintain appropriate Police responsiveness and activities to meet their accreditation the need for systems of current technology and increased functionality is deemed necessary. The present field reporting does not support the state mandated crash report resulting in inefficient manually written reports. The new system will be a long term solution to enable multi-jurisdictional, multi-agency capabilities for data sharing and processing with other agencies.

A new records system supports customizable agency business rules, provides search capabilities on every field or combination of fields, includes an Investigator's Dashboard that provides quick access to open investigations, employs integrated crime analysis toolset to maintain and identify relationships between names, vehicles, property items, and incidents, integrates mapping to identify high-crime areas, and includes Police to Police for data sharing with other participating agencies.

New dispatching will include integrated mapping, hotspot notifications so response is quick to calls with the right resources, provides unit recommendation to dispatch predetermined, agency-defined resources to an event, integrated mapping functions and automatic vehicle locator (AVL), includes hazards/warning subsystems to notify officers of potential dangers, and crime analysis tools that identify high-crime areas and provide predictive analysis for future crimes.

A sophisticated mobile computing system will enable Officers access of pertinent information from their mobile devices and for the submission of reports wirelessly from the field.

### **Overall Benefits**

- Helps improve agency workflow
- Simplifies call taking and dispatching
- Reduces training time and facilitates the user experience
- Enables increased efficiencies and reduces officer response times
- Increases officer and citizen safety
- offers multi-jurisdictional, multi-agency capabilities for data sharing and processing with other agencies

## 2014 – 2018 Capital Improvements Program

### ▪ **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. Getting appropriate, accurate and timely information to the officers is critical to their safety, their ability to respond to the scene, and ultimately reflects upon their service to the community. Reliable units also ensure officers remain in the field to complete reports, greatly reducing the need for officers to come to headquarters to complete tasks. The computers that are replaced are passed on to other lower use functions within the division and to other departments & divisions for use.

### ▪ **Cruiser mounts/console equipment \$15,000**

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. Eight of these mounts are from the original MDC installation in 2001 & 2002 and have been removed and reinstalled in multiple cruisers. Repair costs are exceeding the value of these units and the manufacturer's offer of a maintenance agreement is cost prohibitive.

### ▪ **Cruiser WiFi/AVL enhancements \$15,000**

With the build out of the Wi/Fi system, this project will allow for the installation of Modem connectivity to make use of that system in the cruiser. In addition, this equipment will provide the global positioning data that will permit the real time monitoring of cruiser location for dispatching and tracking purposes.

#### **Benefits:**

- Improved dispatching
- Improved Officer safety

### ▪ **Mobile in car video enhancement \$40,000**

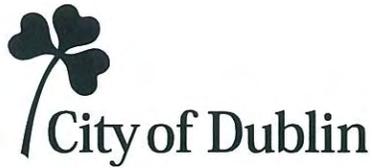
Enhancements are needed for the aging mobile in car video systems.

### ▪ **Regional Dispatching Inter-agency connectivity \$30,000**

Regional dispatching will require additional networking equipment (firewall, switches, etc.) in order to accomplish inter-agency connectivity.

## 2014 – 2018 Capital Improvements Program

- **Enhance Sewer Inspection technology \$5,000**  
Enhancements to the video inspection system for the water and sewer infrastructure are anticipated for 2014.
- **Replace or enhance Vehicle GPS Management (Fleet Budget)**  
An application that records the actual routes of the City vehicles via GPS communication gives us access to location-based, time sensitive information about the mobile workers and the associated assets via Internet access. Public inquiry to this data could be enabled. This system will enhance operation efficiency, maximize workforce productivity, improve vehicle management, enable actual vehicle tracking, increase accountability of valuable City assets, and allow for event analysis in real time (snowplowing, street repair, etc.). The management and analysis of vehicles can be processed remotely. Analysis of the data may lead to a change in how work orders are assigned in order to reduce the overall number of vehicle trips.
- **Enhance Fleet / Fuel Management enhancement \$7,500**  
Our fuel management system was replaced in 2011 and 2012 in order to accommodate gas, diesel and compressed natural gas. Application enhancements are planned for 2014. Upgrading and enhancing our Fuel and Fleet Management systems will improve staff productivity, enable us better control pump transactions and obtain accurate vehicle mileage figures which will drive the preventative maintenance scheduling of city equipment, ability to impose 'mileage reasonability rules' at the fuel pumps ultimately to restrict users from entering in mileage outside of a predetermined range for their vehicle and provide communication to customers that their vehicle has service due. This will also give us better control of expenses, better asset management and provide detail for various stringent reporting requirements. (Billing, Fuel/Mileage Rpts, and CPM).
- **Traffic signal communication \$30,000**  
Enabling more traffic signal communication to control and monitor intersections is desired for 2014. We also plan to upgrade to the TACTICS sign control and Synch8 signal timing software applications.
- **Aerial photography for GIS \$50,000**  
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.



## **2014 – 2018 Capital Improvements Program**

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

- **Customer service / Registration, Outdoor pools technology enhancements \$35,000**

Continual enhancements to customer service, technology enhancements to the renovated DCRC, and changes to the Recreation Center registration system are anticipated in 2014. Improved technology is also needed for the outdoor pools so that they are functionally equivalent to the operation at the DCRC.

Recreation Services uses the RecTrac and WebTrac applications (from Vermont Systems) to process all memberships, registrations, sales and reporting. Our Recreation Services patrons and customers expect much of the same features/functionality as is available in the private/retail sector, and regular upgrades/updates helps us keep current with customer expectations.

Anticipated enhancements in 2014 include online ticket sales, membership renewals, and consolidation of ACH/monthly debit processing. Our application provider also offers an additional module, eRacTrac, a web-based version, which would allow staff to use the application off-site whether due to illness, emergency or increased responsiveness. Our point-of-sale units need to be continually evaluated due to their extensive use.

# Information Technology 5 Year Budget Plan

2014 - 2018

## Project #A11401 Attachment



Dept / Div	<u>2014</u>		<u>2015</u>	
<b>Citywide</b>	Cityworks work orders - Web upgrade	\$5,000	Cityworks/E311 enhancements	\$10,000
	Citizen Web Request E311 System enhancement	\$10,000	Citywide WiFi/Broadband enhanced utilization	\$25,000
	Citywide WiFi/Broadband enhanced utilization	\$25,000	Network management/security upgrade	\$25,000
	PCs upgrade operating system/office suite	\$90,000	PCs upgrade operating system/office suite	\$90,000
	Server upgrades to virtual	\$25,000	Additional PC operating system/office suite	\$7,500
	GIS enhancement / data warehousing	\$25,000	GIS enhancement / data warehousing	\$25,000
	Network storage upgrades	\$50,000	Customer Relationship (CRM) enhancement	\$10,000
	Enhance Document Imaging	\$10,000	Enhance Document Imaging	\$10,000
	Contracts Management Application	\$10,000	Network connection-water towers/maint bldg	\$35,000
	Virtual desktops/mobiles/voice	\$25,000	Interactive Voice Response(IVR) enhancement	\$10,000
	Infrastructure changes	\$10,000	Server and storage replacement/upgrades	\$35,000
	Mobile devices-Smartphone applications	\$25,000	Smartphone applications enhancement	\$10,000
	PC replacement	\$75,000	PC replacement	\$75,000
	Security cameras	\$20,000	Security cameras	\$5,000
	Printers	\$30,000	Printers	\$20,000
	Monitors, cabling, additional phone equipment	\$15,000	Monitors, cabling, additional phone equipment	\$10,000
	Misc. hardware/software	\$25,000	Misc. hardware/software	\$25,000
<b>Admin Services</b>				
<b>Legislat. Affairs</b>	New iPads for Council members (5)	\$3,500		
<b>Volunteer Services</b>			Enhancement to Volunteer systems	\$10,000
<b>Events</b>	Events technology enhancements	\$5,000	Events wrist band admissions	\$10,000
<b>Economic Dev</b>				
<b>Facilities</b>	Handheld mobile devices- Facilities (2)	\$8,500	Work order enhancements	\$10,000
	Vehicle GPS utilization (Fleet Budget)		Handheld mobile devices for Facilities	\$5,000
<b>Court Services</b>	Digital recording system for Court (\$5,000)	(Court Fund)	Additional applications	(Court Fund)
	Interactive voice response (IVR) (\$20,000)	(Court Fund)		
<b>Community Rel</b>	Enhance Internet/Intranet/Community Rel	\$10,000	Enhance Internet/Intranet/Community Rel	\$15,000
<b>LU &amp; LRP</b>	Electronic Plan Review enhancements	\$10,000	Aerial photography/layers for GIS	\$50,000
	Enterprise Adobe Creative Suite	\$10,800		
<b>Finance</b>			New Finance ERP solution	\$250,000
	New Payroll application	\$99,000	Enhancements to Income Tax system	\$10,000
	Time & Attendance system upgrade	\$99,000 (encum-2013)	New Time Clocks	\$40,000
<b>Human Res</b>	HR Management System	\$99,000	Enhancements to HR Management System	\$10,000
<b>IT</b>	Asset Data Collection	\$25,000		
<b>Police</b>	New Police Records/Dispatch/Mobile system	\$325,000	Police Records/Dispatch enhancements	\$50,000
	Mobile computers upgrade (10)	\$50,000	Mobile computers upgrade (10)	\$50,000
	Cruiser mounts/console equipment	\$15,000	Upgrade to message broadcasting system	\$35,000
	Cruiser WiFi/AVL enhancements	\$15,000	Cruiser mounts/console equipment	\$20,000
	Mobile in car video upgrade	\$40,000	Mobile System Replacement	\$50,000
	Regional Dispatching Inter-agency connectivity	\$30,000	Regional Dispatching Records Interfacing	\$30,000
<b>S&amp;U</b>	Mobile computers for work orders (7)	\$35,000	Work Order system enhancement	\$10,000
	Enhance sewer inspection technology	\$5,000	Mobile computers (5)	\$25,000
	Asset Mgmt / Data Collection	\$15,000	Asset Mgmt / Data Collection	\$10,000
	Replace or enhance Vehicle GPS Mgmt application (Fleet Budget)		Digital Sewer Camera Inspection system	\$150,000
<b>Fleet</b>	Fleet/Fuel system enhancements	\$7,500	Fleet system enhancement (Ward4)	\$45,000
<b>Engineering</b>	CAD / ArcView upgrade/enhancement	\$10,000	Work Order system enhancement	\$10,000
	Mobile GPS devices - work orders(Electric 2)	\$10,000	Pavement Management enhancements	\$25,000
	Electronic Plan Review enhancements	\$10,000	LiDAR Data Acquisition (Elevation Data)	\$25,000
	Traffic Signal Communication	\$30,000		
	Sign Shop Cutter Plotter	\$6,000		
<b>Bldg Stds</b>	Review Services/BldgStds enhancements	\$5,000	Electronic Plan Review enhancements	\$10,000
			Review Services/BldgStds counter enhancements	\$25,000
<b>Parks &amp; Open Spaces</b>	Asset Mgmt / Data Collection	\$10,000	Work Order/Cemetery system enhancement	\$10,000
	Mobile computers for work orders(7)	\$28,000	Asset Mgmt / Data Collection	\$10,000
	Aerial photography/layers for GIS	\$50,000	Mobile devices for work orders(7)	\$35,000
<b>Recreation Svcs</b>	Customer Service enhancements	\$10,000	Customer Service enhancements	\$25,000
	Outdoor pools technology enhancement	\$25,000	Outdoor pools technology enhancement	\$10,000
<b>Reduction</b>		\$1,477,300		\$1,497,500
		(221,595)		(224,625)
<b>Budget Amount</b>		\$1,255,705		\$1,272,875
		<b>\$1,255,000</b>		<b>\$1,270,000</b>

**Information Technology 5 Year Budget Plan**

**2014 - 2018**

**Project #A11401 Attachment**



<u>Dept / Div</u>	<u>2016</u>	<u>2017</u>
<b>Citywide</b>	Citywide WiFi enhanced utilization \$25,000	Citywide WiFi enhanced utilization \$25,000
	Enhance collaboration technology \$10,000	Interactive voice response (IVR) enhancement \$10,000
	Network management/security upgrade \$25,000	Network management/security upgrade \$25,000
	PCs upgrade operating system/office suite \$95,000	PCs upgrade operating system/office suite \$95,000
	Additional PC operating system/office suite \$7,500	Cloud Computing \$25,000
	GIS enhancement / data warehousing \$25,000	GIS enhancement / data warehousing \$25,000
	Server and storage replacement/upgrades \$35,000	Network management / security upgrade \$20,000
	Enhance Document Imaging \$10,000	Enhance Document Imaging \$15,000
	Aerial photography/layers for GIS \$50,000	Network storage upgrades \$50,000
	Cityworks/Web Request enhancement \$13,000	Cityworks/E311 enhancement \$20,000
	Cloud Computing \$25,000	Server replacements / upgrades \$25,000
	Smartphone applications \$10,000	Smartphone applications enhancement \$20,000
	PC replacement \$75,000	PC replacement \$75,000
	Security cameras \$5,000	Security cameras \$5,000
	Printers \$25,000	Printers \$15,000
	Monitors, cabling, additional phone equipment \$10,000	Monitors, cabling, additional phone equipment \$10,000
	Misc. hardware/software \$25,000	Misc. hardware/software \$25,000
<b>Admin Services</b>		
<b>Legislat. Affairs</b>		Replace laptops for Council members (7) \$8,000
<b>Volunteer Services</b>		Enhancements to Volunteer systems \$10,000
<b>Events</b>	Events wrist band beverage sales \$25,000	Events technology enhancements \$15,000
<b>Economic Dev</b>		
<b>Facilities</b>	Security camera enhancements \$5,000	Work order enhancements \$15,000
		Handheld mobile devices for Facilities \$5,000
<b>Court Services</b>	Records Mgmt enhancement \$10,000	PCs/laptops for Court staff (\$6,000) (Court Fund)
<b>Community Rel</b>	Enhance Internet/Intranet/Community Rel \$15,000	Enhance Internet/Intranet/Community Rel \$25,000
<b>LU &amp; LRP</b>	New Planning Review/Code Enf system \$50,000	Planning Review/Code Enf enhancement \$25,000
	Mobile computers (Code Enf-5) \$25,000	Aerial photography/layers for GIS \$50,000
<b>Finance</b>	Enhancements to Finance ERP system \$25,000	Enhancements to Income Tax systems \$15,000
	Time Scheduling System \$30,000	
<b>Human Res</b>	HR management system enhancements \$10,000	Photo ID enhancements \$5,000
<b>IT</b>		
<b>Police</b>	Police Records/Dispatch/Mobile enhanceme \$50,000	Police 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	High Resolution displays for cruisers(10) \$20,000
	Cruiser mounts/console equipment \$20,000	Cruiser mounts/console equipment \$15,000
	Mapping/GPS/Crime Analysis \$25,000	Communication center upgrades \$30,000
		Enhance cruiser digital camera system(5) \$35,000
<b>S&amp;U</b>	Enhanced mobile device / GPS utilization \$10,000	Work Order system enhancement \$15,000
	Mobile computers (5) \$25,000	Mobile devices for work orders (4) \$17,000
	Asset Mgmt / Data Collection \$10,000	Asset Mgmt / Data Collection \$10,000
		Enhance Vehicle GPS Mgmt application \$20,000
<b>Fleet</b>	Fleet / Fuel system enhancement \$10,000	Fleet/Fuel system enhancements \$10,000
<b>Engineering</b>	Work Order system enhancement \$10,000	Additional applications/enhancements \$25,000
	Inspectors mobile computers (8) \$40,000	Pavement Management enhancements \$50,000
	CAD / ArcView upgrade/enhancement \$10,000	Traffic Signal Communication \$15,000
	Traffic Signal Communication \$15,000	
<b>Bldg Stds</b>	Inspectors mobile computers (7) \$35,000	Permitting/Inspection/Review enhancements \$25,000
	New Permitting/Inspection/Review system \$75,000	Web application enhancements \$25,000
<b>Parks &amp; Open Spaces</b>	Work Order/Cemetery system enhancement \$10,000	Asset Mgmt / Data Collection \$10,000
	Asset Mgmt / Data Collection \$10,000	
	Mobile devices for work orders(7) \$35,000	
<b>Recreation Svcs</b>	Customer Service enhancements \$10,000	Customer Service/Registration enhancements \$25,000
	Outdoor pools technology enhancement \$5,000	Outdoor pools technology enhancement \$10,000
<b>Reduction</b>	\$1,140,500	\$1,090,000
	(171,075)	(163,500)
<b>Budget Amount</b>	\$969,425	\$926,500
	<b>\$970,000</b>	<b>\$925,000</b>

**Information Technology 5 Year Budget Plan**

**2014 - 2018**

**Project #A11401 Attachment**



<u>Dept / Div</u>	<u>2018</u>	
<b>Citywide</b>	Enhance WiFi / wireless systems	\$50,000
	Enhance collaboration technology	\$10,000
	Contracts Mgmt enhancement	\$10,000
	PCs upgrade operating system/office suite	\$95,000
	Server and storage upgrades	\$35,000
	GIS enhancement / data warehousing	\$25,000
	Network management / security upgrade	\$20,000
	Network storage upgrades	\$50,000
	Cloud Computing	\$25,000
	Cityworks/E311 enhancement	\$15,000
	Photo ID enhancements	\$10,000
	Smartphone applications enhancement	\$25,000
	PC replacement	\$75,000
	Security cameras	\$5,000
	Printers	\$25,000
	Monitors, cabling, additional phone equipment	\$10,000
	Misc. hardware/software/cabling	\$25,000
<b>Admin Services</b>		
<b>Legislat. Affairs</b>		
<b>Volunteer Services</b>		
<b>Events</b>	Events technology enhancements	\$15,000
<b>Economic Dev</b>		
<b>Facilities</b>	Security camera enhancements	\$15,000
<b>Court Services</b>	Records Mgmt enhancement	\$10,000
<b>Community Rel</b>	Enhance Internet/Intranet/Community Rel	\$25,000
<b>LU &amp; LRP</b>	Aerial photography/layers for GIS	\$50,000
<b>Finance</b>	Enhancements to Financial applications	\$25,000
	Enhancements to time&attendance	\$25,000
	Enhancements to Payroll application	\$10,000
<b>Human Res</b>	Enhancements to HR Management System	\$15,000
<b>IT</b>		
<b>Police</b>	Police Records/Dispatch/Mobile enhancements	\$25,000
	Mobile computers upgrade (10)	\$50,000
	Cruiser mounts/console equipment	\$15,000
	Cruiser WiFi/AVL enhancements	\$15,000
	Mapping/GPS/Crime Analysis	\$25,000
<b>S&amp;U</b>	Enhance sewer inspection technology	\$50,000
	Service Complex Info Screen	\$10,000
	Enhance Vehicle GPS Mgmt application	\$20,000
<b>Fleet</b>	Fleet/Fuel system enhancements	\$10,000
<b>Engineering</b>	Work Order system enhancement	\$10,000
	Plotter	\$25,000
	CAD / ArcView upgrade/enhancement	\$10,000
	Traffic Signal Communication	\$15,000
<b>Bldg Stds</b>	Review Services/BldgStds counter enhancements	\$25,000
	Electronic Plan Review enhancements	\$25,000
<b>Parks &amp; Open Spaces</b>	Asset Mgmt / Data Collection	\$10,000
<b>Recreation Svcs</b>	Customer Service enhancements	\$25,000
	Outdoor pools technology enhancement	\$15,000
		\$1,080,000
<b>Reduction</b>		(162,000)
		\$918,000
<b>Budget Amount</b>		<b>\$920,000</b>



## **2014 – 2018 Capital Improvements Program**

### **Police – Major Projects**

#### **Radio System Upgrade (Project #PP1601)**

In 2009, the City of Dublin entered into an agreement with the City of Worthington and Delaware County for the purpose of establishing a Regional Council of Government (COG) to provide oversight and management of a shared public radio system. The radio system upgrade included incorporating the three frequencies at Worthington with the existing four frequencies held by Dublin to increase system capacity, add the Worthington tower site for improved coverage, and integrate with Delaware County's new 800 mhz digital system to save costs.

As a result, the Central Ohio Interoperable Radio System (COIRS) was established. At the COIRS July 2010 governing board meeting, the members identified the need for future infrastructure upgrades to the radio system.

As a member of COIRS, the City will be contributing to the COG for the cost to upgrade the existing radio system in 2014. This upgrade includes upgrading the infrastructure from version 6.9 to 7.13 and from a circuit based system to an IP based system. In addition, new IP based dispatch consoles are included as part of the upgrade. The cost will be shared between the COG partners and is part of a larger upgrade being undertaken by Delaware County. When complete, the upgrade will allow the COIRS system to directly connect with other P25 radio systems in the State of Ohio, including the MARCS system, to create a "system of systems" for public safety/public service radios to roam statewide.



## **2014 – 2018 Capital Improvements Program**

### **Administration – Major Projects**

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

This allocation has been 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 Council policy.



City of Dublin

## **2014 – 2018 Capital Improvements Program**

### **Administration – Major Projects**

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

This allocation has been programmed in each of the next five years to provide funding for 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 Council policy.



## 2014 – 2018 Capital Improvements Program

### Administration – Major Projects

#### Fleet Management Program – Vehicles (Project #AV1401)

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 while maximizing returns to the City through disposition.

Revised in May 2006 and updated in 2011, 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 points system utilized by the City. 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.

<b><u>Dept./Div.</u></b>	<b><u>2014</u></b>	<b><u>2015</u></b>	<b><u>2016</u></b>	<b><u>2017</u></b>	<b><u>2018</u></b>
Streets/Utilities	\$195,000	\$485,000	\$ 1,480,000	\$ 60,000	\$290,000
Development	180,000	-	160,000	135,000	205,000
Parks/Facilities	280,000	410,000	70,000	240,000	275,000
Police	435,000	70,000	240,000	175,000	105,000
Miscellaneous	25,000	-	-	255,000	-
<b>Total</b>	<b>\$1,115,000</b>	<b>\$965,000</b>	<b>\$1,950,000</b>	<b>\$865,000</b>	<b>\$875,000</b>



## 2014 – 2018 Capital Improvements Program

### Administration – Major Projects

#### Fleet Management Program – Equipment (Project #AV1403)

This request includes replacements and additions.

<u>Dept./Div.</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
Streets/Utilities	\$50,000	\$185,000	\$25,000	\$115,000	\$55,000
Engineering	15,000	-	-	-	-
Building Standards	-	-	-	-	-
Parks and Open Space	345,000	305,000	325,000	55,000	190,000
Police	-	-	-	-	-
Facilities	-	-	-	-	-
Administration	-	-	-	-	-
<b>Total</b>	<b>\$410,000</b>	<b>\$490,000</b>	<b>\$350,000</b>	<b>\$170,000</b>	<b>\$245,000</b>

#### A breakdown of 2014 equipment includes (all replacement):

##### Streets and Utilities

Zero turn mowers (3)  
Flawe mower

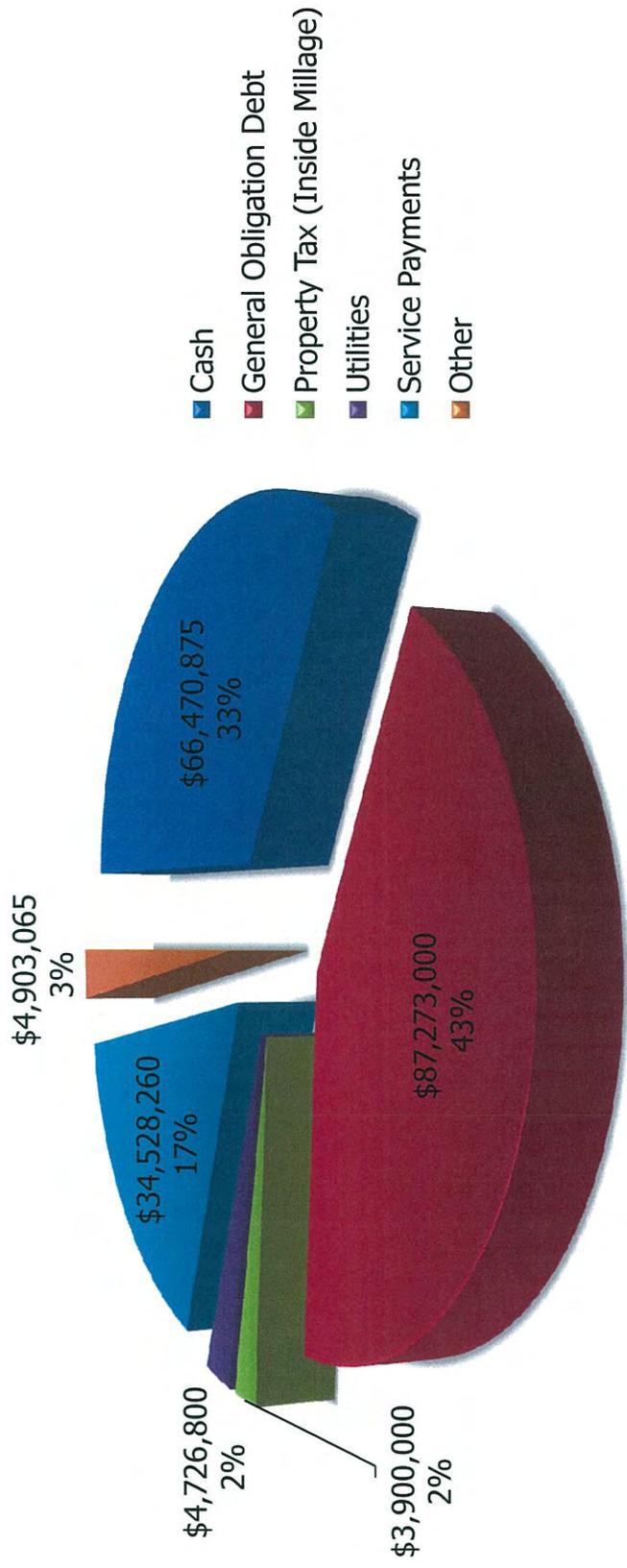
##### Engineering

Post drivers (2)  
Paint shaker

##### Parks and Open Space

Tractor (JD5310)  
Cemetery mowers (3)  
Zero turn mowers (20)  
Cushman turf trickster  
Batwing mower  
Stump grinder

2014 – 2018  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 FUNDING SOURCE FOR ALL MAJOR PROJECTS  
 \$201,802,000





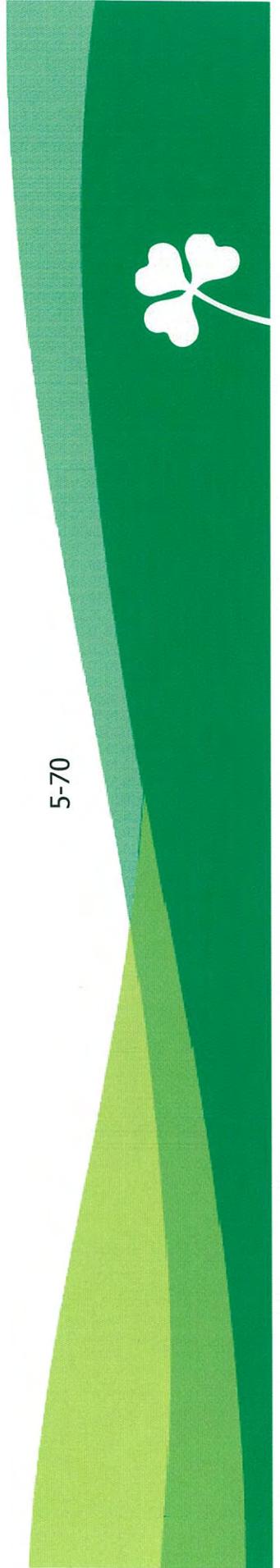
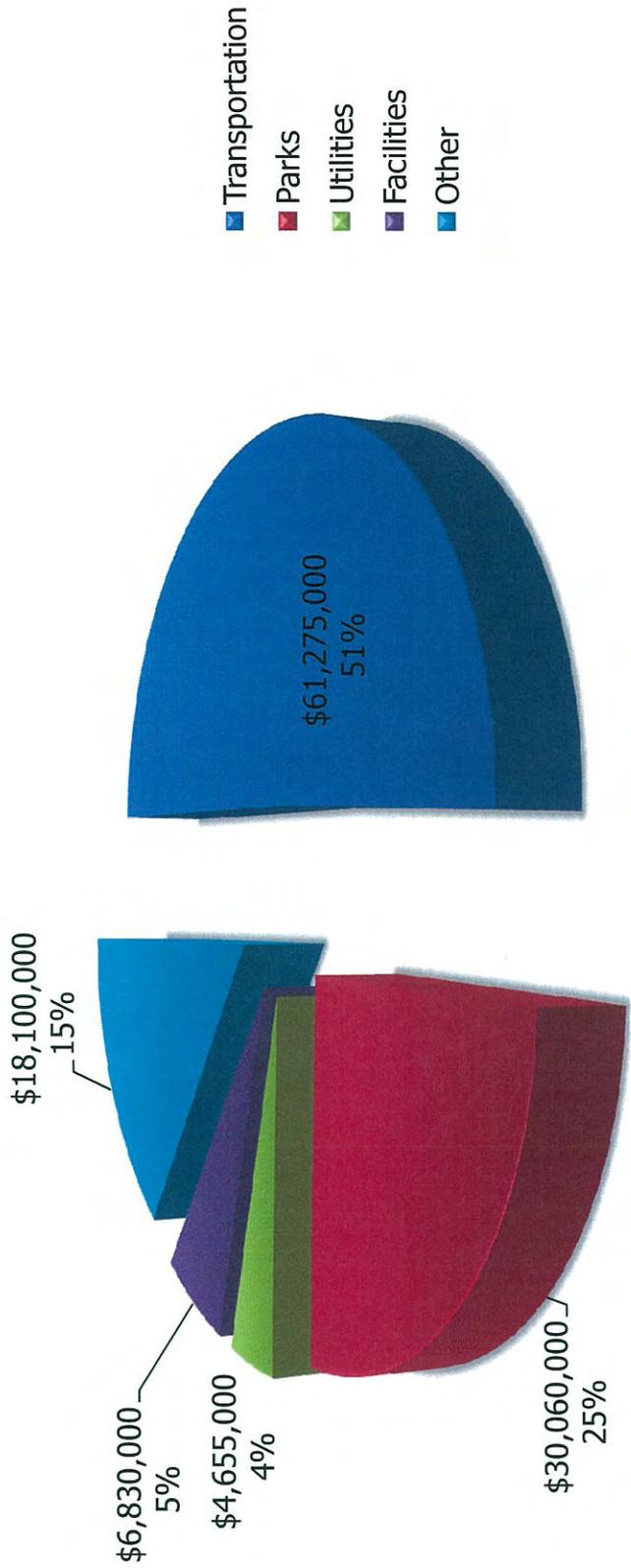
**2014 - 2018  
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
MAJOR PROJECT FUNDING**

Project No.	Project Description	Total Project Cost	Debt		Project Funding Source	Amount
			Debt Already Incurred	Debt to be Incurred		
ET0103	Tuttle Crossing Boulevard Extension-Wilcox Road to Avery Road (TIF)	\$ 2,278,000	\$ -	\$ -	Cash	\$ 13,000
			\$ -	\$ -	Service Payments	\$ 2,265,000
ET0104	Emerald Parkway-Riverside Drive to Billingsley Creek (TIF)	\$ 17,433,000	\$ -	\$ -	Cash	\$ 176,000
			\$ -	\$ -	State Funding	\$ 900,000
			\$ -	\$ -	Service Payments	\$ 6,857,000
			\$ -	\$ 9,500,000	G.O. Debt (Service Payments)	\$ 9,500,000
ET1119	Relocated Rings Road (Churchman Road)	\$ 3,500,000	\$ -	\$ -	Cash	\$ 3,150,000
					Permissive Tax	\$ 350,000
ET1202	Frantz Road Utility Burial (TIF)	\$ 2,105,000	\$ -	\$ -	Service Payments	\$ 2,105,000
ET0810	Frantz Road-Dublin Road Connector (Potential TIF)	\$ 2,934,000	\$ -	\$ -	Service Payments	\$ 2,934,000
ET1101	Railroad Quiet Zones	\$ 495,000	\$ -	\$ -	Cash	\$ 10,000
					State Funding	\$ 485,000
ET1402	Avery Road Widening - Woerner Temple to Rings Road West (TIF)	\$ 615,000	\$ -	\$ -	Service Payments	\$ 615,000
ET1403	Riverside Drive Realignment	\$ 13,500,000	\$ -	\$ -	Cash	\$ 472,000
			\$ -	\$ 13,028,000	G.O. Debt	\$ 13,028,000
ET1404	Dublin Village Center Roadway Network- Phase I	\$ 6,000,000		\$ 6,000,000	G.O. Debt	\$ 6,000,000
ET0405	Hyland-Croy Road/Brand Road Intersection (TIF)	\$ 3,802,000	\$ -	\$ -	Service Payments	\$ 3,705,260
					Developer Contribution	\$ 96,740
ET0410	Avery-Muirfield Drive/Perimeter Loop/Perimeter Drive Intersection (TIF)	\$ 7,923,000	\$ -	\$ -	Service Payments	\$ 7,923,000
ET0508	Riverside Drive/SR161	\$ 9,564,000	\$ -	\$ -	Cash	\$ 734,000
				\$ 8,830,000	G.O. Debt	\$ 8,830,000
ET0511	Avery-Muirfield/Tullymore/Valley Stream/Avery Road	\$ 575,000	\$ -	\$ -	Cash	\$ 130,000
					Permissive Tax	\$ 445,000
ET0605	Sawmill Road/Hard Road (TIF)	\$ 2,984,000	\$ -	\$ -	Service Payments	\$ 2,484,000
					Developer Contribution	\$ 500,000
ET0809	Hyland Croy Road/McKittrick Road	\$ 1,450,000	\$ -	\$ -	Cash	\$ 1,331,875
					Developer Contribution	\$ 118,125
ET1401	I-270/US 33 Interchange Phase 1 Improvements (TIF)	\$ 17,750,000	\$ -	\$ -	Service Payments	\$ 4,250,000
				\$ 5,500,000	G.O. Debt (Service Payments)	\$ 5,500,000
				\$ 8,000,000	G.O. Debt	\$ 8,000,000
ET1003	Dublin Road and Glick Road Intersection Improvements	\$ 753,000	\$ -	\$ -	Cash	\$ 253,000
					State Highway	\$ 500,000
ET1102	US33/SR 161/Post Rd Interim Interchange Improvements (TIF)	\$ 1,109,000	\$ -	\$ -	Cash	\$ 109,000
					Service Payments	\$ 1,000,000
ET1205	Coffman Road/Brand Road	\$ 2,048,000	\$ -	\$ -	Cash	\$ 2,048,000
ET1521	Muirfield Drive/Memorial Drive	\$ 50,000	\$ -	\$ -	Cash	\$ 50,000
ET1302	SR 161/Hyland-Croy Road Temporary Intersection Improvement (TIF)	\$ 340,000	\$ -	\$ -	Service Payments	\$ 340,000
ET1101	Avery Road/Brand Road Intersection (TIF)	\$ 50,000			Service Payments	\$ 50,000
ET1004	Brand Road Shared-Use Path	\$ 916,000	\$ -	\$ -	Cash	\$ 916,000
ET1203	Dublin Road South Shared-Use Path	\$ 2,461,000	\$ -	\$ -	Cash	\$ 2,461,000
ET1204	Glick Road Shared-Use Path	\$ 1,383,000	\$ -	\$ -	Cash	\$ 1,383,000
ET1104	Muirfield Drive Bike Lanes	\$ 1,510,000	\$ -	\$ -	Cash	\$ 1,510,000
GR9901	Darree Fields Development	\$ 7,552,000	\$ -	\$ -	Cash	\$ 7,177,000
					Township Funding	\$ 375,000
GR9903	Amberleigh Community Park Development	\$ 2,611,000	\$ -	\$ -	Cash	\$ 2,611,000
GR9904	Emerald Fields Development	\$ 5,740,000	\$ -	\$ -	Cash	\$ 4,040,000
			\$ 1,225,000	\$ -	State Funding	\$ 475,000
				\$ -	G.O. Debt	\$ 1,225,000
GR9902	Coffman Park Expansion	\$ 6,223,000	\$ -	\$ -	Cash	\$ 6,223,000
GR1114	Holder-Wright Farm and Earthworks	\$ 1,360,000	\$ -	\$ -	Cash	\$ 1,360,000
AL1202	Parkland Acquisition	\$ 3,900,000	\$ -	\$ -	Property Tax (Inside Millage)	\$ 3,900,000
GR1302	Scioto River Pedestrian Bridge	\$ 14,345,000		\$ 12,750,000	Cash	\$ 1,595,000
				\$ 7,800,000	G.O. Debt	\$ 12,750,000
GR1303	Riverside Park	\$ 8,035,000		\$ -	Cash	\$ 235,000
				\$ -	G.O. Debt	\$ 7,800,000
ES0701	Sewer Lining and Repair	\$ 8,181,000	\$ -	\$ -	Sewer Fund Revenue	\$ 1,037,800
			\$ -	\$ -	Federal Funding	\$ 383,200
			\$ 4,760,000	\$ 2,000,000	G.O. Debt (Sewer Fund Revenue)	\$ 6,760,000
NEW	Sewer Extensions	\$ 770,000			Sewer Fund Revenue	\$ 770,000
EW1201	Dublin Road Water Tower	\$ 3,789,000	\$ -	\$ -	Water Fund Revenue	\$ 1,429,000
			\$ 2,360,000	\$ -	G.O. Debt (Water Fund Revenue)	\$ 2,360,000
EW1101	Rings Road Waterline	\$ 730,000	\$ -	\$ -	Water Fund Revenue	\$ 730,000
NEW	Water Extensions	\$ 310,000			Water Fund Revenue	\$ 310,000
EF0201	Stormwater Improvements	\$ 4,913,000	\$ -	\$ -	Cash	\$ 4,913,000
EF1301	South Fork Indian Run (SFIR) Floodplain Fill	\$ 470,000	\$ -	\$ -	Cash	\$ 195,000
					Developer Contribution	\$ 275,000
AB0601	Municipal Facilities	\$ 9,025,000	\$ -	\$ -	Cash	\$ 3,505,000
					G.O. Debt	\$ 5,520,000
AB1301	Bridge Street District	\$ 3,250,000	\$ -	\$ -	Cash	\$ 3,250,000
AI1401	Computer Hardware/Software	\$ 6,330,000	\$ -	\$ -	Cash	\$ 6,330,000
PP1601	Radio System Upgrade	\$ 825,000	\$ -	\$ -	Cash	\$ 825,000
EW1401	Allocation for Water Extensions	\$ 1,000,000	\$ -	\$ -	Cash	\$ 1,000,000
ES1402	Allocation for Sewer Extensions	\$ 1,000,000	\$ -	\$ -	Cash	\$ 1,000,000
AV1401	Fleet Management Program - Vehicles	\$ 5,980,000	\$ -	\$ -	Cash	\$ 5,530,000
					Sewer Fund Revenue	\$ 450,000
AV1403	Fleet Management Program - Equipment	\$ 1,935,000	\$ -	\$ -	Cash	\$ 1,935,000
<b>Total</b>		<b>\$ 201,802,000</b>	<b>\$ 8,345,000</b>	<b>\$ 73,408,000</b>		<b>\$ 201,802,000</b>

**Summary**

Cash	\$ 66,470,875
G.O. Debt	\$ 87,273,000
Property Tax (Inside Millage)	\$ 3,900,000
Utilities	\$ 4,726,800
Service Payments	\$ 34,528,260
Other	\$ 4,903,065
	<u>\$ 201,802,000</u>

2014 – 2018  
 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM  
 MAJOR PROJECTS FUNDED – BY CATEGORY  
 \$120,920,000



**2014 - 2018**  
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM**  
**NON-MAJOR PROJECTS**

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.

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.

## 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 CIP budget and a final review and evaluation made by City Council as part of the Operating Budget review process.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2014 - 2018

DEPARTMENT/ DIVISION	PRIOR YEARS	2013	2014	2015	2016	2017	2018	TOTAL 14 - 18
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NON-MAJOR PROJECTS

ADMINISTRATION	743	1,240	2,295	1,745	1,585	1,345	1,295	8,265
PARKS & RECREATION	6,109	1,440	1,000	540	450	1,050	450	3,490
POLICE	120	245	300	200	160	45	20	725
SANITARY SEWER SYSTEM	221	510	200	700	200	200	200	1,500
TRANSPORTATION	812	5,185	6,105	5,070	5,145	4,800	5,765	26,885
WATER DELIVERY SYSTEM	2,578	0	1,190	370	550	0	850	2,960
STORMWATER SYSTEM	0	560	560	560	560	560	560	2,800
<b>TOTAL</b>	<b>10,583</b>	<b>9,180</b>	<b>11,650</b>	<b>9,185</b>	<b>8,650</b>	<b>8,000</b>	<b>9,140</b>	<b>46,625</b>

9/9/2013

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2014-2018

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2013	2014	2015	2016	2017	2018	TOTAL 14-18
<b>ADMINISTRATION / NONMAJOR PROJECTS</b>									
AL1401	Land acquisition	0	0	500	500	500	500	500	2,500
AU1401	Utility service improvements	0	0	0	400	400	400	400	1,600
AB1401	Building maintenance/renovations	0	900	915	205	90	50	0	1,260
AB0802	Technology improvements	743	115	135	135	120	120	120	630
AB1402	Dublink/Ignite	0	0	520	280	250	50	50	1,150
AA1401	Contingencies	0	225	225	225	225	225	225	1,125
9/9/2013	<b>TOTAL</b>	<b>743</b>	<b>1,240</b>	<b>2,295</b>	<b>1,745</b>	<b>1,585</b>	<b>1,345</b>	<b>1,295</b>	<b>8,265</b>



## 2014 – 2018 Capital Improvements Program

### Administration – Non-Major Projects

**AL1401**     **Land acquisition** – Funding is allocated for potential land acquisition to take advantage of opportunities that may develop over the course of the five year CIP.

**AU1401**     **Utility service improvements** – The City has been allocating \$400,000 annually for utility service improvements. The funding normally allocated in 2014 has been moved to Transportation for the cost of additional utility burial associated with the Coffman Road/Brand Road roundabout. Allocations for utility service improvements of \$400,000 programmed for 2015 through 2018 have not been prioritized.

**AB1401**     **Building maintenance/renovations** – Funding provides allocations for necessary maintenance to City buildings. The amount funded for **2014** is broken down as follows:

<b>Location</b>	<b>Description</b>	<b>Amount</b>
Municipal Building	Patio re-sloping and re-surfacing	\$24,000
	Lobby restroom renovations	15,000
	Annex offices/reception renovation	26,000
Events house	Demolition	18,000
Justice Center	Replace boiler	45,000
	Painting common areas	20,000
	Replace carpet in Administration, elevator, hall	30,000
	Refurbish courtroom Judge's bench and tables	16,000
Outdoor pools	Paint slides and platforms	45,000
Bristol barn	Replace roof gutters and structural supports	20,000
Conine barn	Repair floor joists and foundation	100,000
Other barns	Various repairs	15,000
Parks restrooms	Hand dryers and waterless urinals	5,000



## 2014 – 2018 Capital Improvements Program

### Administration – Non-Major Projects

Recreation Center (DCRC)	Replace/consolidate electrical transformers	45,000
	Replace Evapco cooling towers	60,000
	Replace hot water storage tanks	40,000
	Paint gymnasium	40,000
	Install concrete deck in leisure pool	165,000
	Replace carpet in fitness area	28,000
	Replace rubber flooring - class C & weight room	66,000
Citywide	Replace carpet and other flooring	50,000
	HVAC and pump replacements	25,000
	Other miscellaneous in-house renovations	15,000
Rounding		2,000
<b>Total</b>		<b>\$915,000</b>

**AB0802**    **Technology improvements** – Funds have been allocated 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 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.

**AA1401**    **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.



**2014 – 2018 Capital Improvements Program**

**Administration – Non-Major Projects**

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CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2014-2018

PROJECT NO.	DESCRIPTION	PRIOR YEARS (\$000)	2013	2014	2015	2016	2017	2018	TOTAL 14-18
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PARKS & RECREATION / NONMAJOR PROJECTS

AR1401	Park renovations/improvements	0	460	630	450	450	550	450	2,530
GR0108	Ballantrae Park	5,814	0	0	0	0	0	0	0
GR1011	Llewellyn Farms South Park	0	0	0	0	0	100	0	100
GR1012	Emerald Parkway Bridge Park	16	435	0	0	0	0	0	0
GR1113	IGS Park (TIF)	153	0	0	0	0	150	0	150
GR1301	Cramer Crossing Reserve East	0	75	0	0	0	0	0	0
GR1201	Dublin Arts Council Site renovations	80	35	15	90	0	250	0	355
GR1202	Scioto Park restrooms	46	435	0	0	0	0	0	0
GR1401	Wallace tract	0	0	10	0	0	0	0	10
GR1402	Brandon Pond fishing pier	0	0	55	0	0	0	0	55
GR1403	Outdoor exercise equipment	0	0	35	0	0	0	0	35
GR1404	Obstacle course	0	0	255	0	0	0	0	255
9/9/2013	<b>TOTAL</b>	<b>6,109</b>	<b>1,440</b>	<b>1,000</b>	<b>540</b>	<b>450</b>	<b>1,050</b>	<b>450</b>	<b>3,490</b>



## 2014 - 2018 Capital Improvements Program

### Parks and Recreation - Non-Major Projects

**AR1401** **Park renovation/improvements** - This project is for renovation/improvements to various existing parks. The maintenance and rehabilitation of our parks is an important part of the Parks CIP. The following renovations and improvements are programmed:

Location	Description	Amount
Donegal Cliffs	Playground/basketball court	\$345,000
Dublin Spring	Stairway replacement	88,550
	Driveway replacement	18,600
	Walking path	13,380
Wedgewood Hills	Split rail fence replacement	4,025
Monterey and Hawks Nest	Basketball resurfacing	19,000
Darree Fields	Musco lighting control link retro fit	30,000
Llewellyn and Donegal	Replace drinking fountains	7,000
Skate park	Various repairs	10,000
DCRC green roof	Change path from bamboo to tile	25,000
Various parks	Stone wall masonry repairs	15,000
Various parks	Fence repairs	54,000
Rounding		445
<b>Total</b>		<b>\$630,000</b>

**GR0108** **Ballantrae Park** – Beyond 2018, the master plan includes a shelter house, parking area, overlook plaza, an internal bike path, site amenities and landscaping.

## **2014 - 2018 Capital Improvements Program**

### **Parks and Recreation - Non-Major Projects**

- GR1011**     **Llewellyn Farms South Park** – Funding is programmed in 2017 for the development of an internal path system, picnic grove, site furnishings and landscaping.
- GR1012**     **Emerald Parkway Bridge Park** – This project will provide access to the Scioto River at the Emerald Parkway Bridge. The project will include a permeable surface parking area, pathways and landscaping. This project is in line with Council's goal of providing access to the Scioto river corridor. Construction is scheduled in 2013. The timing of this project has taken into consideration construction of the Emerald Parkway – Phase 8 project.
- GR1113**     **IGS Park** – Per the Economic Development Agreement (EDA), funds programmed in 2017 provide for a second internal bridge connecting Interstate Gas Supply (IGS) to the park upon completion of their building expansion.
- GR1301**     **Cramer Crossing Reserve East** – Funding in 2013 provides for a gazebo, walking paths and associated landscaping.
- GR1201**     **Dublin Arts Council site renovations** – Funds in 2014 are for document preparation of the major retaining wall construction programmed for completion in 2015. Funds are programmed in 2017 for the implementation of the master plan.
- GR1202**     **Scioto Park restrooms** – Funding in 2013 is for the construction of new restrooms with water and sewer connections.
- GR1401**     **Wallace tract** – Funds programmed in 2014 are for general site improvements.
- GR1402**     **Brandon Pond fishing pier** – Funding programmed in 2014 is for the construction of a fishing pier to be used for fishing and wildlife observation.



## **2014 - 2018 Capital Improvements Program**

### **Parks and Recreation - Non-Major Projects**

**GR1403**    **Outdoor exercise equipment** – Funding is provided in 2014 to construct approximately nine (9) pieces of outdoor rated exercise equipment to promote physical health. The site location is to be determined, however the criteria for the site is a well traveled path area that has an environment that encourages social interaction.

**GR1404**    **Obstacle course** – Funds programmed in 2014 provide for opportunities for active children, families, and adults with the construction of a linear seven station obstacle course and a three ring pod course with seven stations per ring.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2014-2018

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2013	2014	2015	2016	2017	2018	TOTAL 14-18
<b>POLICE / NONMAJOR PROJECTS</b>									
PP0803	Replacement lasers	42	0	0	0	10	0	0	10
PP0804	Replacement radars	58	0	10	0	10	0	0	20
PP1301	Intersection & Crime Prevention Cameras	0	105	80	80	0	0	0	160
PP1202	Ballistic Helmets	20	0	0	0	0	25	0	25
PP1302	Automatic License Plate Readers	0	125	0	100	0	0	0	100
PP1303	Replacement Ballistic Shields	0	15	0	0	0	0	20	20
PP1401	Replacement Logging Recorder	0	0	150	0	0	0	0	150
PP1402	TAI Measurement Equipment	0	0	25	0	0	0	0	25
PP1403	CIU Surveillance & Tracking Equipment	0	0	35	0	0	0	0	35
PP1602	Replacement Firearms	0	0	0	0	120	0	0	120
PP1501	Replacement Automated External Defibrillators (AED)	0	0	0	20	20	20	0	60
9/9/2013	<b>TOTAL</b>	<b>120</b>	<b>245</b>	<b>300</b>	<b>200</b>	<b>160</b>	<b>45</b>	<b>20</b>	<b>725</b>



## **2014 - 2018 Capital Improvements Program**

### **Police - Non-Major Projects**

- PP0803**     **Replacement lasers** – Funds are programmed for the purchase of lasers to replace aging lasers over the course of three non-consecutive years. The lasers have an estimated life of 10 years.
- PP0804**     **Replacement radars** – Funds programmed will be used to purchase radars to replace aging radars. The first replacement occurred in 2012 with additional funds programmed in 2014 and 2016. The radars have an estimated life of 10 years.
- PP1301**     **Intersection and Crime Prevention Cameras** – This project will provide 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 life.
- PP1302**     **Automatic license plate readers** – Funds programmed in 2013 and 2015 provide for the 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.



## **2014 - 2018 Capital Improvements Program**

### **Police - Non-Major Projects**

**PP1303**     **Replacement ballistic shields** – Funds in 2013 and 2018 are programmed for the replacement of existing ballistic shields that have a five-year expiration.

**PP1401**     **Replacement logging recorder** – Funds in 2014 are programmed for the replacement of current equipment which records all communications over the Division's radio system and phone lines in the Communications center. The current equipment is almost 17 years old.

**PP1402**     **Traffic Accident Investigation (TAI) measurement equipment** – Funds in 2014 are programmed for the purchase of a GPS based system for use by the TAI unit in mapping serious/fatal traffic crash scenes. A GPS based mapping system offers millimeter or centimeter positioning accuracy for serious injury or fatal traffic crashes. GPS based crash scene mapping will increase the accuracy of information gathered during scene processing and the accuracy of scale diagrams. The system will decrease the time required to process crash scenes and duration of roadway closures. Single point operation increases officer safety by decreasing the number of investigators needed to map a crash scene.

**PP1403**     **Community Impact Unit (CIU) surveillance & tracking equipment** – Funds in 2014 are programmed for the purchase of CIU surveillance and tracking equipment. Initial funding for the CIU was approved in the 2013 operating budget. The CIU will have two CIU investigators assigned to pro-active investigations, policing strategies and tactics, problem-solving and street crime prevention. Their activities will include suspect and area surveillance, bait operations, bait tracking, suspect tracking, suspect identification, developing suspect profiles, interviewing witnesses, collecting and preserving evidence. These funds will be utilized to purchase surveillance, bait, recording and tracking equipment.



## **2014 - 2018 Capital Improvements Program**

### **Police - Non-Major Projects**

**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.

**PP1501**     **Replacement Automated External Defibrillators** – Funds programmed in 2014, 2015, and 2016 provide for the replacement of current Automated External Defibrillators (AED) that were purchased in 1998.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2014-2018

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2013	2014	2015	2016	2017	2018	TOTAL 14-18
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SANITARY SEWER SYSTEM \ NONMAJOR

ES1401	Annual sanitary sewer maintenance program	0	200	200	200	200	200	200	1,000
ES1110	North Fork sewer-capacity improvement	0	0	0	0	0	0	0	0
ES1202	Manhole rehabilitations	221	0	0	500	0	0	0	500
ES1302	River Forest sanitary improvements	0	310	0	0	0	0	0	0
9/9/2013	<b>TOTAL</b>	<b>221</b>	<b>510</b>	<b>200</b>	<b>700</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>1,500</b>



## **2014 - 2018 Capital Improvements Program**

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

**ES1401**     **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. No funding has been programmed in the five year period.

**ES1202**     **Manhole rehabilitations** – This project provides for the repair of sanitary sewer manholes in accordance to the schedule needed to be in compliance with the “Director’s Final Findings and Orders” issued by the Ohio Environmental Protection Agency (OEPA). This project repairs 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 for the North Fork and South Fork Indian Run sewer sheds in 2015.

**ES1302**     **River Forest sanitary improvements** – Provides for the installation of sanitary sewer manholes in place of cleanouts and point repairs in the main line pipes. The manholes installed in this project will provide better long-term access to the sewer for maintenance and will repair damaged pipe sections.



**2014 - 2018 Capital Improvements Program**  
**Sanitary Sewer System - Non-Major Projects**

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CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2014-2018

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2013	2014	2015	2016	2017	2018	TOTAL 14-18
<b>TRANSPORTATION / NONMAJOR PROJECTS</b>									
AT1401	Annual street maintenance program	0	3,150	3,500	3,500	3,700	3,900	4,100	18,700
AT1402	Annual infrastructure/roadside improvement program	0	325	300	50	185	185	280	1,000
AT1403	Annual shared-use path maintenance	0	450	735	450	75	75	75	1,410
AT1404	Annual shared-use path connections/additions (Some TIF funded)	0	285	525	780	645	350	770	3,070
AT1406	Annual sidewalk program	0	375	250	0	250	0	250	750
AT1407	Annual parking lot maintenance	0	350	250	100	100	100	100	650
AT1408	Annual pedestrian tunnel maintenance	0	150	150	100	100	100	100	550
AT1410	Annual guardrail replacement & maintenance	0	65	65	65	65	65	65	325
AT1411	Annual bike rack installation	0	25	25	25	25	25	25	125
ET0403	Pedestrian tunnels	746	0	0	0	0	0	0	0
ET1118	Riverside Drive/Hard Road turn lane	66	0	250	0	0	0	0	250
ET1303	Bridge Street school flasher	0	10	55	0	0	0	0	55
9/9/2013	<b>TOTAL</b>	<b>812</b>	<b>5,185</b>	<b>6,105</b>	<b>5,070</b>	<b>5,145</b>	<b>4,800</b>	<b>5,765</b>	<b>26,885</b>



## **2014 - 2018 Capital Improvements Program**

### **Transportation – Non-Major Projects**

**AT1401**     **Annual street maintenance program** - This is an annual allocation for repairing the City's roadways. In 2010, the City contracted with Stantec Consulting Services, Inc. to provide a comprehensive map based pavement condition inventory to aid in planning future maintenance. The pavement analysis has been completed and will be utilized to program the timing of street maintenance work. Based on an index of 1 – 100, with an index of 100 being a new roadway, the current overall index of the City's road-miles is rated with an index of 82. The allocation for 2014 and 2015 reflects an approximate 10% increase over 2013 to perform additional catch-up work. The remaining years reflect an annual increase of approximately 5% to 10%.

**AT1402**     **Annual infrastructure/roadside improvement program** – Beginning in 2013, annual infrastructure repairs and annual roadside improvements were combined into one project. 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, bridge deck sealing, repair to stone walls, painting of mast arm poles and other right-of-way repairs. Many times, this program is completed in conjunction with the Annual Street Maintenance program. As with other annual programs, departments have been working together to inventory areas needing improvement, and identify the anticipated year of completion.

**AT1403**     **Annual shared-use path maintenance** – Programming includes an annual allocation for crack sealing repairs for shared-use paths along with funding to replace or overlay specifically identified portions of the City's shared-use paths. This project is completed in conjunction with the Annual Street Maintenance program. Each year, Engineering and Parks and Open Space identify and prioritize shared-use paths that are in need of maintenance. As a result, additional funds have been programmed in 2014 and 2015 to repair the identified priority shared-use paths. 2016 through 2018 include allocations for crack sealing repairs. For the 2014-2018 CIP, maintenance of existing paths has been identified as a priority over installation of new paths.



## 2014 - 2018 Capital Improvements Program

### Transportation – Non-Major Projects

**AT1404** **Annual shared-use path connections/additions** - These funds are utilized in areas where roadway projects or developer contributions are not likely or in locations where pedestrian safety is an issue.

As a result of City Council’s 2007 goal-setting session, the funding for shared-use path connections increased from the previous annual allocation of \$150,000 to fund the design, construction and landscaping of the Brand Road, Dublin Road and Glick Road shared-use paths. These projects, based on the estimated costs, have been included separately in Transportation – Major and details will be included in their individual project descriptions.

Staff recently completed a comprehensive review of its shared-use path connection/addition needs and has developed a comprehensive plan for completing these projects to further enhance the City’s comprehensive shared-use path network. For the 2014-2018 CIP, maintenance of existing paths has been identified as a priority over installation of new paths. As the programmed budget for maintenance of existing paths has increased for 2014, the funds programmed for new path additions and connections have been reduced for 2014. In 2014, the following connections/additions are programmed for completion:

<b>General Location</b>	<b>Construction Amount</b>
Hyland-Croy Road, north of Brand Road	\$82,500
Hard Road (Scioto High Path) behind Thaddeus Kosciuszko Park/Connection to Wyandotte Woods (pending construction of cul-de-sac in Wyandotte Woods)	\$200,000
Martin Road to Welland Street	\$76,000
<b>Total</b>	<b>* \$358,500</b>

\*- The difference between the funded amount of \$525,000 and the construction total above is funding allocated towards design expenses for future projects.



## **2014 - 2018 Capital Improvements Program**

### **Transportation – Non-Major Projects**

**AT1406**    **Annual sidewalk program** - This is an annual allocation to replace deficient sidewalks throughout the City. A condition assessment was completed by the Division of Engineering and the replacements will be made based on this assessment. A component of the program is the replacement of the street trees where necessary. 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.

In order to take advantage of economies of scale, the City will allocate funds every other year in the amount \$250,000 beginning in 2013. To jump start this program, an additional \$125,000 was programmed in 2013. In previous years, \$125,000 was programmed annually. Based on this schedule, funds are programmed in 2014, 2016 and 2018.

**AT1407**    **Annual parking lot maintenance** – This project is administered by the Division of Engineering and will likely be completed in conjunction with the Annual Street Maintenance Program. Timing and completion is based on a comprehensive analysis of all City-owned parking lots. Additional funds were allocated in 2012 to complete the parking lots at the Fleet maintenance facility and City Hall, and additional funds were allocated in 2013 to maintenance the Darree Fields parking lot. Additional funding is also programmed in 2014 for maintenance of the Avery Park parking lot. Funding in the amount of \$100,000 annually is programmed in 2015-2018 as an allocation for future needs.

**AT1408**    **Annual pedestrian tunnel maintenance** – This is an annual allocation for maintenance identified during a previous assessment and condition analysis of the pedestrian tunnels. Additional funds were programmed in 2013 and 2014 to expedite the repairs of the tunnels with more pressing needs. Another inspection will be completed in late summer 2013 by the City's Engineering staff. From the results of that inspection, necessary improvements will be prioritized for future years.



## **2014 - 2018 Capital Improvements Program**

### **Transportation – Non-Major Projects**

**AT1410**     **Annual guardrail replacement and maintenance** – This annual allocation will allow for the wood guardrails within Dublin to be maintained and/or replaced in compliance with current standards.

**AT1411**     **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.

**ET0403**     **Pedestrian tunnels** - A pedestrian tunnel study was adopted by City Council on December 15, 2003. This study included a priority listing of tunnel locations to be programmed. A tunnel at Brand Road/Bristol Parkway was completed in 2005/2006 and Dublin Road/River Forest Road was completed in 2006. Funding is not programmed in this five year period for additional pedestrian tunnel projects.

**ET1118**     **Riverside Drive (State Route 257)/Hard Road turn lane** – To improve traffic operations and safety at this intersection, programming is provided to install a northbound right turn lane from Riverside Drive to Hard Road. The project will include new pavement, grading, shoulder work and drainage. Design has been completed and construction is scheduled for completion in 2014. This project will be funded out of the State Highway Fund.

**ET1303**     **Bridge Street School Flasher**– Design is programmed in 2013 and construction in 2014 for replacement of the mast arm and school flasher on west bound Bridge Street. This will provide for improved visibility. Funding includes a new electronic sign in the eastbound direction (east of Monterey Drive) to indicate whether the school zone or regular speed limit is in force. This project will be funded out of the State Highway Fund.

CITY OF DUBLIN  
 CAPITAL IMPROVEMENT PROJECTS  
 2014-2018

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2013	2014	2015	2016	2017	2018	TOTAL 14-18
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WATER DISTRIBUTION SYSTEM \ NONMAJOR PROJECTS

AW1001	Water line replacement	243	0	550	0	550	0	550	1,650
AW0604	Booster station upgrades	656	0	0	55	0	0	0	55
EW0102	Water tower maintenance	1,679	0	325	315	0	0	300	940
EW1301	Water Quality Units	0	0	315	0	0	0	0	315
9/9/2013	<b>TOTAL</b>	<b>2,578</b>	<b>0</b>	<b>1,190</b>	<b>370</b>	<b>550</b>	<b>0</b>	<b>850</b>	<b>2,960</b>



## **2014 - 2018 Capital Improvements Program**

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

**AW1001** **Water line replacement** - The City's water system is relatively new and the City has not needed to replace existing lines. 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 and have completed an analysis of the lines to determine when replacement should occur.

There is funding allocated in 2014, 2016 and 2018 to replace the 2" and 3" lines. Allocating funds on a biennial basis will allow for long-term debt to be issued when appropriate.

**AW0604** **Booster station upgrades** - This project will ensure that water supply to the storage tanks is adequate. Based on system evaluations completed by ms consultants, the City of Columbus and Dublin staff in 2007, funds have been programmed for pump replacements at the City's booster stations.

Based on the evaluation recently completed by ms consultants, the following upgrades have been programmed:

2015 - Various maintenance and repairs at the Rings Road and Tartan booster stations.

Engineering maintains a comprehensive schedule for future maintenance and repairs associated with the booster stations.

**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 three(3) existing water towers. Funds programmed in 2014 are for interior painting of the Avery tower, and 2015 includes funds for interior painting of the Rings/Blazer tower. Engineering maintains a comprehensive schedule for future water tower maintenance.



## **2014 - 2018 Capital Improvements Program**

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

**EW1301**    **Water quality units** – Funds were deferred from 2013 to 2014 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  
 2014-2018

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2013	2014	2015	2016	2017	2018	TOTAL 14-18
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STORMWATER SYSTEM \ NONMAJOR PROJECTS

AF1401	Annual stormwater maintenance	0	560	560	560	560	560	560	2,800
9/9/2013	<b>TOTAL</b>	<b>0</b>	<b>560</b>	<b>560</b>	<b>560</b>	<b>560</b>	<b>560</b>	<b>560</b>	<b>2,800</b>



## **2014 - 2018 Capital Improvements Program**

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

**AF1401**    **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.