

2012 – 2016

Capital

Improvements

Program



CITY OF DUBLIN™

Adopted by: Ordinance No. 40-11

2012 - 2016
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 time frames 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.
- As indicated by the above points, the Operating Budget is the document which authorizes the actual funding 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).

2012 - 2016
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 2011 were up 5.3% compared to the same period of time in 2010. Based on the July year-to-date income tax collections and an analysis of the remaining months of the year, we are projecting income tax revenues to be “flat” in 2011. Revenues are projected to increase 0.5% in 2012. Beyond 2012 we are projecting moderate rates of growth in income tax revenues as follows:

2013	-	1.5%	2015	-	1.5%
2014	-	1.5%	2016	-	1.5%

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 2010 General Fund year-end balance equaled 75.9% of expenditures and operating transfers. The percentage as of the year-end 2011 is projected to remain above 70%.
- 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 2010 combined Water and Sewer Fund balances, including advances, equal 23.79% of the total historical value of both systems.

- In 2012, 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 percent 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 in 2010 and 2011. Recognizing the benefits and flexibility of allocating more of the City’s “inside millage” to the Capital Improvements Tax Fund, Council approved allocating 1.40 mills to the Capital Improvements Tax Fund and .35 mills to the Parkland Acquisition Fund from 2012–2016. This allocation will be 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.

2012 - 2016
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 6 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 effective January 1, 2008, 2009 and 2011. The capacity charge for a 3/4" tap was increased to \$2,100 effective 1/1/2009. We will 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.

**2012-2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
INCOME TAX REVENUE PROJECTIONS**

	2010	2011	2012	2013	2014	2015	2016
Income Tax Revenue*	\$68,860,785	\$68,860,785	\$69,205,089	\$70,243,165	\$71,296,813	\$72,366,265	\$73,451,759
Revenue for capital projects (25% of income tax revenue)	17,215,196	17,215,196	17,301,272	17,560,791	17,824,203	18,091,566	18,362,940
(1) Revenue available for cash capital projects	6,886,079	6,886,079	6,920,509	7,024,317	7,129,681	7,236,626	7,345,176
(2) Revenue available for debt financed projects	10,329,118	10,329,118	10,380,763	10,536,475	10,694,522	10,854,940	11,017,764
Recommended maximum amount of outstanding debt (3)	71,802,148	94,163,668	98,440,768	85,010,952	83,028,051	82,139,400	82,970,377

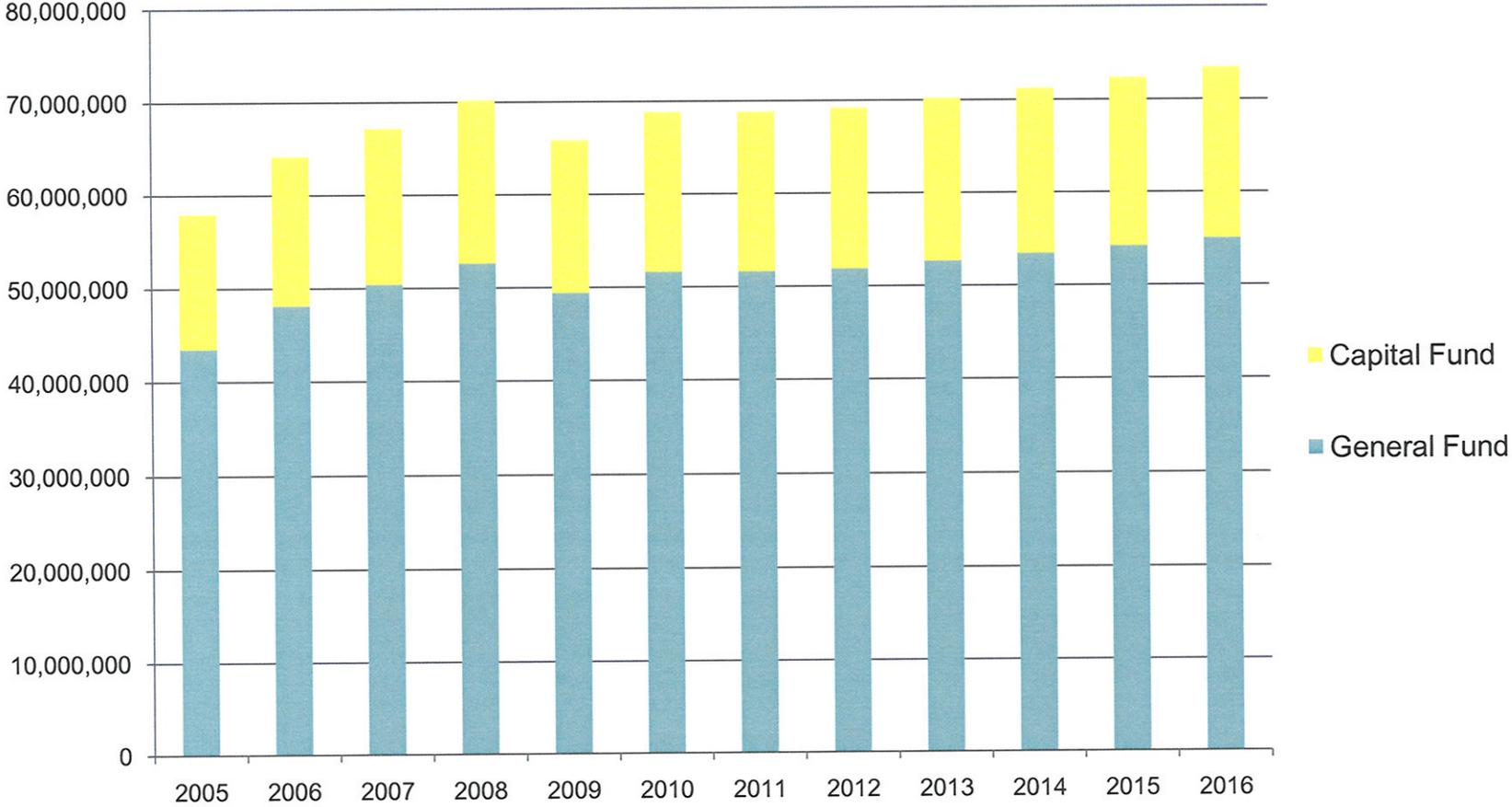
* Income tax revenues for 2009 and 2010 reflect actual collections.

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

- 2011-"Flat"
- 2012-0.5%
- 2013-1.5%
- 2014-1.5%
- 2015-1.5%
- 2016-1.5%

- (1) 40% of the 25% designated for capital improvements is further designated for cash capital projects.
- (2) 60% of the 25% designated for capital improvements is further designated to retire debt issued for capital projects.
- (3) 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.

2012-2016
Five Year Capital Improvements Program
Income Tax Revenue
Actuals/Projections



**2012-2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
STATEMENT OF PROJECTED REVENUE, EXPENSES AND
CHANGES IN SEWER FUND CASH BALANCE**

	2010	2011	2012	2013	2014	2015	2016
Revenues:							
User charges	\$1,791,969	\$1,732,650	\$1,772,781	\$1,826,096	\$1,836,590	\$1,847,084	\$1,857,578
Tap fees	181,820	150,000	150,000	150,000	150,000	150,000	200,000
Interest	182,092	176,400	96,910	109,689	100,898	91,614	79,477
Other	253,077	0	0	0	0	0	0
Income tax subsidy	124,719	0	0	0	0	0	0
	<u>2,533,677</u>	<u>2,059,050</u>	<u>2,019,691</u>	<u>2,085,785</u>	<u>2,087,488</u>	<u>2,088,698</u>	<u>2,137,055</u>
Expenses:							
Salaries/wages	518,607	544,537	555,428	566,537	589,198	612,766	637,277
Benefits/uniforms	201,310	209,362	217,737	226,446	235,504	244,924	254,721
Utilities	591	626	664	704	746	791	838
Contract services	69,455	50,000	50,000	50,000	50,000	50,000	50,000
Repairs/maintenance	139,083	150,000	150,000	150,000	150,000	150,000	150,000
Other	624	15,000	15,000	15,000	15,000	15,000	15,000
	<u>929,670</u>	<u>969,526</u>	<u>988,829</u>	<u>1,008,687</u>	<u>1,040,448</u>	<u>1,073,481</u>	<u>1,107,836</u>
Capital expenditures	467,195	761,700	0	0	0	0	0
Debt service:							
Existing-prior to 1992	124,719	0	0	0	0	0	0
USWBI	1,350,721	1,350,721	1,350,721	1,350,721	1,350,721	1,350,721	1,350,721
2009 issue	188,657	155,815	154,015	152,215	155,415	153,562	151,555
2012 issue	0	0	160,000	160,000	160,000	160,000	160,000
2015 issue	0	0	0	0	0	160,000	160,000
	<u>1,664,097</u>	<u>1,506,536</u>	<u>1,664,736</u>	<u>1,662,936</u>	<u>1,666,136</u>	<u>1,824,283</u>	<u>1,822,276</u>
Net cash (required) provided	(527,285)	(1,178,712)	(633,873)	(585,838)	(619,096)	(809,066)	(793,057)
Advances-out	(30,425)	0	0	0	0	0	0
Advances-in	0	0	1,485,700	0	0	0	0
Beginning balance	8,196,973	7,639,264	6,460,552	7,312,379	6,726,541	6,107,445	5,298,378
Ending balance	<u>\$7,639,264</u>	<u>\$6,460,552</u>	<u>\$7,312,379</u>	<u>\$6,726,541</u>	<u>\$6,107,445</u>	<u>\$5,298,378</u>	<u>\$4,505,321</u>

2012 - 2016
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 64-09.
- Effective 1/1/2010 and 1/1/2011, an increase of .25 MCF in user charges for sewer was approved.
- Effective 1/1/2010, a reallocation of .25 per MCF in user charges from water to sewer was approved.
- Effective 1/1/2012, a reallocation of .25 per MCF in user charges from water to sewer was recommended and will be included as part of the cost study recommended changes.
- Average number of ERUs for 2011 reflects a growth of 81. This is based on the number of residential building permits issued in 2010 for new units.
- Average number of ERUs for 2011 and forward are 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 2012 through 2016:
 - 2012 - 75
 - 2013 - 75
 - 2014 - 75
 - 2015 - 75
 - 2016 - 75
- Beyond 2016 estimated ERU growth:
 - 2017 - 2021 - 100

Statement of Projected Revenue, Expenses and Charges 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.

Sewer Fund Assumptions (Continued)

- Debt service obligations for the USWBI (Upper Scioto West Branch Interceptor) assume the debt will be retired 100% from Sewer Fund resources.
- The 2012 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.
- 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.

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, 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 an phased-in area-by-area approach), to identify sources and quantities of I and I/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 debt service obligations programmed in 2012 and 2015 are for debt issues that 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 2020. Using the above assumptions, sufficient revenue to maintain a “positive” cash balance will be available through the year 2020, and the projected balance will not meet the goal of 25% of the historical value of the system assets. However, the 2010 combined Water and Sewer Fund balances, including advances, equal 23.79% 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.

**2012-2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
STATEMENT OF PROJECTED REVENUE, EXPENSES AND
CHANGES IN WATER FUND CASH BALANCE**

	2010	2011	2012	2013	2014	2015	2016
Revenues:							
User charges	\$839,306	\$819,364	\$823,126	\$826,888	\$830,650	\$834,412	\$838,174
Tap fees	186,374	135,000	135,000	135,000	135,000	135,000	180,000
Interest	297,662	277,300	180,282	171,014	174,708	171,441	168,993
Fire hydrant permits/Other	123,350	1,000	1,000	1,000	1,000	1,000	1,000
Subsidy for debt service	279,660	0	0	0	0	0	0
	<u>1,726,352</u>	<u>1,232,664</u>	<u>1,139,408</u>	<u>1,133,902</u>	<u>1,141,358</u>	<u>1,141,852</u>	<u>1,188,167</u>
Expenses:							
Salaries/wages	103,245	108,407	110,575	112,787	117,298	121,990	126,870
Benefits/uniforms	43,225	45,386	47,202	49,090	51,053	53,095	55,219
Utilities	144,075	151,279	157,330	163,623	170,168	176,975	184,054
Equipment maintenance	36	38	40	43	45	48	51
Contract services	136,479	75,000	75,000	75,000	75,000	50,000	50,000
Hydrant maintenance	7,781	8,170	8,497	8,837	9,190	9,558	9,940
Other	0	15,000	15,000	15,000	15,000	15,000	15,000
	<u>434,841</u>	<u>403,280</u>	<u>413,644</u>	<u>424,379</u>	<u>437,755</u>	<u>426,667</u>	<u>441,134</u>
Capital expenditures	490,581	1,561,800	850,000	315,000	775,000	1,090,000	0
Debt service:							
Existing	279,660	0	0	0	0	0	0
1994 issue	360,360	358,400	355,480	356,600	356,440	0	0
2009 issue(net)	138,486	139,773	138,173	141,573	139,873	138,215	141,420
2012 issue	0	0	216,000	216,000	216,000	216,000	216,000
	<u>778,506</u>	<u>498,173</u>	<u>493,653</u>	<u>498,173</u>	<u>496,313</u>	<u>138,215</u>	<u>141,420</u>
Net cash (required) provided	22,424	(1,230,590)	(617,889)	(103,651)	(567,710)	(513,029)	605,613
Advances-out	0	0	0	0	0	0	0
Advances-in	0	0	0	350,000	350,000	350,000	350,000
Transfer-out	0	0	0	0	0	0	0
Beginning balance	13,226,860	13,249,284	12,018,694	11,400,805	11,647,154	11,429,444	11,266,414
Ending balance	<u>\$13,249,284</u>	<u>\$12,018,694</u>	<u>\$11,400,805</u>	<u>\$11,647,154</u>	<u>\$11,429,444</u>	<u>\$11,266,414</u>	<u>\$12,222,027</u>

**2012 – 2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
WATER FUND ASSUMPTIONS**

The following information provides the assumptions used in the analysis.

Projected User Changes and Capacity Charges (Tap Fees)

Assumptions:

- Revenues based on ERUs and authorized fees established by Ordinance 64-09.
- Effective 1/1/2010, a reallocation of .25 per MCF in user charges from water to sewer has been approved.
- Effective 1/1/2012, a reallocation of .25 per MCF in user charges from water to sewer was recommended and will be included as part of the cost study recommended changes.
- Average number of ERUs for 2011 reflects a growth of 81. This is based on the number of residential building permits issued in 2010 for new units.
- Average number of ERUs for 2011 and forward are 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 2012 through 2016
 - 2011 - 75
 - 2012 - 75
 - 2013 - 75
 - 2014 - 75
 - 2015 - 75
- Beyond 2016 estimated ERU growth:
 - 2017 – 2021 - 100

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 included for water hydrant program.
- The 1994 debt service obligation provides funding to retire the debt on the \$4,100,000 in long-term bonds issued for the Rings/Blazer water tower.

Water Fund Assumptions (Continued)

- 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 issue is based on the current plan to issue \$2.7 million in long-term debt for the construction of 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 Road and Tartan Ridge and to extend an 8-inch watermain along the northern part of the Fishel Drive Loop.
- Funding has been programmed to replace water lines in 2012 and 2014. A comprehensive list of areas to review for water line replacement will be prepared and an analysis of the lines completed to determine the future replacement programming needs.

The Statement of Projected Revenue, Expenses and Changes in Water Fund Cash Balance were prepared through the year 2020. 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. The projected balance and outstanding advances will meet the goal of 25% of the historical value of the system assets. The rate of growth and the user fees and capacity charges will continue to be evaluated annually.

**2012 - 2016
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.

**2012 - 2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
FUNDED PROJECTS**

PROJECT		TOTAL COST	PRIOR YEAR(S)	2011	2012	2013	2014	2015	2016	TOTAL 2012 - 2016
ET0103	Tuttle Crossing Boulevard extension-Wilcox Road to Avery Road (TIF)									
	Architectural/Engineering fees	652,000	2,000		150,000	500,000				650,000
	Acquisition	1,811,000	11,000				1,800,000			1,800,000
	Construction	0								0
	Other Expenses	0								0
	Total	2,463,000	13,000	0	150,000	500,000	1,800,000	0	0	2,450,000
ET0104	Emerald Parkway-Riverside Drive to Billingsley Creek (TIF)									
	Architectural/Engineering fees	1,104,000	814,000	290,000						0
	Acquisition	2,115,000	2,115,000							0
	Construction	9,569,000	69,000		9,500,000					9,500,000
	Other Expenses	210,000			210,000					210,000
	Total	12,998,000	2,998,000	290,000	9,710,000	0	0	0	0	9,710,000
ET0205	Emerald Parkway-Rings Road to Tuttle Crossing Boulevard (TIF)									
	Architectural/Engineering fees	464,000	464,000							0
	Acquisition	22,000	22,000							0
	Construction	1,800,000			1,800,000					1,800,000
	Other Expenses	0								0
	Total	2,286,000	486,000	0	1,800,000	0	0	0	0	1,800,000
ET1119	Relocated Rings Road									
	Architectural/Engineering fees	90,000			90,000					90,000
	Acquisition	350,000				350,000				350,000
	Construction	725,000						725,000		725,000
	Other expenses	0								0
	Total	1,165,000	0	0	90,000	350,000	0	725,000	0	1,165,000
ET1202	Frantz Road utility burial (TIF)									
	Architectural/Engineering fees	75,000		75,000						0
	Acquisition	0								0
	Construction	750,000				750,000				750,000
	Other expenses	0								0
	Total	825,000	0	75,000	0	750,000	0	0	0	750,000
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	0								0
	Total	2,879,000	229,000	0	2,650,000	0	0	0	0	2,650,000
ET1101	Railroad Quiet Zones									
	Architectural/Engineering fees	10,000	10,000							0
	Acquisition	0								0
	Construction	470,000			470,000					470,000
	Other expenses	0								0
	Total	480,000	10,000	0	470,000	0	0	0	0	470,000
ET1103	LED street light replacement									
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	2,300,000		300,000	2,000,000					2,000,000
	Other expenses	0								0
	Total	2,300,000	0	300,000	2,000,000	0	0	0	0	2,000,000
9/12/2011										

**2012 - 2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
FUNDED PROJECTS**

PROJECT	TOTAL COST	PRIOR YEAR(S)	2011	2012	2013	2014	2015	2016	TOTAL 2012 - 2016
Intersection improvements:									
ET0405	Hyland-Croy Road/Brand Road (TIF)								
	Architectural/Engineering fees	300,000	300,000						0
	Acquisition	200,000		200,000					0
	Construction	3,400,000			3,400,000				3,400,000
	Other expenses	0							0
	Total	3,900,000	300,000	200,000	3,400,000	0	0	0	3,400,000
ET0410	Avery-Muirfield Drive/Perimeter Loop/Perimeter Drive (TIF) intersection (TIF)								
	Architectural/Engineering fees	1,099,000	599,000	500,000					0
	Acquisition	450,000	120,000		330,000				330,000
	Construction	5,932,000	2,432,000			3,500,000			3,500,000
	Other expenses	0							0
	Total	7,481,000	3,151,000	500,000	330,000	3,500,000	0	0	3,830,000
ET0508	Riverside Drive/SR161(TIF)								
	Architectural/Engineering fees	616,000	216,000		400,000				400,000
	Acquisition	2,538,000	38,000	2,500,000					0
	Construction	0							0
	Other expenses	0							0
	Total	3,154,000	254,000	2,500,000	400,000	0	0	0	400,000
ET0511	Avery-Muirfield/Tullymore/Valley Stream/Avery Road								
	Architectural/Engineering fees	151,000	51,000	100,000					0
	Acquisition	0							0
	Construction	700,000				700,000			700,000
	Other expenses	0							0
	Total	851,000	51,000	100,000	0	700,000	0	0	700,000
ET0605	Sawmill Road/Hard Road (TIF)								
	Architectural/Engineering fees	222,000	222,000						0
	Acquisition	13,000	13,000						0
	Construction	2,250,000			550,000		1,700,000		2,250,000
	Other expenses	0							0
	Total	2,485,000	235,000	0	550,000	0	1,700,000	0	2,250,000
ET1001	Cosgray Road/Shier Rings Road								
	Architectural/Engineering fees	191,000	191,000						0
	Acquisition	250,000		250,000					0
	Construction	1,600,000			1,600,000				1,600,000
	Other expenses	50,000			50,000				50,000
	Total	2,091,000	191,000	250,000	1,650,000	0	0	0	1,650,000
ET0809	Hyland Croy-McKittrick Road								
	Architectural/Engineering fees	180,000				180,000			180,000
	Acquisition	50,000					50,000		50,000
	Construction	1,200,000						1,200,000	1,200,000
	Other expenses	30,000						30,000	30,000
	Total	1,460,000	0	0	0	180,000	50,000	0	1,230,000
ET0904	Perimeter Drive/Commerce Parkway (TIF)								
	Architectural/Engineering fees	119,000	119,000						0
	Acquisition	0							0
	Construction	1,115,000		1,115,000					0
	Other expenses	0							0
	Total	1,234,000	119,000	1,115,000	0	0	0	0	0
9/12/2011									

**2012 - 2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
FUNDED PROJECTS**

PROJECT		TOTAL COST	PRIOR YEAR(S)	2011	2012	2013	2014	2015	2016	TOTAL 2012 - 2016
ET1401	I-270/US 33 Interchange phase 1 improvements (Potential TIF)									
	Architectural/Engineering fees	1,300,000		500,000		800,000				800,000
	Acquisition	5,000,000					5,000,000			5,000,000
	Construction	6,600,000							6,600,000	6,600,000
	Other expenses	0								0
	Total	12,900,000	0	500,000	0	800,000	5,000,000	0	6,600,000	12,400,000
ET1003	Dublin Rd and Glick Rd intersection improvements									
	Architectural/Engineering fees	157,000	157,000							0
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	Total	157,000	157,000	0	0	0	0	0	0	0
ET1102	US33/SR 161/Post Road eastbound ramps									
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	0								0
	Other expenses	150,000			150,000					150,000
	Total	150,000	0	0	150,000	0	0	0	0	150,000
ET1205	Coffman/Brand Road									
	Architectural/Engineering fees	150,000			150,000					150,000
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	Total	150,000	0	0	150,000	0	0	0	0	150,000
	Multi-use paths/bike lanes									
ET1004	Brand Road multi-use path									
	Architectural/Engineering fees	160,000		160,000						0
	Acquisition	285,000		285,000						0
	Construction	1,097,000	82,000		1,015,000					1,015,000
	Other expenses	0								0
	Total	1,542,000	82,000	445,000	1,015,000	0	0	0	0	1,015,000
ET1203	Dublin Road South multi-use path									
	Architectural/Engineering fees	260,000		260,000						0
	Acquisition	0								0
	Construction	1,692,000	92,000		1,600,000					1,600,000
	Other expenses	0								0
	Total	1,952,000	92,000	260,000	1,600,000	0	0	0	0	1,600,000
ET1204	Glick Road multi-use path									
	Architectural/Engineering fees	340,000			340,000					340,000
	Acquisition	60,000				60,000				60,000
	Construction	250,000					250,000			250,000
	Other expenses	40,000					40,000			40,000
	Total	690,000	0	0	340,000	60,000	290,000	0	0	690,000
ET1104	Muirfield Drive bike lanes									
	Architectural/Engineering fees	50,000		50,000						0
	Acquisition	0								0
	Construction	1,460,000				1,460,000				1,460,000
	Other expenses	0								0
	Total	1,510,000	0	50,000	0	1,460,000	0	0	0	1,460,000
9/12/2011										

**2012 - 2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
FUNDED PROJECTS**

PROJECT		TOTAL COST	PRIOR YEAR(S)	2011	2012	2013	2014	2015	2016	TOTAL 2012 - 2016
ET1005	Emerald Parkway Shallows									0
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	120,000		120,000						0
	Other expenses	0								0
	Total	120,000	0	120,000	0	0	0	0	0	0
Total Transportation		67,223,000	8,368,000	6,705,000	26,455,000	8,300,000	8,840,000	725,000	7,830,000	52,150,000
GR9901	Darree Fields development									0
	Architectural/Engineering fees	570,000	540,000	30,000						0
	Acquisition	552,000	552,000							0
	Construction	4,955,000	4,300,000	380,000	275,000					275,000
	Equipment	74,000	74,000							0
	Total	6,151,000	5,466,000	410,000	275,000	0	0	0	0	275,000
GR9902	Coffman Park expansion									280,000
	Architectural/Engineering fees	330,000	50,000		280,000					0
	Acquisition	0								0
	Construction	2,710,000				2,710,000				2,710,000
	Equipment	0								0
	Total	3,040,000	50,000	0	280,000	2,710,000	0	0	0	2,990,000
GR9903	Amberleigh Community Park development									30,000
	Architectural/Engineering fees	165,000	135,000			30,000				0
	Acquisition	732,000	732,000							0
	Construction	1,433,000	1,203,000				230,000			230,000
	Equipment	0								0
	Total	2,330,000	2,070,000	0	0	30,000	230,000	0	0	260,000
GR9904	Emerald Fields (N.E. Quad Park) development									0
	Architectural/Engineering fees	194,000	194,000							0
	Acquisition	1,220,000	1,220,000							0
	Construction	4,294,000	3,769,000						525,000	525,000
	Equipment	0								0
	Total	5,708,000	5,183,000	0	0	0	0	0	525,000	525,000
AL1202	Parkland acquisition									3,250,000
	Acquisition	3,900,000		650,000	650,000	650,000	650,000	650,000	650,000	0
	Total	3,900,000	0	650,000	650,000	650,000	650,000	650,000	650,000	3,250,000
Total Parks		21,129,000	12,769,000	1,060,000	1,205,000	3,390,000	880,000	650,000	1,175,000	7,300,000
ES0701	Sewer lining and repair									0
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	7,263,000	4,463,000		1,300,000			1,500,000		2,800,000
	Other expenses	0								0
	Total	7,263,000	4,463,000	0	1,300,000	0	0	1,500,000	0	2,800,000
ES0601	South Fork sanitary sewer extension									0
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	696,000	336,000	360,000						0
	Other expenses	0								0
	Total	696,000	336,000	360,000	0	0	0	0	0	0
9/12/2011										

**2012 - 2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
FUNDED PROJECTS**

PROJECT		TOTAL COST	PRIOR YEAR(S)	2011	2012	2013	2014	2015	2016	TOTAL 2012 - 2016
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		0
Total		730,000	0	0	0	0	0	730,000	0	730,000
EW1201	Dublin Road water tower									
	Architectural/Engineering fees	150,000		150,000						0
	Acquisition	2,000	2,000							0
	Construction	2,900,000			2,900,000					2,900,000
	Other expenses	0								0
Total		3,052,000	2,000	150,000	2,900,000	0	0	0	0	2,900,000
EF0201	Stormwater improvements									
	Architectural/Engineering fees	466,000	361,000	50,000		30,000	25,000			55,000
	Acquisition	32,000	32,000							0
	Construction	2,875,000	2,260,000			435,000	180,000			615,000
	Other expenses	0								0
Total		3,373,000	2,653,000	50,000	0	465,000	205,000	0	0	670,000
Total Utilities		15,114,000	7,454,000	560,000	4,200,000	465,000	205,000	2,230,000	0	7,100,000
AB0601	Municipal facilities									
	Architectural/Engineering fees	67,000	67,000							0
	Acquisition	0	0							0
	Construction	1,310,000	1,045,000	115,000	150,000					150,000
	Other expenses	0								0
Total		1,377,000	1,112,000	115,000	150,000	0	0	0	0	150,000
AB1001	Upgrade fuel facility for compressed natural gas (CNG)									
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	2,178,000	3,000	2,175,000						0
	Other expenses	0								0
Total		2,178,000	3,000	2,175,000	0	0	0	0	0	0
Total Facilities		3,555,000	1,115,000	2,290,000	150,000	0	0	0	0	150,000
AB0602	Historic Dublin									
	Architectural/Engineering fees	24,000	24,000							0
	Acquisition	381,000	381,000							0
	Construction	4,760,000	3,735,000	250,000	250,000	525,000				775,000
	Other expenses	28,000								0
Total		5,193,000	4,140,000	250,000	250,000	525,000	0	0	0	775,000
AB1301	Bridge Street Corridor									
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	1,250,000			250,000	250,000	250,000	250,000	250,000	1,250,000
	Other expenses	0								0
Total		1,250,000	0	0	250,000	250,000	250,000	250,000	250,000	1,250,000
AI1201	Computer hardware/software									
	Equipment	5,775,000		900,000	990,000	1,135,000	930,000	905,000	915,000	4,875,000
Total		5,775,000	0	900,000	990,000	1,135,000	930,000	905,000	915,000	4,875,000
PP1101	PSAP equipment replacement									
	Equipment	420,000		420,000						0
Total		420,000	0	420,000	0	0	0	0	0	0
AV1201 AV1203	Fleet management program									
	Fleet replacements	7,775,000		1,585,000	1,080,000	1,265,000	1,525,000	1,305,000	1,015,000	6,190,000
	Equipment additions/replacements	1,875,000		295,000	500,000	135,000	490,000	135,000	320,000	1,580,000
Total		9,650,000	0	1,880,000	1,580,000	1,400,000	2,015,000	1,440,000	1,335,000	7,770,000
Total Others		22,288,000	4,140,000	3,450,000	3,070,000	3,310,000	3,195,000	2,595,000	2,500,000	14,670,000
Grand Totals		\$129,309,000	\$33,846,000	\$14,065,000	\$35,080,000	\$15,465,000	\$13,120,000	\$6,200,000	\$11,505,000	\$81,370,000

9/12/2011

**City of Dublin
2012 - 2016 Capital Improvements Program**

Transportation – Major Projects

Tuttle Crossing Boulevard Extension – Wilcox to Avery (Project #ET0103)

This public infrastructure project provides for the extension of Tuttle Crossing Boulevard from its current terminus at Wilcox Road to Avery Road. The project includes the construction of a four-lane boulevard with curb and gutter, bikeway, sidewalk, street lights, traffic signals, a multi-use tunnel and landscaping.

Funds for a preliminary alignment study have been programmed for 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 design and right-of-way acquisition have been programmed in 2013 and 2014, respectively.

Construction is not programmed in this five year period. The construction is programmed to be funded by the issuance of long-term debt with the annual debt service obligations being retired by service payments from the Rings/Frantz TIF for the majority of the project costs and to the extent available, with any shortfall funded by an advance of income tax revenues. Sufficient funding is currently available in the TIF Fund for the design and acquisition that is programmed. The project will continue to be evaluated based on development needs.

**City of Dublin
2012 – 2016 Capital Improvements Program**

Transportation – Major Projects

Emerald Parkway-Riverside Drive to Billingsley Creek (Project #ET0104)

This project provides for the continuation of Emerald Parkway and is the final phase to be completed. The current McKitrick TIF legislation has been modified and in the future will be utilized to fund a portion, or all, of the project to the extent service payments are available.

Cardinal Health's construction of an additional office building on their site has allowed the construction of this project to be programmed. Design was completed in 2009. The right-of-way acquisition was programmed in 2010 and is in process. Construction and landscaping is currently programmed in 2012. Construction will be initiated upon completion of successful right-of-way acquisition negotiations.

The McKitrick TIF Fund has sufficient reserves to fund the design and the current estimate for right-of-way.

Long-term debt will be issued for the construction with the annual debt service payments being made from the McKitrick TIF Fund and, to the extent available, the Kroger Centre TIF Fund and the Lifetime Fitness TIF Fund.

Prior year expenditures include the acquisition of the Jenmar Court properties and a noise study.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Transportation – Major Projects

Emerald Parkway-Rings Road to Tuttle Crossing Boulevard (Project #ET0205)

This project provides for the widening of Emerald Parkway from Rings Road to Tuttle Crossing Boulevard. The modification of the Emerald Parkway/Tuttle Crossing intersection was completed as part of the Tuttle Crossing Boulevard widening project. The City of Columbus and Dublin entered into a Cooperative Design and Right-of-Way Agreement on May 19, 2010. Design has been completed and each City will acquire its own right-of-way. Construction of the overall project is currently anticipated to be administered by the City of Columbus. The project costs will be apportioned based on corporate boundaries.

Right-of-way acquisition is mostly, if not all, in the City of Columbus' portion of the project. It is anticipated a significant portion of Dublin's right-of-way will be donated. The City of Columbus is currently working on issues related to right-of-way acquisition.

Construction was originally programmed in 2010; however, additional planning was needed with the City of Columbus including the need for Columbus to complete right-of-way acquisition. As a result, construction is currently programmed in 2012.

This project will be partially funded from a grant provided by the Ohio Public Works Commission (OPWC) from a grant submitted by the City of Columbus.

The City's share of the project will be funded by service payments generated from the Thomas/Kohler TIF.

City of Dublin
2012 - 2016 Capital Improvements Program

Transportation – Major Projects

Relocated Rings 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. This will be a three-lane roadway and is needed as a result of planned future development. The project also includes water and sewer extensions and landscaping. Due to slowed growth and discussions with the developer, the project has been deferred. Design is scheduled for 2012, land acquisition in 2013 and construction in 2015.

**City of Dublin
2012 - 2016 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.

**City of Dublin
2012 – 2016 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 Frantz Road, 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 and allow for possible future development of the OCLC property.

The Bridge Street Corridor Study will have significant implications on this project.

Construction has been deferred from 2011 to 2012 and will continue to be evaluated.

**City of Dublin
2012 – 2016 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 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 crossing in Dublin.

The City has applied for State Capital Budget funding for the project. The cost to install the crossing in the City has been programmed in 2012; 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.

**City of Dublin
2012 – 2016 Capital Improvements Program**

Transportation – Major Projects

LED Street Light Replacement (Project# ET1103)

Funds are programmed to replace the existing 250 watt high pressure sodium Kim street lights with Light Emitting Diode (LED) street lights. The cost is based on replacing approximately 225 street light style fixtures in City owned parking lots in 2011 and approximately 1,500 street lights programmed in 2012. The estimated annual electric savings by switching to LED lights is \$62,000 and the payback period for energy and maintenance costs is approximately 4.5 years. The useful life of the lights is approximately 12 years.

City of Dublin
2012 – 2016 Capital Improvements Program

Transportation – Major Projects

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

The majority of the funding for this project will be the service payments that will be received from the established Tartan West TIF. The Oak Park development is required to dedicate right-of-way and contribute to the construction. Oak Parks' financial contribution for the project has been received. The project will be initially funded by advances from the Capital Improvements Tax Fund and the General Fund. These advances will be repaid as service payments are received. The City began receiving a limited amount of service payments in 2007.

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 substantially completed. Right-of-way acquisition has been programmed in 2011 and construction in 2012.

City of Dublin
2012 – 2016 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 design for the project has been programmed in 2011, right-of-way acquisition in 2012 and construction in 2013. The project will provide for the construction of a two-lane roundabout. Additional long-term improvements have been programmed beyond 2016.

This project was included as a public improvement need in the Perimeter West TIF district; however, sufficient service payments for this TIF will not be available in the near future. The funding for this project will be from service payments that will be received from the modified Ruscilli and Perimeter Center TIFs. These two (2) TIF districts were modified in December 2003 to provide for the implementation of a “non-school” TIF after the terms of the “straight” TIF expired and the addition of these intersections and other improvements in the area were included as public improvements to be funded by the TIF districts. Service payments received through 2013 are estimated to be sufficient to fund this project.

Included in this project are the improvements at the Avery-Muirfield/Post Road intersection. These improvements have been completed.

City of Dublin
2012 – 2016 Capital Improvements Program

Transportation – Major Projects

Riverside Drive/SR 161 (Project #ET0508)

This intersection and potential improvements have been under review in recent years. An alternatives analysis has been completed and signalization modifications and roundabout alternatives are being evaluated.

Funding has been advanced from the Capital Improvements Tax Fund to the River Ridge TIF Fund to fund the alternatives analysis and design when it is determined to move forward with the improvements. The funding programmed in 2011 is for land acquisition and 2012 is an allocation for design.

Development in the surrounding area will impact what intersection improvements will be completed. The relocation of Riverside Drive to the east of its existing location is also being evaluated as part of the review and evaluation of the intersection improvements. Decisions on how to proceed with this intersection will be based on the implementation of the Bridge Street corridor.

Construction is not currently programmed in the five year period. Modifications to this intersection will be programmed as part of the development of the Bridge Street Corridor.

**City of Dublin
2012 - 2016 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 has been programmed in 2011 with right-of-way acquisition and construction programmed in 2013.

This project will be funded by permissive tax revenues.

City of Dublin
2012 – 2016 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 is programmed in 2012 and construction in 2014. The City is working with the City of Columbus to evaluate potential land acquisition.

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 to 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 Riverside Drive Park and will provide for access to the park off of Hard Road instead of Riverside Drive.

The project will be funded by service payments generated by the Kroger Centre and Lifetime Fitness TIF districts.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Transportation – Major Projects

Cosgray Road/Shier Rings (Project #ET1001)

Based on a completed Alternative Analysis to quantify existing safety concerns and to evaluate intersection improvements, it has been determined a roundabout is the best solution for this intersection.

The Ballantrae Traffic Impact Study identified this intersection as needing future improvements. Also, this intersection is currently the only access to Darree Fields.

The project is currently under design with right-of-way acquisition in 2011 and construction programmed in 2012. This intersection improvement will be funded from permissive taxes.

**City of Dublin
2012 – 2016 Capital Improvements Program**

Transportation – Major Projects

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

This project will improve an existing two lane county road into a single lane roundabout with curb and gutter, street lights, crosswalks, storm drainage, and landscape. Based on slowed growth in the area, this project has been deferred. Design is scheduled in 2013, right-of-way acquisition in 2014 and construction in 2016. The developer of Tartan Ridge is required to contribute \$118,125 towards this project.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Transportation – Major Projects

Perimeter Drive/Commerce Parkway (Project #ET0904)

As a result of the Cardinal Health expansion and subsequent redirection of Post Road, this project was added to provide for improvements at Perimeter Drive and Commerce Parkway. Funding provides for a two lane roundabout approach for Perimeter Drive and a one lane approach for Commerce Parkway along with other site improvements.

This project has been accelerated to comply with the terms of the Tax Increment Financing (TIF) agreement with Delta Energy and their commitment to build their corporate headquarters near this intersection. Design has been completed and construction is underway and is scheduled to be completed in 2011.

Based on preliminary estimates, service payments from the Ruscilli, Perimeter Center and Delta Energy TIFs will be used to fund the costs of the project.

**City of Dublin
2012 – 2016 Capital Improvements Program**

Transportation – Major Projects

I-270/US 33 interchange phase 1 improvements (Project# ET1401)

This project includes phase 1 of the I-270/US 33 interchange rebuild, which includes an I-270 north-bound flyover ramp to west bound US 33. This work is meant to include the Alternatives refinement to the preferred alternative, environmental clearances and associated preliminary engineering, final design, and some right-of-way acquisition. The project cost assumes only Dublin's local match contribution of the total cost for the elements above. Total construction cost for the northbound to westbound flyover ramp is approximately \$33,000,000.

The City has initially been awarded funding from the Transportation Review Advisory Council (TRAC) for preliminary engineering and environmental assessments. The local match is \$500,000 and has been programmed in 2011. Design is programmed in 2013, right-of-way acquisition and utility relocation in 2014 and construction in 2016. The contract will be administered by the Ohio Department of Transportation (ODOT).

**City of Dublin
2012 - 2016 Capital Improvements Program**

Transportation – Major Projects

Dublin Road and Glick Road (Project #ET1003)

This project will add left turn lanes on each approach and 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 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.

Acquisition, utility relocation and construction are not programmed in the five year period and will be evaluated once design has been completed which was programmed in 2010 and is currently being completed.

**City of Dublin
2012 – 2016 Capital Improvements Program**

Transportation – Major Projects

US33/SR 161/Post Road eastbound ramps (Project# ET1102)

Since the US33/SR 161/Post Road interchange has been deferred, an allocation has been programmed in 2012 to provide funding for potential improvements. Improvements to this intersection could potentially improve traffic flow, enhance the western entrance into the City and assist in the marketing of the Central Ohio Innovation Center. Now that the Industrial Parkway relocation/SR 161 improvements are completed, time will be given to realize the positive effects the improved roadway will have on the interchange and recommendations can be made based on an analysis of what is needed to improve the intersection. The Administration will continue to monitor this intersection and will include any recommendations in future CIP's.

**City of Dublin
2012–2016 Capital Improvements Program**

Transportation–Major Projects

Coffman/Brand Road intersection improvements (ET1205)

Funds programmed in 2012 are for preliminary engineering for the Coffman/Brand Road intersection. An evaluation is needed to determine the potential need for a roundabout at this intersection.

**City of Dublin
2012 – 2016 Capital Improvements Program**

Transportation – Major Projects

Bikeway connections/additions

Brand Road multi-use path/bike lanes (Project #ET1004)

Based on a detailed assessment and public input, this project will provide for the completion of a multi-use path on Brand Road. Design and acquisition is programmed in 2011 and construction and construction is programmed in 2012 to complete a multi-use path between Muirfield Drive and Dublin Road.

Dublin Road South (Project #1203)

Funds have been programmed for design in 2011 and construction and landscaping in 2012 for the completion of the Dublin Road South multi-use path between Historic Dublin (Karrer Place) and Tuttle Road.

Glick Road (Project #1204)

This project is for the completion of the Glick Road multi-use path between Avery Road and Muirfield Drive and will be completed in phases. Funds have been programmed in 2012 and 2013 for design and acquisition for the entire path. Construction and landscaping between Carnoustie Drive and Muirkirk Drive is programmed in 2014. The remaining construction along Glick Road is identified beyond 2016.

Muirfield Drive (Project #1104)

Funds programmed in 2011 are for preliminary design and alignment for the construction of bike lanes between Brand Road and Glick Road. Construction has been programmed in 2013.

Emerald Parkway sharrows (Project #1005)

Funds programmed in 2011 are to add sharrows to Emerald Parkway.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Park and 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 2011 provides for 14 dugout shade structures and an additional parking lot. Funding in 2012 includes funding to convert park facilities from well water to City water and to construct a cyclocross course. Funding identified beyond 2016 is to construct a handicapped accessible interpretive boardwalk near the Miracle complex and to re-visit the southwest master plan area recognizing that several base assumptions have changed. The balance of park development will be programmed beyond 2016 after the master plan update.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Park and Recreation – Major Projects

Coffman Park Expansion (Project #GR1101)

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 will be used to design Coffman Park's first expansion phase which include park utility burial, three bridges crossing the South Fork of Indian Run, park grading and a new entry drive at Commerce Parkway programmed for construction in 2013. Funding beyond 2016 provides for several additional elements including the potential construction of a new amphitheater with an associated parking lot, internal path networks, City Hall parking lot reconfiguration, perimeter landscaping, ditch grading & crossing, and a large group pavilion with restrooms and catering room. The master plan also calls for future elements including the relocation of the hard court areas, senior activity area creation, spray park construction, Nyrop house conversion, shelters, additional sidewalks, landscaping and, if warranted, allows space for the construction of a new City Hall.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Park and 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 abut to produce a community scale park along the Scioto River.

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

The funding in 2010 provided for improvements that include a parking lot, community scale playground, central pavilion with restrooms, sidewalks and landscaping.

Funding in 2013 and 2014 provides for design and construction of a river overlook, a pedestrian bridge, woodland trails, and a conditioned river access stairway that will complete phase I work. These elements, originally programmed in 2010, were deferred due to the decision to construct a central pavilion with restrooms rather than a group shelter.

The funding programmed beyond 2016 provides for the completion of future park elements which include a children's discovery garden, a canoe launch, boardwalk/pier, multi-use paths, restrooms, trails, hard courts and a woodland overlook shelter.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Park and 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.

Funds programmed in 2016 include the construction of an icon shelter in the ball diamond plaza, basketball courts adjacent to the central restrooms and pedestrian lighting. Funds programmed beyond 2016 include sand volleyball courts and a multi-use path addition.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Administration – Major Projects

Parkland Acquisition (Project #AL1202)

The amount programmed is based on estimated revenue in the Parkland Acquisition Fund. For the most part, 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. For 2010 and 2011, the City allocated, or will allocate, 1.4 mills to the Capital Improvements Tax Fund and the remaining .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 approved allocating 1.40 mills to the Capital Improvements Tax Fund and .35 mills to the Parkland Acquisition Fund from 2012–2016. This allocation will be reviewed during the CIP process each year and can be reallocated if Council deems it appropriate.

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:

	2012	2013	2014	2015	2016
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)	(385,000)
Debt service	<u>(225,684)</u>	<u>(225,243)</u>	<u>(242,632)</u>	<u>(233,445)</u>	<u>(236,700)</u>
Estimated balance available	\$39,316	\$39,757	\$22,368	\$31,555	\$28,300

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.

**City of Dublin
2012 - 2016 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 and I) of water in the sanitary sewer system. Sewer lining repairs the integrity of the pipe system and reduces the amount of inflow and infiltration entering the system via the main lines. The future schedule for the repair and lining of the main sewer lines will be based on the guidelines and/or requirements established by the Ohio EPA.

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

Funds programmed in 2012 is for lining the Deer Run sewer shed near Muirfield Court and Muirfield Road, funds programmed in 2015 is for the lining of the Deer Run sewer shed near Glick Road, the neighborhood near Dublin Road and sewer lining in the neighborhood north of Glick Road. The City plans to issue debt for the completion of these projects.

The project is funded from the Sewer fund.

City of Dublin
2012 - 2016 Capital Improvements Program

Sanitary Sewer System-Major Projects

South Fork sanitary sewer extension (Project #ES0601)

This project provides for the extension of a main sanitary sewer line to serve the area within the Central Ohio Innovation Center. The extension of sanitary sewer service in this area is in the Pre-Annexation Agreement for 7679 Post Road (Costner).

This project has been added for economic development purposes. A portion of the project costs will be recovered from the benefiting properties. Approximately 45% of this project is for oversizing and will be the responsibility of the City.

This project will be completed in two phases. Phase 1 has been completed and Phase 2 will be completed in 2011. The City was awarded American Recovery and Reinvestment Act (ARRA) monies of approximately \$163,000 to partially fund Phase 1 of the project.

This project is funded from the Sewer fund.

**City of Dublin
2012 – 2016 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 2015.

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

**City of Dublin
Proposed 2012 - 2016 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. Funding programmed in 2011 is for design and the amount programmed in 2012 is for construction.

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

**City of Dublin
2012 – 2016 Capital Improvements Program**

Storm Water Systems - 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 recently completed by Camp, Dresser & McKee.

The current funding in 2011 provides for preliminary design work of future stormwater improvements. Although no stormwater areas were considered critical, two projects were identified and programmed in the five year period. Blazer Parkway/Frantz Road/Waterford Village improvements is programmed in 2013 and Stonewall Court improvements is programmed in 2014.

These projects 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.

**City of Dublin
2012 – 2016 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 2011 are to add an additional parking area on the east side of the Service Center to accommodate the relocation of the work units moving from the 5620 Post Road facility. Funding was also included to demolish the facility located at 5620 Post Road. The demolition will most likely occur in 2012.

For 2012, funding of \$150,000 has been requested to complete the build-out of the first floor of the Service Center to accommodate the relocation of the City's Events Administration staff from their current location at 5620 Post Road.

The Fleet Building expansion for the sign shop operation and the addition of mechanics bays has been programmed beyond 2016. Additional review and analysis of the Fleet Building and operations will be completed before the project is initiated.

City of Dublin
2012 – 2016 Capital Improvements Program

Service -Major Projects

Upgrade fuel facility for Compressed Natural Gas (CNG) (Project #AB1002)

Clean Fuels Ohio, which is a statewide non-profit organization dedicated to promoting the use of cleaner, domestic fuels and efficient vehicles, has been designated by the Department of Energy as a Clean Cities Coalition. On behalf of twenty six different organizations including both local government and private industry, Clean Fuels Ohio coordinated the submission of a statewide project titled the Ohio Advanced Transportation Partnership. If fully funded, this \$11 million dollar project would deploy 283 alternative fuel and advanced technology vehicles as well as multiple compressed natural gas and propane refueling stations and electric vehicle recharging stations. Dublin is one of the participating governments.

The focus area for this grant includes the conversion of traditional fleets to alternative fuel or advanced technology vehicles as well as improving the necessary infrastructure to support these fleet conversions.

This project includes funding for the infrastructure portion of the conversion to add the necessary infrastructure to dispense CNG at our current refueling station. In addition, the City intends to evaluate the use of these CNG fueling stations for limited access to the public.

The City of Dublin is partnering with IGS Energy on the project and has agreed to share in the associated cost. IGS has committed a minimum of \$275,000 towards the project.

Clean Fuels Ohio will serve as the Grant Administrator for the United States Department of Energy (DOE). The City entered into a Grant Award Agreement with Clean Fuels Ohio in August. The City has been awarded a grant in the amount of \$1,511,100 for the completion of the fuel facility for compressed natural gas (CNG) and the purchase of 44 CNG vehicles (programmed in Administration – Fleet Management). The City's minimum contribution towards the project is \$2,209,108.

Funding in the amount of \$2,175,000 was programmed in 2010. The project will be completed in early 2012.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Administration – Major Projects

Historic Dublin (Project #AB0602)

Based on the results of the Goody Clancy study, funding in the amount of \$250,000 has been programmed in 2011 and 2012 to fund potential improvements that may be identified for the Historic District. Funding programmed in 2013 is to fund the replacement of 129 street lighting poles and foundations.

**City of Dublin
2012 - 2016 Capital Improvements Program**

Administration – Major Projects

Bridge Street Corridor (Project #AB1301)

A significant focus area for 2011 and beyond will continue to be the Bridge Street Corridor. The intent is to develop a sustainable, walkable, urban community for Bridge Street/State Route 161 from Interstate 270 to Sawmill Road, including the Historic District.

Joint work sessions and open meetings have been held to discuss the future of the Bridge Street Corridor and more are scheduled in the future. Extensive work in planning and engineering has already been completed including extensive code modifications, transportation analysis and utility studies. 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.

An allocation has been programmed in each of the next five years for potential improvements in this area.

Information Technology 5 Year Budget Plan -2012-2016 Proposed -



Dept / Div	2012		2013	
City Wide	Cityworks work orders - Web upgrade	\$25,000	Citywide WiFi enhanced utilization	\$25,000
	Citizen Web Request System enhancement	\$10,000	Interactive voice response (IVR) enhancement	\$10,000
	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 and storage upgrades at the DEC	\$50,000	Additional PC operating system/office suite	\$7,500
	Additional Phone Equipment	\$10,000	Server and storage replacement/upgrades	\$35,000
	GIS enhancement / data warehousing	\$25,000	GIS enhancement / data warehousing	\$25,000
	Network management / security upgrade	\$20,000	Customer Relationship (CRM) enhancements	\$10,000
	Enhance Document Imaging	\$10,000	Enhance Document Imaging	\$10,000
	Network storage upgrades	\$50,000	Additional Phone Equipment	\$5,000
	Upgrade virtual server environment	\$20,000	Enhancements to HTE/Windows environment	\$25,000
	Mobile devices / applications	\$35,000		
	Cloud computing	\$25,000	Cloud computing	\$25,000
	Interactive voice response (IVR) enhancement	\$15,000	PC replacement	\$80,000
	Network connection-water towers/maint bldg	\$35,000		
	PC replacement	\$75,000	PCs - new positions	\$5,000
	Security cameras	\$10,000	Monitors (20)	\$5,000
	Printers and monitors(20)	\$30,000	Printers	\$60,000
	Cabling	\$10,000	Cabling	\$5,000
	Misc. hardware/software	\$25,000	Misc. hardware/software	\$25,000
Admin Services	Smartboard at the Service Complex	\$10,000		
Legislat. Affairs	Replacement to Agenda Manager	\$40,000		
Volunteer Services			Enhancement to Volunteer systems	\$10,000
Events	Events technology enhancements	\$10,000		
Economic Dev			GIS economic development application	\$10,000
Facilities	Handheld mobile devices- Facilities (2)	\$8,500	Work order enhancements	\$10,000
	Vehicle GPS utilization (7)	\$5,600	Handheld mobile devices for Facilities	\$5,000
Court Services	Digital recording system for Court (\$5,000) (Court Fund)		Additional applications (Court Fund)	
	Interactive voice response (IVR) (\$20,000) (Court Fund)			
Community Rel	Enhance Internet/Intranet/Community Rel	\$15,000	Enhance Internet/Intranet/Community Rel	\$15,000
LU & LRP	Electronic Plan Review enhancements	\$10,000	Aerial photography/layers for GIS	\$50,000
	Adobe upgrades	\$7,500	Mobile computers (Code Enf-5)	\$25,000
	Code Enforcement mobile devices (3)	\$4,500		
Finance	Time & Attendance enhancement	\$10,000	Enhancements to Income Tax systems	\$10,000
Human Res			Photo ID enhancements	\$5,000
IT	Asset Data Collection update	\$25,000		
Police	Mobile computers upgrade (10)	\$50,000	Upgrade Police to Sungard ONESolution	\$250,000
	High Resolution displays for cruisers(10)	\$20,000	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 System Replacement	\$50,000
S&U	Mobile computers for work orders (7)	\$35,000	Work Order system enhancement	\$10,000
	Enhance sewer inspection technology	\$10,000	Mobile computers (5)	\$25,000
	Asset Mgmt / Data Collection	\$15,000	Asset Mgmt / Data Collection	\$10,000
	Enhance Vehicle GPS Mgmt application	\$10,000	Enhance sewer inspection technology	\$20,000
	Enhance Vehicle GPS utilization (6)	\$4,800		
Fleet	Fleet / Fuel system enhancement	\$10,000		
Engineering	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	\$15,000		
	Inspector mobile devices (5)	\$7,500		
Bldg Stds	Inspectors mobile computers (7)	\$35,000	Electronic Plan Review enhancements	\$25,000
	Review Services/BldgStds counter enhance	\$25,000	Review Services technology enhancements	\$10,000
Parks & Open Spaces	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
Recreation Svcs	Customer Service enhancements	\$15,000	Customer Service enhancements	\$25,000
	Outdoor pools technology enhancement	\$10,000		
	Security camera update	\$10,000		
		\$1,161,400		\$1,257,500
	Reduction	(\$175,000)	Reduction	(\$125,000)
		\$986,400		\$1,132,500
		\$990,000		\$1,135,000

CIP TECHNOLOGY REPORT FOR 2012
Information Technology Division



This CIP technology report gives a brief narrative of the many citywide technology projects for 2012. These projects are in line with Council, citywide and divisional goals and objectives.

▪ **Work Order system – Web Upgrade \$25,000**

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 upgrade to the Cityworks work order Web System 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.
- The expansion of CityWorks into a more customer service based system to centrally process citizen requests: See Citizen Service Request System above:

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

A Request system (or Citizen Request Management (CRM) system) was acquired as an integrated component of our Cityworks work order system. A Web interface will be implemented in 2011 for citizen interaction that is also linked directly to our work order entry. Further enhancements to accommodate this system are anticipated, including the possible expansion to various call takers throughout the city. This application provides a Q&A database to respond 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
- 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 skate park; allow us to install incident cameras along US33; provide a means to deploy cameras in areas that see spikes in criminal activity; additional traffic control communication; camera deployment for intersection observation; Police cruiser enhancements to upload video and to access to any WiFi camera; City buildings security access via the Web; and coordinate fiber uses with Dublin Schools for camera access and/or building security access systems. 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, PowerPoint), Project, Photoshop and other Microsoft applications need to be continually licensed for all of the city's personal computers.
- **Storage at the DEC \$50,000**
In coordination with Economic Development, a point of presence and off site data storage center in the building next door to the DEC is desired. This will be the start of a data center to be used as an economic development incentive for our Central Ohio Innovation Center area.
- **Additional Telephone System equipment \$10,000**
The City's telephone system will be finished for all City buildings in 2011. Any anticipated additional equipment is budgeted in 2012.
 - Telephones are added and repaired every year. Modifications are made due to changing business needs. We will also need to upgrade our call processing servers.
 - Future capabilities include benefits such as mobility features, call status features, uninterrupted voice services, enhanced phone book features, etc.
- **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.

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.
- **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 is 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.
- **Upgrade the virtual server environment \$20,000**
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.
- **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 the upgrades for which we are eligible.
 - 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. If we were not doing this we would have to increase our tape capacity each year which is equal to this cost. Either way it is required to function.
- 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.
- **Mobile devices / applications \$35,000**
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 2012.
- **Cloud computing applications \$25,000**
An analysis and testing of moving our Office suite (Microsoft Word, Excel, Access, Powerpoint) and/or our e-mail messaging applications to a cloud computing environment needs to be examined. Cloud computing would process all applications and store information in an external Web environment.
- **Interactive voice response (IVR) \$15,000**
An interactive voice response (IVR) system is a phone technology that allows a telephone caller to select options from a voice menu and interact with the phone system to process a transaction. This is not intended to remove any staff interaction with their customers, but to allow customers another avenue to transact business with the city. As this system is available on a 24/7 basis, this could be especially useful during staff non-working hours. This system will be implemented for building inspection requests in 2011. Other areas of potential users of this system in 2012 are for processing and general information access in Recreation Services, LU&LRP, Police, Income tax, and general information about the City or an event, etc.
- **Network connection-water towers/maintenance bldg \$35,000**
Presently our water towers at Darree Fields and at Avery, and the Emerald maintenance building are not connected to our citywide network. For present processing and to meet future needs enabling network connectivity at these areas are thought to be worthwhile.
- **PC Replacement \$75,000**
Our PC rotation plan is to replace our staff PC equipment when it is 4 to 5 years old.
- **Printers \$25,000**
Instead of purchasing a significant quantity of printers in 2012, we are removing some of the older inefficient printers, including the copier/printers coming off of their lease. We changed our printer maintenance and toner vendor to InformationWorks in 2010. Information obtained from this vendor will give us a better management of printer maintenance, use and consumption cost. Thereby we will be able to start reducing the cost to print and inefficient hardware.
- **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.
- **Events technology enhancements \$10,000**
Replacement of the present solution that processes all of the Web and on-site Dublin Irish Festival sales and admission processing is planned for 2012.
- **Replacement to the Agenda Manager application \$40,000**
If the present agenda management system is deemed unusable a replacement application will be pursued for this process. This application creates the Council packet, or other meeting packet, with workflow and self designated approvals at various process levels. This will improve efficiency, collaboration and greatly reduce the use of paper.
- **Smartboard at the Service Complex \$10,000**

A Smartboard is a white board that is integrated with our network. Documents, spreadsheets, presentations, CAD drawings, GIS maps, etc. can be shown on the Smartboard. Any input on the Smartboard could be updated to the network files. This can be a very useful presentation and brainstorming tool. We presently have Smartboards at City Hall, the Justice Center and the 5800 building that have been very beneficial. Placement of another board at the Service Complex is planned.

▪ **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 places 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 2012.

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. 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. Using WiFi, administrators will have capability of monitoring snow and ice operations remotely.

▪ **Vehicle GPS Management enhancement and increased vehicle utilization for Facilities. Code Enforcement and Streets & Utilities \$20,400**

An application that records the actual routes of the service trucks 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 (snowplowing, street repair, etc.). The inclusion of 6 more vehicles with GPS communication is desired by S&U (\$4,800) to make this system analysis more complete. Facilities would like to include 7 vehicles (\$5,600) so that they can also utilize this equipment, workforce and process management application.

Most facilities are utilized by both the first and second shifts, and GPS will enable management to determine how the vehicles are used (e.g. how many trips to City Hall do we make in one day?) 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.

Benefits:

- Improve asset management and improve productivity
- Ability to manage and analyze events remotely (at home)
- Customer service oriented as vehicles are tracked in real time

▪ **Time and Attendance Enhancement \$10,000**

A new time and attendance system was implemented in 2011. Enhancements to this system are anticipated.

▪ **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 mapped on 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, and 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.

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 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**

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.

High Resolution displays for the cruiser \$20,000

These displays are beneficial for improved visual viewing of Officer information.

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

▪ **Enhance Sewer Inspection technology \$10,000**

Enhancements to the video inspection system for the water and sewer infrastructure are anticipated for 2012.

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

▪ **Enhance Fleet / Fuel Management enhancement \$10,000**

Our fuel management system will be replaced in 2011 in order to accommodate gas, diesel and compressed natural gas. Upgrading and enhancing our Fuel and Fleet Management systems will enable us better control pump transactions and obtain accurate vehicle mileage figures, which will drive the preventative maintenance scheduling of city equipment, and provide communication to customers that their vehicle has service due, as well as provide detail for various report requirements. (Billing, Fuel/Mileage Rpts, and CPM)

Benefits:

- 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.
- Automatically identify vehicles as they near the pump
- Satisfy increasingly stringent fuel usage and mileage reporting requirements
- Provide mileage driven preventative maintenance scheduling of city equipment, to ensure maintenance schedules are met
- Improve communication with staff customers through email notification of service
- Improve productivity
- Better control of expenses
- Better asset management
- Current technology to accommodate the processing of alternate fuels

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

Enhancements to further incorporate the electronic plan review process is planned for both the pertinent operations in the Engineering and LU&LRP divisions. This will offer further efficiencies and customer service enhancements to the plan review processes.

▪ **Mobile devices for electronic plan review and inspection resulting \$12,000**

In 2012, remote access for both the Engineering and Code Enforcement inspectors is desired to view current digital plans and for inspection resulting. This will further improve the accuracy and efficiency of our review services.

▪ **Traffic signal communication \$15,000**

Enabling more traffic signal communication to control and monitor intersections is desired for 2012.

▪ **Review Services/Building Stds counter enhancements, Web enhancements \$25,000**

Enhancements to improve the processing at the Building Division counter, the Plan Review area, and associated Web applications are desired in 2012. This could include document imaging, workflow changes, dual staff monitors, use of social media and other software or computer equipment. Continued implementation of an electronic review process will improve the plan review efficiency, more timely inspections, and enhance overall customer service.

As Building Standards continues to refine its workflow processes and as they look at the new customer service demands that 21st century technology has afforded, they need to look at technology enhancements that will help to advance their established processes to meet our ever-changing customer needs. With today's rapidly expanding information systems, a one size fits all approach, even in the mundane area of issuing building permits, cannot continue to be effective.

To this end, Building Standards is requesting these technology enhancements as a "down-payment" for continual growth and development of the work unit. Our website needs to continue to be the information portal for customers to be able to obtain up-to-date information. Electronic permitting,

plan review and information sharing need to become a reality that our customers can benefit from its implementation. Along with Building Standards the use of electronic plan review will also be explored with the LU&LRP and Engineering divisions.

▪ **Customer service / Registration, Outdoor pools technology enhancements \$25,000**

Continual enhancements to customer service, technology enhancements to the renovated DCRC, and changes to the Recreation Center registration system are anticipated in 2012. 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.

In response to numerous requests, key fob scanning and online payment of household account balances were implemented in 2010. In response to PCI (credit card) requirements, more secure credit card processing was implemented.

Anticipated enhancements in 2012 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.

An improvement must also be made to the network connectivity at the north pool. The current connectivity is unreliable for use in daily operation. Alternative means must be pursued in 2012 by means of the City WiFi or DubLink.

Our point-of-sale units are also nearing their end of life. We need to replace these units with separate PC and touch screen monitors; both for the resulting cost savings and for ease of replacement should one component fail.

City of Dublin
2012 – 2016 Capital Improvements Program

Administration -Major Projects

Fleet Management Program – Replacements (Project #AV1201)

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, vehicles are scheduled for replacement based on years of service and/or mileage. Based on additional evaluation of the City's fleet, some vehicles have been moved back based on low usage and condition. **Final determination for replacement will be based on a physical evaluation of the vehicle.** A breakdown of the costs by department for vehicles to be replaced is included.

The City is continuing its review of vehicle replacement criteria. Along with completing its annual physical inventory, the Director of Administrative Services has met with each department/division to ensure the current fleet is sufficient to effectively and efficiently meet the City's needs. Evaluations included quantity, quality and type of fleet. As a result of the evaluations, the City was able to identify potential 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. Evaluations will continue as the City works toward Council's goal of environmental sustainability and the realization of replacing a large portion of its fleet with compressed natural gas (CNG) vehicles in cooperation with Clean Fuels Ohio (described below).

On behalf of twenty six different organizations including both local government and private industry, Clean Fuels Ohio coordinated the submission of a statewide project titled the Ohio Advanced Transportation Partnership and submitted a grant through the United States Department of Energy titled the Clean Cities program. The focus area for this grant includes the conversion of traditional fleets to alternative fuel or advanced technology vehicles as well as improving the necessary infrastructure to support these fleet conversions. The City's portion of the grant includes the conversion of 44 City vehicles to compressed natural gas (CNG). Funding is included for the conversion of those vehicles. The City is currently in the process of acquiring and converting the vehicles and the mechanics for the City have received the required training to convert and maintain the CNG vehicles. Funding to upgrade the fuel facility is listed as a separate CIP project.

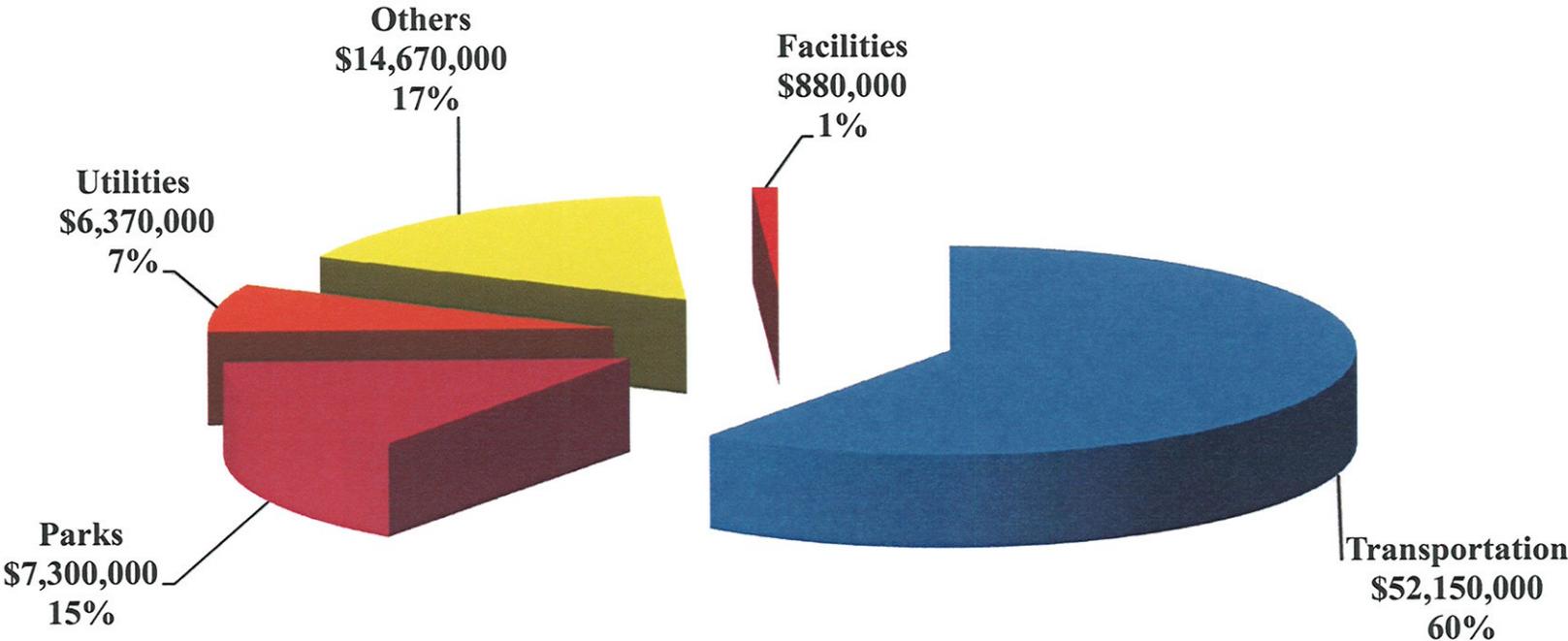
**City of Dublin
2012 - 2016 Capital Improvements Program (continued)**

Administration - Major Projects

Fleet Management Program – Replacements (Project #AV1201)

<u>Dept./Div.</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Streets/Utilities	\$ 35,000	\$140,000	\$550,000	\$530,000	\$445,000
Development	175,000	350,000	140,000	0	290,000
Parks/Facilities	555,000	535,000	595,000	470,000	0
Police	240,000	205,000	205,000	205,000	245,000
Miscellaneous	75,000	35,000	35,000	100,000	35,000
Total	\$1,080,000	\$1,265,000	\$1,525,000	\$1,305,000	\$1,015,000

2012-2016 Capital Improvements Program Funded Projects - Major By Category



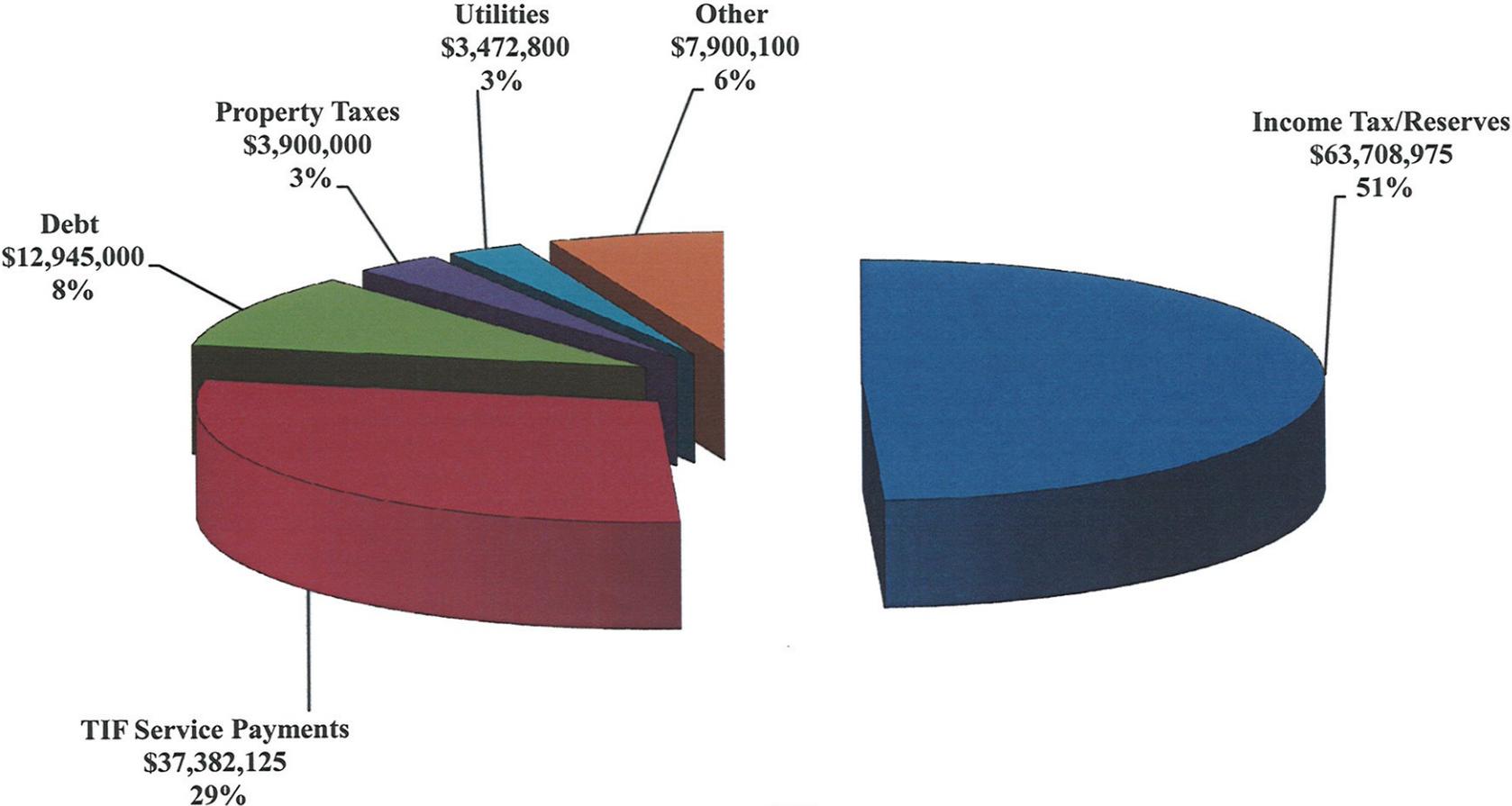
2012 - 2016
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
 FUNDED PROJECTS**

	Project	Total Project Cost	Debt Already Incurred	Debt to be Incurred	Project Funding Source	Amount
ET0103	Tuttle Crossing Boulevard extension-Wilcox Road to Avery Road (TIF)	2,463,000			Cash Service payments	88,000 2,375,000
ET0104	Emerald Parkway-Riverside Drive to Billingsley Creek(TIF)	12,998,000			Cash Property taxes State funding Service payments G.O. debt(service payments)	764,000 900,000 2,524,000 8,810,000
ET0205	Emerald Parkway-Rings Road to Tuttle Crossing Boulevard (TIF)	2,286,000			Service payments	2,286,000
ET1119	Relocated Rings Road	1,165,000			Cash	1,165,000
ET1202	Frantz Road utility burial (TIF)	825,000			Service payments	825,000
ET0810	Frantz Road-Dublin Road connector(TIF)	2,879,000			Service payments	2,879,000
ET1101	Railroad Quiet Zones	480,000			Cash State funding	10,000 470,000
ET1103	LED street light replacement	2,300,000		2,000,000	Cash G.O. debt	300,000 2,000,000
ET0405	Hyland Croy Road/Brand Road intersection (TIF)	3,900,000			Service payments Developer contribution	3,829,125 70,875
ET0410	Avery-Muirfield Drive/Perimeter Loop/Perimeter Drive intersection (TIF)	7,481,000			Service payments	7,481,000
ET0508	Riverside Drive/SR161 (TIF)	3,154,000			Service payments	3,154,000
ET0511	Avery-Muirfield/Tullymore/Valley Stream/Avery Road	851,000			Cash Permissive tax	151,000 700,000
ET0605	Sawmill Road/Hard Road intersection (TIF)	2,485,000			Service payments Developer contribution	1,985,000 500,000
ET1001	Cosgray Road/Shier Rings Road intersection	2,091,000			Cash Permissive tax	441,000 1,650,000
ET0809	Hyland Croy-McKittrick Road roundabout	1,460,000			Cash Developer contribution	1,341,875 118,125
ET0904	Perimeter Drive/Commerce Parkway intersection and Perimeter widening (TIF)	1,234,000			Service payments	1,234,000
ET1401	I-270/US 33 Interchange phase 1 improvements	12,900,000		6,600,000	Cash G.O. debt	10,900,000 2,000,000
ET1003	Dublin Rd and Glick Rd intersection improvements	157,000			Cash	157,000
ET1102	US33/SR161/Post Road eastbound ramps	150,000			Cash	150,000
ET1205	Coffman/Brand Road	150,000			Cash	150,000
ET1004	Brand Road multi-use path/bike lanes	1,542,000			Cash	1,542,000
ET1203	Dublin Road South multi-use connection	1,952,000			Cash	1,952,000
ET1204	Glick Road multi-use connection	690,000			Cash	690,000
ET1104	Muirfield Drive bike lanes	1,510,000			Cash	1,510,000
ET1204	Emerald Parkway sharrows	120,000			Cash	120,000
GR9901	Darree Fields development	6,151,000			Cash Township funding	5,776,000 375,000
GR9902	Coffman Park expansion	3,040,000			Cash	3,040,000
GR9903	Amberleigh Community Park development	2,330,000			Cash	2,330,000
GR9904	Emerald Fields (N.E. Quad Park) development	5,708,000		1,225,000	Cash State funding G.O. debt	4,008,000 475,000 1,225,000
AL0802 9/12/11	Parkland acquisition	3,900,000			Property taxes(inside millage)	3,900,000

2012 - 2016
**FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
 FUNDED PROJECTS**

Project		Total Project Cost	Debt Already Incurred	Debt to be Incurred	Project Funding Source	Amount
ES0701	Sewer lining and repair	7,263,000			Sewer Fund revenues	1,859,800
			2,220,000	2,800,000	Federal funding	383,200
					G.O. debt(Sewer Fund revenues)	5,020,000
ES0601	South Fork sanitary sewer extension	696,000			Sewer Fund revenues	531,000
					Federal funding	165,000
EW1201	Rings Road waterline	730,000			Water Fund revenues	730,000
EW1201	Dublin Road water tower	3,052,000		2,700,000	Water Fund revenues	352,000
					G.O. Debt(Water Fund revenues)	2,700,000
EF0201	Stormwater improvements	3,373,000			Cash	3,373,000
AB0601	Municipal facilities	1,377,000			Cash	1,377,000
AB1001	Upgrade fuel facility for compressed natural gas (CNG)	2,178,000			Cash	816,100
					Federal funding	1,361,900
AB0602	Historic Dublin	5,193,000			Cash	5,193,000
AB1301	Bridge Street Corridor	1,250,000			Cash	1,250,000
AI0801	Computer hardware/software	5,775,000			Cash	5,775,000
PP1101	PSAP equipment replacement	420,000			Franklin County funding	420,000
AV0801	Fleet management program Fleet replacements	7,775,000			Cash	7,464,000
					Federal funding	311,000
AV0803	Equipment additions/replacements	1,875,000			Cash	1,875,000
9/12/11	TOTAL	\$129,309,000	\$3,445,000	\$14,100,000		\$129,309,000

2012-2016 Capital Improvements Program Funding Sources - Major



2012 - 2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
MUNICIPAL DEBT

This section provides information on the long-term debt obligations outstanding at December 31, 2010, 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.

2012-2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
LONG-TERM DEBT OBLIGATIONS
As of December 31, 2010

	Date of Issue	Date of Maturity	Original Amount	O/S Principal	Paid From Income Taxes		Other Sources(1)
					General Fund	Capital Imp. Fund	
Unvoted G.O. Bonds							
Rings/Blazer Water Tower	10/15/94	12/01/14	\$4,100,000	\$1,225,000	\$0	\$0	\$1,225,000
Upper Scioto West Branch(2)	01/01/99	07/01/18	18,220,406	8,582,156	0	0	8,582,156
Avery-Muirfield Interchange	09/01/99	10/07/19	8,316,788	4,733,082	0	4,733,082	0
Rings Road Improvements(TIF)	12/01/00	12/01/20	3,535,000	2,248,538	0	0	2,248,538
Arts Facility Acquisition	12/01/00	12/01/20	1,360,000	858,618	0	0	858,618
Arts Facility Renovation	12/01/00	12/01/20	755,000	480,445	0	0	480,445
Perimeter Drive Extension(TIF)	12/01/00	12/01/20	3,940,000	2,514,380	0	0	2,514,380
Emerald Parkway-Phase 7A(TIF)	12/01/00	12/01/20	2,020,000	1,288,019	0	0	1,288,019
Service Complex	12/01/01	12/01/21	3,675,000	2,428,466	0	2,428,466	0
Municipal Pool South(OMB)	07/01/04	01/01/25	2,986,000	2,331,000	0	2,331,000	0
Industrial Parkway/SR 161 Improvements	11/18/09	12/01/29	9,670,000	9,305,000	0	0	9,305,000
Darree Fields Water Tower	11/18/09	12/01/29	2,015,000	1,940,000	0	0	1,940,000
Sanitary Sewer Lining	11/18/09	12/01/29	2,220,000	2,135,000	0	0	2,135,000
Total			62,813,194	40,069,704	0	9,492,548	30,577,156
Unvoted Special Assessment Bonds							
2001 Special Assessment	12/01/01	12/01/21	1,700,000	1,131,534	0	0	1,131,534
Total			1,700,000	1,131,534	0	0	1,131,534
Voted G.O. Bonds							
Dublin Justice Center	10/02/92	12/01/11	\$4,100,000	\$138,000	\$0	\$138,000	\$0
Community Recreation Center	02/01/96	12/01/10	6,615,000	0	0	0	0
Community Recreation Center-Exp.	10/15/98	12/01/18	3,998,000	1,868,000	0	1,868,000	0
Emerald Parkway Bridge	10/15/98	12/01/17	7,518,000	3,426,000	0	3,426,000	0
Emerald Parkway, Phase 2(TIF)	10/15/98	12/01/16	7,874,000	3,313,000	0	0	3,313,000
Woerner Temple Road	12/01/00	12/01/20	5,555,000	3,373,185	0	3,373,185	0
Emerald Parkway Overpass-Phase 7	12/01/00	12/01/20	6,565,000	3,986,273	0	3,986,273	0
Coffman Park Expansion	12/01/00	12/01/20	3,135,000	1,865,542	0	0	1,865,542
Total			45,360,000	17,990,000	0	12,791,458	5,198,542
Voted Special Assessment Bonds							
Tuller Road	10/15/94	12/01/14	1,185,000	370,000	0	0	370,000
Other Long-term Obligations							
Aryshire Drive Culvert(OPWC)	07/01/04	01/01/14	279,748	97,912	0	97,912	0
			279,748	97,912	0	97,912	0
Total Long-term Debt			\$111,337,942	\$59,659,150	\$0	\$22,381,918	\$37,277,232

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

(2) Principal reduced per Change Order Agreement with City of Columbus.

9/12/2011

**2012-2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
PROJECTED LONG-TERM DEBT SCHEDULE
(Income tax supported debt only)**

	2010	2011	2012	2013	2014	2015	2016
Principal outstanding at the beginning of the year	\$35,504,531	\$31,686,918	\$28,988,496	\$28,358,231	\$25,579,530	\$22,664,715	\$19,703,851
Principal retired(1)	3,817,613	2,698,422	2,630,265	2,778,701	2,914,815	2,960,864	2,599,748
Principal issued(2)	0	0	2,000,000	0	0	0	6,600,000
Principal outstanding at the end of the year	<u>\$31,686,918</u>	<u>\$28,988,496</u>	<u>\$28,358,231</u>	<u>\$25,579,530</u>	<u>\$22,664,715</u>	<u>\$19,703,851</u>	<u>\$23,704,103</u>
Recommended maximum amount of long-term debt(3)	<u>\$71,802,148</u>	<u>\$94,163,668</u>	<u>\$98,440,768</u>	<u>\$85,010,952</u>	<u>\$83,028,051</u>	<u>\$82,139,400</u>	<u>\$82,970,377</u>

(1) Based on long-term debt outstanding as of 12-31-09 and anticipated debt issuances.

(2) Issuance of debt based on major project listing and anticipated funding schedule.
The following issues are anticipated:
2012-\$2,000,000 in long-term bonds for the installation of LED street lights.

(3) Reflects the amount outstanding and the recommended maximum amount of additional debt from page 5-4.

9/12/2011

2012-2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
DEBT SERVICE PAYMENTS DUE
(Income tax supported debt only)

Debt Issue	2010	2011	2012	2013	2014	2015	2016
Water Tower Construction	\$161,686	\$0	\$0	\$0	\$0	\$0	\$0
Swimming Pool Construction	86,681	0	0	0	0	0	0
Water System Improvements	113,616	0	0	0	0	0	0
Frantz Road Improvements	37,219	0	0	0	0	0	0
Service Complex	176,789	0	0	0	0	0	0
Sanitary Sewer Lift Station	128,308	0	0	0	0	0	0
Coffman Road Extension	21,435	0	0	0	0	0	0
Justice Center-land	61,243	0	0	0	0	0	0
N.E. Quad. Park Land	81,658	0	0	0	0	0	0
Justice Center Construction	320,304	140,760	0	0	0	0	0
Community Recreation Center	220,500	0	0	0	0	0	0
Community Recreation Center exp.(2018)	278,081	278,613	283,133	281,472	279,753	280,583	278,172
Scioto Bridge Construction(2017)	547,558	556,950	561,790	559,350	557,770	560,160	554,040
Avery-Muirfield/US 33 interchange(2019)	610,786	610,786	610,786	610,786	610,786	610,786	610,786
Woerner-Temple extension(2019)	448,579	0	0	0	0	0	0
Emerald Pkwy-Perimeter/Shier Rings(2019)	528,780	530,957	525,042	523,991	566,106	543,886	533,675
Service Complex expansion(2021)	276,635	376,938	276,240	275,557	308,219	276,257	276,530
Swimming Pool Construction(2025)	220,598	219,787	218,587	218,022	217,104	216,830	215,222
Aryshire Drive culvert-OPWC loan(2014)	27,975	27,975	27,975	27,975	13,987	0	0
Land acquisition-economic development	500,000	489,500	0	0	0	0	0
Industrial Parkway/SR 161 improvements(1)	669,606	0	0	0	0	0	0
LED street lighting(2)	0	0	246,000	246,000	246,000	246,000	246,000
I-270/SR 161 interchange-Phase 1(2)	0	0	0	0	0	0	528,000
Reserved for potential Bridge Street Corridor projects	0	0	0	500,000	500,000	500,000	500,000
Reserved for US 33/SR 161/Post interchange	0	0	0	500,000	500,000	500,000	500,000
Reserved for Eiterman Road relocation	0	0	0	321,900	321,900	321,900	321,900
Total	5,518,037	3,232,266	2,749,553	4,065,053	4,121,625	4,056,402	4,564,325
Income tax revenue available for debt retirement(from page 3-2)	9,886,140	10,329,118	10,380,763	10,536,475	10,694,522	10,854,940	11,017,764
Balance available(3)	\$4,368,103	\$7,096,852	\$7,631,210	\$6,471,422	\$6,572,897	\$6,798,538	\$6,453,439
Amount of additional debt that could be supported(4)	\$44,572,480	\$72,416,851	\$77,869,490	\$66,034,916	\$67,070,373	\$69,372,835	\$65,851,415
Recommended maximum amount of additional debt	\$40,115,230	\$65,175,172	\$70,082,537	\$59,431,422	\$60,363,336	\$62,435,549	\$59,266,274

(1) Beginning in 2012, the annual debt obligations will be paid from the Perimeter TIF Fund.

(2) Estimated debt service obligations.

(3) Funding not needed for debt service is utilized to fund cash basis projects.

(4) It is not recommended that the total amount be issued in long-term debt.

Estimate assumes 20 year bonds at 7.5% and level payments.

Note-Payments include both principal and interest.

The Avery-Muirfield/US 33 interchange and the swimming pool construction project includes the administrative fees for the State Infrastructure Bank loan program and the Ohio Municipal Bond program.

**2012-2016
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
DEBT SERVICE PAYMENTS DUE
(Debt supported by sources other than income tax revenue)**

	2010	2011	2012	2013	2014	2015	2016
Service Payments							
Emerald Parkway-Phase 2(2016) (1)	\$641,166	\$651,840	\$650,540	\$654,040	\$646,240	\$548,420	\$494,000
Rings Road improvements(2020) (1)	271,424	277,408	272,801	271,128	270,479	269,358	274,081
Woerner-Temple Road(2020) (2)	0	451,079	446,043	445,136	480,900	462,007	448,662
Perimeter Drive extension(2020) (1)	304,688	310,737	305,573	303,697	302,971	301,714	305,874
Emerald Parkway-Phase 7A(2020) (1)	159,071	160,057	157,391	156,422	156,048	155,400	155,678
Industrial Parkway/SR 161 improvements(1)	0	0	668,990	671,190	673,190	670,195	671,428
Emerald Parkway-Phase 8 (3)	0	0	783,000	783,000	783,000	783,000	783,000
	1,376,349	1,851,121	3,284,338	3,284,613	3,312,828	3,190,094	3,132,723
Water and Sewer Funds							
Rings/Blazer Water Tower(2014)	360,360	358,400	355,480	356,600	356,440	0	0
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)	138,486	139,773	138,173	141,573	139,873	138,215	141,420
Dublin Road Water Tower(2031)	0	0	140,000	140,000	140,000	140,000	140,000
Sewer Line Repairs(2029)	154,952	155,814	154,014	152,214	155,414	153,562	151,555
Sewer Line Repairs(2031)	0	0	160,000	160,000	160,000	160,000	160,000
Sewer System Improvements(2034)	0	0	0	0	0	160,000	160,000
	2,004,523	2,004,712	2,298,392	2,301,112	2,302,452	2,102,502	2,103,700
Property Taxes(Voted)							
#2 Sewer	5,325	0	0	0	0	0	0
	5,325	0	0	0	0	0	0
Special Assessments							
Tuller Road	108,800	108,680	108,240	107,480	106,400	0	0
Ballantrae improvements	126,942	176,431	128,616	128,299	129,537	128,624	128,752
	235,742	285,111	236,856	235,779	235,937	128,624	128,752
Property Taxes(Inside millage)							
Parkland acquisition-Coffman Park(2020)	236,485	228,134	225,684	225,243	242,632	233,445	236,700
Parkland acquisition-Hard Road(2009)	0	0	0	0	0	0	0
Metro Park contribution(2017)	385,000	385,000	385,000	385,000	385,000	385,000	385,000
Reserved for US 33/SR 161/Post interchange*	1,650,000	1,650,000	0	1,600,000	1,600,000	1,600,000	1,600,000
	2,271,485	2,263,134	610,684	2,210,243	2,227,632	2,218,445	2,221,700
Hotel/Motel Tax Revenues							
Arts Facility	166,643	166,044	163,280	162,277	161,889	161,217	162,254
Total	\$6,060,067	\$6,570,122	\$6,593,550	\$8,194,024	\$8,240,738	\$7,800,882	\$7,749,129

(1) Service payments are sufficient or exceed annual debt service obligations.

(2) 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.

* Amounts in 2009-2011 transferred to the COIC Improvement Fund.

2012 - 2016
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 multi-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
 2012 - 2016

DEPARTMENT/ DIVISION	PRIOR YEARS	2011	2012	2013	2014	2015	2016	TOTAL 12 - 16	BEYOND 2016	TOTAL TO BE BUDGETED
NON-MAJOR PROJECTS										
ADMINISTRATION	507	1,945	1,455	1,505	1,510	975	915	6,360	280	6,640
SERVICE	0	0	0	0	0	0	0	0	0	0
PARKS & RECREATION	5,180	2,215	2,140	1,515	590	1,065	1,545	6,855	1,895	8,750
POLICE	60	340	165	225	55	0	0	445	0	445
SANITARY SEWER	0	0	700	0	0	500	0	1,200	400	1,600
TRANSPORTATION	812	4,210	5,135	4,795	4,670	4,375	4,365	23,340	830	24,170
WATER	1,203	1,335	850	315	775	360	0	2,300	0	2,300
STORMWATER	0	300	300	300	300	300	300	1,500	0	1,500
TOTAL	7,762	10,345	10,745	8,655	7,900	7,575	7,125	42,000	3,405	45,405

9/12/2011

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2012-2016

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2011	2012	2013	2014	2015	2016	TOTAL 12-16	BEYOND 2016	TOTAL TO BE BUDGETED
ADMINISTRATION / NONMAJOR PROJECTS											
AL1201	Land acquisition	0	0	0	0	0	0	0	0	0	0
AU1201	Utility service improvements	0	510	0	400	400	400	400	1,600	0	1,600
AB1201	Building maintenance/renovations	0	930	1,020	865	875	305	280	3,345	230	3,575
AB0802	Technology improvements	507	280	130	0	0	0	0	130	0	130
AB1202	Annual public art maintenance	0	0	80	15	10	45	10	160	50	210
AA1201	Contingencies	0	225	225	225	225	225	225	1,125	0	1,125
9/12/2011	TOTAL	507	1,945	1,455	1,505	1,510	975	915	6,360	280	6,640

City of Dublin
2012 – 2016 Capital Improvements Program

Administration – Non-Major Projects

AL1201 Land acquisition – The funding (\$500,000 per year) that had been allocated in the past for general land acquisition has been used for the land that was acquired near the US 33/SR161/Post Road interchange for economic development purposes. The property was acquired using various funding sources including an advance from the General Fund in the amount of \$2.5 million.

The advance is being repaid over a five year period using the annual funding that had been programmed for land acquisition. Instead of allocating the \$500,000 in the land acquisition project, the \$500,000 has been programmed as a transfer in the Capital Improvements Tax Fund and has been reflected in the Debt Services Payments Due schedule. The funds are transferred to the Land Acquisition Fund and then advanced to the General Fund. The repayment of the advance was finalized in early 2011.

No funding has been programmed for general land acquisition during the five year programming period.

AU1201 Utility service improvements – The City has been allocating \$400,000 for utility service improvements. Funding programmed in 2011 provides for preliminary design and cost estimates for the burial of existing overhead utilities in Historic Dublin. These improvements are reflective of Council’s goal of enhancing further development in Historic Dublin by providing more reliable utility service and a more aesthetically pleasing streetscape. This project also aligns favorably with the streetscape within the Bridge Street Corridor and reduces potential overhead conflicts with trees. An added benefit allows for future Dublink facilities to be extended throughout Historic Dublin. Completing the design will allow the City to phase the utility burial projects.

Previously, funding was programmed in 2012 based on the City’s Economic Development Agreement with IGS Energy and the commitment to burying overhead utility lines near the IGS site. Service payments from the Thomas/Kohler TIF will be used to fund the project. Due to the fact that funds are available in the Thomas Kohler TIF and the desire to expedite completion, the project will be completed in 2011. Additionally, allocations for utility service improvements of \$400,000 have been programmed for 2013 through 2016. Sites have not been prioritized for utilizing these allocations.

Utility burial projects along Post Road (2008) and Frantz Road (2013) were, or will be, funded from TIF Funds.

**City of Dublin
2012 – 2016 Capital Improvements Program**

Administration – Non-Major Projects (continued)

AB1201 Building maintenance/renovations – This request provides allocations for necessary maintenance to City buildings. The amount programmed for 2012 is broken down as follows:

Location	Description	Amount	
Municipal Building	Replace patio doors in lobby area	15,000	
	Replace flooring in City Hall and Annex	73,500	
Fleet Maintenance	Renovation of restrooms and break room	70,000	
Justice Center	Repaint common areas walls, doors and frames	5,000	
	Replace flooring in admin. Areas, elevator and hallway	15,000	
	Replace flooring in hallway leading to sally port	2,500	
	Renovate firing range	445,000	
	Remove antenna cables from air vents and install on roof	15,000	
Recreation Center (DCRC)	Sidewalk repairs	5,000	
	Outside sitting/eating patio area	30,400	
	Replace decking in competition pool area	55,000	
	Paint interior pool area; windows and doorframes	38,000	
	Replace flooring in Talla kitchen area	6,000	
	Replace security cameras and add to new network	40,000	
	Replace large leisure pool filters	40,000	
	Avery Park	New roof and paint for shelter house	8,500
	Red Trabue Log Cabin	Replace roof	7,000
	Scioto Park	Restroom renovation; replace roof, rotting wood and cupola exhaust fan	15,000
Summit View Barn	Replace failing stucco and paint	7,500	
All locations	Small in-house renovations	15,000	
	Facility sidewalk repairs	21,000	
	HVAC and pump replacements	25,000	
	New facility access security system and cameras	40,000	
	Space needs study (Justice Center and 5800 building)	25,000	
Rounding		600	
Total		\$1,020,000	

City of Dublin
2012 – 2016 Capital Improvements Program

Administration – Non-Major Projects (continued)

AB0802 Technology improvements – \$130,000 has been programmed in 2011 and 2012 and will complete the project outlined in Ordinance 20-08 approved by Council to partner with DHB to acquire assets, engineer, deploy, maintain and operate a Wi-Fi system for the balance of the City not currently covered (Phase II deployment). In 2010, High Speed Air, Inc. (HSA) acquired all of the Dublin assets of DHB and will complete the remaining obligations to the City.

To further support the City's Wi-Fi system, additional funding in the amount of \$150,000 has been programmed in 2011 for the City's share to extend the fiber backbone into residential areas to reach remote City, School and Township properties. This project will be a partnership between the City, Dublin City Schools and Washington Township. The total cost of the project is estimated to be \$300,000.

AB1202 Annual public art maintenance – Funding is programmed for the performance of on-going maintenance and restoration of public art work owned by the City. Like all other infrastructure, this artwork is in need of routine maintenance, occasional repairs, and full restoration in some cases to prolong the life of the artwork. The requested funding in 2012 is to catch up on deferred maintenance and to begin a preventative maintenance program.

AA1201 Contingencies - This is an allocation that is utilized for change orders related to projects that are carried over from one year to the next or minor projects that were unanticipated. \$225,000 is allocated each year.

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2012-2016

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2011	2012	2013	2014	2015	2016	TOTAL 12-16	BEYOND 2016	TOTAL TO BE BUDGETED
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SERVICE / NONMAJOR PROJECTS

9/12/2011		0	0	0	0	0	0	0	0	0	0
TOTAL		0	0	0	0	0	0	0	0	0	0

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2012-2016

PROJECT NO.	DESCRIPTION	PRIOR YEARS (\$000)	2011	2012	2013	2014	2015	2016	TOTAL 12-16	BEYOND 2016	TOTAL TO BE BUDGETED
PARKS & RECREATION / NONMAJOR PROJECTS											
AR1201	Park renovations/improvements	0	300	580	450	450	450	450	2,380	0	2,380
GR0108	Ballantrae Park	5,180	250	130	0	0	0	0	130	405	535
GR0505	Skate Park redesign	0	0	0	40	90	0	0	130	0	130
GR0710	Kiwanis Boardwalk extension	0	85	0	0	0	0	0	0	0	0
GR0911	Riverside Drive Park	0	505	0	0	0	0	0	0	0	0
GR0914	Dublin Spring Park	0	150	0	0	0	0	0	0	0	0
GR1010	Campden Lakes/Wedgewood Glen Park	0	0	175	0	0	0	0	175	0	175
GR1011	Llewellyn Farms South Park	0	0	0	0	0	0	100	100	0	100
GR1012	Emerald Parkway Bridge Park	0	45	435	0	0	0	0	435	0	435
GR1110	Riverwalk (Emerald Parkway to SR161)	0	0	0	0	0	120	995	1,115	0	1,115
GR1111	Sycamore Ridge Park	0	0	0	0	0	0	0	0	490	490
GR1112	Hutchins Property	0	275	0	0	0	0	0	0	0	0
GR1113	IGS Park (TIF)	0	0	275	0	0	0	0	275	0	275
GR1114	Holder Tract	0	80	55	510	50	495	0	1,110	1,000	2,110
GR1115	Dublin Community Pool North Renov	0	525	490	440	0	0	0	930	0	930
GR1301	Cramer Crossing Reserve E	0	0	0	75	0	0	0	75	0	75
9/12/2011	TOTAL	5,180	2,215	2,140	1,515	590	1,065	1,545	6,855	1,895	8,750

**City of Dublin
2012 – 2016 Capital Improvements Program**

Parks and Recreation - Non-Major Projects

AR1201 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 in 2012:

Location	Description	Amount
Coffman Park	Amphitheater wall repair	\$46,000
	Plaza wall repair	50,000
	West playground equipment and surfacing replacement.	250,000
Brighton Park	Reflecting pool replacement	90,000
Hawk's Nest	Structure safety surface replacement (5-12 year)	65,000
Donegal Cliffs Park	Tennis court fence replacement	25,000
Llewellyn Farms Park	Tennis court fence replacement	25,000
Grounds of Remembrance	Gravel path binder amendments	20,000
Historic District	Water retention curb	2,000
Renovation and development projects	Portable chain link fencing	7,000
Total		\$580,000

GR0108 Ballantrae Park – Due to the popularity and increased utilization of the spray park, funds have been programmed in 2011 for the completion of improvements to the filtration system. The original filtration system was not designed to handle the volume of users that are currently utilizing the amenities of the park. Funding in 2012 provides for further renovations to the spray park including the construction of equipment room stairs and the replacement/modification of the fountain paver area.

GR0505 Skate Park redesign – Funding provides for the redesign of part of the existing skate park. This is being programmed based upon user input.

GR0710 Kiwanis Boardwalk extension – Funding in 2011 will extend the existing path from Kiwanis Park to 161. The park trail is in need of renovation. The wetland nature of the park has overtaken some of the trail and the balance is in a state of disrepair. Additional funds have been programmed in 2011 to provide for these renovations.

City of Dublin
Proposed 2012 - 2016
Capital Improvements Program

Parks and Recreation – Non-Major Projects (continued)

- GR0911 Riverside Drive Park – This is a high visibility wooded open space along Riverside Drive. The development plans include an extensive walking path system (similar to Indian Run Falls) designed to compliment the high school cross country teams, karst landscape boardwalk, new parking lot & associated landscaping, and a shelter (similar to the new Scioto Park).
- GR0914 Dublin Spring Park - Funding is programmed to rebuild the spring outlet, create an access point from 161 bridge deck, and control new springs using BMP stormwater controls.
- GR1010 Campden Lakes/Wedgewood Glen Park – A large land mass ties together two adjacent neighborhoods. Development will include bike paths, landscaping, site furnishings, and a “rural character” fishing deck/pier.
- GR1011 Llewellyn Farms South Park – Funding is programmed in 2016 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. There is potential for grant monies. Design is scheduled in 2011 and construction in 2012. The timing of this project has taken into consideration construction of the Emerald Parkway – Phase 8 project.
- GR1110 Riverwalk (Emerald Parkway to S.R. 161) - This project will provide a scenic pedestrian path along the east side of the Scioto River from the Emerald Parkway Bridge to S.R. 161 and connecting to the existing Kiwanis Riverway Park just south of S.R. 161. Additional land or easements will need to be acquired. Design is programmed in 2015 with funds programmed in 2016 for construction. Additional acquisitions need to be evaluated and the results of the Bridge Street corridor study could have an impact on the timing and/or development of this project.

City of Dublin
Proposed 2012 - 2016
Capital Improvements Program

Parks and Recreation – Non-Major Projects (continued)

- GR1111 Sycamore Ridge Park – Funds will provide neighborhood park amenities including a large looping multi-use path system, shelter house, playground, site furnishings, landscaping and potentially a second dog park. The Bridge Street Corridor Study could have an impact on the timing and/or development of this project. This project has been moved to beyond the five year period.
- GR1112 Hutchins property – This is a recently acquired large tract of land east of the Scioto River and west of Wedgewood Hills. Construction in 2011 will add a multi-use path connecting it to the Wedgewood Hills subdivision.
- GR1113 IGS Park - This project will provide a park area adjacent to commercial areas. The land for the park will be provided by IGS Energy as discussed in the Economic Development Agreement with the City. Funding in 2012 includes a multi-use path, bridge, landscaping, shelter house and associated site furnishings. The multi-use path and bridge will be funded from the Thomas/Kohler TIF and the shelter house will be funded from the Capital Improvements Tax Fund.
- GR1114 Holder tract - 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 programmed in 2011 provided for master planning of the site. Funds programmed in 2012 are for the design of the parking lot, bridge and house renovation with plans for construction in 2013 of these elements. Funding in 2014 includes design for mound restoration, path system implementation and education package with construction of these amenities programmed in 2015.
- GR1115 Dublin Community Pool North renovations - Funds programmed in 2011 are to renovate the spray park and for bike rack expansion, 2012 includes funding for expansion of the concession stand, landscape renovations and building painting and 2013 includes renovation of the existing shade structures, landscape renovations, fencing upgrades and updated sign packages.
- GR1301 Cramer Crossing Reserve E – Funding in 2013 provides for a gazebo, walking paths and associated landscaping.

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2012-2016

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2011	2012	2013	2014	2015	2016	TOTAL 12-16	BEYOND 2016	TOTAL TO BE BUDGETED
POLICE / NONMAJOR PROJECTS											
PP0803	Replacement lasers	17	0	25	0	25	0	0	50	0	50
PP0804	Replacement radars	28	0	40	0	30	0	0	70	0	70
PP0805	OptiCorn	15	25	25	0	0	0	0	25	0	25
PP1102	Dublin Emergency Warning System Upgrade	0	280	0	0	0	0	0	0	0	0
PP1103	Portable Sign Board System	0	0	0	35	0	0	0	35	0	35
PP1104	Digital Video Recorders for Motors	0	35	0	0	0	0	0	0	0	0
PP1301	Intersection Observation Cameras	0	0	0	190	0	0	0	190	0	190
PP1201	Panic Alarm System Upgrade	0	0	55	0	0	0	0	55	0	55
PP1202	Ballistic Helmets	0	0	20	0	0	0	0	20	0	20
9/12/2011	TOTAL	60	340	165	225	55	0	0	445	0	445

City of Dublin
2012 – 2016 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 currently used over the course of three non-consecutive years. The radars have an estimated life of 10 years.

PP0805 OptiCom – This allocation provides funds to purchase the needed vehicle based equipment to allow police cruisers to utilize the OptiCom traffic signal pre-emption system. Ten of the traffic signals within the City have the pre-emption system installed. Equipment is currently installed in four front line cruisers. Funding programmed in 2011 and 2012 will complete the installation in all front line cruisers.

PP1102 Dublin emergency system warning upgrade – Programming provides funding to upgrade the Dublin Emergency Warning System. The upgrade is programmed in 2011 and will be completed in three phases outlined below:

Phase 1 – Radio infrastructure - The Federal Communications Commission (FCC) issued a mandate that all radios operating in bands below 800MHz switch to narrowband capabilities by January 1, 2013. The current radios in the siren sites are wideband only and must be upgraded to meet the FCC mandate. The City has worked with Whelen and Motorola to provide a cost effective, easy to install option that will allow the system to be upgraded with no down time. Implementing this solution will mean the only down time will be at each single site while it is changed over. The City will potentially receive a reimbursement in the amount of \$16,500 from a Homeland Security grant secured by the Franklin County Emergency Management Agency. The estimated cost of this phase is \$30,000.

Phase 2 – Additional Siren sites - The siren system was last expanded in 2008 with the addition of a site at Coffman Park specifically to cover events held at that location. Prior to that, three Washington Township sirens were converted to the Distant Early Warning System (DEWS) and an additional siren was added at Glacier Ridge Elementary. Funds are programmed to add four additional sites to help improve coverage along the west edge of the City.

City of Dublin
2012 – 2016 Capital Improvements Program

Police Non-Major Projects (continued)

Sites identified are 1) Municipal Pool - South; 2) Hyland Croy/Bishops Crossing; 3) Dublin Jerome High School and 4) Hyland Croy/McKitrick (Tartan West). This will add coverage in what are now marginally covered areas of the city. The estimated cost of this phase is \$120,000.

Phase 3 – Power components upgrade and conversion to solar - Many of the existing siren sites are using the original power components that were installed in 1990. Funding includes power upgrades to all sites including new polyphasers to protect the sites from lightning damage. Funding also includes upgrading all sites to solar that will save on electric costs and increase the reliability of the power sources. Currently, the Glacier Ridge Elementary site has been running on solar since it was installed in 2008 and has been very successful. The estimated payback for converting the sirens to solar is four years.

PP1103 Portable sign board system – Funds programmed in 2013 are for a portable electronic message board to display a high visible electronic message(s) in a neighborhood in order to deliver important crime prevention, crime awareness, traffic safety, or special event information.

PP1104 Digital video recorders for motorcycles – Funds allocated in 2011 are provided for the installation of digital video systems on each of the four motorcycles. The City has been converting video recorders in police cruisers from VHS to digital. The manufacturer now has a reliable solution for motorcycle units. The digital video systems will allow motorcycle units video recording capabilities to capture incidents at the scene.

PP1301 Intersection Observation Cameras – Funds allocated in 2013 are provided for the deployment of internet protocol (IP) video cameras at key intersections/corridors within the City. With the completion of the Wi/Fi network throughout the main traffic corridors in the City, this project will leverage that infrastructure to place surveillance cameras at high traffic, high incident locations. These funds will purchase cameras for 7 intersections/corridors that are not already covered by cameras provided by ODOT. Locations will be determined as a result of discussions between Police, Engineering and Information Technology and will be based on crash counts/rates & traffic counts. These cameras will be monitored in the communications center and will be accessible via the City's internal

**City of Dublin
2012 – 2016 Capital Improvements Program**

Police Non-Major Projects (continued)

camera network, which include police & fire vehicles. The camera views could also be shared on the City's web site and with ODOT's traffic control center.

PP1201 Panic Alarm System upgrade – Funds are programmed in 2012 for the upgrade of the S2 security system to allow for monitoring of panic alarms located in City facilities. The current panic alarms are over ten years old

The installation of the S2 building access system centralizes the key card access to all City buildings into one system located in the Justice Center that will allow the various panic alarms located at City facilities to ring directly into the Police communications center. This upgrade will eliminate the notification delay that exists because these alarms are currently monitored by a third party. In addition, several of the panic alarms installed in City facilities will be converted to wireless to allow easy relocation of alarm points when building upgrades occur and the facility needs changed.

PP1202 Ballistic Helmets – Funds are programmed in 2012 to replace existing officer ballistic helmets. The helmets have a five year life.

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2012-2016

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2011	2012	2013	2014	2015	2016	TOTAL 12-16	BEYOND 2016	TOTAL TO BE BUDGETED
SANITARY SEWER SYSTEM \ NONMAJOR											
ES1110	North Fork sewer-capacity improvement	0	0	0	0	0	0	0	0	400	400
ES1201	Deer Run sanitary improvements	0	0	325		0	0	0	325	0	325
ES1202	Manhole rehabilitations	0	0	375	0	0	500	0	875	0	875
9/12/2011	TOTAL	0	0	700	0	0	500	0	1,200	400	1,600

City of Dublin
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Sanitary Sewer System - Non-Major Projects

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.

ES1201 Deer Run sanitary improvements – Funds programmed in 2012 are for the design and installation of a new pump in the existing wet well, design and construction of new connection of existing force main to existing gravity sewer, investigation of condition of existing force main, and design and construction of improved connection for Shawnee Hills force main.

Completion of this project will minimize sanitary sewer overflow frequencies and improve the connection of the Shawnee Hills sewer.

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 Deer Run sewer shed in 2012 and the North Fork and South Fork Indian Run sewer sheds in 2015.

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2012-2016

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2011	2012	2013	2014	2015	2016	TOTAL 12-16	BEYOND 2016	TOTAL TO BE BUDGETED
TRANSPORTATION / NONMAJOR PROJECTS											
AT1201	Annual street maintenance program	0	2,725	3,000	3,150	3,300	3,465	3,640	16,555	0	16,555
AT1202	Annual roadside improvement program	0	85	85	85	85	85	0	340	0	340
AT1203	Annual multi-use path maintenance	0	350	350	350	150	150	150	1,150	0	1,150
AT1204	Annual multi-use path connections/additions* (Some TIF funded)	0	155	285	570	395	350	0	1,600	0	1,600
AT1206	Annual sidewalk program	0	125	375	0	250	0	250	875	0	875
AT1207	Annual parking lot maintenance	0	355	250	250	100	100	100	800	0	800
AT1208	Annual pedestrian tunnel maintenance	0	250	300	150	150	50	50	700	0	700
AT1209	Annual infrastructure repairs	0	75	150	150	150	150	150	750	0	750
AT1210	Annual guardrail replacement	0	65	65	65	65	0	0	195	0	195
AT1211	Annual bike rack installation	0	25	25	25	25	25	25	125	0	125
AT1105	Traffic calming program	0	0	0	0	0	0	0	0	0	0
ET0403	Pedestrian tunnels	746	0	0	0	0	0	0	0	650	650
ET1118	Riverside Drive/Hard Road turn lane (Fund 212)	66	0	250	0	0	0	0	250	0	250
ET1201	Shannon Glen Park multi-use path bridge	0	0	0	0	0	0	0	0	180	180
9/12/2011	TOTAL	812	4,210	5,135	4,795	4,670	4,375	4,365	23,340	830	24,170

City Of Dublin
2012 - 2016 Capital Improvements Program

Transportation – Non-Major Projects

AT1201 Annual street maintenance program - This is an annual allocation for repairing the City's roadways. Based on the condition assessment of the City's roadways completed by the Division of Engineering, the level of funding programmed should be sufficient to maintain a high percentage of our roadways rated as "good" or better. The 2007 condition assessment determined that 90.1% of the City's road-miles were considered to be in good condition or better. This percentage was up from 86.6% established in the 2004 assessment.

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. The allocation for 2012 reflects a 10% increase over 2011 with the remaining years reflecting an annual increase of approximately 5%. The results of the pavement analysis will allow the City to more accurately identify pavement conditions and program repairs accordingly in the five year CIP.

AT1202 Annual roadside improvement program - This is an annual allocation to improve conditions along City roadways. This program is completed in conjunction with the Annual Street Maintenance program. As with other annual programs, the intent is to establish a list of the areas needing improvement and to identify years in which we anticipate the work being completed.

AT1203 Annual multi-use path maintenance - This is an annual allocation to maintain the City's multi-use paths. This project is completed in conjunction with the Annual Street Maintenance Program. Engineering and Parks and Open Space have identified several multi-use paths that are in need of maintenance in the next two years. As a result, \$350,000 has been programmed in 2011 and 2012 to repair the identified multi-use paths. Additionally, an annual allocation of \$350,000 has been programmed in 2013 and \$150,000 has been programmed in 2014, 2015 and 2016 to ensure the multi-use paths are properly maintained. Based on the age of the multi-use path system, an annual evaluation of the City's system will be completed in order to properly maintain the multi-use paths.

AT1204 Annual multi-use 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.

City Of Dublin
Proposed 2012 – 2016 Capital Improvements Program

Transportation – Non-Major Projects (continued)

AT1204 Annual multi-use path connections/additions (continued)
 As a result of City Council’s 2007 goal-setting session, the funding for multi-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 multi-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 multi-use path connection/addition needs and has developed a comprehensive plan for completing these projects to further enhance the City’s comprehensive multi-use path network. As a result, additional funds have been programmed in the five year CIP to expedite the completion of these multi-use paths/additions. In 2012, the following connections/additions are programmed for completion:

General Location	Amount
Jerome and Glick Road (design)	\$20,000
Between Coffman HS and Dublin Schools Administration Building	57,670
Hyland Croy connecting Tartan West to existing path by Jerome HS	48,720
Oak Park South connector to Glacier Ridge Park	14,155
South to Brand east of Hyland Croy connecting path to Glacier Ridge	78,660
Tullymore and Parkmill (crossing)	6,025
Wareham south of Wiltshire (crossing)	6,485
Westbury Belvedere at Brand and Abbie Glen (crossing)	27,860
Martin Road east of Riverside Drive to existing path (design)	25,000
Total	\$284,575

AT1206 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 2012. To jump start this program, an additional \$125,000 is programmed in 2012. In previous years, \$125,000 was programmed annually.

City Of Dublin
Proposed 2012 – 2016 Capital Improvements Program

Transportation – Non-Major Projects (continued)

- AT1207 Annual parking lot maintenance – This project will be administered by the Division of Engineering and will likely be completed in conjunction with the Annual Street Maintenance Program.
- Staff is currently in the process of completing a comprehensive analysis of all City owned parking lots. The timing and location of completing the parking lot maintenance will be based on this analysis. Additional funds have been programmed in 2012 and 2013 to fund the cost of these repairs.
- AT1208 Annual pedestrian tunnel maintenance – A preliminary assessment of the pedestrian tunnels has been completed. Several tunnels are in need of repair. Engineering staff has completed a condition analysis of the tunnels. Necessary improvements will be prioritized and cost estimates completed. Additional funds are programmed in 2011 and 2012 to expedite the repairs of the tunnels with more pressing needs. Funds programmed in 2011 will be used to complete tunnel repairs at Muirfield Drive (south of Whittingham Drive and Dublin Road (at Brandonway Drive) near Bailey Elementary. The funds programmed in 2012 – 2016 are allocations.
- AT1209 Annual infrastructure repairs – Previously funded, on an as needed basis, in the Annual Street Maintenance Program, this funding will allow for various repairs in the right-of-way. Examples include bridge railings, stone walls, mast arm poles and other right-of-way repairs.
- AT1210 Annual guardrail replacement – This funding will allow for the wood guardrails within Dublin to be replaced in compliance with current standards. The replacement should be completed in 2014.
- AT1211 Annual bike rack installation – The City, as well as the Bicycle Advisory Task Force (BATF), has identified the need for several additional bike racks as a result of the increased use of bicycles in the City. Funding is provided for the installation of additional bike racks throughout the City. Racks will consist of a mix of standard, custom and functional sculpture bike racks based on location and need.
- AT1105 Traffic calming program – No allocation has been programmed for the next five years.

City Of Dublin
Proposed 2012 - 2016 Capital Improvements Program

Transportation – Non-Major Projects (continued)

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 has not been programmed in the five year period.

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 2012. This project will be funded out of the State Highway Fund.

ET1201 Shannon Glen Park multi-use path bridge – This project will provide a multi-use path bridge over a tributary of the North Fork of Indian Run. No funding is included in this five year period.

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2012-2016

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2011	2012	2013	2014	2015	2016	TOTAL 12-16	BEYOND 2016	TOTAL TO BE BUDGETED
WATER DISTRIBUTION SYSTEM \ NONMAJOR PROJECTS											
AW1202	Water line oversizing	0	0	0	0	0	0	0	0	0	0
AW1001	Water line replacement	0	0	500	0	470	0	0	970	0	970
AW0604	Booster station upgrades	213	580	85	0	0	55	0	140	0	140
EW0102	Water tower maintenance	990	500	0	0	305	305	0	610	0	610
EW1102	Post Road water tower decommissioning	0	85	0	0	0	0	0	0	0	0
EW1501	12" waterline - Ballantrae Section 9 to Cosgray	0	170	0	0	0	0	0	0	0	0
EW1301	Water Quality Units	0	0	0	315	0	0	0	315	0	315
EW1202	Fishel Drive watermain extension phase 1	0	0	265	0	0	0	0	265	0	265
9/12/2011	TOTAL	1,203	1,335	850	315	775	360	0	2,300	0	2,300

City of Dublin
2012 - 2016 Capital Improvements Program

Water Distribution System - Non-Major Projects

AW1202 Water line oversizing - An annual allocation of \$75,000 had been programmed in recent years. We are not currently aware of any potential oversizing projects and therefore have not programmed any funding during the next five years.

AW1001 Water line replacement - The City's water system is relatively new and we have not needed to replace existing lines. There are areas in the City that have older 2 inch and 3 inch main lines that have been identified for replacement with a 6 inch main line. The smaller lines tend to experience more problems with breaks. Engineering staff will prepare a comprehensive list of areas and complete an analysis of the lines to determine when replacement should occur.

There is funding allocated in 2012 and 2014 to begin replacing the older 2 inch and 3 inch lines. Once a comprehensive list is prepared and the analysis of the condition of the lines is completed, a more detailed plan will be prepared. It is possible that significant replacements could be grouped and scheduled to be completed in the same year allowing long-term debt to be issued instead of programming annual allocations.

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:

- 2010 - Replace the three existing pumps at the Tartan booster station. This was completed in 2011.
- 2011 - Repair and/or replace the two existing 100 horse power pumps and replace the 5 horse power pump with an additional 100 horse power pump at the Post Road booster station.
- 2012 - Various maintenance and repairs at the Brand Road booster station.

No repairs have been recommended at the Rings Road booster station.

Staff will be working on preparing a comprehensive schedule for future maintenance and repairs associated with the booster stations.

City of Dublin
2012 - 2016 Capital Improvements Program

Water Distribution System - Non-Major Projects (continued)

- 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. The Post Road tower had been scheduled for painting in 2008, the painting was deferred because the future need of the tower was uncertain. Funds have been programmed under a separate project in 2011 to dismantle and remove the Post Road tower. The funding programmed in 2011 is for the exterior painting of the Blazer tower, funds programmed in 2014 is for wet interior painting of the Avery tower, and 2015 includes funds for wet interior painting of the Blazer tower.
- EW1102 Post Road water tower decommissioning – Funds have been programmed in 2011 to dismantle and remove the Post Road water tower. This tower will no longer be necessary because of the construction of the Darree Fields water tower.
- EW1501 12” waterline – Ballantrae Section 9 to Cosgray Road – This project is for a 12” waterline connecting Ballantrae Section 9 to Cosgray Road and has been identified to improve existing water pressures in the area. The City entered into an agreement (Resolution 07-11) on February 28, 2011 with the developer stating they will reimburse the City for the cost of constructing the waterline upon development of Ballantrae Section 9 and the developer will provide the necessary easements at no cost to the City.
- EW1301 Water quality units – Funds programmed in 2013 are 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.
- EW1202 Fishel Drive watermain extension phase 1 – Funds programmed in 2012 provide an 8-inch watermain extension along the northern part of the Fishel Drive loop. The Fishel Drive area is not currently annexed into the City. This project will provide water to this area and assist in future annexation and development.

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2012-2016

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2011	2012	2013	2014	2015	2016	TOTAL 12-16	BEYOND 2016	TOTAL TO BE BUDGETED
STORMWATER SYSTEM \ NONMAJOR PROJECTS											
AF1201	Annual stormwater maintenance	0	300	300	300	300	300	300	1,500	0	1,500
									0		0
									0		0
9/12/2011	TOTAL	0	300	300	300	300	300	300	1,500	0	1,500

City of Dublin
2012 - 2016 Capital Improvements Program

Stormwater System - Non-Major Projects

AF1201 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.