



Office of the City Manager
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Memo

To: Members of Dublin City Council
From: Dana L. McDaniel, City Manager 
Date: August 6, 2015
Initiated By: Angel L. Mumma, Director of Finance
Melody Kennedy, Budget Manager
Re: Ordinance No. 54-15 Adopting the 2016 - 2020 Five Year Capital Improvements Program (CIP)

Summary

The Administration's proposed Capital Improvements Program (CIP) for 2016 - 2020 has been prepared and is submitted to City Council for review.

The proposed CIP will be reviewed with City Council at the workshop meeting that is scheduled for August 17 beginning at 6:30 p.m. in Council Chambers.

The final CIP document will be prepared after the workshop meeting and will be submitted to City Council prior to the public hearing of Ordinance No. 54-15 scheduled for September 8, 2015.

The information in the attached notebook provides spreadsheets identifying the proposed projects by category, proposed year for funding and estimated project costs. Project descriptions have been prepared and follow each spreadsheet with additional information provided as needed/available. Also included are project spreadsheets from 2015 - 2019 for comparison.

A recap of the overview information that will be discussed has also been provided in the front of the CIP document. This includes information on the City's CIP process, including financial guidelines and the administrative processes used in preparing the proposed CIP, a recap of the proposed projects, a recap of the funding sources and information on the revenue sources to fund the projects.

Recommendation

The proposed 2016 – 2020 CIP is to be reviewed by City Council during a workshop scheduled for August 17, 2015. Any modifications as a result of the workshop meeting will be incorporated into the final five-year CIP prior to the second reading. Staff recommends approval of Ordinance No. 54-15 at the second reading/public hearing on September 8, 2015.

RECORD OF ORDINANCES

Dayton Legal Blank, Inc.

Form No. 30043

Ordinance No. **54-15**

Passed _____, 20____

AN ORDINANCE ADOPTING THE 2016-2020 FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

WHEREAS, Section 8.03(a) of the Revised Charter requires the City Manager to prepare and submit to City Council a five-year capital program in accordance with the annual budget calendar as authorized by City Council; and

WHEREAS, City Council has received and reviewed the Five-Year Capital Improvements Program (CIP) for the years 2016-2020; and

WHEREAS, the CIP represents a long-term financial plan which establishes priorities, identifies project costs and phasing, identifies funding sources, and serves as a planning document for capital improvements; and

WHEREAS, the Administration has incorporated in the attached CIP all modifications as requested by City Council as a result of the CIP budget workshop.

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Dublin, State of Ohio, _____ elected members concurring that:

Section 1. The 2016-2020 Five-Year Capital Improvements Program attached as an Exhibit be, and hereby is, approved.

Section 2. This Ordinance shall take effect and be in force on the earliest date permitted by law.

Passed this _____ day of _____, 2015

Mayor - Presiding Officer

ATTEST:

Clerk of Council

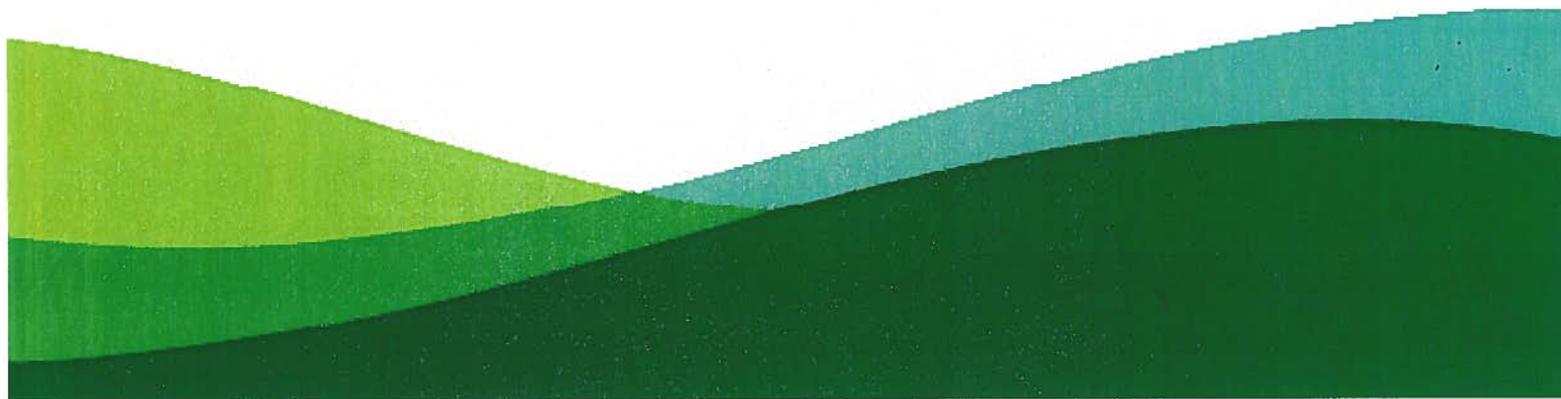


2016-2020

Proposed Capital

Improvements

Program



2016 – 2020

Capital Improvements Program Schedule

2015

March 23		Memo to Directors
May 18		Submit Project Forms to Finance
June 12	1:00-2:30	Staff Review-Facilities / Fleet
June 17	1:15-2:45 3:00- 4:00	Staff Review-Transportation Staff Review-Utilities
June 18	9:30-11:30	Staff Review-Parks
June 19	8:30-9:30 9:45-10:45	Staff Review -Information Technology Staff Review-Police
June 22	1:00-2:30	Staff Review-Bridge Street District
July 2	3:30-5:00	Finance Review with City Manager
July 14	1:30-3:00	Finance Review with City Manager
July 15	1:00-2:00	Staff Review-Bridge Street District - Parks
July 20	11:00-12:00 4:00-5:00	City Manager Review-Parks City Manager Review-Public Works
July 23	2:00-3:00 3:00-3:30 3:30-4:00	City Manager Review-Bridge Street District City Manager Review-Facilities City Manager Review-Fleet
July 28		Advertise Ordinance Title
August 7**		Packet Distribution
August 10		1 st Reading of City Council
August 17		Council Workshop
Sept 8***		2 nd Reading of City Council

** - Binders to Clerk of Council for packet distribution by or before August 7.

*** - Final CIP document to Clerk of Council for packet distribution by or before September 4.

1	Overview
2	Proposed Funded Projects
3	Resources
4	City Manager
5	Parks and Recreation Non- Major
6	Parks and Recreation Major
7	Information Technology
8	Police
9	Facilities
10	Fleet
11	Sanitary Sewers
12	Transportation Non-Major
13	Transportation Major
14	Water
15	Stormwater

1-Overview



2016 - 2020 Capital Improvements Program

Overview

General Information

- The five-year Capital Improvements Program (CIP) is completed in accordance with the annual budget calendar.
- The five-year program is updated annually.
- The operating budget will appropriate funding to implement the first year of the five-year program.
- Once City Council has reviewed the proposed CIP, the program will be modified if necessary, and the final document will be prepared.
- The final CIP document contains:
 - A recap of the CIP process
 - Financial guidelines
 - Revenue projects for income tax and water and sewer fees
 - Information on the City's outstanding debt and a projected long-term debt schedule
 - A schedule of the funded major projects, including estimated costs and funding year
 - A schedule of the funded non-major projects, including estimated costs and funding year

Administrative Processes in Preparing the Proposed CIP

- Project forms, including projects in the current program, were distributed to department/division heads in mid-March requesting new projects and to update information on current projects.
- 2015 projections are updated for the General Fund and the Capital Improvements Tax Fund to determine year-end resources that will be available to carry forward.
- Based on current projections and allowances for reserves, we are estimating that there will be approximately \$5.5 million in the Capital Improvements Tax Fund to carry forward from 2015 for capital projects in the future. We have not programmed any additional funding from the General Fund. \$12.5 million was carried forward from 2014.

2016 - 2020 Capital Improvements Program

- Income tax projections are reviewed and updated for the five-year period.
 - In the 2015 Operating Budget, revenue from local income tax was projected to be \$81,650,000 with 75%, or \$61,237,500 programmed in the General Fund to be used as operating revenue, and 25% or \$20,412,500 programmed in the Capital Improvements Tax Fund to be used for capital projects. Maintaining a conservative approach to estimating revenue, this estimate was based on an assumption of a 5.7% reduction from the 2014 revised revenue estimate, determined when the 2015 Operating Budget was approved in December 2014. However, the actual income tax revenue for 2014 exceeded the revised estimate by 1.7%. Compared to 2013 income tax revenue, the 2014 collections increased 7.3%.

Through the second quarter of 2015, total income tax collections had declined 2.9% over second quarter year-to-date 2014 receipts. However, due to the City's conservative nature in estimating revenue, the year to date receipts are 5.7% over the budgeted revenue for the year. As a result of this increase over the budgeted amount, revisions have been made to the 2015 income tax projections which reflect a 2% increase over the amount initially estimated. This revision still accounts for an overall reduction in income tax revenue from 2014 actual receipts of 5.4%

Income tax revenues are monitored closely and will be revised, if necessary, during the operating budget process.

- General Fund revenues and expenditures were projected for the period 2016 - 2020 to determine the projected available funds to carry forward for capital projects and the ability to maintain operations. At this time, no additional carry forward for capital projects is projected during the five year programming period; however, the General Fund is expected to fund advances to various TIF funds throughout the five-year period, with repayment anticipated over time.
- Debt schedules were updated.
 - Debt capacity for future years was evaluated.
 - It is anticipated that the City will issue debt in 2016 to cover the construction of the Service Center expansion, Riverside Drive Park, the roadway network needed to support the new Dublin branch of the Columbus Metropolitan Library, John Shield Parkway phase 2, and Graham Street and other roadways associated with the Tuller Flats development. John Shields Parkway phase 2 as well as Graham Street and other Tuller Flats roadways will be repaid through TIF service payments.

2016 - 2020 Capital Improvements Program

- CIP worksheets were prepared based on project forms that were submitted, reviewed and discussed with Directors and staff. The project requests were then compared to the estimated resources for the five-year period.
- After discussions with Directors and staff, the City Manager and Director of Finance reviewed projects and priorities and prepared a proposed five-year CIP.
- In developing the five-year CIP, the following elements are taken into consideration:
 - City Council goals
 - Commitments made by the City of Dublin
 - Economic development opportunities
 - Community Plan
 - Grant funding opportunities
 - Community Survey
 - Bridge Street District

Financial Guidelines

- There are several key guidelines used in determining the City's fiscal capacity to complete capital projects over the next five years.
 - The five-year plan is updated annually.
 - 25% of the City's 2% income tax revenue shall be used for capital improvements. This allocation is in accordance with Ordinance No. 17-87.
 - Of the 25% in total income tax revenues which are utilized for capital improvements, 60% of that amount will be allocated to fund long-term debt and 40% to fund projects and capital expenses on a cash basis. This allocation will be reviewed in the future. The reasons for this allocation are:
 - Funding projects with long-term debt obligations reduces the use of funds for the next 20 years in most instances. The more long-term debt which is incurred now significantly reduces the options available to future City Councils to fund needed projects.
 - It is not economical to issue debt for some projects.



2016 - 2020 Capital Improvements Program

- The estimated life of some projects does not meet the criteria for issuing long-term debt.
- Income tax revenue projections will be conservative.
- To the degree that the income tax revenue rate of growth exceeds projections in any given year, the excess revenue will be utilized to fund projects on a cash basis the following year.
- Utilize, where appropriate, economic development incentives such as tax increment financing to fund needed infrastructure.
- The availability of adequate financial reserves or fund balances that can be used to address unforeseen contingencies or take advantage of opportunities is a critical element in evaluating financial strength.
- The maximum amount of debt to be issued will be 10% 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.

2-Proposed Funded Projects

2016 – 2020
Proposed Capital Improvements Program
Proposed Projects and Funding Resources

Proposed Funded Projects

Recap by Estimated Costs	2-1
Major Projects	2-2

Funding Sources

Major and Non-major Projects by Year (Recap)	2-12
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Non-major Projects by Year	2-17
Recap of Recommended Projects, Cash Needs And Available Resources	2-18

**2016 - 2020 Proposed Capital Improvements Program
Proposed Funded Projects
Recap by Estimated Costs**

	2016	2017	2018	2019	2020	Total
Major Projects:						
Transportation	\$31,525,000	\$10,430,000	\$7,560,000	\$20,615,000	\$47,815,000	\$117,945,000
Parks	2,065,000	2,465,000	22,115,000	2,010,000	1,540,000	30,195,000
Utilities	630,000	1,095,000	3,480,000	965,000	1,855,000	8,025,000
Facilities	5,915,000	540,000	0	0	0	6,455,000
Other	3,925,000	4,200,000	3,770,000	3,540,000	3,430,000	18,865,000
Total	58,097,000	39,265,000	39,265,000	36,085,000	36,085,000	181,485,000
Nonmajor Projects:						
Transportation	6,295,000	6,665,000	6,400,000	6,645,000	5,990,000	31,995,000
Parks	865,000	1,105,000	805,000	1,000,000	1,080,000	4,855,000
Utilities	1,745,000	1,105,000	1,750,000	1,170,000	1,435,000	7,205,000
Facilities	655,000	390,000	210,000	130,000	130,000	1,515,000
Other	1,882,000	1,340,000	990,000	970,000	970,000	6,152,000
Total	11,442,000	10,605,000	10,155,000	9,915,000	9,605,000	51,722,000
Total Projects:						
Transportation	37,820,000	17,095,000	13,960,000	27,260,000	53,805,000	149,940,000
Parks	2,930,000	3,570,000	22,920,000	3,010,000	2,620,000	35,050,000
Utilities	2,375,000	2,200,000	5,230,000	2,135,000	3,290,000	15,230,000
Facilities	6,570,000	930,000	210,000	130,000	130,000	7,970,000
Other	5,807,000	5,540,000	4,760,000	4,510,000	4,400,000	25,017,000
Total	\$55,502,000	\$29,335,000	\$47,080,000	\$37,045,000	\$64,245,000	\$233,207,000

	Major	Non-major
City Manager's Office	5,850,000	3,625,000
Information Technology	4,800,000	1,600,000
Facilities	6,455,000	1,515,000
Fleet	7,540,000	0
Parks	30,195,000	4,855,000
Police	675,000	927,000
Sewer	4,740,000	2,165,000
Transportation	117,945,000	31,995,000
Water	1,970,000	2,185,000
Stormwater	1,315,000	2,855,000
	181,485,000	51,722,000
	233,207,000	

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

PROJECT	TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
ET0103	Tuttle Crossing Boulevard Extension-Wilcox Road to Avery Road / Avery Road Widening - Tuttle Crossing Blvd. to Rings Road East, phase 1 (TIF)								
	Architectural/Engineering fees	532,000	132,000	400,000					0
	Acquisition	1,913,000	13,000		1,900,000				1,900,000
	Construction	12,100,000					12,100,000		12,100,000
	Other Expenses (Utilities and Landscape)	1,040,000					1,040,000		1,040,000
	Total	15,585,000	145,000	400,000	1,900,000	0	13,140,000	0	15,040,000
NEW	Tuttle Crossing Boulevard Extension, phase 2 (TIF)								
	Architectural/Engineering fees	125,000				125,000			125,000
	Acquisition	0							0
	Construction	0							0
	Other Expenses (Landscape)	0							0
	Total	125,000	0	0	0	125,000	0	0	125,000
ET0104	Emerald Parkway, phase 8 (TIF) (Includes a portion of Riverside Drive realignment)								
	Architectural/Engineering fees	922,000	922,000						0
	Acquisition	4,071,000	4,071,000						0
	Construction	17,885,000	8,894,000	8,991,000					0
	Other Expenses (Landscape)	314,000		314,000					0
	Total	23,192,000	13,887,000	9,305,000	0	0	0	0	0
ET1119	Relocated Rings Road (Churchman Road)								
	Architectural/Engineering fees	236,000	236,000						0
	Acquisition	350,000		350,000					0
	Construction	2,250,000			2,250,000				2,250,000
	Other Expenses (Landscape)	150,000			150,000				150,000
	Total	2,986,000	236,000	350,000	2,400,000	0	0	0	2,400,000
ET1402	Avery Road Widening - Rings Road West to Woerner Temple (TIF) Phase 2								
	Architectural/Engineering fees	452,000	2,000	450,000					0
	Acquisition	637,000	172,000	165,000	300,000				300,000
	Construction	7,415,000					7,415,000		7,415,000
	Other expenses (Landscape and Utilities)	560,000					560,000		560,000
	Total	9,064,000	174,000	615,000	300,000	0	0	7,975,000	8,275,000
ET1301	West Innovation Park Infrastructure (Onsite)								
	Architectural/Engineering fees	214,000	214,000						0
	Acquisition	75,000		75,000					0
	Construction	1,450,000		1,450,000					0
	Other expenses (Landscape and Utilities and Fiber)	1,110,000		1,110,000					0
	Total	2,849,000	214,000	2,635,000	0	0	0	0	0
ET1403	Riverside Drive Realignment (TIF)								
	Architectural/Engineering fees	805,000	720,000	85,000					0
	Acquisition	8,270,000	8,230,000	40,000					0
	Construction	2,315,000		2,315,000					0
	Other expenses (Landscape and Utilities)	705,000		705,000					0
	Total	12,095,000	8,950,000	3,145,000	0	0	0	0	0
ET1405	John Shields Parkway, phase 1 (TIF)								
	Architectural/Engineering fees	125,000	115,000	10,000					0
	Acquisition	244,000	4,000	240,000					0
	Construction	1,245,000	1,150,000	95,000					0
	Other expenses	110,000	110,000						0
	Total	1,724,000	1,379,000	345,000	0	0	0	0	0

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

PROJECT		TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
ET1409	John Shields Parkway, phase 2 (TIF)									
	Architectural/Engineering fees	550,000	0	550,000						0
	Acquisition	4,615,000	4,580,000	35,000						0
	Construction	10,475,000		3,175,000	7,300,000					7,300,000
	Other expenses	305,000		305,000						0
	Total	15,945,000	4,580,000	4,065,000	7,300,000	0	0	0	0	7,300,000
ET1701	Dale Drive Rehabilitation (TIF)									
	Architectural/Engineering fees	400,000						400,000		400,000
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	Total	400,000	0	0	0	0	0	400,000	0	400,000
ET1527	Post Road Improvement (TIF)									
	Architectural/Engineering fees	400,000						400,000		400,000
	Acquisition	100,000							100,000	100,000
	Construction	0								0
	Other expenses (Landscape and Utilities)	0								0
	Total	500,000	0	0	0	0	0	400,000	100,000	500,000
ET1411	COTA Relocation (TIF)									
	Architectural/Engineering fees	256,000	131,000	125,000						0
	Acquisition	0								0
	Construction	850,000		850,000						0
	Other expenses (Landscape)	0								0
	Total	1,106,000	131,000	975,000	0	0	0	0	0	0
ET0606	Eiterman Road Relocation (TIF)									
	Architectural/Engineering fees	477,000	137,000		340,000					340,000
	Acquisition	0								0
	Construction	2,270,000					2,270,000			2,270,000
	Other expenses (Landscape and Utilities)	370,000					370,000			370,000
	Total	3,117,000	137,000	0	340,000	0	2,640,000	0	0	2,980,000
ET0003	US33/SR161/Post Road Interchange									
	Architectural/Engineering fees	3,383,000	3,183,000		200,000					200,000
	Acquisition	36,164,000	12,439,000						23,600,000	23,725,000
	Construction	886,000	886,000			125,000				0
	Other expenses (Utilities)	100,000							100,000	100,000
	Total	40,533,000	16,508,000	0	200,000	125,000	0	0	23,700,000	24,025,000
ET1515	Old Avery Road Relocation									
	Architectural/Engineering fees	200,000				100,000		100,000		200,000
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	Total	200,000	0	0	0	100,000	0	100,000	0	200,000
ET1517	Shier Rings Road-Avery Road to Eiterman									
	Architectural/Engineering fees	200,000				100,000		100,000		200,000
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	Total	200,000	0	0	0	100,000	0	100,000	0	200,000
ET1518	Hyland Croy and Post Preserve Roundabout (TIF)									
	Architectural/Engineering fees	225,000				225,000				225,000
	Acquisition	150,000					150,000			150,000
	Construction	1,500,000						1,500,000		1,500,000
	Other expenses (Landscape)	30,000						30,000		30,000
	Total	1,905,000	0	0	0	225,000	150,000	1,530,000	0	1,905,000

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

PROJECT		TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
ET1523	Perimeter Drive Widening - Holt Road to Commerce Parkway (TIF)									
	Architectural/Engineering fees	300,000							300,000	300,000
	Acquisition	0								0
	Construction	0								0
	Other expenses (Landscape and Utilities)	0								0
	Total	300,000	0	0	0	0	0	0	300,000	300,000
ET0902	Post Preserve Access Modification (TIF)									
	Architectural/Engineering fees	216,000	191,000	25,000						0
	Acquisition	0								0
	Construction	1,410,000			1,410,000					1,410,000
	Other expenses (Landscape and Utilities)	175,000			175,000					175,000
	Total	1,801,000	191,000	25,000	1,585,000	0	0	0	0	1,585,000
NEW	Emerald Parkway Bridge (Scioto) Deck Overlay									
	Architectural/Engineering fees	100,000						100,000		100,000
	Acquisition	0								0
	Construction	2,500,000							2,500,000	2,500,000
	Other expenses	0								0
	Total	2,600,000	0	0	0	0	0	100,000	2,500,000	2,600,000
NEW	Uncurbed Streets - Mid-Century Neighborhood									
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	0								0
	Other expenses	0								0
	Total	0	0	0	0	0	0	0	0	0
NEW	University Boulevard Extension, phase 2 (TIF)									
	Architectural/Engineering fees	260,000			260,000					260,000
	Acquisition	0								0
	Construction	1,725,000						1,725,000		1,725,000
	Other expenses	75,000						75,000		75,000
	Total	2,060,000	0	0	260,000	0	0	1,800,000	0	2,060,000
NEW	Riviera Hyland-Croy Connector									
	Architectural/Engineering fees	125,000				125,000				125,000
	Acquisition	150,000				150,000				150,000
	Construction	1,050,000					1,050,000			1,050,000
	Other expenses (Landscape and Utilities)	70,000					70,000			70,000
	Total	1,395,000	0	0	0	275,000	1,120,000	0	0	1,395,000
NEW	Bridge Park Roadway System (TIF)									
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	11,100,000		11,100,000						0
	Other expenses (Landscape and Utilities)	0								0
	Total	11,100,000	0	11,100,000	0	0	0	0	0	0
NEW	Bridge Street District Program Management									
	Architectural/Engineering fees	3,075,000	410,000	1,085,000	380,000		600,000	600,000		1,580,000
	Acquisition	0								0
	Construction	2,785,000	170,000	695,000	1,920,000					1,920,000
	Other expenses (Landscape and Utilities)	0								0
	Total	5,860,000	580,000	1,780,000	2,300,000	0	600,000	600,000	0	3,500,000

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

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

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

PROJECT		TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
ET0410	Avery-Mulfield/Perimeter Loop/Perimeter Drive (TIF)									
	Architectural/Engineering fees	1,496,000	646,000	850,000						0
	Acquisition	770,000	120,000					650,000		650,000
	Construction	9,813,000	2,313,000						7,500,000	7,500,000
	Other expenses (Landscape and Utilities)	369,000	119,000						250,000	250,000
	Total	12,448,000	3,198,000	850,000	0	0	0	650,000	7,750,000	8,400,000
ET0508	Riverside Drive/SR161 (TIF)									
	Architectural/Engineering fees	1,010,000	630,000	380,000						0
	Acquisition	5,905,000	5,360,000	545,000						0
	Construction	10,759,000	34,000	10,725,000						0
	Other expenses (Landscape and Utilities)	1,365,000	50,000	565,000	750,000					750,000
	Total	19,039,000	6,074,000	12,215,000	750,000	0	0	0	0	750,000
ET0605	Sawmill Road/Hard Road (TIF)									
	Architectural/Engineering fees	334,000	334,000							0
	Acquisition	347,000	347,000							0
	Construction	2,720,000		2,720,000						0
	Other expenses (Landscape)	10,000			10,000					10,000
	Total	3,411,000	681,000	2,720,000	10,000	0	0	0	0	10,000
NEW	Sawmill Road Third Southbound Lane Addition									
	Architectural/Engineering fees	675,000		75,000	600,000					600,000
	Acquisition	300,000					300,000			300,000
	Construction	4,500,000							4,500,000	4,500,000
	Other expenses (Landscape and Utilities)	375,000							375,000	375,000
	Total	5,850,000	0	75,000	600,000	0	300,000	0	4,875,000	5,775,000
NEW	Sawmill Road - Snouffer Road Intersection Improvements									
	Architectural/Engineering fees	125,000		125,000						0
	Acquisition	0								0
	Construction	0								0
	Other expenses (Landscape)	0								0
	Total	125,000	0	125,000	0	0	0	0	0	0
ET0809	Hyland Croy Road/McKittrick Road									
	Architectural/Engineering fees	180,000		180,000						0
	Acquisition	50,000		50,000						0
	Construction	1,200,000							1,200,000	1,200,000
	Other expenses (Landscape)	20,000							20,000	20,000
	Total	1,450,000	0	230,000	0	0	0	1,220,000	0	1,220,000
ET1401	I-270/US 33 Interchange Improvements, phase 1 (TIF)									
	Architectural/Engineering fees	5,817,000	5,817,000							0
	Acquisition	4,500,000	500,000	4,000,000						0
	Construction	10,363,000	1,183,000	9,180,000						0
	Other expenses (grant writing/landscape/art)	2,676,000	21,000	2,655,000						0
	Total	23,356,000	7,521,000	15,835,000	0	0	0	0	0	0
ET1525	I-270 AEP Overhead to Underground Crossing (TIF)									
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	1,105,000		1,105,000						0
	Other expenses	0								0
	Total	1,105,000	0	1,105,000	0	0	0	0	0	0
ET1102	US33/SR 161/Post Road Interchange Improvements (TIF)									
	Architectural/Engineering fees	173,000	173,000							0
	Acquisition	0								0
	Construction	2,395,000		2,395,000						0
	Other expenses (Landscape and Utilities)	185,000		185,000						0
	Total	2,753,000	173,000	2,580,000	0	0	0	0	0	0

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

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

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

PROJECT		TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
NEW	Riverside Drive East Shared Use Path									
	Architectural/Engineering fees	75,000			75,000					75,000
	Acquisition	0								0
	Construction	0								0
	Other expenses (Landscape)	0								0
	Total	75,000	0	0	75,000	0	0	0	0	75,000
NEW	Riverside Drive West Shared Use Path									
	Architectural/Engineering fees	0								0
	Acquisition	0								0
	Construction	0								0
	Other expenses (Landscape)	0								0
	Total	0	0	0	0	0	0	0	0	0
NEW	Rings Road Shared Use Path									
	Architectural/Engineering fees	30,000				30,000				30,000
	Acquisition	75,000					75,000			75,000
	Construction	210,000						210,000		210,000
	Other expenses (Landscape)	45,000						45,000		45,000
	Total	360,000	0	0	0	30,000	75,000	255,000	0	360,000
NEW	Concord Road Shared Use Path									
	Architectural/Engineering fees	80,000		80,000						0
	Acquisition	30,000			30,000					30,000
	Construction	260,000				260,000				260,000
	Other expenses (Landscape and Utilities)	25,000			5,000	20,000				25,000
	Total	395,000	0	80,000	35,000	280,000	0	0	0	315,000
	Total Transportation	255,017,000	67,867,000	107,705,000	31,525,000	10,430,000	7,560,000	20,615,000	47,815,000	117,945,000

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

PROJECT		TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
GR9901	Darree Fields Park Development									
	Architectural\Engineering fees	618,000	578,000		40,000					40,000
	Acquisition	552,000	552,000							0
	Construction	5,486,000	4,716,000	660,000	40,000	70,000				110,000
	Other expenses	75,000	75,000							0
	Total	6,731,000	5,921,000	660,000	80,000	70,000	0	0	0	150,000
GR9903	Amberleigh Community Park Development									
	Architectural\Engineering fees	259,000	184,000						75,000	75,000
	Acquisition	732,000	732,000							0
	Construction	1,717,000	1,717,000							0
	Other expenses	0	0							0
	Total	2,708,000	2,633,000	0	0	0	0	0	75,000	75,000
GR9904	Emerald Fields Park Development									
	Architectural\Engineering fees	250,000	195,000		55,000					55,000
	Acquisition	1,220,000	1,220,000							0
	Construction	3,970,000	3,745,000			225,000				225,000
	Other expenses	0	0							0
	Total	5,440,000	5,160,000	0	55,000	225,000	0	0	0	280,000
GR9902	Coffman Park Expansion									
	Architectural\Engineering fees	575,000	480,000		95,000					95,000
	Acquisition	0	0							0
	Construction	6,343,000	2,458,000	2,900,000		985,000				985,000
	Other expenses (Landscape)	62,000	62,000							0
	Total	6,980,000	3,000,000	2,900,000	95,000	985,000	0	0	0	1,080,000
GR1114	Holder-Wright Farm and Earthworks									
	Architectural\Engineering fees	230,000	130,000	100,000						0
	Acquisition	1,500,000	1,500,000							0
	Construction	1,418,000	293,000		1,125,000					1,125,000
	Other expenses	0	0							0
	Total	3,148,000	1,923,000	100,000	1,125,000	0	0	0	0	1,125,000
GR1302	Scioto River Pedestrian Bridge									
	Architectural\Engineering fees	2,503,000	3,000	2,500,000						0
	Acquisition	725,000	725,000							0
	Construction	19,210,000					19,210,000			19,210,000
	Other expenses	0	0							0
	Total	22,438,000	728,000	2,500,000	0	0	19,210,000	0	0	19,210,000
GR1303	Riverside Park									
	Architectural\Engineering fees	2,505,000		1,055,000	130,000	300,000	600,000	300,000	120,000	1,450,000
	Acquisition	2,400,000	2,400,000							0
	Construction	7,275,000		450,000	580,000	885,000	2,305,000	1,710,000	1,345,000	6,825,000
	Other expenses	0	0							0
	Total	12,180,000	2,400,000	1,505,000	710,000	1,185,000	2,905,000	2,010,000	1,465,000	8,275,000
AL1601	Parkland Acquisition									
	Acquisition	3,250,000		650,000	650,000	650,000	650,000	650,000	650,000	3,250,000
	Total	3,250,000	0	650,000	650,000	650,000	650,000	650,000	650,000	3,250,000
	Total Parks	62,875,000	21,765,000	8,315,000	2,715,000	3,115,000	22,765,000	2,660,000	2,190,000	33,445,000

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

PROJECT		TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
ES0701	Sewer Lining and Repair									
	Architectural\Engineering fees	0								0
	Acquisition	0								0
	Construction	10,501,000	6,901,000	2,100,000			1,500,000			1,500,000
	Other expenses	0								0
	Total	10,501,000	6,901,000	2,100,000	0	0	1,500,000	0	0	1,500,000
ES1602	Sewer Line Extensions									
	Architectural\Engineering fees	0								0
	Acquisition	0								0
	Construction	1,885,000				275,000	1,320,000	290,000	820,000	2,705,000
	Other expenses	0								0
	Total	1,885,000	0	0	0	275,000	1,320,000	290,000	820,000	2,705,000
NEW	Deer Run Sewer Upsizing									
	Architectural\Engineering fees	75,000		75,000						0
	Acquisition	30,000			30,000					30,000
	Construction	505,000			505,000					505,000
	Other expenses	0								0
	Total	610,000	0	75,000	535,000	0	0	0	0	535,000
EW1101	Rings Road Waterline (Churchman Road)									
	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
	Total	730,000	0	0	80,000	650,000	0	0	0	730,000
EW1601	Water Line Extensions									
	Architectural\Engineering fees	0								0
	Acquisition	0								0
	Construction	550,000					175,000	375,000	555,000	1,105,000
	Other expenses	0								0
	Total	550,000	0	0	0	0	175,000	375,000	555,000	1,105,000
NEW	Tuswell Drive Waterline									
	Architectural\Engineering fees	15,000			15,000					15,000
	Acquisition	0								0
	Construction	100,000				100,000				100,000
	Other expenses	20,000				20,000				20,000
	Total	135,000	0	0	15,000	120,000	0	0	0	135,000
EF0201	Stormwater Improvements									
	Architectural\Engineering fees	680,000	545,000			50,000	30,000	55,000	65,000	200,000
	Acquisition	57,000	32,000	25,000					30,000	30,000
	Construction	3,430,000	2,260,000	470,000			455,000	245,000	385,000	1,085,000
	Other expenses	0								0
	Total	4,167,000	2,837,000	495,000	0	50,000	485,000	300,000	480,000	1,315,000
	Total Utilities	18,578,000	9,738,000	2,670,000	630,000	1,095,000	3,480,000	965,000	1,855,000	8,025,000

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

PROJECT		TOTAL COST	PRIOR YEAR(S)	2015	2016	2017	2018	2019	2020	TOTAL 2016-2020
AB0601	Municipal Facilities									
	Architectural/Engineering fees	325,000		325,000						0
	Acquisition	0								0
	Construction	17,070,000		10,740,000	5,865,000	465,000				6,330,000
	Other expenses (Wayfinding)	125,000			50,000	75,000				125,000
	Total	17,520,000	0	11,065,000	5,915,000	540,000	0	0	0	6,455,000
	Total Facilities	17,520,000	0	11,065,000	5,915,000	540,000	0	0	0	6,455,000
AI1601	Computer Hardware/Software									
	Equipment	5,050,000		1,200,000	1,000,000	950,000	950,000	950,000	950,000	4,800,000
	Total	5,050,000	0	1,200,000	1,000,000	950,000	950,000	950,000	950,000	4,800,000
NEW	Next Gen 911 Upgrade									
	Equipment	675,000				675,000				675,000
	Total	675,000	0	0	0	675,000	0	0	0	675,000
EW1401	Allocation for Water Extensions									
	Other expenses	1,000,000		200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
	Total	1,000,000	0	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
ES1402	Allocation for Sewer Extensions									
	Other expenses	1,400,000		200,000	200,000	200,000	400,000	400,000	400,000	1,600,000
	Total	1,400,000	0	200,000	200,000	200,000	400,000	400,000	400,000	1,600,000
AV1601	Fleet Management Program									
	Vehicles	5,895,000		1,465,000	1,140,000	1,120,000	1,125,000	1,045,000	1,000,000	5,430,000
AV1603	Equipment	2,255,000		375,000	735,000	405,000	445,000	295,000	230,000	2,110,000
	Total	8,150,000	0	1,840,000	1,875,000	1,525,000	1,570,000	1,340,000	1,230,000	7,540,000
	Total Others	16,275,000	0	3,440,000	3,275,000	3,550,000	3,120,000	2,890,000	2,780,000	15,615,000
Grand Totals		\$370,265,000	\$99,370,000	\$133,195,000	\$44,060,000	\$18,730,000	\$36,925,000	\$27,130,000	\$54,640,000	\$181,485,000

8/7/2015

**2016 - 2020 Proposed Capital Improvements Program
Funding Sources for Major and Nonmajor Projects by Year**

Funding Sources	2016	2017	2018	2019	2020	Totals 2016 - 2020	Percent
Major projects:							
Total Cash/Income Tax Revenue	\$ 11,190,500	\$ 4,780,000	\$ 4,640,000	\$ 5,850,000	\$ 6,440,000	\$ 32,900,500	18.13%
Tax Increment Financing (TIF Fund)	5,080,000	3,015,000	700,000	7,020,000	100,000	15,915,000	8.77%
Tax Increment Financing (Advance):	900,000	275,000	1,120,000	3,900,000	300,000	6,495,000	3.58%
Debt (Income Tax Funded)	13,510,000	7,685,000	24,115,000	2,010,000	30,040,000	77,360,000	42.63%
Debt (TIF Funded)	9,640,000	-	2,640,000	-	15,725,000	28,005,000	15.43%
Debt (Utility Funded)	535,000	-	2,820,000	290,000	820,000	4,465,000	2.46%
Property taxes	650,000	650,000	650,000	650,000	650,000	3,250,000	1.79%
Utilities	120,000	1,520,000	225,000	375,000	565,000	2,805,000	1.55%
Other	2,434,500	805,000	15,000	7,035,000	-	10,289,500	5.67%
Total funding sources-Major projects	\$ 44,060,000	\$ 18,730,000	\$ 36,925,000	\$ 27,130,000	\$ 54,640,000	\$ 181,485,000	100.00%
Nonmajor projects:							
Total Cash/Income Tax Revenue	\$ 9,937,000	\$ 9,990,000	\$ 8,575,000	\$ 8,820,000	\$ 8,190,000	\$ 45,512,000	87.99%
Tax Increment Financing (TIF Fund)	205,000	-	40,000	450,000	150,000	845,000	1.63%
Debt (Utility Funded)	-	-	370,000	300,000	-	670,000	1.30%
Utilities	1,185,000	545,000	805,000	295,000	850,000	3,680,000	7.11%
Other	115,000	70,000	365,000	50,000	415,000	1,015,000	1.96%
Total funding sources-Nonmajor projects	\$ 11,442,000	\$ 10,605,000	\$ 10,155,000	\$ 9,915,000	\$ 9,605,000	\$ 51,722,000	100.00%
Total Funding Sources:							
Total Cash/Income Tax Revenue	\$ 21,127,500	\$ 14,770,000	\$ 13,215,000	\$ 14,670,000	\$ 14,630,000	\$ 78,412,500	33.62%
Tax Increment Financing (TIF Fund)	5,285,000	3,015,000	740,000	7,470,000	250,000	16,760,000	7.19%
Tax Increment Financing (Advance):	900,000	275,000	1,120,000	3,900,000	300,000	6,495,000	2.79%
Debt (Income Tax Funded)	13,510,000	7,685,000	24,115,000	2,010,000	30,040,000	77,360,000	33.17%
Debt (TIF Funded)	9,640,000	-	2,640,000	-	15,725,000	28,005,000	12.01%
Debt (Utility Funded)	535,000	-	3,190,000	590,000	820,000	5,135,000	2.20%
Property taxes	650,000	650,000	650,000	650,000	650,000	3,250,000	1.39%
Utilities	1,305,000	2,065,000	1,030,000	670,000	1,415,000	6,485,000	2.78%
Other	2,549,500	875,000	380,000	7,085,000	415,000	11,304,500	4.85%
Total Funding Sources	\$ 55,502,000	\$ 29,335,000	\$ 47,080,000	\$ 37,045,000	\$ 64,245,000	\$ 233,207,000	100.00%

**2016 - 2020 Proposed Capital Improvements Program
Funding Sources for Major Projects by Year**

Funding Sources	2016	2017	2018	2019	2020	Totals 2016-2020
Cash/Income Tax Revenue:						
Transportation -						
Hyland-Croy/McKittrick Road Roundabout	\$ -	\$ -	\$ -	\$ 1,220,000	\$ -	\$ 1,220,000
Bridge Street District Program Management	2,300,000	-	600,000	600,000	-	3,500,000
Old Avery Road Relocation	-	100,000	-	100,000	-	200,000
Shier Rings Road - Avery Road to Elterman Road	-	100,000	-	100,000	-	200,000
John Shields Parkway Bridge	-	-	-	-	550,000	550,000
Western Roadway Alignment Study	150,000	-	-	-	-	150,000
Wayfinding	705,000	130,000	125,000	95,000	65,000	1,120,000
Emerald Bridge Deck Overlay	-	-	-	100,000	2,500,000	2,600,000
Muirfield Drive/Memorial Drive	-	-	-	225,000	-	225,000
Sawmill Road - 3rd Southbound Lane Addition	600,000	-	300,000	-	-	900,000
Shared Use Path Connections	350,000	210,000	75,000	255,000	-	890,000
Total Transportation	\$ 4,105,000	\$ 540,000	\$ 1,100,000	\$ 2,695,000	\$ 3,115,000	\$ 11,555,000
Parks -						
Darree Fields	\$ 80,000	\$ 70,000	\$ -	\$ -	\$ -	\$ 150,000
Amberleigh Park	-	-	-	-	75,000	75,000
Emerald Fields (NE Quad Park)	55,000	225,000	-	-	-	280,000
Coffman Park expansion	95,000	985,000	-	-	-	1,080,000
Holder-Wright Earthworks	1,125,000	-	-	-	-	1,125,000
Total Parks	\$ 1,355,000	\$ 1,280,000	\$ -	\$ -	\$ 75,000	\$ 2,710,000
Utilities -						
Stormwater	\$ -	\$ 50,000	\$ 485,000	\$ 300,000	\$ 480,000	\$ 1,315,000
Total Utilities	\$ -	\$ 50,000	\$ 485,000	\$ 300,000	\$ 480,000	\$ 1,315,000
Facilities -						
Municipal Facilities	\$ 2,515,000	\$ 540,000	\$ -	\$ -	\$ -	\$ 3,055,000
Total Facilities	\$ 2,515,000	\$ 540,000	\$ -	\$ -	\$ -	\$ 3,055,000
Other Projects -						
Computer Hardware and Software	\$ 965,500	\$ 920,000	\$ 885,000	\$ 940,000	\$ 940,000	\$ 4,650,500
Fleet Management Program	1,850,000	1,050,000	1,570,000	1,315,000	1,230,000	7,015,000
Transfer to Water Fund (Allocation for Extensions)	200,000	200,000	200,000	200,000	200,000	1,000,000
Transfer to Sewer Fund (Allocation for Extensions)	200,000	200,000	400,000	400,000	400,000	1,600,000
Total Other Projects	\$ 3,215,500	\$ 2,370,000	\$ 3,055,000	\$ 2,855,000	\$ 2,770,000	\$ 14,265,500
Total Cash/Income Tax Revenue	\$ 11,190,500	\$ 4,780,000	\$ 4,640,000	\$ 5,850,000	\$ 6,440,000	\$ 32,900,500

**2016 - 2020 Proposed Capital Improvements Program
Funding Sources for Major Projects by Year**

Funding Sources	2016	2017	2018	2019	2020	Totals 2016-2020
Tax Increment Financing (TIF Funds):						
Transportation -						
Tuttle Crossing Blvd Ext - Wilcox Rd to Avery Rd	\$ 1,900,000	\$ -	\$ -	\$ 4,040,000	\$ -	\$ 5,940,000
Avery Road/Brand Road Roundabout	355,000	2,135,000	-	-	-	2,490,000
US33/SR161/Frantz Road Intersection	250,000	-	250,000	-	-	500,000
Dale Drive Rehabilitation	-	-	-	400,000	-	400,000
Avery-Muirfield/Perimeter Loop/Perimeter Drive	-	-	-	650,000	-	650,000
US 33/SR 161/Post Road Interchange	200,000	125,000	-	-	-	325,000
Sawmill Road/Hard Road Intersection	10,000	-	-	-	-	10,000
Hyland Croy/Post Preserve Roundabout	-	225,000	150,000	1,530,000	-	1,905,000
Tuttle Crossing Extension - Phase 2	-	125,000	-	-	-	125,000
Post Road Improvements	-	-	-	400,000	100,000	500,000
Post Preserve Access Modification	1,585,000	-	-	-	-	1,585,000
Riverside Drive/SR 161	750,000	-	-	-	-	750,000
SR 161/Hyland-Croy Road Temporary Intersection	-	-	300,000	-	-	300,000
Shared Use Path Connections - Rings Road	30,000	405,000	-	-	-	435,000
Total Transportation	\$ 5,080,000	\$ 3,015,000	\$ 700,000	\$ 7,020,000	\$ 100,000	\$ 15,915,000
Tax Increment Financing (Advance):						
Transportation-						
Tuttle Crossing Blvd Ext - Wilcox Rd to Avery Rd	\$ -	\$ -	\$ -	\$ 2,100,000	\$ -	\$ 2,100,000
Avery Road Widening (Woerner Temple Rd to Rings Rd East)	300,000	-	-	-	-	300,000
Eiterman Road Relocation	340,000	-	-	-	-	340,000
Perimeter Widening - Holt Road to Commerce Parkway	-	-	-	-	300,000	300,000
University Boulevard Extension - Phase 2	260,000	-	-	1,800,000	-	2,060,000
Hyland Croy Connector	-	275,000	1,120,000	-	-	1,395,000
Total Transportation	\$ 900,000	\$ 275,000	\$ 1,120,000	\$ 3,900,000	\$ 300,000	\$ 6,495,000
Total Tax Increment Financing	\$ 5,980,000	\$ 3,290,000	\$ 1,820,000	\$ 10,920,000	\$ 400,000	\$ 22,410,000

**2016 - 2020 Proposed Capital Improvements Program
Funding Sources for Major Projects by Year**

Funding Sources	2016	2017	2018	2019	2020	Totals 2016-2020
Debt:						
Income Tax Funded						
Transportation -						
CML Parking Garage	\$ -	\$ 6,500,000	\$ -	\$ -	\$ -	\$ 6,500,000
CML/Historic Dublin Street Network	9,400,000	-	-	-	-	9,400,000
North Riverview Rehabilitation	-	-	2,000,000	-	-	2,000,000
Sawmill Road - 3rd Southbound Lane Addition	-	-	-	-	4,875,000	4,875,000
US 33/SR 161/Post Road Interchange	-	-	-	-	23,700,000	23,700,000
Total Transportation	\$ 9,400,000	\$ 6,500,000	\$ 2,000,000	\$ -	\$ 28,575,000	\$ 46,475,000
Parks -						
Scioto River Pedestrian Bridge	\$ -	\$ -	\$ 19,210,000	\$ -	\$ -	\$ 19,210,000
Riverside Drive Park	710,000	1,185,000	2,905,000	2,010,000	1,465,000	8,275,000
Total Parks	\$ 710,000	\$ 1,185,000	\$ 22,115,000	\$ 2,010,000	\$ 1,465,000	\$ 27,485,000
Facilities -						
Building Renovations: Service Center	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ 3,400,000
Total Facilities	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -	\$ 3,400,000
Total Debt - Income Tax Funded	\$ 13,510,000	\$ 7,685,000	\$ 24,115,000	\$ 2,010,000	\$ 30,040,000	\$ 77,360,000
TIF Funded						
Transportation -						
Avery Road Widening (Woerner Temple Rd to Rings Rd East)	\$ -	\$ -	\$ -	\$ -	\$ 7,975,000	\$ 7,975,000
John Shields Parkway Phase II	7,300,000	-	-	-	-	7,300,000
Eiterman Road Relocation	-	-	2,640,000	-	-	2,640,000
Graham Street - Casto Tuller Flats	2,340,000	-	-	-	-	2,340,000
Avery-Muirfield/Perimeter Loop/Perimeter Drive	-	-	-	-	7,750,000	7,750,000
Total Transportation	\$ 9,640,000	\$ -	\$ 2,640,000	\$ -	\$ 15,725,000	\$ 28,005,000
Total Debt - TIF Funded	\$ 9,640,000	\$ -	\$ 2,640,000	\$ -	\$ 15,725,000	\$ 28,005,000
Utility Funded						
Sewer -						
Deer Run Sanitary Improvements	\$ 535,000	\$ -	\$ -	\$ -	\$ -	\$ 535,000
Sewer Extensions	-	-	2,820,000	290,000	820,000	3,930,000
Total Debt - Utility Funded	\$ 535,000	\$ -	\$ 2,820,000	\$ 290,000	\$ 820,000	\$ 4,465,000
Total Debt	\$ 23,685,000	\$ 7,685,000	\$ 29,575,000	\$ 2,300,000	\$ 46,585,000	\$ 109,830,000

**2016 - 2020 Proposed Capital Improvements Program
Funding Sources for Major Projects by Year**

Funding Sources	2016	2017	2018	2019	2020	Totals 2016-2020
Property Taxes:						
Parks -						
Parkland Acquisition	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 3,250,000
Total Property Taxes	\$ 650,000	\$ 3,250,000				
Utilities:						
Water -						
Tusswell Drive waterline	\$ 15,000	\$ 120,000	\$ -	\$ -	\$ -	\$ 135,000
Rings Road waterline	80,000	650,000	-	-	-	730,000
Water extensions	-	-	175,000	375,000	555,000	1,105,000
Total Water	\$ 95,000	\$ 770,000	\$ 175,000	\$ 375,000	\$ 555,000	\$ 1,970,000
Sewer -						
Sewer Extensions	-	275,000	-	-	-	275,000
Computer Hardware and Software	25,000	-	50,000	-	10,000	85,000
Fleet Management Program	-	475,000	-	-	-	475,000
Total Sewer	\$ 25,000	\$ 750,000	\$ 50,000	\$ -	\$ 10,000	\$ 835,000
Total Utilities	\$ 120,000	\$ 1,520,000	\$ 225,000	\$ 375,000	\$ 565,000	\$ 2,805,000
Other						
Transportation-						
Tuttle Crossing Blvd Ext - Wilcox Rd to Avery Rd	\$ -	\$ -	\$ -	\$ 7,000,000	\$ -	\$ 7,000,000
Relocated Rings (Churchman Road)	300,000	-	-	-	-	300,000
Relocated Rings (Churchman Road)	2,100,000	-	-	-	-	2,100,000
Total Transportation	\$ 2,400,000	\$ -	\$ -	\$ 7,000,000	\$ -	\$ 9,400,000
Other Projects -						
Fleet Management Program	\$ 25,000	\$ -	\$ -	\$ 25,000	\$ -	\$ 50,000
Computer Hardware and Software	9,500	30,000	15,000	10,000	-	64,500
Police - NextGen 911 Upgrade	-	675,000	-	-	-	675,000
Shared Use Path Connections - Concord Road	-	100,000	-	-	-	100,000
Total Other Projects	\$ 34,500	\$ 805,000	\$ 15,000	\$ 35,000	\$ -	\$ 889,500
Total Other	\$ 2,434,500	\$ 805,000	\$ 15,000	\$ 7,035,000	\$ -	\$ 10,289,500
Total 2016-2020 CIP	\$ 44,060,000	\$ 18,730,000	\$ 36,925,000	\$ 27,130,000	\$ 54,640,000	\$ 181,485,000

**2016 - 2020 Proposed Capital Improvements Program
Funding Sources for Nonmajor Projects by Year**

Funding Sources	2016	2017	2018	2019	2020	Totals 2016-2020
Cash / Income Tax Revenue:						
Administration	\$ 1,845,000	\$ 1,460,000	\$ 1,180,000	\$ 1,100,000	\$ 1,100,000	\$ 6,685,000
Parks and Recreation ¹	850,000	1,060,000	400,000	500,000	515,000	3,325,000
Police	662,000	245,000	20,000	-	-	927,000
Transportation	6,020,000	6,665,000	6,400,000	6,645,000	5,990,000	31,720,000
Stormwater	560,000	560,000	575,000	575,000	585,000	2,855,000
Total Cash / Income Tax Revenue	\$ 9,937,000	\$ 9,990,000	\$ 8,575,000	\$ 8,820,000	\$ 8,190,000	\$ 45,512,000
Tax Increment Financing (TIF Fund):						
Parks and Recreation	\$ -	\$ -	\$ 40,000	\$ 450,000	\$ 150,000	\$ 640,000
Transportation	205,000	-	-	-	-	205,000
Total Tax Increment Financing	\$ 205,000	\$ -	\$ 40,000	\$ 450,000	\$ 150,000	\$ 845,000
Other Funds:						
Administration - Hotel/Motel Tax	\$ 30,000	\$ 25,000	\$ -	\$ -	\$ -	\$ 55,000
Parks - Hotel/Motel Tax ¹	15,000	45,000	365,000	50,000	415,000	890,000
Parks - Cemetery ¹						-
Transportation - State Highway	70,000	-	-	-	-	70,000
Total Other funds	\$ 115,000	\$ 70,000	\$ 365,000	\$ 50,000	\$ 415,000	\$ 1,015,000
Utilities:						
Sewer	\$ 320,000	\$ 475,000	\$ 225,000	\$ 225,000	\$ 250,000	\$ 1,495,000
Sewer - Debt	-	-	370,000	300,000	-	670,000
Water	865,000	70,000	580,000	70,000	600,000	2,185,000
Total Utilities	\$ 1,185,000	\$ 545,000	\$ 1,175,000	\$ 595,000	\$ 850,000	\$ 4,350,000
Total 2016-2020 CIP						-
Less:						
Utilities	(1,185,000)	(545,000)	(1,175,000)	(595,000)	(850,000)	(4,350,000)
Total - Sources Other Than Utilities	10,257,000	10,060,000	8,980,000	9,320,000	8,755,000	47,372,000

2016 - 2020 Proposed Capital Improvements Program
 Recap of Recommended Projects, Cash Needs and Available Resources
 (Income tax supported - excludes other sources of revenue)

RECOMMENDED PROJECTS

Project Description	2016	2017	2018	2019	2020
Nonmajor Projects:					
Administration	\$ 1,875,000	\$ 1,485,000	\$ 1,180,000	\$ 1,100,000	\$ 1,100,000
Parks	865,000	1,105,000	805,000	1,000,000	1,080,000
Police	662,000	245,000	20,000	-	-
Transportation	6,295,000	6,665,000	6,400,000	6,645,000	5,990,000
Stormwater	560,000	560,000	575,000	575,000	585,000
Total Nonmajor	10,257,000	10,060,000	8,980,000	9,320,000	8,755,000
Major Projects:					
Administration:					
Computer Hardware/Software	1,000,000	950,000	950,000	950,000	950,000
Municipal Facilities	5,915,000	540,000	-	-	-
Fleet Management Program	1,875,000	1,525,000	1,570,000	1,340,000	1,230,000
Parks & Recreation:					
Darree Fields Development	80,000	70,000	-	-	-
Amerleigh Community Park	-	-	-	-	75,000
Emerald Fields (NE Quad Park)	55,000	225,000	-	-	-
Coffman Park Expansion	95,000	985,000	-	-	-
Holder-Wright Earthworks	1,125,000	-	-	-	-
Scioto River Pedestrian Bridge	-	-	19,210,000	-	-
Riverside Park	710,000	1,185,000	2,905,000	2,010,000	1,465,000
Water & Sewer					
Allocation for Water Extensions	200,000	200,000	200,000	200,000	200,000
Allocation for Sewer Extensions	200,000	200,000	400,000	400,000	400,000
Police:					
NextGen 911 Upgrade	-	675,000	-	-	-
Transportation:					
Tuttle Crossing Extension	1,900,000	-	-	13,140,000	-
Relocated Rings Road (Churchman Road)	2,400,000	-	-	-	-
Avery Road Widening (Rings Rd. West to Woerner Temple Rd.)	300,000	-	-	-	7,975,000
Dale Drive Rehabilitation	-	-	-	400,000	-
John Shields Parkway Phase II	7,300,000	-	-	-	-
COTA Relocation	-	-	-	-	-
Eiterman Road Relocation	340,000	-	2,640,000	-	-
Cosgray Road Improvements	-	-	-	-	-
Old Avery Road Relocation	-	100,000	-	100,000	-
Shier Rings Road - Avery to Eiterman Road	-	100,000	-	100,000	-
Perimeter Widening - Holt Road to Commerce Parkway	-	-	-	-	300,000
Emerald Parkway Bridge Overlay	-	-	-	100,000	2,500,000
Uncurbed Streets - Mid-Centruy Neighborhood	-	-	-	-	-
University Blvd. Extension - Phase 2	260,000	-	-	1,800,000	-
Hyland Croy Connector - Riviera	-	275,000	1,120,000	-	-
Bridge Street District Program Management	2,300,000	-	600,000	600,000	-
Graham Street, Tuller Flats Roadway Network	2,340,000	-	-	-	-
Historic Dublin CML Street Network	9,400,000	-	-	-	-
CML Parking Garage	-	6,500,000	-	-	-
John Shields Parkway Bridge	-	-	-	-	550,000
Western Roadway Alignment Study	150,000	-	-	-	-
North Riverview Rehabilitation	-	-	2,000,000	-	-
Intersection Improvements:	-	-	-	-	-
Wayfinding	705,000	130,000	125,000	95,000	65,000
Avery-Muirfield/Perimeter Loop/Perimeter Drive	-	-	-	650,000	7,750,000
Sawmill Road 3rd Southbound Lane Addition	600,000	-	300,000	-	4,875,000
Hyland-Croy/McKittrick Road	-	-	-	1,220,000	-
Murifield Drive/Memorial Drive Alternatives Analysis	-	-	-	225,000	-
33/161/Post Road Interchange	200,000	125,000	-	-	23,700,000
Multise Path Connections:					
Glick Road - Phase 3	240,000	-	-	-	-
Perimeter: Avery-Muirfield to Holt Road	-	-	-	-	-
Rings Road	30,000	405,000	-	-	-
Riverside Drive East	75,000	-	-	-	-
Shier Rings Road	-	30,000	75,000	255,000	-
Concord Road	35,000	280,000	-	-	-
Stormwater:					
Stormwater Improvements	-	50,000	485,000	300,000	480,000
Total Project Costs	\$ 50,087,000	\$ 24,610,000	\$ 41,560,000	\$ 33,205,000	\$ 61,270,000

2016 - 2020 Proposed Capital Improvements Program
 Recap of Recommended Projects, Cash Needs and Available Resources
 (Income tax supported - excludes other sources of revenue)

RECOMMENDED PROJECTS
AVAILABLE RESOURCES

Funding Source	2016	2017	2018	2019	2020
Available Reserves	\$ 5,500,000	\$ 406,151	\$ 2,583,572	\$ 1,363,193	\$ 923,570
Income Taxes - Cash Capital Allocation	8,328,500	8,220,000	8,343,300	8,468,450	8,595,476
Income Taxes - Surplus from Allocation for Debt	6,688,826	4,884,171	3,211,821	4,143,552	5,084,136
Property Tax Revenue (Inside Millage - .8 mills) - Reserved for Debt	1,600,000	1,600,000	-	-	-
Property Tax Revenue (Inside Millage - .6 mills)	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000
Repayment of advances from TIF Funds	1,418,500	1,683,500	1,148,500	998,500	1,602,000
Repayment of advances from Permissive Tax Fund	-	100,000	100,000	100,000	100,000
Interest Income-Capital Improvement Tax Fund	150,000	150,000	150,000	150,000	150,000
General Fund Advance to Capital Fund	-	-	-	-	-
Non-Major Project Funding					
Hotel/Motel Tax Fund (DAC Exterior Renovations)	30,000	25,000	-	-	-
Hotel/Motel Tax Fund (DAC Site Renovations - Parks)	-	30,000	350,000	35,000	400,000
Hotel/Motel Tax Fund (Public Art Maintenance-Administration)	15,000	15,000	15,000	15,000	15,000
TIF - Tuller (Tuller Flats Park)	-	-	40,000	420,000	-
TIF - Thomas/Kohler (IGS Park - Parks)	-	-	-	30,000	150,000
State Highway Fund - Bridge Street Eastbound School Flasher	70,000	-	-	-	-
TIF - Pizzutti (Bikepath Connections - Transportation)	205,000	-	-	-	-
Major Project Funding					
Debt (Income Tax) - Municipal Facilities	3,400,000	-	-	-	-
Debt (Income Tax) - Riverside Drive Park	710,000	1,185,000	2,905,000	2,010,000	1,465,000
Debt (Income Tax) - Scioto River Pedestrian Bridge	-	-	19,210,000	-	-
Debt (Income Tax) - North Riverview	-	-	2,000,000	-	-
Debt (Income Tax) - CML Street Network	9,400,000	-	-	-	-
Debt (Income Tax) - CML Parking Garage	-	6,500,000	-	-	-
Debt (Income Tax) - Sawmill Rd. 3rd Southbound Lane	-	-	-	-	4,875,000
Debt (TIF) - Eiterman Road Relocation	-	-	2,640,000	-	-
Debt (TIF) - Avery Rd Widening (Rings Rd West to Woerner Temple)	-	-	-	-	7,975,000
Debt (TIF) - John Shields Parkway Phase II	7,300,000	-	-	-	-
Debt (TIF) - Graham Street/Tuller Flats	2,340,000	-	-	-	-
Debt (TIF) - Avery/Perimeter Loop/Perimeter Drive	-	-	-	-	7,750,000
Debt (Property Tax/Income Tax) - 33/161/Post Road Interchange	-	-	-	-	23,700,000
General Fund Advance - Ohio University Blvd. Extension (Phase 2)	260,000	-	-	1,800,000	-
General Fund Advance - SR 161/Cosgray Road Roundabout (West Innovation)	-	-	-	-	-
General Fund Advance - Tuttle Crossing Extension	-	-	-	2,100,000	-
General Fund Advance - Eiterman Rd. Relocation	340,000	-	-	-	-
Hotel/Motel Fund - Fleet Management Program	25,000	-	-	25,000	-
Hotel/Motel Fund - Computer Hardware & Software	9,500	30,000	15,000	10,000	-
MORPC Attributable Funds - Tuttle Crossing Extension	-	-	-	7,000,000	-
Permissive Tax Funds - Relocated Rings (Churchman)	300,000	-	-	-	-
Sewer Fund - Computer Hardware & Software	25,000	-	50,000	-	10,000
Sewer Fund - Fleet Management Program	-	475,000	-	-	-
Township Contribution (Concord Road SUP)	-	100,000	-	-	-
TIF - Perimeter Center (Avery-Muirfield/Perimeter Loop/Perimeter Dr)	-	-	-	650,000	-
TIF - Rings/Frantz (Tuttle Crossing Extension)	1,900,000	-	-	4,040,000	-
TIF - Rings/Frantz (Rings Road SUP)	30,000	405,000	-	-	-
TIF - Thomas/Kohler (Avery Widening - Woerner Temple to Rings Rd. East)	300,000	-	-	-	-
TIF - Perimeter West (33/161/Post Road Interchange)	200,000	125,000	-	-	-
TIF - Vrabie (Dale Drive Rehab)	-	-	-	400,000	-
TIF - Perimeter Center (Perimeter SUP)	-	-	-	-	-
Wireless 911 Fund/Franklin Co. Reimbursement (NextGen Upgrade)	-	675,000	-	-	-
Total Available Resources	\$ 51,745,326	\$ 27,808,822	\$ 43,962,193	\$ 34,958,695	\$ 63,995,182
Total Project Costs	(50,087,000)	(24,610,000)	(41,560,000)	(33,205,000)	(61,270,000)
Contingencies (2.5% of Project Cost)	(1,252,175)	(615,250)	(1,039,000)	(830,125)	(1,531,750)
Balance	406,151	2,583,572	1,363,193	923,570	1,193,432
Additional General Fund Reserves	-	-	-	-	-
Available Reserves to Carry Forward	\$ 406,151	\$ 2,583,572	\$ 1,363,193	\$ 923,570	\$ 1,193,432

3-Resources

**2016– 2020
Proposed Capital Improvements Program**

Resources

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2016 - 2020 Proposed Capital Improvements Program Resources

Description	2016	2017	2018	2019	2020	Total
General Fund:						
Allocation from reserves	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Advance	600,000	-	-	3,900,000	-	4,500,000
Capital Improvements Tax Fund:						
Reserves	5,500,000	-	-	-	-	5,500,000
Interest income	150,000	150,000	150,000	150,000	150,000	750,000
Income tax revenue:						
Income tax-cash capital allocation	8,328,500	8,220,000	8,343,300	8,468,450	8,595,476	41,955,726
Income tax-surplus from debt allocation	6,688,826	4,884,171	3,211,821	4,143,552	5,084,136	24,012,506
Property tax revenue:						
Capital Improvements Tax Fund	2,800,000	2,800,000	1,200,000	1,200,000	1,200,000	9,200,000
Parkland Acquisition Fund	650,000	650,000	650,000	650,000	650,000	3,250,000
TIF Funds:						
Existing balances and service payments						
Rings/Frantz (Fund #433)	1,930,000	530,000	-	4,040,000	-	6,500,000
McKlrick (Fund #421)	750,000	-	-	-	-	750,000
Pizzutti (Fund #416)	205,000	-	-	-	-	205,000
Thomas/Kohler (Fund #419)	300,000	-	-	30,000	150,000	480,000
Perimeter Center (Fund #425)	-	-	-	650,000	-	650,000
Perimeter West (Fund #431)	1,785,000	350,000	450,000	1,930,000	100,000	4,615,000
Upper Metro (Fund #432)	250,000	-	250,000	-	-	500,000
Tuller (Fund #XXX)	-	-	40,000	420,000	-	460,000
Tartan West	355,000	2,135,000	-	-	-	2,490,000
Vrable	-	-	-	400,000	-	400,000
Lifetime Fitness	10,000	-	-	-	-	10,000
Repayment of outstanding advances	1,418,500	1,783,500	1,248,500	1,098,500	1,702,000	7,251,000
Debt:						
Income tax repayment	13,510,000	7,685,000	24,115,000	2,010,000	30,040,000	77,360,000
TIF repayment	9,640,000	-	2,640,000	-	15,725,000	28,005,000
Water Fund repayment	-	-	-	-	-	-
Sewer Fund repayment	535,000	-	3,190,000	590,000	820,000	5,135,000
Other Funds:						
Special Revenue Funds-						
State Highway Fund	70,000	-	-	-	-	70,000
Permissive Tax Fund	300,000	-	-	-	-	300,000
Hotel/Motel Tax Fund	79,500	100,000	380,000	85,000	415,000	1,059,500
Enterprise Funds-						
Water Fund	960,000	840,000	755,000	445,000	1,155,000	4,155,000
Sewer Fund	345,000	1,225,000	275,000	225,000	260,000	2,330,000
Other sources:						
Federal grants						
Grants	0	675,000	0	0	0	675,000
MORPC Attributable Funds	-	-	-	7,000,000	-	7,000,000
Other governmental revenues	-	100,000	-	-	-	100,000
Total Resources	57,160,326	32,127,671	46,898,621	37,435,502	66,046,612	239,668,732
Total Proposed Funded Projects						233,207,000
Contingencies for Income Tax Funded Projects						5,268,300
						238,475,300
Difference between Resources and Proposed Funded Projects						\$ 1,193,432
				Agrees with Recap of Recommended Projects, Cash Needs, and Available Resources		

City of Dublin
Estimated Resources Available For Capital Projects (Non-utilities)
For The Years 2016 Through 2020

Recap of Projected Reserves
For The Years 2016 Through 2020

Year-end 2015	5,500,000 ¹	
Year-end 2016	0 ²	
Year-end 2017	0 ²	
Year-end 2018	0 ²	
Year-end 2019	0 ²	
Year-end 2020	<u>0 ²</u>	5,500,000

Recap of Estimated Income Tax
Allocated For Cash Capital Projects
For The Years 2016 Through 2020

2016	8,328,500 ³	
2017	8,220,000 ³	
2018	8,343,300 ³	
2019	8,468,450 ³	
2020	<u>8,595,476 ³</u>	41,955,726

Recap of Surplus From Debt
Allocated Income Tax

2016	6,745,436 ⁴	
2017	4,829,781 ⁴	
2018	3,157,431 ⁴	
2019	4,089,162 ⁴	
2020	<u>5,001,346 ⁴</u>	23,823,156

Recap of Estimated Interest
Income for Capital Imp. Tax Fund

2016	150,000	
2017	150,000	
2018	150,000	
2019	150,000	
2020	<u>150,000</u>	750,000

Total Estimated Resources \$72,028,882

¹ Information from worksheet estimating reserves available at 12-31-15 (Current Year Fund Balance)

Does not include allocation from General Fund.

² Information from worksheets estimating future reserves that will be available.

³ Information from taken from the Income Tax Revenue Projections schedule included in the CIP.

⁴ Information taken from the Debt Service Payments Due schedule included in the CIP.

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

	2014	2015	2016	2017	2018	2019	2020
Income Tax Revenue*	\$88,068,530	\$83,285,000	\$83,285,000	\$82,200,000	\$83,433,000	\$84,684,495	\$85,954,762
Revenue for capital projects (25% of income tax revenue)	22,017,133	20,821,250	20,821,250	20,550,000	20,858,250	21,171,124	21,488,691
¹ Revenue available for cash capital projects	8,806,853	8,328,500	8,328,500	8,220,000	8,343,300	8,468,450	8,595,476
² Revenue available for debt financed projects	13,210,280	12,492,750	12,492,750	12,330,000	12,514,950	12,702,674	12,893,214
³ Recommended maximum amount of outstanding debt	\$ 113,414,918	\$ 101,928,472	\$ 75,886,156	\$ 54,335,034	\$ 35,521,099	\$ 46,003,073	56,265,139

* Income tax revenue for 2014 reflects actual collections.

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

2015 - Based on a <5.4%> decrease over 2014 actual collections; Original estimate reflected a <7.3%> decrease over 2014 actual collections

2016 - 0.0%

2017 - <1.3%>

2018 - 1.5%

2019 - 1.5%

2020 - 1.5%

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

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

Debt Issue	2014	2015	2016	2017	2018	2019	2020
Community Recreation Center Expansion (2018)	\$ 279,753	\$ 280,583	\$ 278,172	\$ 268,092	\$ 191,012	\$ -	\$ -
Scioto (Emerald Parkway) Bridge Construction (2017)	557,770	560,160	554,040	533,520	-	-	-
Avery-Mulfield/US 33 Interchange (2019)	575,050	574,750	574,250	575,775	577,000	575,700	-
Emerald Pkwy-Perimeter/Shier Rings (2019)	566,106	543,886	533,675	534,355	537,275	541,057	-
Service Complex expansion (2021)	278,219	276,257	276,530	276,598	275,233	274,107	277,758
Swimming Pool Construction (2025)	220,888	220,342	218,459	217,241	216,636	215,610	214,085
LED street lighting	265,600	266,250	261,850	261,775	266,550	261,850	265,825
BSD Land Acquisition for Roundabout (2019/2033)	371,581	395,213	391,738	393,263	392,413	393,788	392,800
<i>Justice Center Addition (2034) ¹</i>	-	150,000	740,000	740,000	740,000	740,000	740,000
<i>Riverside Dr/SR 161 Roundabout ¹</i>	-	165,000	821,400	821,400	821,400	821,400	821,400
<i>Bridge Park Street Network, Parking Structures ¹</i>	-	-	150,000	850,000	1,100,000	550,000	550,000
<i>Scioto River Pedestrian Bridge ²</i>	-	-	-	-	1,536,800	1,536,800	1,536,800
<i>North Riverview Rehabilitation ²</i>	-	-	-	-	160,000	160,000	160,000
<i>Riverside Drive Park ²</i>	-	-	-	600,000	600,000	600,000	600,000
<i>Service Center Addition ²</i>	-	-	251,600	251,600	251,600	251,600	251,600
<i>Parking Deck - CML Library ²</i>	-	-	-	481,000	481,000	481,000	481,000
<i>Roadway/Infrastructure - CML Library ²</i>	-	-	695,600	695,600	695,600	695,600	695,600
<i>Sawmill Road - 3rd Southbound Lane Addition ²</i>	-	-	-	-	-	-	390,000
<i>Reserved for US 33/SR 161/Post Interchange ²</i>	-	-	-	-	300,000	300,000	300,000
<i>Reserved for Eiterman Road Relocation ²</i>	-	-	-	-	215,000	215,000	215,000
Total	\$3,128,954	\$3,432,441	\$5,747,314	\$7,500,219	\$9,357,519	\$8,613,512	\$7,891,868
Income tax revenue available for debt retirement	\$ 13,210,280	\$ 12,492,750	\$ 12,492,750	\$ 12,330,000	\$ 12,514,950	\$ 12,702,674	\$ 12,893,214
Balance available ³	\$ 10,081,326	\$ 9,060,309	\$ 6,745,436	\$ 4,829,781	\$ 3,157,431	\$ 4,089,162	\$ 5,001,346
Amount of additional debt that could be supported ⁴	\$ 126,016,576	\$ 113,253,858	\$ 84,317,952	\$ 60,372,260	\$ 39,467,887	\$ 51,114,526	\$ 62,516,821
Recommended maximum amount of additional debt	\$ 113,414,918	\$ 101,928,472	\$ 75,886,156	\$ 54,335,034	\$ 35,521,099	\$ 46,003,073	\$ 56,265,139

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

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

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. 90% of amount of additional debt that could be supported is recommended.

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

Highlighted rows indicate anticipated future debt.

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

Debt Issue	2014	2015	2016	2017	2018	2019	2020
Service Payments							
Emerald Parkway-Phase 2 (2016) ¹	\$ 646,240	\$ 548,420	\$ 494,000	\$ -	\$ -	\$ -	\$ -
Rings Road Improvements (2020) ¹	270,479	269,358	274,081	274,890	276,874	279,391	281,181
Woerner-Temple Road (2020) ²	480,900	462,007	448,662	449,263	452,222	455,572	-
Perimeter Drive extension (2020) ¹	302,971	301,714	305,874	306,777	308,990	311,802	313,799
Emerald Parkway-Phase 7A (2020) ¹	156,048	155,400	155,678	156,137	157,264	158,695	159,711
Industrial Parkway/SR 161 Improvements ¹	666,753	661,631	660,031	658,356	657,106	665,206	667,144
Emerald Parkway-Phase 8 (2033) ¹	458,572	483,000	483,775	479,475	482,375	482,925	480,425
I-270/US 33/SR 161 Interchange-ROW (2023) ¹	1,035,813	1,038,075	1,035,475	1,037,725	1,036,100	1,037,825	1,033,075
I-270/US 33/SR 161 Interchange-Construction (2034) ¹	-	-	722,508	1,422,725	1,392,256	1,360,865	1,328,525
Emerald 8/Riverside Dr. Realignment (2034) ³	-	170,200	851,000	851,000	851,000	851,000	851,000
John Shields Parkway Phase II (2035) ³	-	-	840,000	840,000	840,000	840,000	840,000
Graham Street/Tuller Flats Roadway Network ³	-	-	173,160	173,160	173,160	173,160	173,160
Avery/Perimeter Loop/Perimeter Drive ⁴	-	-	-	-	-	-	320,000
Avery Road Widening (Rings Rd. West to Woerner Temple) ⁴	-	-	-	-	-	-	638,000
	\$ 4,017,776	\$ 4,089,805	\$ 6,444,244	\$ 6,649,508	\$ 6,627,347	\$ 6,616,441	\$ 7,086,020
Water and Sewer Funds							
Rings/Blazer Water Tower (2014)	\$ 356,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Upper Scioto West Branch (2018)	1,350,725	1,350,725	1,350,725	1,350,725	675,365	-	-
Darree Fields Water Tower (2029)	139,066	136,113	139,763	138,338	140,963	134,463	136,850
Dublin Road Water Tower (2032)	160,213	158,313	156,413	158,963	156,463	159,413	156,788
Sewer Line Repairs (2029)	153,578	150,825	149,325	152,825	150,200	148,625	150,738
Sewer Line Repairs (2032)	170,100	168,100	171,050	168,425	170,750	168,550	170,725
Sewer System Improvements ³	-	50,000	185,000	185,000	185,000	185,000	185,000
Sewer System Improvements ³	-	-	39,590	39,590	39,590	39,590	39,590
Sewer System Improvements ⁴	-	-	-	-	255,200	255,200	255,200
Sewer System Improvements ⁴	-	-	-	-	-	47,200	47,200
Sewer System Improvements ⁴	-	-	-	-	-	-	65,600
	\$ 2,330,122	\$ 2,014,076	\$ 2,191,866	\$ 2,193,866	\$ 1,773,531	\$ 1,138,041	\$ 1,207,691
Special Assessments							
Tuller Road (2014)	\$ 106,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Ballantrae Improvements (2021)	129,537	128,624	128,752	128,784	128,148	127,624	129,323
	\$ 235,937	\$ 128,624	\$ 128,752	\$ 128,784	\$ 128,148	\$ 127,624	\$ 129,323
Property Taxes (Inside millage)							
Parkland acquisition-Coffman Park (2020)	\$ 242,632	\$ 233,445	\$ 236,700	\$ 238,820	\$ 239,540	\$ 240,520	\$ 207,000
Metro Park contribution (2017)	385,000	385,000	385,000	385,000	-	-	-
Reserved for US 33/SR 161/Post Interchange ⁴	-	-	-	-	1,600,000	1,600,000	1,600,000
	\$ 627,632	\$ 618,445	\$ 621,700	\$ 623,820	\$ 1,839,540	\$ 1,840,520	\$ 1,807,000
Hotel/Motel Tax Revenues							
Arts Facility (2020)	\$ 161,889	\$ 161,217	\$ 162,254	\$ 162,734	\$ 163,909	\$ 165,400	\$ 166,460
Total	\$ 7,373,356	\$ 7,012,167	\$ 9,548,816	\$ 9,758,712	\$ 10,532,474	\$ 9,888,025	\$ 10,396,494

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/Capital Improvements Tax Fund and then repaid during the term of the TIF.

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

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

Highlighted rows indicate anticipated future debt.

**2016 - 2020 Proposed Capital Improvements Program
Debt Proceeds**

Proposed Project	2016	2017	2018	2019	2020
<u>Long-Term Bonds-Retired by Income Taxes</u>					
Service Center Renovations	\$ 3,400,000	\$ -	\$ -	\$ -	\$ -
CML Roadway Network	9,400,000	-	-	-	-
Riverside Drive Park	-	7,500,000	-	-	-
CML Parking Garage	-	6,500,000	-	-	-
Scioto River Pedestrian Bridge	-	-	19,210,000	-	-
North Riverview Rehabilitation	-	-	2,000,000	-	-
Sawmill Road 3rd Lane Addition	-	-	4,875,000	-	-
Eiterman Road Relocation	-	-	2,640,000	-	-
33/161/Post Road Interchange	-	-	-	-	3,700,000
Total - Retired by Income Taxes	\$ 12,800,000	\$ 14,000,000	\$ 28,725,000	\$ -	\$ 3,700,000
<u>Long-Term Bonds-Retired by Utility Revenues</u>					
Sewer lining and repairs (Sewer Fund)	\$ 535,000	\$ -	\$ 3,190,000	\$ 590,000	\$ 820,000
<u>Long-Term Bonds-Retired by TIF Revenues</u>					
John Shields Parkway Phase II	\$ 10,500,000	\$ -	\$ -	\$ -	\$ -
Graham Street/Tuller Flats Roadway System	2,340,000	-	-	-	-
Eiterman Road Relocation	-	-	2,640,000	-	-
Avery-Muirfield/Perimeter Loop/Perimeter Drive	-	-	-	-	4,000,000
Avery Road Widening (Rings Rd. West to Woerner Temple)	-	-	-	-	7,975,000
Total - Retired by TIF Revenues	\$ 12,840,000	\$ -	\$ 2,640,000	\$ -	\$ 11,975,000
<u>Long-Term Bonds-Retired by Property Tax Revenues</u>					
33/161/Post Road Interchange	\$ -	\$ -	\$ -	\$ -	\$ 20,000,000

**2016 - 2020 Proposed Capital Improvements Program
Property Tax Revenue-Inside Millage**

Millage 1.75
Assessed value \$2,003,415,640

Current distribution-

Parkland Acquisition Fund 0.35 mills
Capital Improvements Tax Fund¹ 0.8 mills Debt Funding
Capital Improvements Tax Fund² 0.6 mills Cash Funding

Funding allocation	2016	2017	2018	2019	2020
Parkland Acquisition Fund	\$ 700,000	\$ 700,000	\$ 700,000	\$ 700,000	\$ 700,000
Capital Improvements Tax Fund ¹	-	-	1,600,000	1,600,000	1,600,000
Capital Improvements Tax Fund ²	2,800,000	2,800,000	1,200,000	1,200,000	1,200,000
Total	\$ 3,500,000				

¹ These funds are reflected in the **Debt Service Payments Due** schedule and are currently identified as "Reserved" for the US 33/SR 161/Post Road Interchange project.

² Millage allocated for cash capital funding . The distribution will be reviewed as part of the 2016-2020 CIP Funding can still be used for Parkland Acquisition from the Capital Improvements Tax Fund.

2016 - 2020 Proposed Capital Improvements Program
Schedule of Service Payments to be Received from TIF Districts
Funds were originally advanced from the Capital Improvements Tax Fund

TIF Project	Balance at 12/31/2014	2015 Advances Repaid	Balance at 12/31/2015	2016 Advances Repaid	Balance at 12/31/2016	2017 Advances Repaid	Balance at 12/31/2017	2018 Advances Repaid	Balance at 12/31/2018	2019 Advances Repaid	Balance at 12/31/2019	2020 Advances Repaid	Balance at 12/31/2020
Thomas/Kohler TIF(1)	\$ 1,515,000	\$ -	\$ 1,515,000	\$ 1,000,000	\$ 515,000	\$ 515,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Thomas/Kohler TIF(1) - \$3 m	3,000,000	-	3,000,000	-	3,000,000	-	3,000,000	-	3,000,000	-	3,000,000	-	3,000,000
Perimeter West TIF	-	-	2,600,000	-	2,600,000	750,000	1,850,000	750,000	1,100,000	600,000	500,000	500,000	-
Rings/Frantz (Nationwide) TIF(2)	3,938,638	-	3,938,638	-	3,938,638	-	3,938,638	-	3,938,638	-	6,038,638	-	6,038,638
Historic Dublin TIF	363,500	70,000	293,500	70,000	223,500	70,000	153,500	50,000	103,500	50,000	53,500	53,500	-
Emerald-Phase 5(3)	1,095,340	-	1,095,340	-	1,095,340	-	1,095,340	-	1,095,340	-	1,095,340	-	1,095,340
Shamrock Blvd. TIF	1,702,500	-	1,702,500	-	1,702,500	-	1,702,500	-	1,702,500	-	1,702,500	50,000	1,652,500
Tartan West TIF(4)	8,162,000	-	8,162,000	-	8,162,000	-	8,162,000	-	8,162,000	-	8,162,000	650,000	7,512,000
Perimeter Center TIF	-	-	-	-	-	-	-	-	-	-	-	-	-
Ruscilli TIF	-	-	-	-	-	-	-	-	500,000	-	500,000	-	800,000
Perimeter Loop(5)	644,200	35,000	609,200	35,000	574,200	35,000	539,200	35,000	504,200	35,000	469,200	35,000	434,200
Lifetime Fitness TIF(6)	1,200,000	-	1,800,000	150,000	1,650,000	150,000	1,500,000	150,000	1,350,000	150,000	1,200,000	150,000	1,050,000
Irean Place TIF	46,437	3,500	42,937	3,500	39,437	3,500	35,937	3,500	32,437	3,500	28,937	3,500	25,437
River Ridge TIF(8)	2,593,000	-	2,593,000	-	2,593,000	-	2,593,000	-	2,593,000	-	2,593,000	-	2,593,000
Shamrock Crossing TIF(9)	1,387,900	60,000	1,327,900	60,000	1,267,900	60,000	1,207,900	60,000	1,147,900	60,000	1,087,900	60,000	1,027,900
Bridge and High TIF	3,997,150	100,000	3,897,150	100,000	3,797,150	100,000	3,697,150	100,000	3,597,150	100,000	3,497,150	100,000	3,397,150
Dublin Methodist Hospital TIF(10)	176,350	176,350	-	-	-	-	-	-	-	-	-	-	-
Frantz/Dublin Road TIF	228,560	-	228,560	-	228,560	-	228,560	-	228,560	-	228,560	-	228,560
Pizzuti TIF	1,950,000	-	1,950,000	-	1,950,000	-	1,950,000	-	1,950,000	-	1,950,000	-	1,950,000
Riviera TIF	-	-	-	-	-	-	300,000	-	1,420,000	-	1,420,000	-	1,420,000
Bridge Street TIF	5,425,000	-	5,425,000	-	5,865,000	-	5,865,000	-	5,865,000	-	5,865,000	-	5,865,000
OU TIF	1,010,000	-	1,015,000	-	1,275,000	-	1,275,000	-	1,275,000	-	3,075,000	-	3,075,000
Total	\$ 38,435,575	\$ 444,850	\$ 41,195,725	\$ 1,418,500	\$ 40,477,225	\$ 1,683,500	\$ 39,093,725	\$ 1,148,500	\$ 39,565,225	\$ 998,500	\$ 42,466,725	\$ 1,602,000	\$ 41,164,725

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

	2015	2016	2017	2018	2019	2020
Revenues:						
User charges	\$ 430,000	\$ 621,614	\$ 627,653	\$ 633,692	\$ 638,121	\$ 642,550
Tap fees	250,000	283,500	283,500	207,900	207,900	207,900
Interest	90,920	184,025	177,705	172,929	175,569	182,764
Fire hydrant permits	2,600	1,000	1,000	1,000	1,000	1,000
	<u>773,520</u>	<u>1,090,138</u>	<u>1,089,858</u>	<u>1,015,522</u>	<u>1,022,590</u>	<u>1,034,214</u>
Expenses:						
Salaries/wages	122,785	127,696	132,804	138,116	143,641	149,387
Benefits/uniforms	45,900	47,736	49,645	51,631	53,697	55,844
Utilities	155,000	161,200	167,648	174,354	181,328	188,581
Contract services	207,550	50,000	50,000	50,000	50,000	50,000
Hydrant maintenance	51,600	53,664	55,811	58,043	60,365	62,779
Other	-	15,000	15,000	15,000	15,000	15,000
	<u>582,835</u>	<u>455,296</u>	<u>470,908</u>	<u>487,145</u>	<u>504,030</u>	<u>521,592</u>
Capital expenditures	561,000	960,000	840,000	755,000	445,000	1,155,000
Debt service:						
2009 issue	136,113	139,763	138,338	140,963	134,463	136,850
2012 issue	158,313	156,413	158,963	156,463	159,413	156,788
	<u>294,426</u>	<u>296,176</u>	<u>297,301</u>	<u>297,426</u>	<u>293,876</u>	<u>293,638</u>
Net cash (required) provided	(664,742)	(621,334)	(518,352)	(524,048)	(220,316)	(936,016)
Advances-out	-	-	-	-	-	-
Advances-in	-	-	-	500,000	500,000	400,000
Transfers-out	-	-	-	-	-	-
Transfers-in	217,833	200,000	200,000	200,000	200,000	200,000
Beginning balance	<u>12,715,222</u>	<u>12,268,314</u>	<u>11,846,980</u>	<u>11,528,629</u>	<u>11,704,581</u>	<u>12,184,264</u>
Ending balance	<u>\$12,268,314</u>	<u>\$11,846,980</u>	<u>\$11,528,629</u>	<u>\$11,704,581</u>	<u>\$12,184,264</u>	<u>\$11,848,248</u>

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

	2015	2016	2017	2018	2019	2020
Revenues:						
User charges	\$ 1,797,068	\$ 1,894,860	\$ 1,959,161	\$ 1,982,624	\$ 1,999,830	\$ 2,017,036
Tap fees	243,100	331,500	331,500	243,100	243,100	243,100
Interest	43,000	46,726	38,170	21,003	18,594	22,266
Other	-	-	-	-	-	-
Bond Proceeds/Other Proceeds	-	-	-	-	-	-
Income tax subsidy	-	-	-	-	-	-
	<u>2,083,169</u>	<u>2,273,087</u>	<u>2,328,830</u>	<u>2,246,726</u>	<u>2,261,525</u>	<u>2,282,402</u>
Expenses:						
Salaries/wages	608,175	632,502	657,802	684,114	711,479	739,938
Benefits/uniforms	255,315	265,528	276,149	287,195	298,682	310,630
Utilities	-	-	-	-	-	-
Contract services	2,600	50,000	50,000	50,000	50,000	50,000
Repairs/maintenance	398,050	150,000	150,000	150,000	150,000	150,000
Other	-	15,000	15,000	15,000	15,000	15,000
	<u>1,264,140</u>	<u>1,113,030</u>	<u>1,148,951</u>	<u>1,186,309</u>	<u>1,225,161</u>	<u>1,265,568</u>
Capital expenditures (cash funded only)	426,000	320,000	1,200,000	225,000	225,000	250,000
Debt service:						
USWBI	1,350,721	1,350,721	1,350,721	675,560	-	-
2009 issue	150,825	149,325	152,825	150,200	148,625	150,738
2012 issue ¹	168,100	171,050	168,425	170,750	168,550	170,725
2015 issue	50,000	185,000	185,000	185,000	185,000	185,000
2016 issue	-	39,590	39,590	39,590	39,590	39,590
2018 issue	-	-	-	255,200	255,200	255,200
2019 issue	-	-	-	-	47,200	47,200
2020 issue	-	-	-	-	-	65,600
	<u>1,719,646</u>	<u>1,895,686</u>	<u>1,896,561</u>	<u>1,476,300</u>	<u>844,165</u>	<u>914,053</u>
Net cash (required) provided	(1,326,618)	(1,055,629)	(1,916,681)	(640,883)	(32,802)	(147,218)
Advances-out	-	-	-	-	-	-
Advances-in	-	-	-	-	-	-
Transfers-out	-	-	-	-	-	-
Transfers-in	200,000	200,000	200,000	400,000	400,000	400,000
Beginning balance	<u>5,799,203</u>	<u>4,672,585</u>	<u>3,816,957</u>	<u>2,100,274</u>	<u>1,859,391</u>	<u>2,226,590</u>
Ending balance	<u>\$ 4,672,585</u>	<u>\$ 3,816,957</u>	<u>\$ 2,100,274</u>	<u>\$ 1,859,391</u>	<u>\$ 2,226,590</u>	<u>\$ 2,479,372</u>

**2016 - 2020 Proposed Capital Improvements Program
Intergovernmental Revenue**

Description	2016	2017	2018	2019	2020
Other Government Funding					
Concord Township (Concord Road Shared Use Path)	\$ -	\$ 100,000	\$ -	\$ -	\$ -
MORPC Attributable Funds (Avery Road Widening)	-	-	-	7,000,000	-
Franklin County 911 Reimbursement/Wireless 911 Fund (NextGen 911 Upgrade)	-	675,000	-	-	-
Total Intergovernmental Funding	\$ -	\$ 775,000	\$ -	\$ 7,000,000	\$ -

**2016 - 2020 Proposed Capital Improvements Program
Permissive Tax Revenue**

\$5 Permissive Tax Fund Held By Franklin County

Description	2015	2016	2017	2018	2019	2020
Beginning Balance	\$ 428,220	\$ 168,220	\$ 308,220	\$ 448,220	\$ 588,220	\$ 728,220
Estimated (Actual) Revenue	140,000	140,000	140,000	140,000	140,000	140,000
Total Resources	568,220	308,220	448,220	588,220	728,220	868,220
Estimated Expenditures (1)	400,000	-	-	-	-	-
Ending Balance	\$ 168,220	\$ 308,220	\$ 448,220	\$ 588,220	\$ 728,220	\$ 868,220

(1) 2015 Funding: \$400,000 for the Avery-Muirfield/Tulleymore/Valley Stream/Avery Road intersection project

Permissive Tax Fund (Fund 216) Held By Dublin

Description	2015	2016	2017	2018	2019	2020
Beginning Balance	\$ 666,322	\$ 238,306	\$ 48,306	\$ 58,306	\$ 68,306	\$ 78,306
Advance	-	2,100,000				
Estimated Revenue (1)	110,000	110,000	110,000	110,000	110,000	110,000
Total Resources	776,322.30	2,448,306.30	158,306.30	168,306.30	178,306.30	188,306.30
Repayment of Advance	-		100,000	100,000	100,000	100,000
Estimated Expenditures (2)	538,016	2,400,000	-	-	-	-
Ending Balance	\$ 238,306	\$ 48,306	\$ 58,306	\$ 68,306	\$ 78,306	\$ 88,306

(1) 50% Permissive Tax Fee and Interest Income

(2) The City's obligation to "repay" to Franklin County Dublin's share of Tuttle widening project.
Amount to be repaid is \$1,000,000 (\$167,000 per year from 2010 - 2015).

2015 Funding: \$350,000 for Relocated Rings Road (Churchman Road)
2016 Funding: \$2,400,000 for Relocated Rings Road (Churchman Road)
2017 Funding: \$100,000 for Relocated Rings Road (Churchman Road)

Note: Any shortage that occurs in either of the above will be off-set with income tax revenues or the above available funds.

4-City Manager

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

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

AL1601	Land Acquisition	0	500	500	500	500	500	500	2,500	0	2,500
AA1601	Contingencies	0	225	225	225	225	225	225	1,125	0	1,125
8/7/2015	TOTAL	0	725	725	725	725	725	725	3,625	0	3,625
	TOTAL (Prior Year 2015-2019)	0	725	725	725	725	725	n/a		0	3,625
	Percentage Change	0%	0%	0%	0%	0%	0%	n/a		0%	0%

CITY MANAGER'S OFFICE / MAJOR PROJECTS

AL1602	Parkland Acquisition	0	650	650	650	650	650	650	3,250	0	3,250
EW1401	Allocation for Water Extensions	0	200	200	200	200	200	200	1,000	0	1,000
ES1402	Allocation for Sewer Extensions	0	200	200	200	400	400	400	1,600	0	1,600
8/7/2015	TOTAL	0	1,050	1,050	1,050	1,250	1,250	1,250	5,850	0	5,850
	TOTAL (Prior Year 2015-2019)	0	1,050	1,050	1,050	1,050	1,050	n/a		0	5,250
	Percentage Change	0%	0%	0%	0%	19%	19%	n/a		0%	11%

-  - Projected increase
-  - Projected decrease
-  - Shift in project year
-  - New Project



2016 - 2020 Capital Improvements Program

Office of the City Manager - Non-Major Projects

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

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



2016 - 2020 Capital Improvements Program

City Manager's Office – Major Projects

Parkland Acquisition (Project #AL1602)

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

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

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

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

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

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



2016 - 2020 Capital Improvements Program

City Manager's Office – Major Projects

Allocation for Water Extensions (Project #EW1401)

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

Allocation for Sewer Extensions (Project #ES1402)

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

5-Parks and Recreation Non-Major

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

PROJECT NO.	DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
PARKS & RECREATION / NONMAJOR PROJECTS											
AR1601	Park Renovations / Improvements	0	640	615	400	400	400	400	2,215	0	2,215
AB1602	Public Art Maintenance	0	10	15	15	15	15	15	75	0	75
GR1011	Llewellyn Farms South Park	0	0	0	0	0	100	0	100	0	100
GR1113	IGS Park (TIF)	161	0	0	0	0	30	150	180	0	180
GR1201	Dublin Arts Council Site Renovations	108	250	0	30	350	35	400	815	725	1,540
GR1403	Outdoor Exercise Equipment	39	0	20	0	0	0	0	20	0	20
GR1404	Obstacle Course	0	255	0	0	0	0	0	0	0	0
GR1115	DCPN (North Pool)	795	0	75	660	0	0	0	735	0	735
NEW	Barronsmore Mound (Ballantrae)	0	0	0	0	0	0	115	115	0	115
NEW	Post Road Bike Path Bridge	0	0	140	0	0	0	0	140	0	140
NEW	Tuller Flats	0	0	0	0	40	420	0	460	0	460
8/7/2015	TOTAL	1,103	900	865	1,105	805	1,000	1,080	4,855	725	5,580
	TOTAL (Prior Year 2015-2019)	651	1,105	970	795	855	885	n/a		855	5,465
	Percentage Change	69%	-19%	-11%	39%	-6%	13%	n/a		-15%	2%

- Projected increase
- Projected decrease
- Shift in project year
- New Project

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2015-2019

PROJECT NO.	DESCRIPTION	PRIOR YEARS (\$000)	2014	2015	2016	2017	2018	2019	TOTAL 15-19	BEYOND 2019	TOTAL TO BE BUDGETED
PARKS & RECREATION / NONMAJOR PROJECTS											
AR1501	Park Renovations / Improvements	0	630	640	650	650	650	650	3,240	0	3,240
GR1011	Llewellyn Farms South Park	0	0	0	0	100	0	0	100	0	100
GR1113	IGS Park (TIF)	161	0	0	0	30	150	0	180	0	180
GR1201	Dublin Arts Council Site Renovations	100	15	250	0	0	0	0	250	725	975
GR1401	Wallace Tract	0	0	0	300	0	0	120	420	0	420
GR1402	Brandon Pond Fishing Pier	0	55	0	0	0	0	0	0	0	0
GR1403	Outdoor Exercise Equipment	0	35	0	20	0	0	0	20	0	20
GR1404	Obstacle Course	0	40	215	0	0	0	0	215	0	215
NEW	Sycamore Ridge Park	0	0	0	0	15	0	0	15	130	145
GR1115	DCPN (North Pool)	390	0	0	0	0	55	115	170	0	170
8/7/2014	TOTAL	651	775	1,105	970	795	855	885	4,610	855	5,465



2016 - 2020 Capital Improvements Program

Parks and Recreation - Non-Major Projects

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

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



2016 - 2020 Capital Improvements Program

Parks and Recreation - Non-Major Projects

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

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

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Parks and Recreation - Non-Major Projects

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

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

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

6-Parks and Recreation Major

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

PROJECT NO.	DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
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PARKS & RECREATION / MAJOR PROJECTS

GR9901	Darree Fields Development	5,921	660	80	70	0	0	0	150	1,215	1,365
GR9903	Amberleigh Community Park	2,633	0	0	0	0	0	75	75	600	675
GR9904	Emerald Fields (N.E. Quad Park)	5,160	0	55	225	0	0	0	280	0	280
GR9902	Coffman Park Expansion	3,000	2,900	95	985	0	0	0	1,080	2,500	3,580
GR1114	Holder-Wright Farm and Earthworks	1,923	100	1,125	0	0	0	0	1,125	2,035	3,160
GR1302	Scioto River Pedestrian Bridge	728	2,500	0	0	19,210	0	0	19,210	0	19,210
GR1303	Riverside Park	2,400	1,505	710	1,185	2,905	2,010	1,465	8,275	1,325	9,600
8/7/2015	TOTAL	21,765	7,665	2,065	2,465	22,115	2,010	1,540	30,195	7,675	37,870
	TOTAL (Prior Year 2015-2019)	21,173	6,790	19,435	7,140	7,440	1,555	n/a		5,940	48,300
	Percentage Change	3%	13%	-89%	-65%	197%	29%	n/a		29%	-22%

- Projected increase
- Projected decrease
- Shift in project year
- New Project

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2015-2019

PROJECT NO.	DESCRIPTION	PRIOR YEARS (\$000)	2014	2015	2016	2017	2018	2019	TOTAL 15-19	BEYOND 2019	TOTAL TO BE BUDGETED
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PARKS & RECREATION / MAJOR PROJECTS

GR9901	Darree Fields Development	5,927	65	660	0	0	120	1,400	2,180	1,005	3,185
GR9903	Amberleigh Community Park	2,290	320	0	0	0	0	75	75	600	675
GR9904	Emerald Fields (N.E. Quad Park)	5,160	0	0	0	340	275	0	615	0	615
GR9902	Coffman Park Expansion	2,771	95	2,900	0	100	1,345	0	4,345	2,300	6,645
GR1114	Holder-Wright Earthworks	1,900	0	180	1,335	0	0	80	1,595	2,035	3,630
GR1302	Scioto River Pedestrian Bridge	725	0	2,500	15,000	0	0	0	17,500	0	17,500
GR1303	Riverside Park	2,400	235	550	3,100	6,700	5,700	0	16,050	0	16,050
8/7/2014	TOTAL	21,173	715	6,790	19,435	7,140	7,440	1,555	42,360	5,940	48,300



2016 - 2020 Capital Improvements Program

Parks – Major Projects

Darree Fields Development (Project #GR9901)

This project includes the development of the park in accordance with the completed Master Plan. Funds in 2015 provide for construction of a 119-car parking lot expansion, re-grading approximately one and one half soccer fields, and all associated storm water related improvements. Funds programmed in 2016 provide for design of a Miracle League shade structure to be constructed in 2017. 2016 also provides funding for a shade structure at the dog park. Funding beyond 2020 provides for two additional ball field & lighting with associated walks, parking lot, site furnishings and associated landscaping.

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



2016 - 2020 Capital Improvements Program

Parks – Major Projects

Amberleigh Community Park (Project #GR9903)

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

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

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

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



2016 - 2020 Capital Improvements Program

Parks – Major Projects

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

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

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

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



2016 - 2020 Capital Improvements Program

Parks – Major Projects

Coffman Park Expansion (Project #GR9902)

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

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

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



2016 - 2020 Capital Improvements Program

Parks – Major Projects

Holder-Wright Farm and Earthworks (Project #GR1114)

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

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

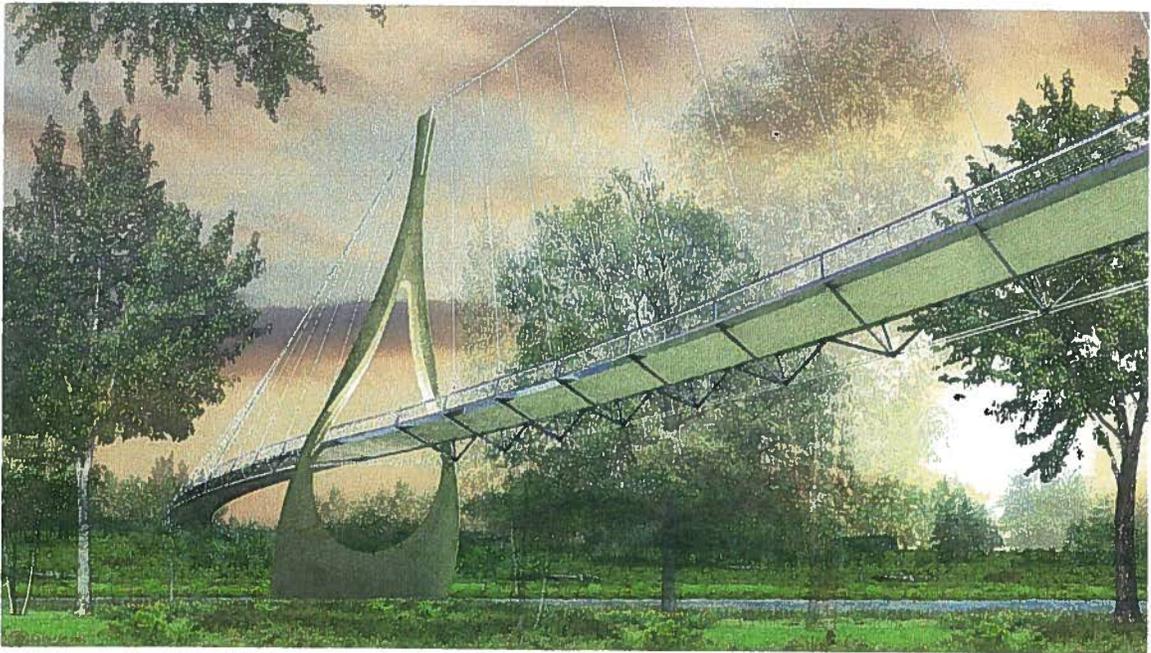
2016 - 2020 Capital Improvements Program

Parks – Major Projects

Scioto River Pedestrian Bridge (Project #GR1302)

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

Design is programmed in 2015 and construction funding is programmed in 2018.



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



2016 - 2020 Capital Improvements Program

Parks – Major Projects

Riverside Park (Project #GR1303)

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

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

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

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

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

7-Information Technology

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

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

AB0802	Technology Improvements - Dublin	0	120	120	120	120	120	120	600	120	720
AB1402	Dublin/Ignite	0	350	375	250	125	125	125	1,000	300	1,300
8/7/2015	TOTAL	0	470	495	370	245	245	245	1,600	420	2,020
	TOTAL (Prior Year 2015-2019)	0	470	495	370	245	245	n/a		420	2,350
	Percentage Change	0%	0%	0%	0%	0%	0%	n/a		0%	-14%

INFORMATION TECHNOLOGY / MAJOR PROJECTS

AI1601	Computer Hardware/Software	0	1,200	1,000	950	950	950	950	4,800	0	4,800
8/7/2015	TOTAL	0	1,200	1,000	950	950	950	950	4,800	0	4,800
	TOTAL (Prior Year 2015-2019)	0	1,200	1,100	1,100	1,070	1,035	n/a		0	5,505
	Percentage Change	0%	0%	-9%	-14%	-11%	-8%	n/a		0%	-13%

-  - Projected increase
-  - Projected decrease
-  - Shift in project year
-  - New Project



2016 - 2020 Capital Improvements Program

Information Technology - Non-Major Projects

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

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



2016 - 2020 Capital Improvements Program

Information Technology – Major Projects

Computer Hardware and Software (Project #AI1601)

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

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



Dept / Div	2016	2017
Citywide	Cityworks Work Order/Service Request enhancements \$15,000 Enhance Document Imaging Upgrade to RIO \$24,000 Collaboration Technology \$50,000 Adobe Acrobat Licenses \$10,000 Clarity Soft Contact Mgt Enhancements \$5,000 Citywide WiFi/Broadband enhanced utilization \$35,000 Network Management/security upgrade \$25,000 Network connectivity-(water towers/traffic signals, other) \$45,000 Server upgrades to virtual and storage upgrades \$35,000 Virtual Desktops/mobiles/voice \$25,000 Security cameras \$10,000 Camera Recording Solution \$40,000 PC's operating systems/office suite/Email \$0 Network Storage Upgrades \$40,000 Infrastructure Changes for regional agencies \$10,000 Communications (Monitors/Licenses for supporting appli \$15,000 GIS Enhancement/data warehousing \$25,000 Aerial Photos \$40,000 Mobile Smartphone/Tablet Applications \$10,000 PC replacement \$75,000 Printers \$65,000 Monitors, cabling, computer peripheral equipment \$50,000 Mobile Devices to enable workforce mobility \$50,000 Mobile Device Replacements \$40,000 Conference Room Equipment \$10,000 Misc. hardware/software \$25,000	Cityworks Work Order/Service Request Enhancer \$5,000 Document Scanning/Mgt Enhancements \$7,500 IVR Enhancements \$10,000 Adobe Acrobat Licenses \$10,000 Citywide WiFi/Broadband enhanced utilization \$35,000 Network Management/security upgrade \$25,000 Network connection-water towers/traffic signals \$45,000 Server upgrades to virtual and storage upgrades \$35,000 Virtual Desktops/mobiles/voice \$25,000 Security cameras \$5,000 Network Storage Upgrades \$40,000 Infrastructure Changes for regional agencies \$10,000 Communications (monitors/licenses) \$20,000 GIS Enhancement/data warehousing \$25,000 Aerial Photos \$50,000 Mobile Smartphone/Tablet Applications \$10,000 PC replacement \$75,000 Printers \$50,000 Monitors, cabling, additional phone equipment \$15,000 Mobile Devices to enable workforce mobility \$50,000 Mobile Device Replacements \$50,000 Conference Room Equipment \$10,000 Misc. hardware/software \$25,000
OCM		
Court Services	Court Technology Enhancements \$2,500	Records Mgmt enhancement \$10,000
Community Rel	Internet/Intranet/Community Rel systems \$10,000	Enhance Internet/Intranet/CR \$15,000
Human Res	Enhancements to HR ERP System \$10,000 Training Technology \$7,500	HR management system enhancements \$10,000 Training Technology \$15,000
Bldg Stds	Eplan Utilization/Enhancements/ Plan review Monitors \$20,000 Field Printers for Inspectors x 7 \$2,500 Customer Service Web Expansion \$20,000 BP Mobile Licenses x 5 \$7,000	Eplan Utilization/Enhancements/ Plan review Mo \$7,500 Permitting/Inspection/Review system \$75,000 Front Lobby Expansion Hardware/Cabling \$10,000
Economic Dev	Turning Point/Presentation Devices \$1,500	
Planning	Eplan Utilization/Enhancements \$10,000 Monitors:Standardize for use with Eplan x 15 \$20,000 Customer Service/Web Services Enhancements \$10,000 PEZ/Avolve Workflow License And Laserfisha Connecto \$15,000 Code Enforcement Field Printers x 5 \$1,500	Eplan Utilization/Enhancements \$20,000 Customer Service/Web Services Enhancements \$10,000
Finance	Contract Mgt solution to integrate with new ERP \$7,500 Enhancements to Finance/Payroll ERP system \$10,000 Enhancements to Kronos Timekeeping \$10,000	Enhancements To Tax Application \$10,000 Enhancements to Finance ERP system \$25,000
IT	Customer Service Solutions: Ticketing Software \$0	Asset Management Solution \$25,000
Police	Police Records/Dispatch enhancements \$20,000 Relationship Analytics software \$15,000 Mobile computers upgrade (10) \$50,000 Building Renovation Hardware \$65,000 Cruiser mounts/console equipment \$20,000 Mobile vision car cams upgrade (8) \$50,000 Regional Dispatching Records Interfacing \$10,000	Police Records/Dispatch/Mobile enhancements \$20,000 EOC: Software \$15,000 Mobile computers upgrade (10) \$50,000 High Resolution displays for cruisers(10) \$20,000 Cruiser mounts/console equipment \$20,000 Regional Dispatching Interfacing \$25,000 Building Renovation Hardware \$15,000
S&U	Enhance Sewer Inspection technology \$20,000 Flow Monitoring Improvements \$5,000	
Facilities	FacilitiesSoftware Utilization/enhancements \$5,000 Monitoring Hardware/Connectivity Needs (hvac, truck we \$7,500 Renovation Hardware/Connectivity Needs \$10,000	Security camera enhancements \$10,000 Renovation Hardware/Connectivity Needs \$10,000
Fleet	Fuel / Fleet System Enhancements \$10,000 Ward POS for CNG \$15,205 Enhancements to CNG Monitoring Tools/Connectivity \$40,000	Fleet/Fuel system enhancements \$10,000 Enhanced mobile device / GPS utilization \$10,000
Public Works	Data Analytics/Business Intelligence solution \$10,000	
Engineering	Replace Signal Timing Database System \$55,000 CAD/ArcView Additions \$10,000 Project Management for Planning and Design \$25,000 Eplan Utilization/Enhancements (not used, may not be u \$5,000 Traffic Signal Communications \$15,000	Signal Timing Database Enhancements \$15,000 Project Management for Planning and Design \$10,000 CAD / ArcView upgrade/enhancement \$10,000 Eplan Utilization Enhancements \$15,000
Events	Events Technology Enhancements \$7,000 Meeting Matrix (event setup) Software Replace (with DC \$2,500	Plotter Replacement \$25,000 Events Technology Enhancements \$5,000
Volunteer Services	Virtual Volunteer Center \$0	Volunteer System Enhancements \$0
Parks	Cemetery Management System Enhancement \$5,000	
Recreation	RecTrac Management System Enhance (Addl Licenses) \$10,000 Customer Service Enhancements \$15,000 Outdoor pools/Camps technology enhancement \$10,000 Chip and Pin Credit Card Scanners \$15,000 Meeting Matrix (Event Setup) Software Replace \$2,500	Customer Service enhancements \$15,000 Outdoor Pools/Camps Technology Enhancements \$10,000 Outdoor pools technology enhancement \$15,000
Budget Adjustment	\$1,488,705	\$1,190,000
Budget Amount	(\$488,708)	(\$240,000)
	\$1,000,000	\$950,000

**Information Technology 5 Year Budget Plan
2018 - 2020 (Project #A11601)**



Dept / Div Citywide	2018		2019	
	Cityworks/Service Request Enhancements	\$7,500	Work Order/Service Request	\$25,000
	Document Management	\$10,000	Document Management	\$10,000
	IVR Enhancements	\$7,500	IVR Enhancements	\$7,500
	Adobe Licenses	\$10,000	Adobe Licenses	\$10,000
	Citywide WiFi/Broadband enhanced utilization	\$35,000	Citywide WiFi/Broadband enhanced utilization	\$35,000
	Network Management/security upgrade	\$25,000	Network Management/security upgrade	\$25,000
	Network connection-water towers/traffic signals	\$45,000	Network connection-water towers/traffic signals	\$45,000
	Server upgrades-virtual and storage	\$35,000	Server upgrades to virtual and storage upgrades	\$35,000
	Virtual Desktops/mobiles/voice	\$25,000	Virtual Desktops/mobiles/voice	\$25,000
	Security cameras	\$15,000	Security cameras	\$5,000
	Camera Recording Solution enhancements	\$10,000		
	Network Storage Upgrades	\$40,000	Network Storage Upgrades	\$40,000
	Infrastructure Changes for regional agencies	\$10,000	Infrastructure Changes for regional agencies	\$10,000
	Communications	\$20,000	Communications	\$20,000
	GIS Enhancement/data warehousing	\$25,000	GIS Enhancement/data warehousing	\$25,000
	Aerial Photos	\$50,000	Aerial Photos	\$50,000
	Mobile Smartphone/Tablet Applications	\$10,000	Mobile Smartphone/Tablet Applications	\$10,000
	PC replacement	\$75,000	PC replacement	\$75,000
	Printers	\$50,000	Printers	\$50,000
	Monitors, cabling, additional phone equipment	\$15,000	Monitors, cabling, additional phone equipment	\$10,000
	Mobile Device Replacements	\$25,000	Mobile Device Replacements	\$25,000
	Conference Room Equipment	\$5,000	Conference Room Equipment	\$10,000
	Misc. hardware/software	\$25,000	Misc. hardware/software	\$25,000
OCM				
Court Services	PCs/laptops for Court staff (\$8,000)	(Court Fund)	Records Mgmt enhancement	\$10,000
Community Rel	Enhance Internet/Intranet/CR	\$25,000	Enhance Internet/Intranet/CR	\$10,000
Human Res	Photo ID enhancements	\$7,500	Enhancements-HR Management System	\$15,000
	HR Mgt System Enhancements	\$10,000	Training Technology	\$10,000
Bldg Stds	Eplan Utilization/Enhancements/ Plan review Monitor	\$10,000	Rev Serv/BldgStds counter enhancements	\$25,000
	Web application enhancements	\$25,000	Electronic Plan Review enhancements	\$25,000
Economic Dev				
Planning	Planning Review/Code Ent enhancement	\$25,000	Customer Web Services Enhancements	\$20,000
	Eplan Utilization/Enhancements	\$10,000		
Finance	Contract Mgt Solution Enhancements	\$10,000	Enhancements to Financial applications	\$7,500
	Enhancements to Income Tax systems	\$15,000	Enhancements to time&attendance	\$7,500
			Enhancements to Payroll application	\$7,500
IT	Enhancements to Ticketing system	\$7,500	Enhancements to Asset Management Solution	\$10,000
Police	Police Records/Dispatch/Mobile enhancements	\$25,000	PD-Records/Dispatch/Mobile enhancements	\$25,000
	Mobile computers upgrade (10)	\$50,000	Mobile computers upgrade (10)	\$50,000
	High Resolution displays for cruisers(10)	\$20,000	Cruiser mounts/console equipment	\$15,000
	Cruiser mounts/console equipment	\$15,000	Cruiser WiFi/AVL enhancements	\$15,000
	Communication center upgrades	\$30,000	Mapping/GPS/Crime Analysis	\$25,000
	Enhance cruiser digital camera system(5)	\$35,000		
S&U	Enhance sewer inspection technology	\$50,000		
Facilities	Security camera enhancements	\$7,000	Security camera enhancements	\$15,000
Fleet	Fleet/Fuel system enhancements	\$20,000	Fleet/Fuel system enhancements	\$10,000
			Enhanced mobile device / GPS utilization	\$10,000
Public Works	Data Analytics/Business Intelligence Additional Licenses	\$10,000		
Engineering	Engineering applications/enhancements	\$25,000	Plotter	\$25,000
	Traffic Signal Communication	\$15,000	CAD / ArcView upgrade/enhancement	\$10,000
Events	Events technology enhancements	\$15,000	Events technology enhancements	\$10,000
Volunteer Services	Volunteer System Enhancements	\$0		
Parks	Cemetery system enhancements	\$10,000		
Recreation	Customer Service/Registration enhancements	\$20,000	Customer Service enhancements	\$20,000
	RecTrac Addl Licenses	\$7,500		
	Outdoor pools technology enhancement	\$5,000	Outdoor pools technology enhancement	\$10,000
Budget Adjustment		\$1,079,500		\$980,000
Budget Amount		(\$129,500)		(\$10,000)
		\$950,000		\$950,000

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



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

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

Following are some of the projects planned for 2016:

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



- **Network Management/Security Upgrades \$25,000**
Network monitoring tools, security appliances, software licensing, etc.
- **Network Connectivity \$45,000**
To supply fiber or wireless connection to key remote buildings, facilities, and traffic signals, enabling a variety of technology use that would be otherwise disconnected.
- **Server Hardware Upgrades and Network Storage Upgrades \$35,000/\$40,000**
Our use of virtual servers rather than physical systems has been very successful. Allowing us to more readily respond to expanding needs and be more environmentally friendly. Keeping this environment at the most optimal level is a continual effort
Storage Upgrades:
 - This is needed each year due to the ever increasing disk space needs and processing for new and upgraded applications. Base requirements increase every year.
 - This allows us to remain current on our applications and meet the requirements to perform eligible upgrades
 - This will allow us to accommodate increasing storage and backup needs.
 - We can add disk storage to keep short term backups and store files for our applications and customers.
 - These enhancements will allow us to cooperate in joint ventures with other entities for items such as backup planning, remote connectivity, possible disaster recovery sites, radio communication, 911 backups, etc.
- **Virtual, Voice, Mobile Applications \$25,000**
Includes Upgrades and enhancements to telephone software and mobile device capabilities for laptops, phones and tablets to enhance end user computing without a desktop product. Our IP phone applications need this for software upgrades.
- **Security Cameras \$10,000**
Storage, Licensing and Connectivity costs associated with the addition and implementation of security cameras though out the city.
- **Camera Recording Solution \$40,000**
Improvements to our current recording solution to ensure uptime, and enable additions of security cameras without impact on the recording storage and performance.



- **Microsoft Enterprise Agreement/Licensing \$120,000. [MOVED to OPERATING in 2016]**

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

- **Infrastructure Changes for Regional Agencies \$10,000**

As we add dispatching agencies, we have virtual private network hardware that needs to be purchased to establish secure connectivity to the agencies.

- **Communications Tools: Digital Signage and Monitors \$15,000**

Additional Monitors and Licenses planned for 2016. This solution is used in conjunction with Large Screen Monitors to display important City information for internal staff (i.e., City news, HBC requirements, deadlines for paperwork, upcoming events, etc.) The solution provides an easy method for managing the content, and allows multiple messages from multiple sources to display.

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

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

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



With the continued growth and aging of our City, aerial photography linked to GIS mapping provides a tremendous analytical tool for LU & LRP, Engineering, Streets & Utilities, Parks, Police and Finance. Planning uses digital aerial photography on a daily basis to analyze development sites and to illustrate field conditions. This data is also used to track the status of development over time by comparing orthophotography flown in different years. This digital photography is also useful for Code Enforcement as well to establish certain dates of violations.



- **Mobile (smartphone/tablet) Applications \$10,000**
The use of applications to enhance the processing of our mobile workforce and to increase citizen access to information and their ability to transact business with the City is an ongoing effort.
- **PC Replacement \$75,000**
Our PC rotation plan is to replace our staff PC equipment when it is 3 - 4 years old. Requests have been made for additional PC's in 2015.
- **Printer Replacement \$65,000**
Printers are replaced, based on service call analysis and usage.
- **Mobile Devices \$50,000**
City Departments are embracing the concept of the mobile workforce to increase efficiency and effectiveness in their areas. The purchase of mobile devices and replacement devices will remain constant over the next few years, as we roll out the technology to those areas committed to the adoption of the mobile office.
- **Mobile Device Replacements \$40,000**
With the addition of mobile devices for our workforce, we anticipate the need for replacement devices due to age, wear and tear, and damage.
- **HR/Payroll Solution Enhancements: \$10,000**
Implementation of a new HR and Payroll solution began in 2015. Add on modules, custom reports or other advancements may be required in 2016. The new solution will improve processing efficiencies and information consistency with the associated Payroll and HR activities. Improved functionality includes: Employee and manager self-service and access to their information, Consistent application of policies thereby reducing compliance risks, Direct integration with the time and attendance system, Integration and collaboration with HR processes, Current application and hardware technology for a long term solution.
- **Training Technology \$7,500**
Technology to enable citywide training needs. Laptops and training related software.



- **Electronic Plan Review Utilization (Planning and Building Stds) \$30,000**
Implementation of EPlan began in 2012 for the plan review services area. In 2015 and 2016 they will continue to refine processes, roll out advanced uses and incorporate other work units to the process.
- **PEZ/Avolve Workflow License and Laserfishe Connector \$15,000**
For Planning Engineering and Zoning, Workflow for Eplan License, as well as Interface to Laserfishe license for document storage.
- **Customer Service Web Enhancements (Planning and Building Stds) \$30,000**
For Planning and Building Standards; Enhancements and improvements to the Gov Now Web site for customer online services.
- **Contract Management Solution to Integrate with new ERP \$7500**
To provide contract management workflow functionality in conjunction with new Finance ERP system.
- **Finance ERP Solution Enhancements \$10,000**
Implementation of a new Finance ERP solution began in 2015. Add on modules, custom reports or other advancements may be required in 2016. The integrated Enterprise Resource Planning (ERP) System will support Dublin's staff in the delivery of City of Dublin services and activities, take advantage of best practices, and significantly improve the efficiency and effectiveness of Dublin's administrative processes. Particularly in the areas of Accounts Payable, Bank Reconciliation, Budgeting, Cash Management/Receipting, Fixed Assets, General Ledger, Billing and A/R.
- **Kronos Time and Attendance \$10,000**
The city moved to Kronos Time and Attendance in 2014. Add on modules, additional licenses, or customized solutions may be required in 2016, as the organization has had a couple of years to identify needed improvements.
- **Police Division technology**
Police Records/Dispatch Enhancements \$20,000
In 2014/2015, the Police Records/Dispatch/Mobile and Reporting systems were upgraded to with the latest version, moving to a different technology platform. Expanded and enhanced use is expected in 2016.



Mobile Computers Upgrade \$50,000

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

Cruiser mounts/console equipment \$20,000

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

Relationship Analytics Software \$15,000

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

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

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

Building Renovation Hardware \$65,000

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

Regional Dispatching Records Interfacing and connectivity \$10,000

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

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

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



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



8-Police

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

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

PP0803	Replacement Lasers	42	15	20	10	10	0	0	40	0	40
PP0804	Replacement Radars	63	10	0	10	10	0	0	20	0	20
PP1301	Intersection & Crime Prevention Cameras	61	80	0	0	0	0	0	0	0	0
PP1202	Ballistic Helmets	20	0	0	25	0	0	0	25	0	25
PP1302	Automatic License Plate Readers	100	0	0	120	0	0	0	120	0	120
PP1303	Replacement Ballistic Shields	14	0	0	25	0	0	0	25	0	25
PP1602	Replacement Firearms	0	0	120	0	0	0	0	120	0	120
PP1501	Replacement Automated External Defibrillators (AED)	0	20	20	20	0	0	0	40	0	40
PP1502	LiveScan Fingerprint System	0	35	0	0	0	0	0	0	0	0
NEW	DTU Equipment	0	0	20	0	0	0	0	20	0	20
NEW	Interview Room Camera System	0	0	0	35	0	0	0	35	0	35
NEW	Mobile Radio Upgrades	0	0	125	0	0	0	0	125	0	125
NEW	Communications Center Consoles	0	0	310	0	0	0	0	310	0	310
NEW	Replacement K9	0	0	12	0	0	0	0	12	0	12
NEW	Body Camera Hardware	0	0	35	0	0	0	0	35	0	35
8/7/2015	TOTAL	300	160	662	245	20	0	0	927	0	927
	TOTAL (Prior Year 2015-2019)	134	260	160	210	20	0	n/a		0	650
	Percentage Change	124%	-38%	314%	17%	0%	0%	n/a		0%	43%

POLICE / MAJOR PROJECTS

NEW	Next Gen 911 Upgrade	0	0	0	675	0	0	0	675	0	675
8/7/2015	TOTAL	0	0	0	675	0	0	0	675	0	675

- Projected increase
- Projected decrease
- Shift in project year
- New project



2016 - 2020 Capital Improvements Program

Police Non-Major Projects

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

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

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Police Non-Major Projects

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

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Police Non-Major Projects

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

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



2016 - 2020 Capital Improvements Program

Police-Major Projects

Next Gen 911 Upgrade (Project #NEW)

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

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

9-Facilities

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

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

AB1601	Building Maintenance/Renovations	0	760	655	390	210	130	130	1,515	0	1,515
8/7/2015	TOTAL	0	760	655	390	210	130	130	1,515	0	1,515
	TOTAL (Prior Year 2015-2019)	0	680	340	155	195	120	n/a		0	1,490
	Percentage Change	0%	12%	93%	152%	8%	8%	n/a		0%	2%

FACILITIES / MAJOR PROJECTS

AB0601	Municipal Facilities	0	0	0	0	0	0	0	0	0	0
	5800 Building	0	160	1,050	0	0	0	0	1,050	0	1,050
	Fleet (Salt Barn)	0	0	0	465	0	0	0	465	0	465
	Justice Center	0	10,740	150	75	0	0	0	225	1,800	2,025
	Service Center	0	165	3,400	0	0	0	0	3,400	0	3,400
	DCRC	0	0	1,315	0	0	0	0	1,315	0	1,315
8/7/2015	TOTAL	0	11,065	5,915	540	0	0	0	6,455	1,800	8,255
	TOTAL (Prior Year 2015-2019)	0	10,685	250	0	3,300	0	n/a		1,800	17,535
	Percentage Change	0%	4%	2266%	100%	-100%	0%	n/a		0%	-53%

- Projected increase
- Projected decrease
- Shift in project year
- New Project



2016 - 2020 Capital Improvements Program

Facilities - Non-Major Projects

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

Location	Description	Amount
Art's Council	Re-build stone sidewalk near patio	\$ 5,000
	Additional window replacements	25,000
City Hall and Annex	Replace glass doors at main entrance, rear entrances, and solid rear doors.	15,000
	Replace carpeting in Annex offices and reception area	10,000
	Update second floor lighting	2,000
Fleet Building	Replace four overhead doors in vehicle wash bay	75,000
Justice Center	Repair gutter and down spouts	27,500
Parks	Renovate workspace in the Avery Water Tower	10,000
	Patch and paint ten ball field dugouts at Avery Park	6,000
	Soft top cover replacement for Amphitheater	25,000
	Replace pavilion roof	16,000
	Pavilion wall repairs	10,000
	Nyrop House (Post Road) - demolition	20,000
	Wood repairs and painting at Darree Fields	17,500
	Exterior Paint at Earlington Barn	22,000
Multiple barns	10,000	
Recreation Center (DCRC)	Exterior building paint and seal woodwork	70,000
	Exterior building lighting upgrade	10,000
	Remove Cleaver Brooks boiler	15,000
	Replace AON roof top units as needed	35,000
	Paint gymnasium	40,000
	Complete refurbishing of gymnasium floor	25,000
South Pool	Replace cedar roof on main building, concession stand and pump house	35,000
Various – Citywide	Small in-house renovations	25,000
	HVAC and pump replacements	25,000
	Carpet and flooring replacements	50,000
	Painting and patching walls as needed	30,000
	Adjustment for rounding	(1,000)
Total		\$655,000



2016 - 2020 Capital Improvements Program

Facilities – Major Projects

Municipal Facilities (Project #AB0601)

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

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

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

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

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

10-Fleet

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
FLEET / MAJOR PROJECTS											
AV1601	Fleet Management Program-Vehicles:										
	Replacement Vehicles	0	1,430	1,000	1,000	1,000	1,000	1,000	5,000	0	5,000
	New Vehicles	0	35	140	120	125	45	0	430	0	430
AV1603	Fleet Management Program-Equipment:										
	Replacement Equipment	0	275	735	405	445	295	230	2,110	0	2,110
	New Equipment	0	100	0	0	0	0	0	0	0	0
8/7/2015	TOTAL	0	1,840	1,875	1,525	1,570	1,340	1,230	7,540	0	7,540
	TOTAL (Prior Year 2015-2019)	0	1,840	1,785	2,010	1,535	1,280	n/a		0	8,450
	Percentage Change	0%	0%	5%	-24%	2%	5%	n/a		0%	-11%

-  - Projected increase
-  - Projected decrease
-  - Shift in project year
-  - New Project



2016 - 2020 Capital Improvements Program

Fleet Management Program -Major Projects

Vehicle Replacements (Project #AV1601)

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Fleet Management Program -Major Projects

Equipment (Project #AV1603)

The equipment request includes:

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

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

Parks

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

Streets & Utilities Operations

Rock Drill for Sign Shop
Attenuator
Mower
JD Tractor

Other

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

11-Sanitary Sewers

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

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

ES1601	Annual Sanitary Sewer Maintenance Program	0	200	200	200	225	225	250	1,100	0	1,100
ES1110	North Fork Sewer-Capacity Improvement	0	0	55	0	370	0	0	425	0	425
ES1202	Manhole Rehabilitations	378	500	0	275	0	300	0	575	300	875
NEW	Upper Scioto West Shaft Improvements, #12	0	0	65	0	0	0	0	65	0	65
8/7/2015	TOTAL	378	700	320	475	595	525	250	2,165	300	2,400
	TOTAL (Prior Year 2015-2019)	358	700	200	450	200	450	n/a		400	2,400
	Percentage Change	6%	0%	60%	6%	198%	17%	n/a		-25%	0%

SANITARY SEWER SYSTEM \ MAJOR PROJECTS

ES0701	Sewer Lining and Repair	6,901	2,100	0	0	1,500	0	0	1,500	3,000	4,500
ES1602	Sewer Line Extensions	0	0	0	275	1,320	290	820	2,705	0	2,705
NEW	Deer Run Sewer Upsizing	0	75	535	0	0	0	0	535	0	535
8/7/2015	TOTAL	6,901	2,175	535	275	2,820	290	820	4,740	3,000	7,740
	TOTAL (Prior Year 2015-2019)	6,752	2,700	200	200	1,700	200	n/a		0	5,000
	Percentage Change	2%	-19%	168%	38%	66%	45%	n/a		0%	55%

- Projected Increase
- Projected decrease
- Shift in project year
- New project

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2015-2019

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2014	2015	2016	2017	2018	2019	TOTAL 15-19	BEYOND 2019	TOTAL TO BE BUDGETED
SANITARY SEWER SYSTEM \ NONMAJOR											
ES1501	Annual Sanitary Sewer Maintenance Program	0	200	200	200	200	200	200	1,000	0	1,000
ES1110	North Fork Sewer-Capacity Improvement	0	0	0	0	0	0	0	0	400	400
ES1202	Manhole Rehabilitations	358	0	500	0	250	0	250	1,000	0	1,000
8/7/2014	TOTAL	358	200	700	200	450	200	450	2,000	400	2,400

SANITARY SEWER SYSTEM \ MAJOR PROJECTS											
ES0701	Sewer Lining and Repair	6,752	0	2,500	0	0	1,500	0	4,000	0	4,000
ES1502	Reserve for Sewer Extensions	0	200	200	200	200	200	200	1,000	0	1,000
8/7/2014	TOTAL	6,752	200	2,700	200	200	1,700	200	5,000	0	5,000



2016 - 2020 Capital Improvements Program

Sanitary Sewer System - Non-Major Projects

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

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

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

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

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

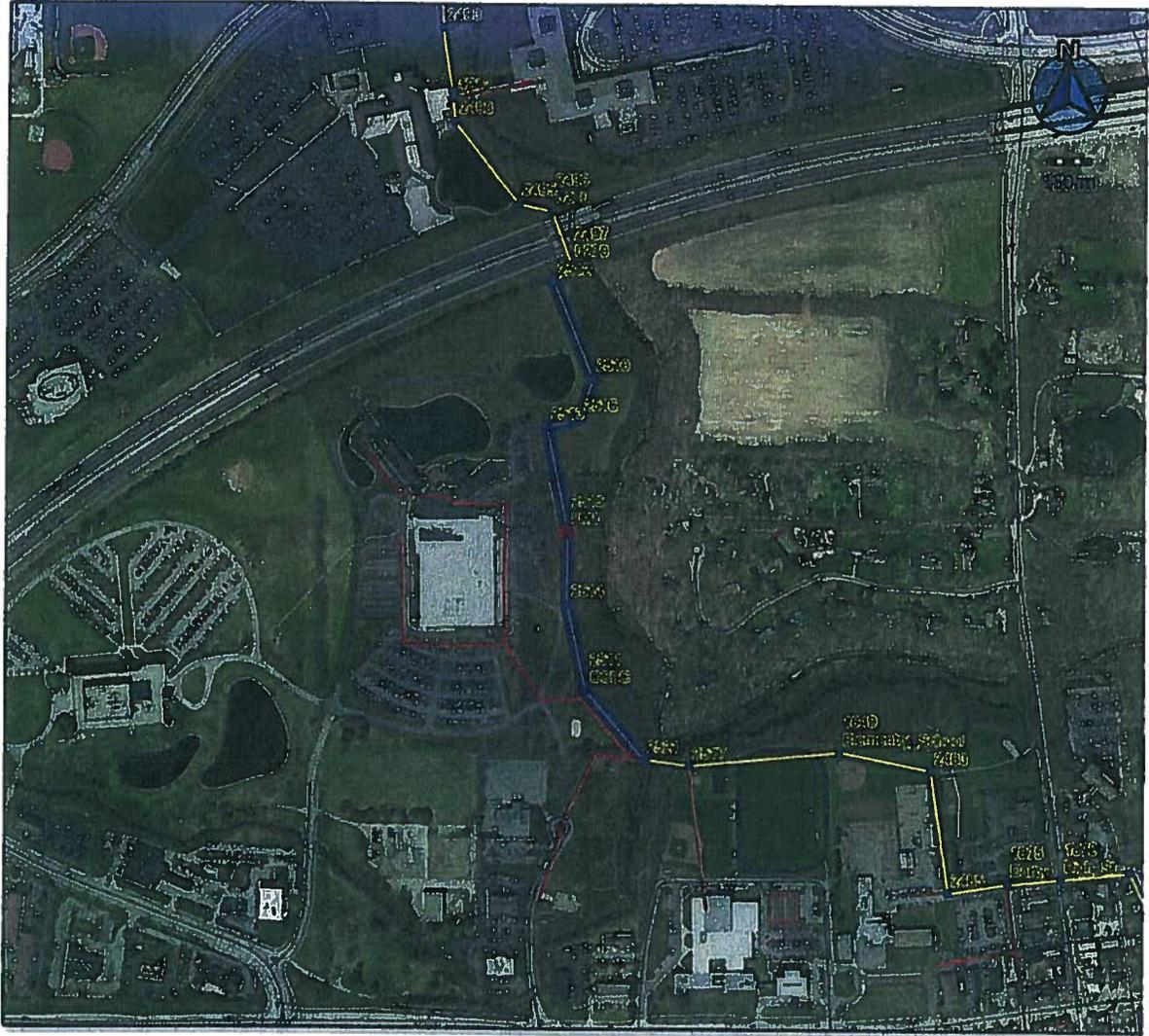


Figure 8: Alternative 3, Augmentation Parallel Relief Sewer



2016 - 2020 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 & concrete pipe will reduce inflow and infiltration (I and I) of water in the sanitary sewer system. Sewer lining repairs the integrity of the pipe system and reduces the amount of I and I entering the system via the main lines.

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

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

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

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

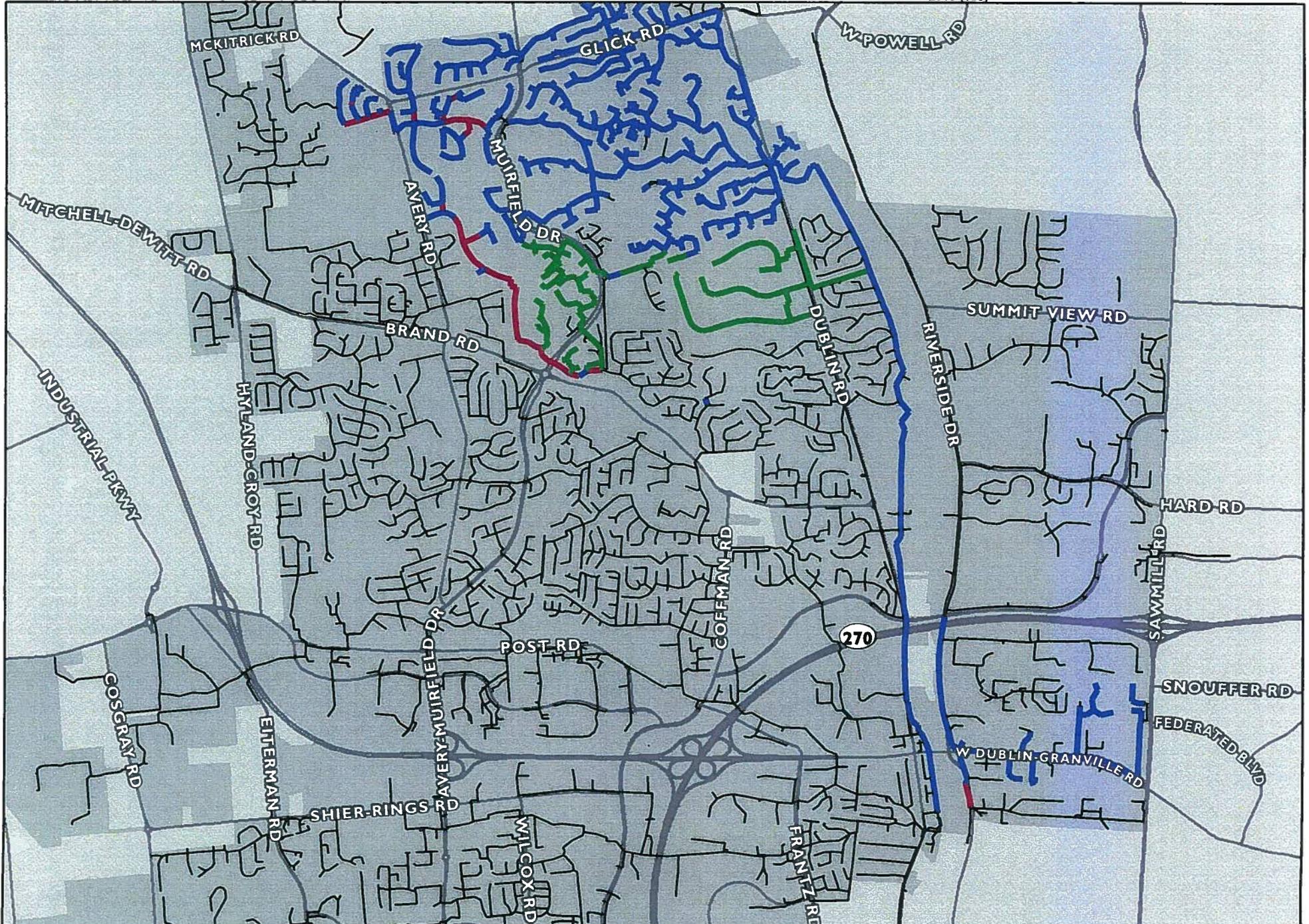
The project is funded from the Sewer Fund.

Sewer Lining

5/1/2015

Lining Plan Year

- Previously Lined
- 2015 (162)
- 2018 (163)
- Other Sanitary Lines





2016 - 2020 Capital Improvements Program

Sanitary Sewer System-Major Projects

Sewer Line Extensions ((Project #ES1602)

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

The project is funded from the Sewer Fund.



2016 - 2020 Capital Improvements Program

Sanitary Sewer System-Major Projects

Deer Run Sewer Upsizing ((Project #NEW)

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

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

The project is funded from the Sewer Fund.

Path: J:\2012\2020GIS\New Dublin Utilities Feb2012\Proposed Improvements Group #3.mxd



Legend

- Predicted & Not Confirmed Flooded MH due to 25yr, 6-hr storm
- ⬠ Observed SSO Locations
- Deer-Run Sanitary Manholes
- Deer-Run Sanitary Sewers
- Hydrology
- Proposed Sanitary Improvements**
- Proposed Upsized Existing Sanitary Sewer

EMHT
 Engineers • Surveyors • Planners • Scientists
 5800 New Albany Road, Columbus, OH 43254
 Phone: 614-778-6300 Toll Free: 888-778-2648
 emht.com

Date: December, 2012
Scale: 1"=250'
Job No.: 2012-0220



CITY OF DUBLIN, FRANKLIN COUNTY, OHIO
Deer Run Sewershed
 Proposed Sanitary Improvements Group #3
 Exhibit 7-3

12-Transportation Non-Major

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
TRANSPORTATION / NONMAJOR PROJECTS											
AT1601	Annual Street Maintenance Program	0	6,245	4,000	4,000	4,000	4,000	4,000	20,000	0	20,000
AT1602	Annual Infrastructure / Roadside Improvement Program	0	50	100	100	100	100	100	500	0	500
AT1603	Annual Bikeway Maintenance	0	815	840	735	760	635	340	3,310	0	3,310
AT1604	Annual Bikeway Connections / Additions (Some TIF funded)	0	790	450	350	55	190	0	1,045	615	1,660
AT1606	Annual Sidewalk Program	0	0	0	125	125	0	125	375	0	375
AT1607	Annual Parking Lot Maintenance	0	500	400	400	400	400	400	2,000	80	2,080
AT1608	Annual Pedestrian Tunnel Maintenance	0	115	165	515	270	220	5	1,175	30	1,205
AT1610	Annual Guardrail Replacement & Maintenance	0	230	65	65	65	65	65	325	0	325
AT1611	Annual Bike Rack Installation	0	25	25	25	25	25	25	125	0	125
NEW	Annual Bridge Maintenance	0	0	180	350	600	1,010	930	3,070	945	4,015
NEW	Bridge Street Eastbound School Flasher Upgrade	0	7	70	0	0	0	0	70	0	70
8/7/2015	TOTAL		8,777	6,295	6,665	6,400	6,645	5,990	31,995	1,670	33,665
	TOTAL (Prior Year 2015-2019)		6,385	6,350	6,350	5,820	5,635	n/a		1,115	31,655
	Percentage Change		37%	-1%	5%	10%	18%	n/a		50%	6%

- Projected increase
- Projected decrease
- Shift in project year
- New Project

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2015-2019

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2014	2015	2016	2017	2018	2019	TOTAL 15-19	BEYOND 2019	TOTAL TO BE BUDGETED
TRANSPORTATION / NONMAJOR PROJECTS											
AT1501	Annual Street Maintenance Program	0	4,500	4,500	4,500	4,500	4,500	4,500	22,500	0	22,500
AT1502	Annual Infrastructure / Roadside Improvement Program	0	300	50	185	185	280	185	885	0	885
AT1503	Annual Bikeway Maintenance	0	510	655	500	500	500	500	2,655	100	2,755
AT1504	Annual Bikeway Connections / Additions (Some TIF funded)	0	545	725	625	875	0	160	2,385	365	2,750
AT1506	Annual Sidewalk Program	0	250	0	250	0	250	0	500	0	500
AT1507	Annual Parking Lot Maintenance	0	250	100	100	100	100	100	500	0	500
AT1508	Annual Pedestrian Tunnel Maintenance	0	150	100	100	100	100	100	500	0	500
AT1510	Annual Guardrail Replacement & Maintenance	0	65	230	65	65	65	65	490	0	490
AT1511	Annual Bike Rack Installation	0	25	25	25	25	25	25	125	0	125
ET0403	Pedestrian Tunnels	746	0	0	0	0	0	0	0	650	650
ET1118	Riverside Drive/Hard Road Turn Lane	60	295	0	0	0	0	0	0	0	0
ET1303	Bridge Street School Flasher	13	55	0	0	0	0	0	0	0	0
8/7/2014	TOTAL	819	6,945	6,385	6,350	6,350	5,820	5,635	30,540	1,115	31,655



2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

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

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

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

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

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

2016 - 2020 Capital Improvements Program

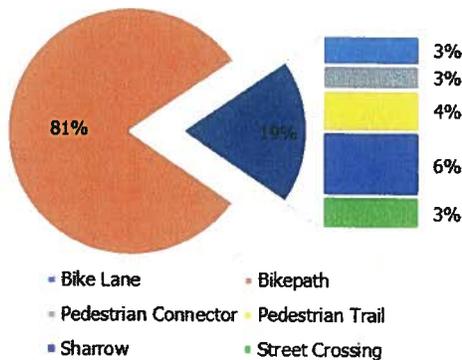
Transportation – Non-Major Projects

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

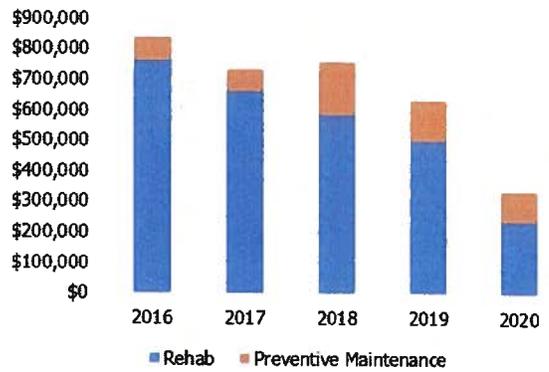
Planned Shared-Use Path Projects

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

Bikepath Categories



Planned Bikepath Maintenance





2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

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

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

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

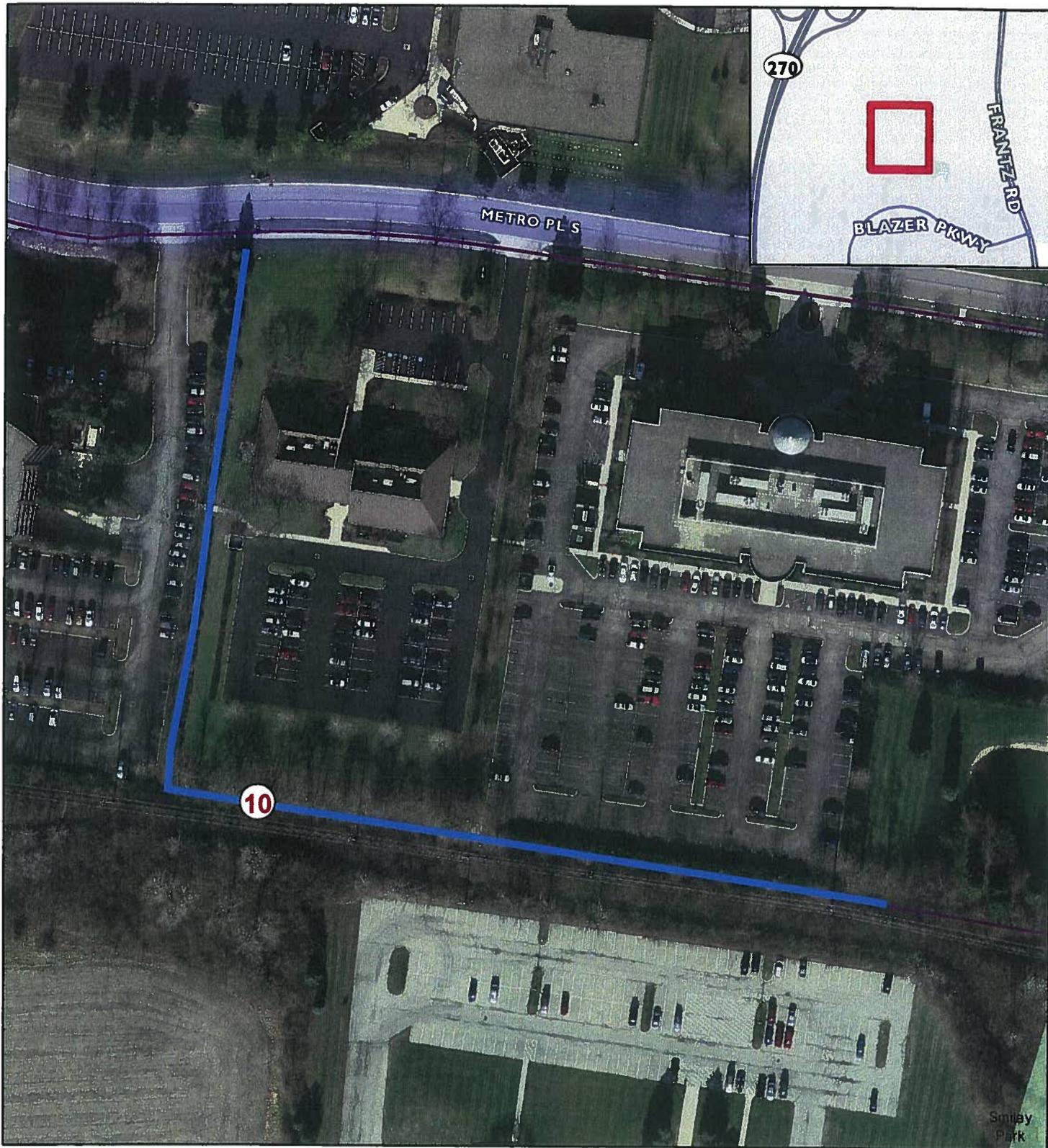
(1) – design funded in 2015.

(2) – detailed design phase.

(3) - construction funded in 2017.

City of Dublin, Ohio
Annual Shared-Use Path Connections/Additions

Map #	Project	Department	Major/Minor	2015	2016	2017	2018	2019	2020	Beyond CIP	Lineal Feet
10	Metro PL S to Smiley Park	ENG	MINOR	\$44,000	\$205,500						1370
16	Hyland Croy Rd N of Brand Rd	ENG	MINOR	\$82,500							550
24	Dublin Road from Tuttle to Limestone Ridge Dr	ENG	MINOR	\$35,000	\$150,000						776
29	Scioto High School Path	PARK	MINOR	\$200,000							2677
33	Summitview (from Wedgewood Hills Park to Campden Lakes Blvd)	ENG	MINOR	\$35,000	\$42,640	\$159,900					1066
34	Wedgewood Hill (thru Wedgewood Hills Park)	ENG	MINOR		\$49,400	\$185,250					1235
36	Discovery Blvd: Wall St to Post Rd	ENG	MINOR	\$25,000	\$206,670						264
37	Wilcox Rd (ditch between Northcliff to Heather Glen Blvd)	ENG	MINOR				\$30,000	\$160,000			1073
42	Wall St from daycare to East (DEV driven)	ENG	MINOR						\$0	\$125,700	838
43	Riverside Dr. Phase B : Thad K Park to Tonti Dr (East)	ENG	MINOR	\$15,000	\$70,000						220
53	Dublin Road Limestone Ridge Dr to Frantz (Cols coord)	ENG	MINOR			\$0		\$30,000		\$391,500	2610
58	Shier-Rings from Fleet to Avery (some Private money)	ENG	MINOR	\$73,500							490
62	Tuller Ridge: Clark St to Troutbrook Dr	ENG	MINOR			\$5,000	\$26,250				175
63	Dublin Center Dr: Stoneridge to Dublin Granville	ENG	MINOR							\$100,000	625
TOTAL CIP 2016-2020				\$786,670	\$447,540	\$350,150	\$56,250	\$190,000	\$0	\$617,200	\$2,447,810
TOTAL CIP 2015-2019				\$725,000	\$625,000	\$875,000	\$0	\$160,000	\$0	\$365,000	\$2,750,000



Map Number: 10

Name: Metro PL S to Smiley Park

Funding: CIP - Minor

Type: Bikepath 1,099 ft.

CIP Design Year: 2015

Design Cost: \$44,000.00

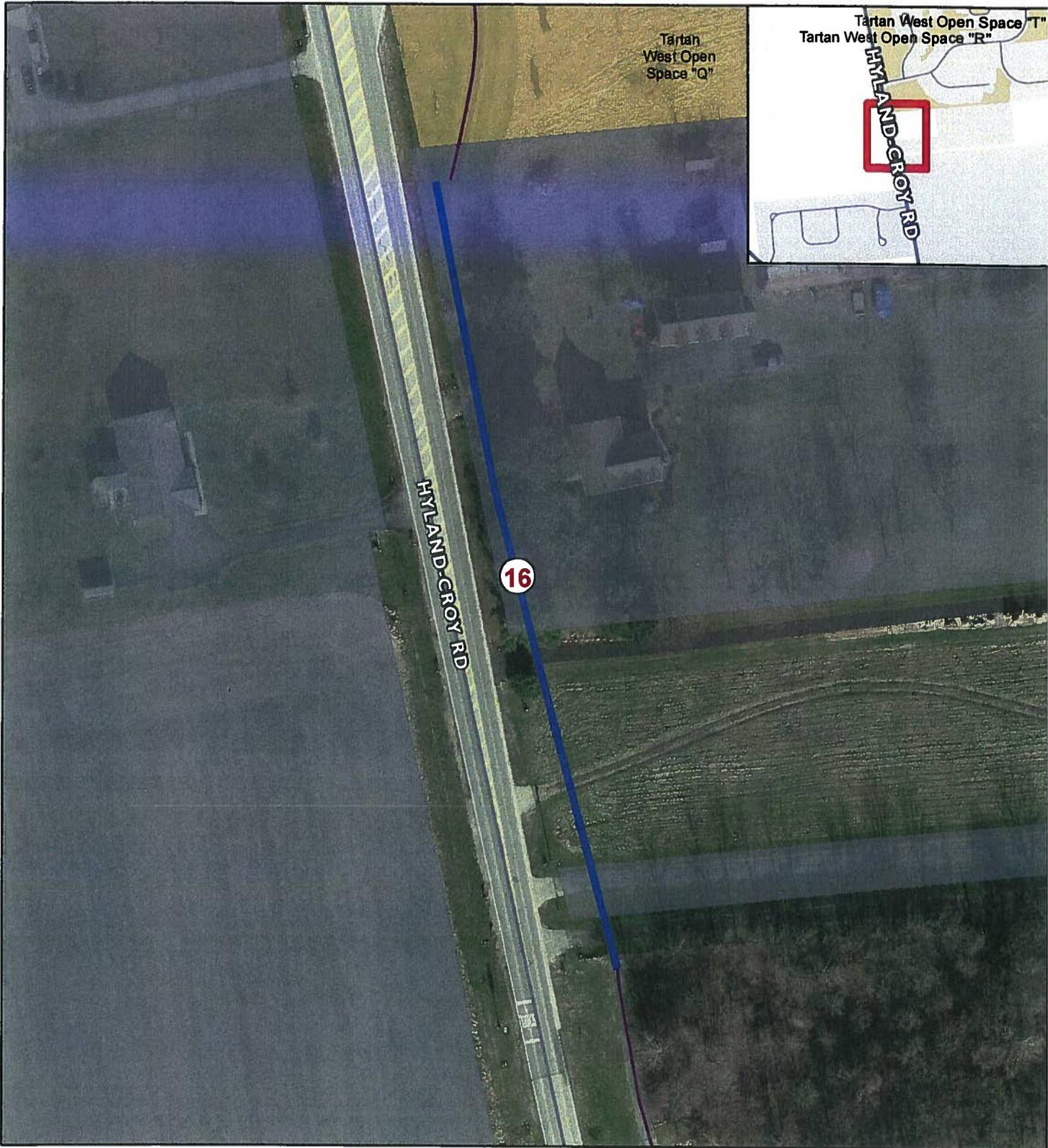
CIP Construction Year: 2016

Construction Cost: \$205,500.00

CIP Construction Year Existing Paths

- █ 2015
- █ 2016
- █ 2017
- █ 2018
- █ 2019
- █ 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

Bikeway Planning - Connections and Additions



Map Number: 16

Name: Hyland Croy Rd N of Brand Rd

Funding: CIP - Minor

Type: Bikepath 487 ft.

CIP Design Year: 2014

Design Cost: \$ \$14,200.00

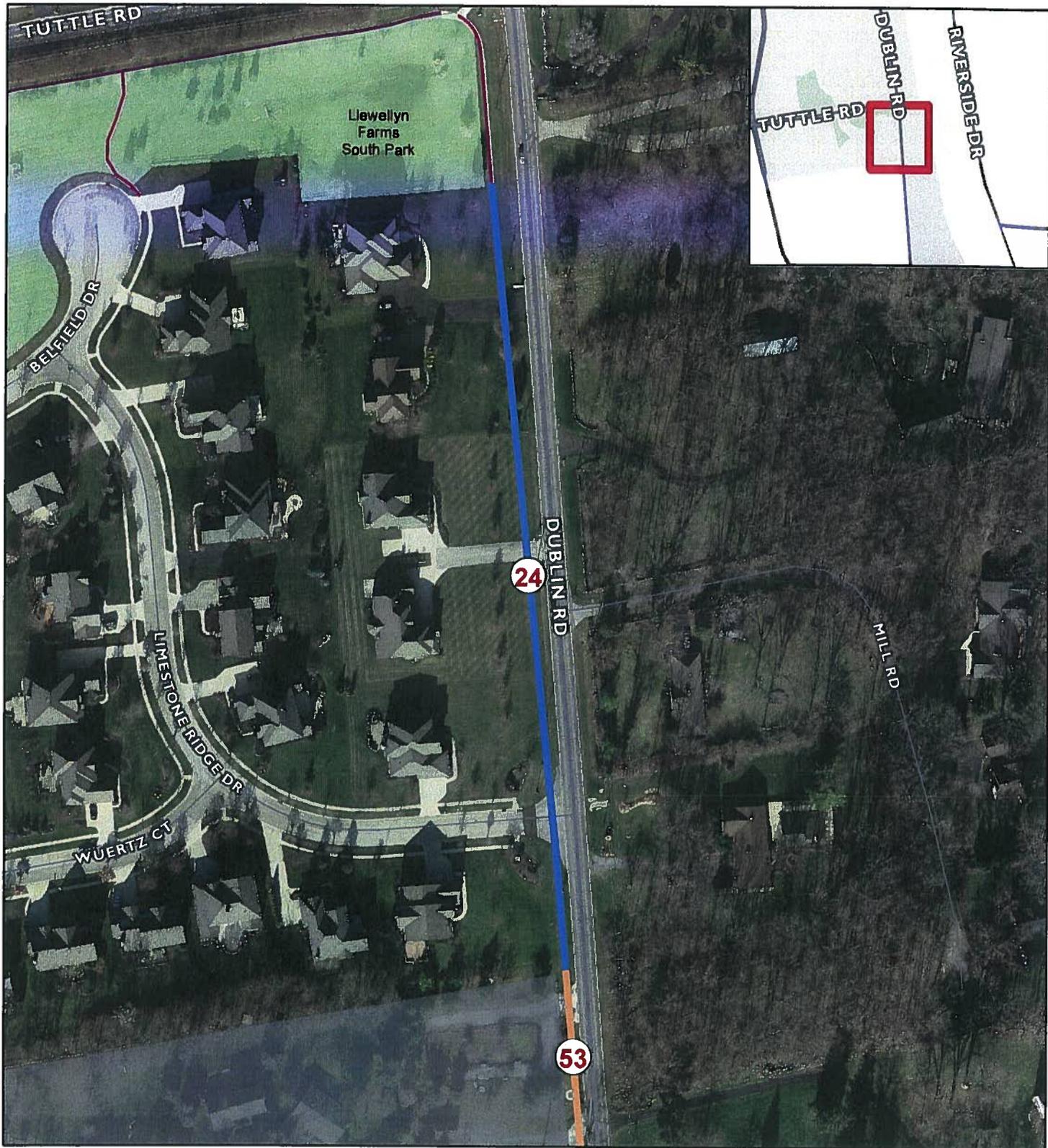
CIP Construction Year: 2015

Construction Cost: \$82,500.00

CIP Construction Year Existing Paths

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

Bikeway Planning - Connections and Additions



Map Number: 24

CIP Design Year: 2015

CIP Construction Year Existing Paths

Name: Dublin Rd Tuttle to Limestone Ridge Dr

Design Cost: \$35,000.00

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

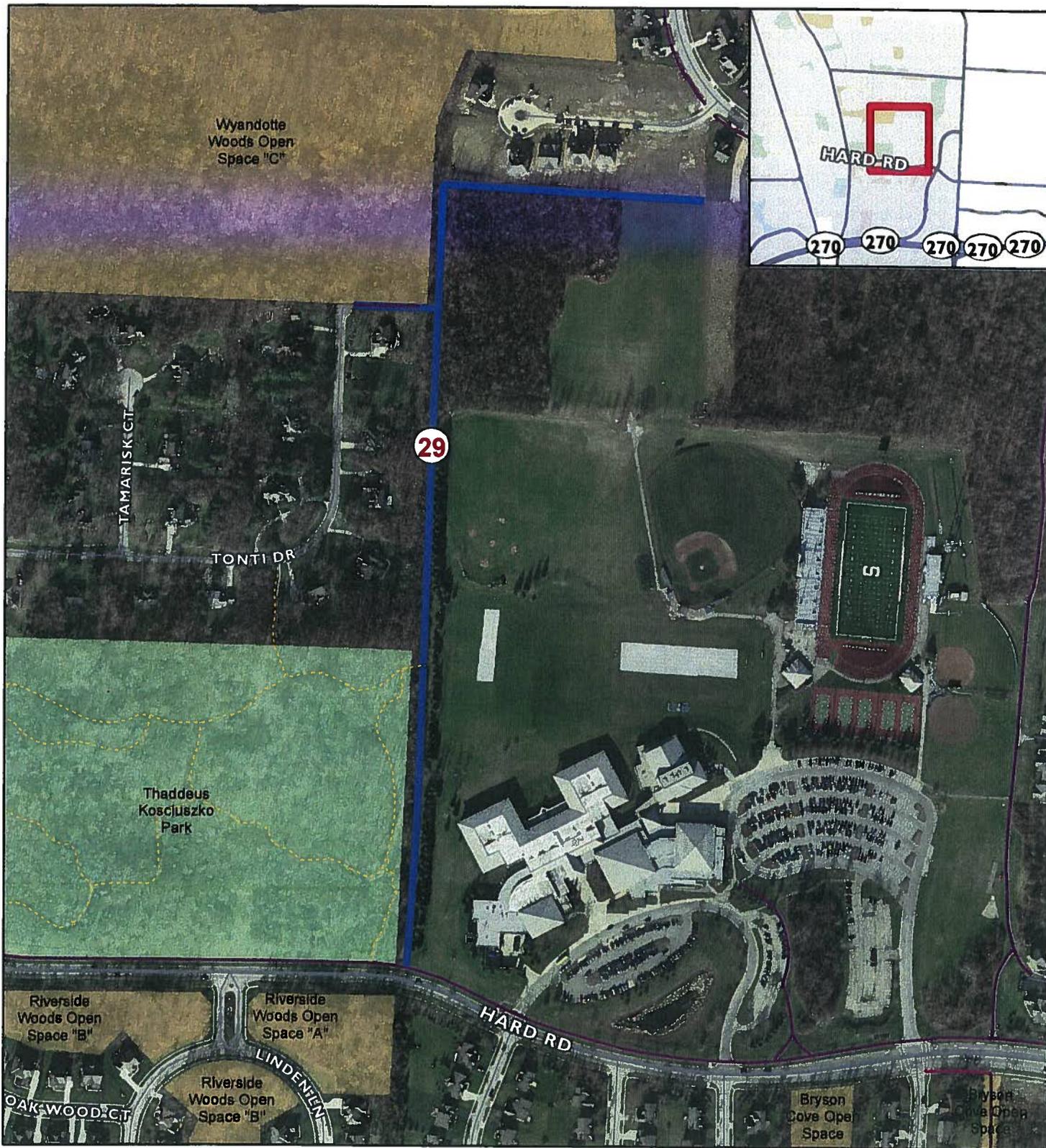
Funding: CIP - Minor

CIP Construction Year: 2016

Type: Bikepath 776 ft.

Construction Cost: \$150,000.00

Bikeway Planning - Connections and Additions



Map Number: 29

Name: Scioto High Path

Funding: CIP - Minor

Type: Bikepath 3,101 ft.

CIP Design Year: 2013

Design Cost: \$ \$107,080.00

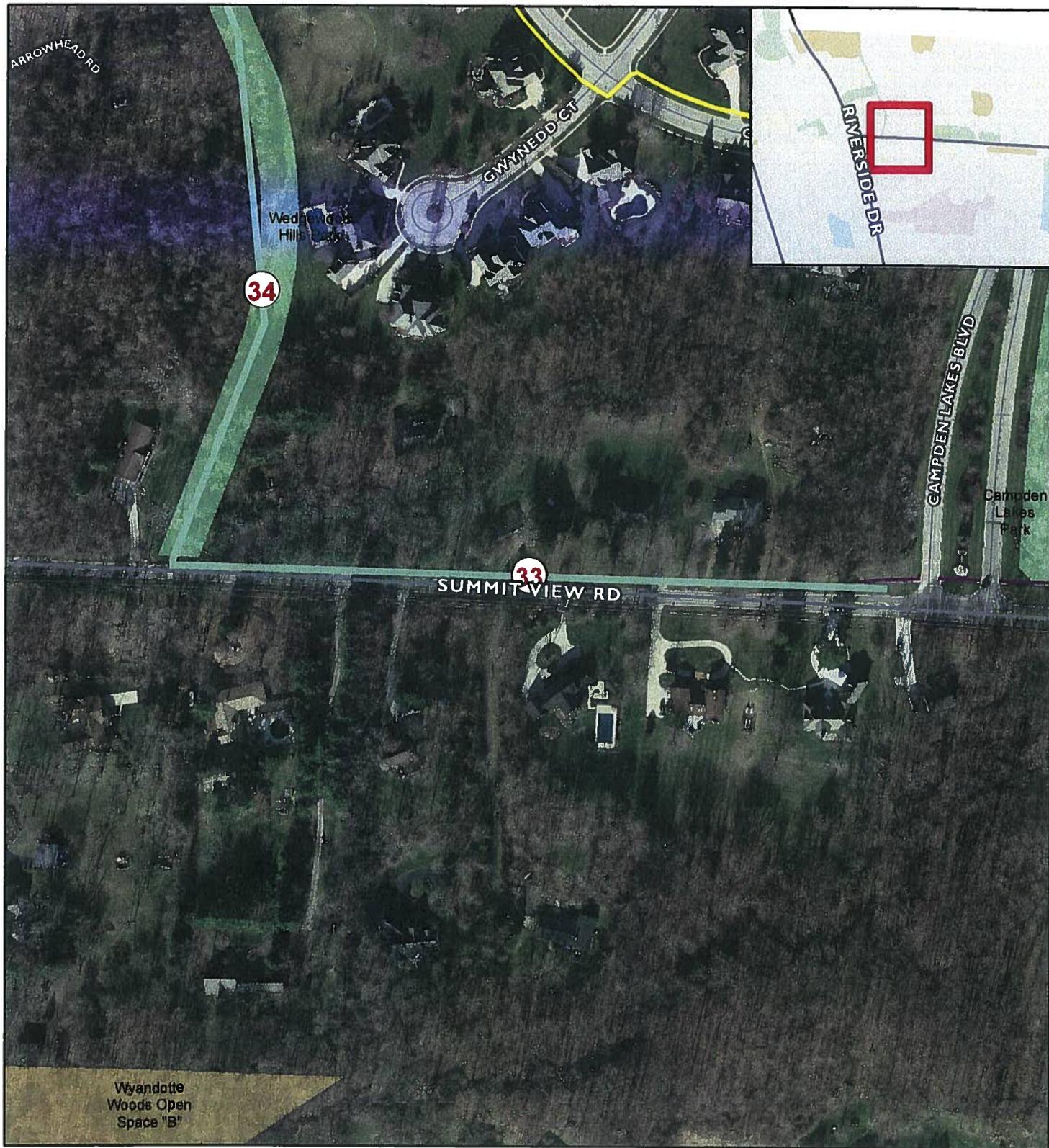
CIP Construction Year: 2015

Construction Cost: \$200,000.00

CIP Construction Year Existing Paths

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

Bikeway Planning - Connections and Additions



Map Number: 33

Name: Summit View

Funding: CIP - Minor

Type: Bikepath 1,066 ft.

CIP Design Year: 2016

Design Cost: \$ \$42,640.00

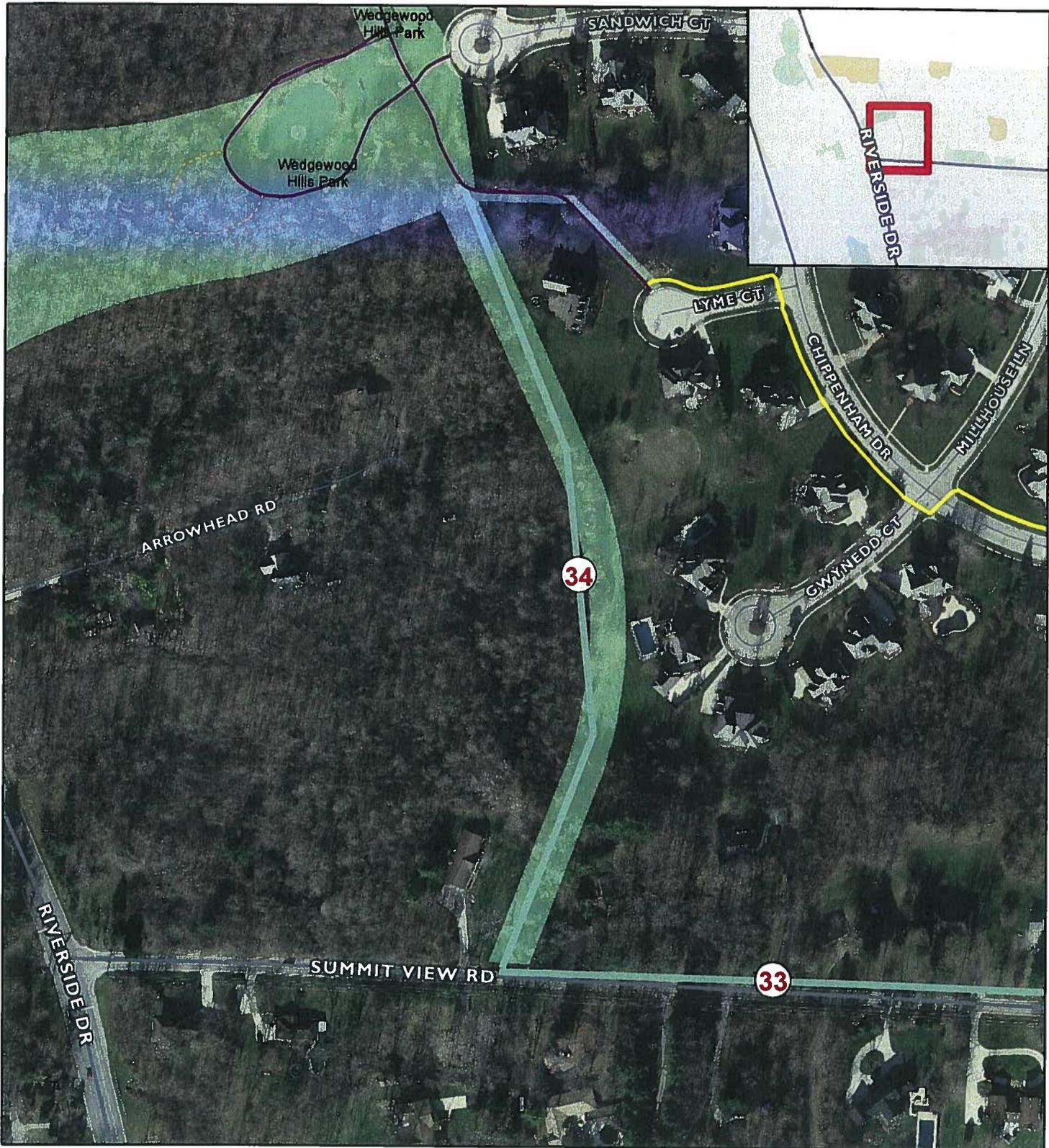
CIP Construction Year: 2017

Construction Cost: \$159,900.00

CIP Construction Year Existing Paths

- | | |
|--|-----------------------|
| █ 2015 | Bikepath |
| █ 2016 | Pedestrian Connector |
| █ 2017 | Pedestrian Trail |
| █ 2018 | Pedestrian Connectors |
| █ 2019 | |
| █ 2020 | |

Bikeway Planning - Connections and Additions



Map Number: 34

Name: Wedgewood Hill ROW

Funding: CIP - Minor

Type: Bikepath 1,235 ft.

CIP Design Year: 2016

Design Cost: \$49,400.00

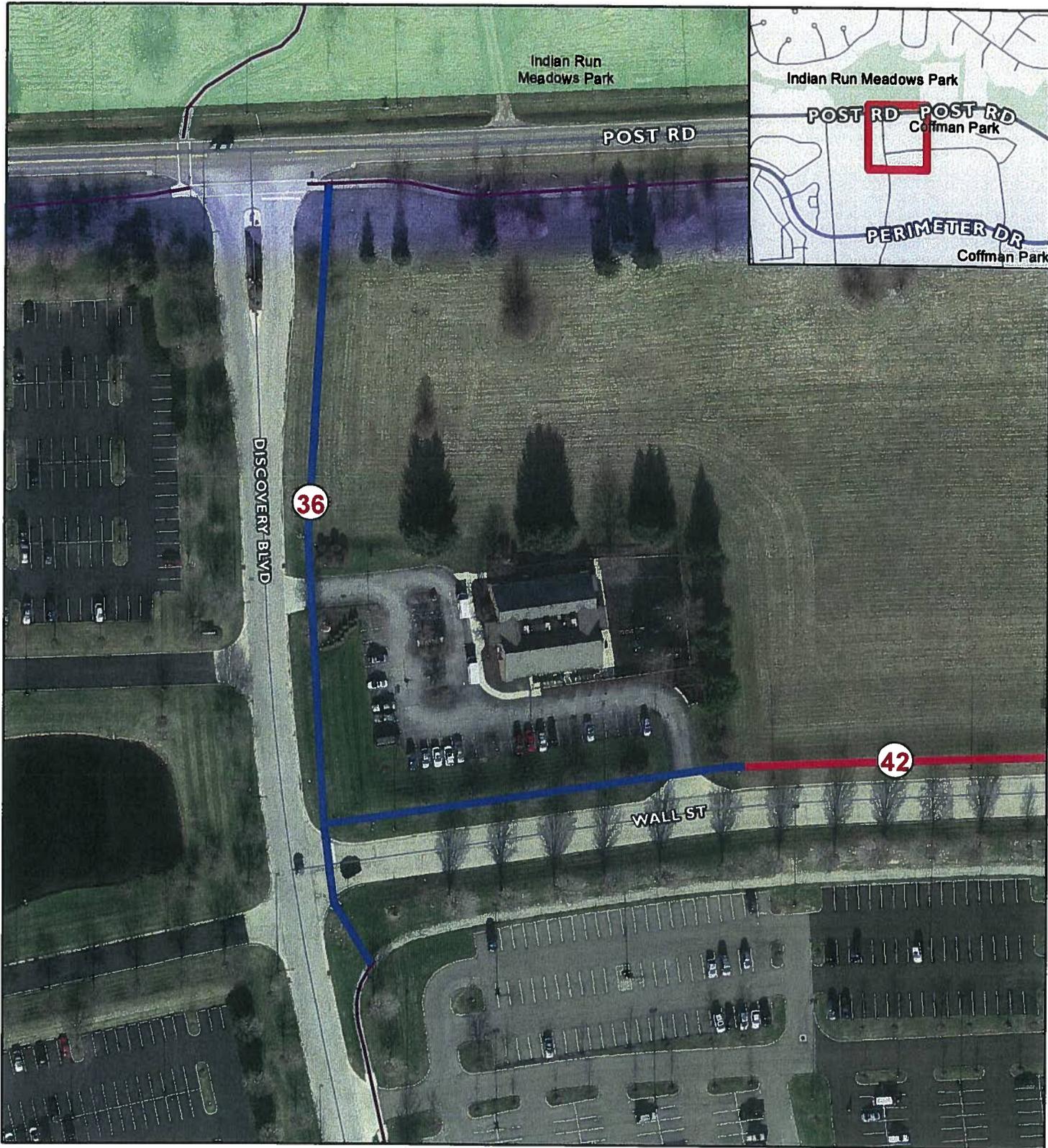
CIP Construction Year: 2017

Construction Cost: \$185,250.00

CIP Construction Year Existing Paths

- | | |
|------|-------------------------|
| 2015 | — Bikepath |
| 2016 | — Pedestrian Connector |
| 2017 | — Pedestrian Trail |
| 2018 | — Pedestrian Connectors |
| 2019 | |
| 2020 | |

Bikeway Planning - Connections and Additions



Map Number: 36

Name: Discovery from Daycare to Post

Funding: CIP - Minor

Type: Bikepath 913 ft.

CIP Design Year: 2015

Design Cost: \$25,000.00

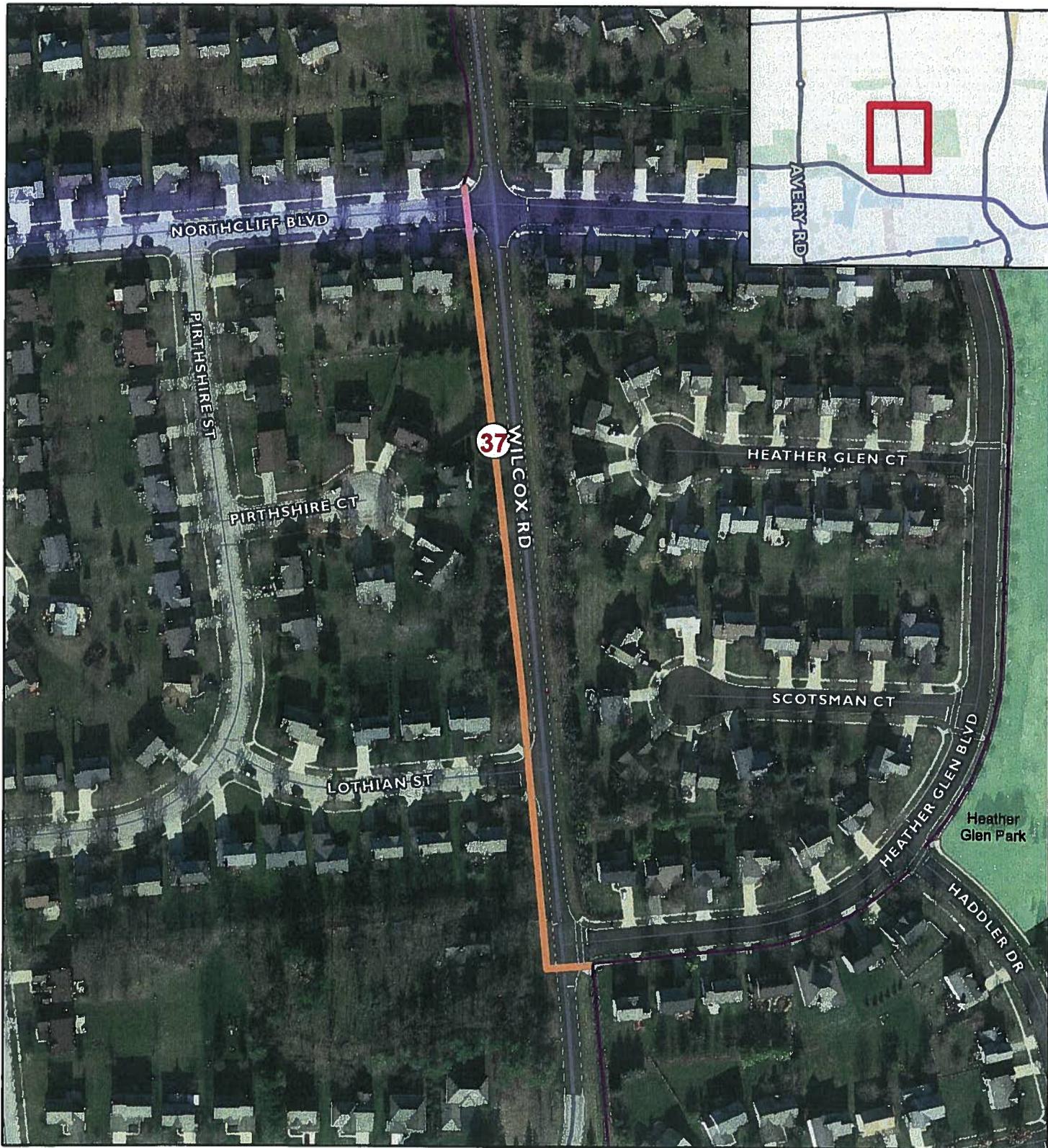
CIP Construction Year: 2015

Construction Cost: \$206,670.00

CIP Construction Year Existing Paths

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

Bikeway Planning - Connections and Additions



Map Number: 37

Name: Wilcox Rd

Funding: CIP - Minor

Type: Bikepath 1,073 ft.

CIP Design Year: 2018

Design Cost: \$30,000.00

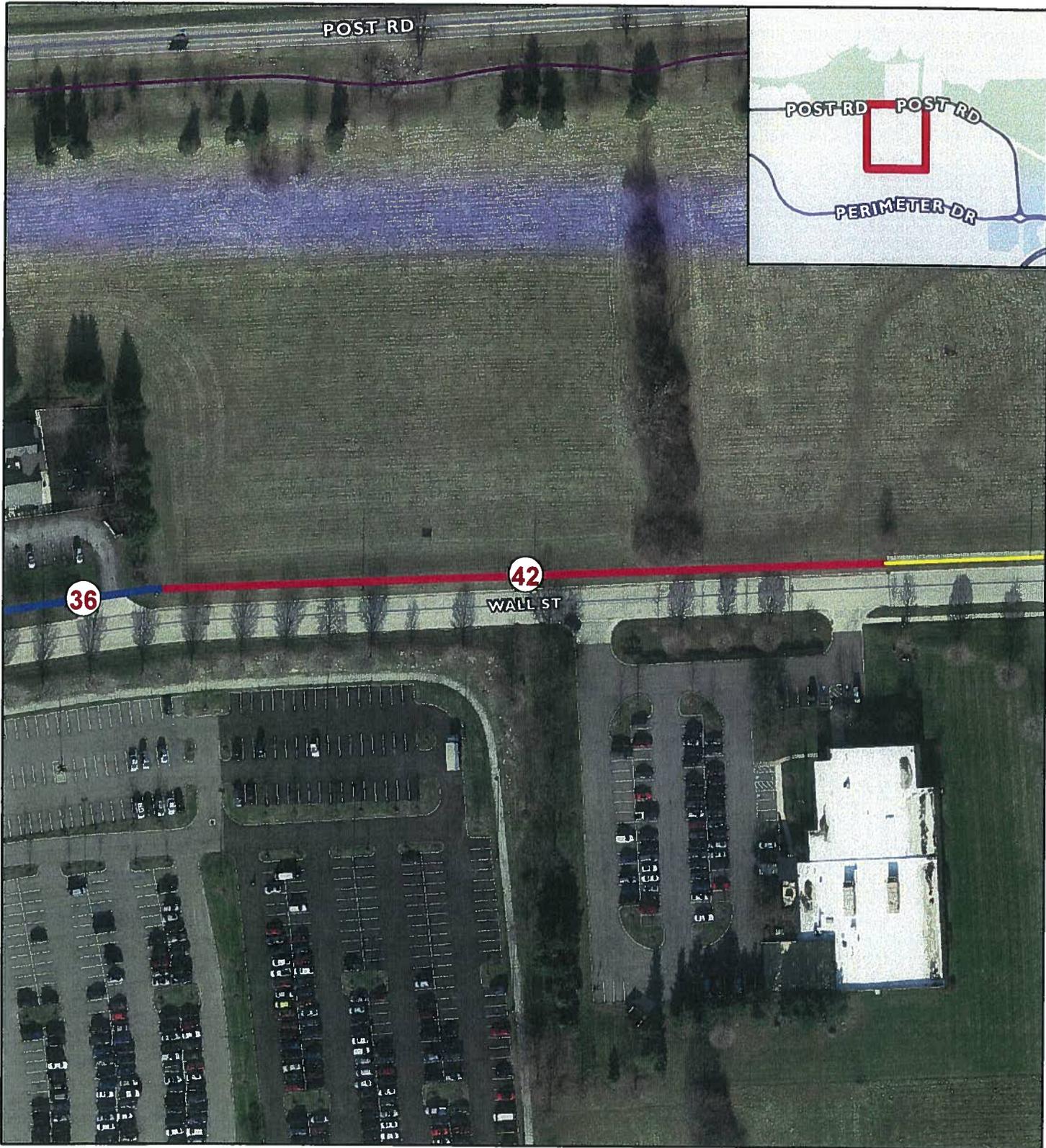
CIP Construction Year: 2019

Construction Cost: \$160,000.00

CIP Construction Year Existing Paths

- | | |
|--|---|
| █ 2015 | — Bikepath |
| █ 2016 | — Pedestrian Connector |
| █ 2017 | - - - Pedestrian Trail |
| █ 2018 | █ Pedestrian Connectors |
| █ 2019 | |
| █ 2020 | |

Bikeway Planning - Connections and Additions



Map Number: 42

Name: Wall St from daycare to east

Funding: CIP - Minor

Type: Bikepath 629 ft.

CIP Design Year:

Design Cost:\$

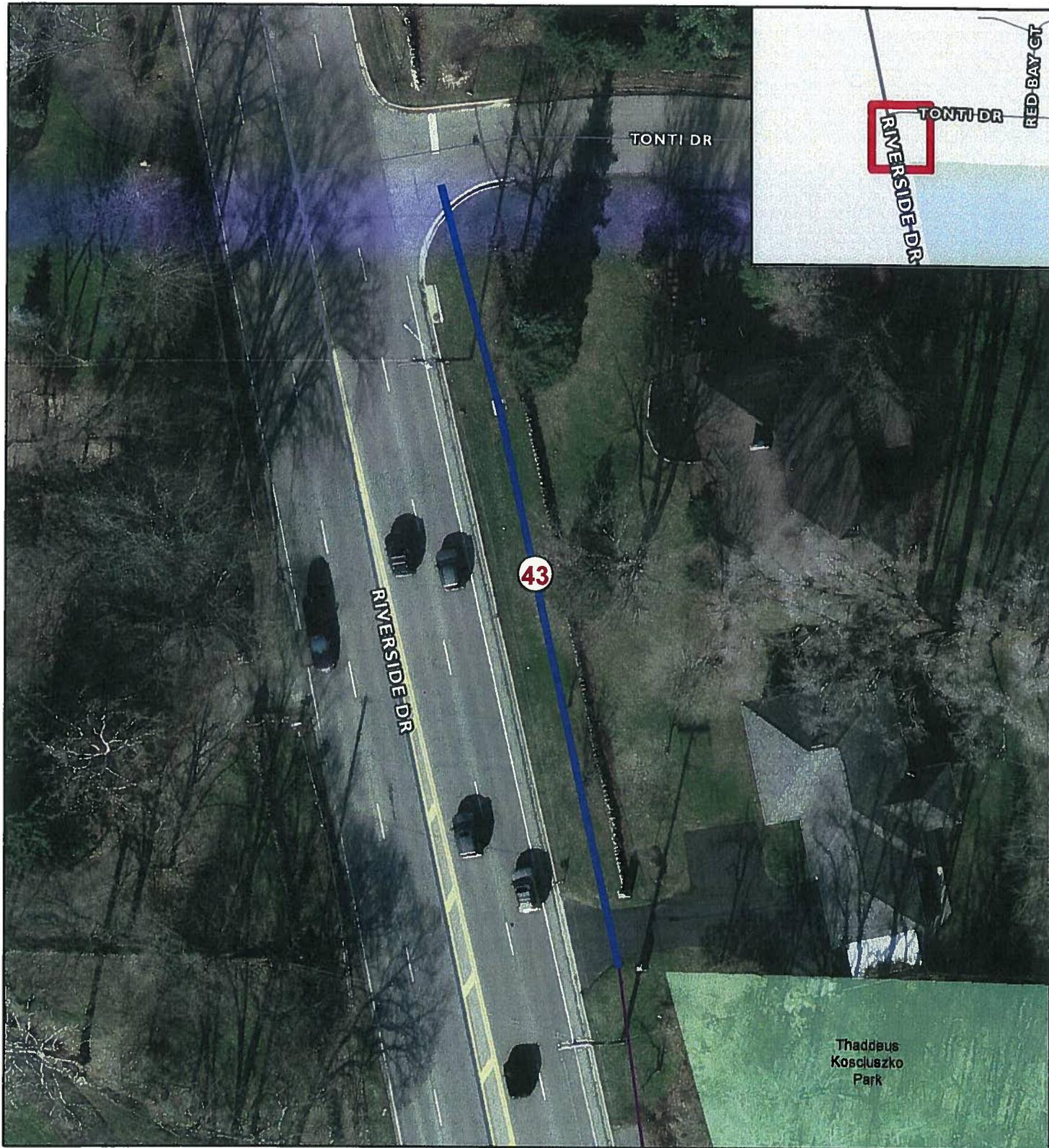
CIP Construction Year: 2020

Construction Cost: \$125,800.00

CIP Construction Year Existing Paths

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

Bikeway Planning - Connections and Additions



Map Number: 43

Name: Riverside Thad K to Tonti

Funding: CIP - Minor

Type: Bikepath 222 ft.

CIP Design Year: 2015

Design Cost: \$15,000.00

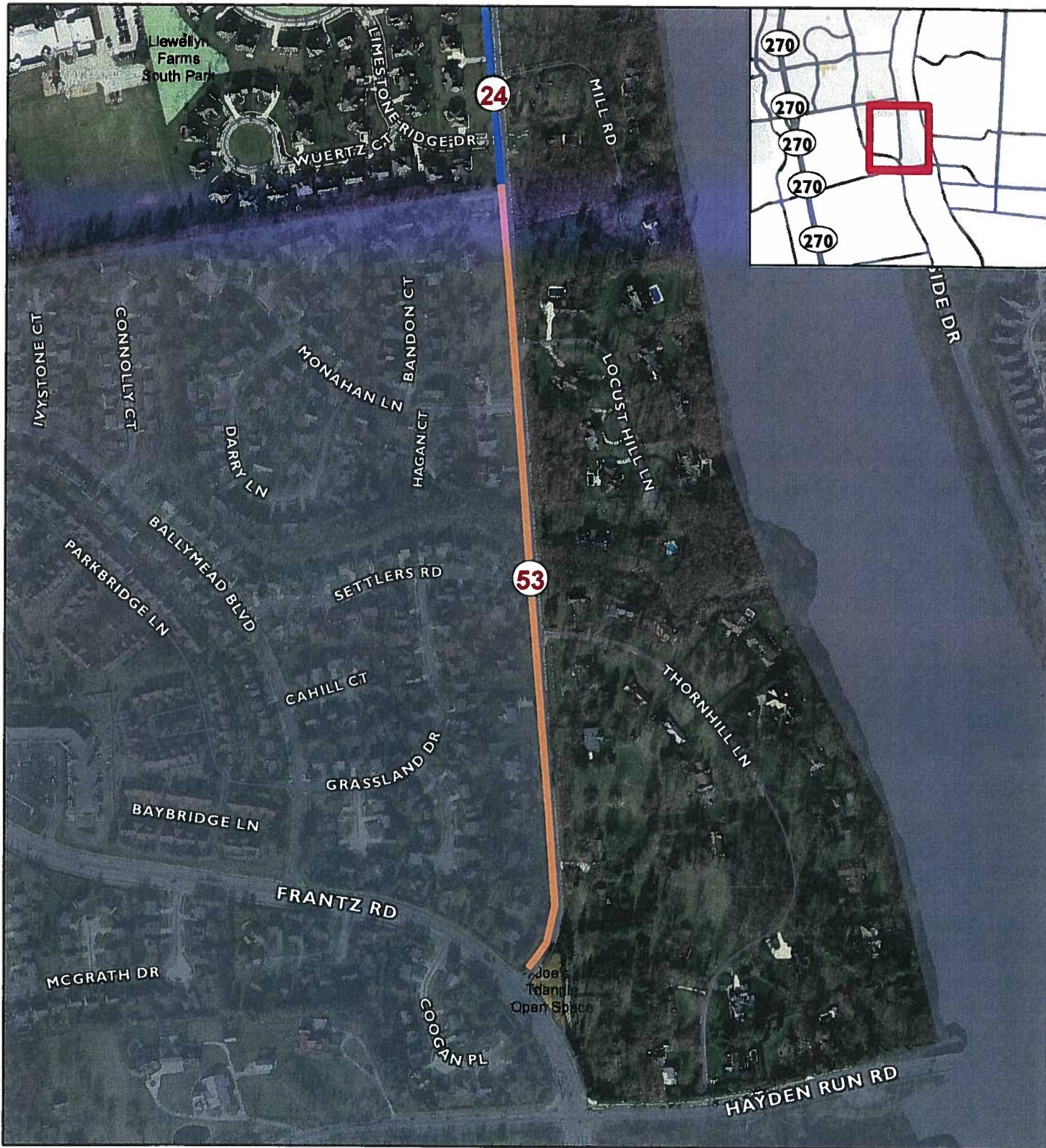
CIP Construction Year: 2015

Construction Cost: \$70,000.00

CIP Construction Year Existing Paths

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

Bikeway Planning - Connections and Additions



Map Number: 53

CIP Design Year: 2019

CIP Construction Year Existing Paths

Name: Dublin Rd Limestone Ridge Dr to Frantz **Design Cost:** \$

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikeway
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

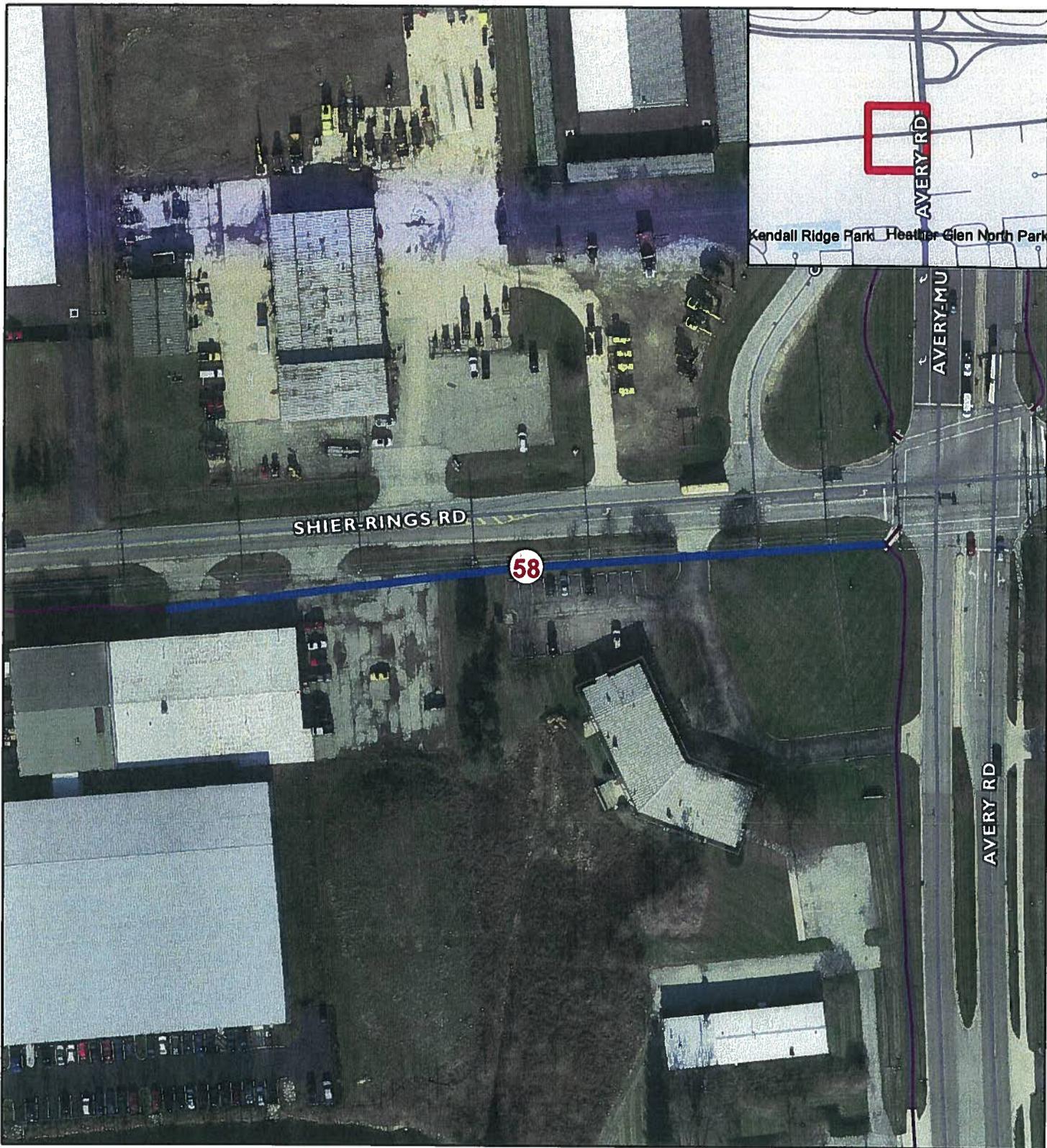
Funding: CIP - Minor

CIP Construction Year: 2019

Type: Bikeway 2,611 ft.

Construction Cost: \$160,950.00

Bikeway Planning - Connections and Additions



Map Number: 58

Name: Shier-Rings Fleet to Avery

Funding: CIP - Minor

Type: Bikepath 570 ft.

CIP Design Year:

Design Cost:\$

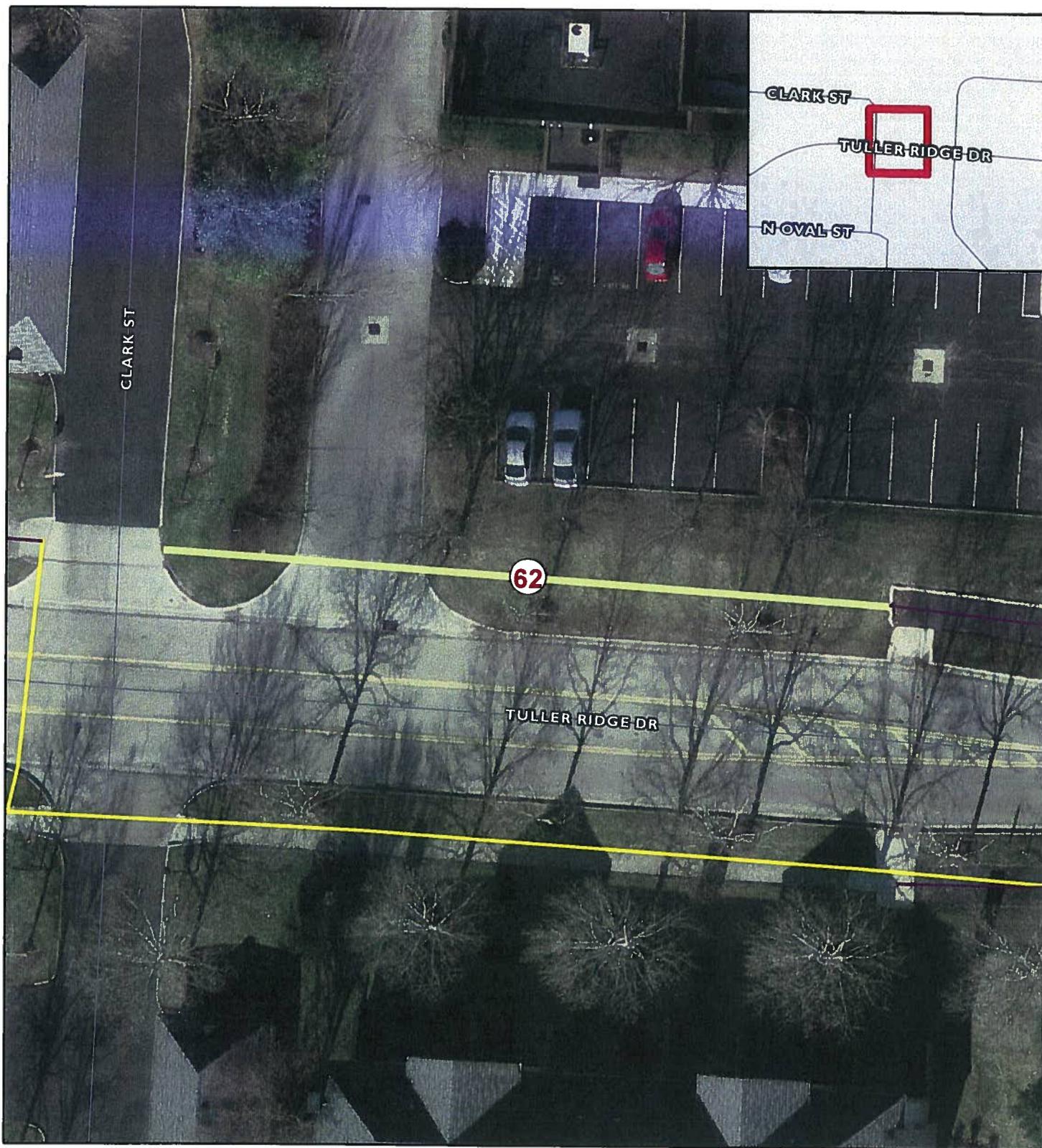
CIP Construction Year: 2015

Construction Cost: \$855,000.00

CIP Construction Year Existing Paths

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

Bikeway Planning - Connections and Additions



Map Number: 62

CIP Design Year: 2017

CIP Construction Year Existing Paths

Name: Tuller Ridge - Clark St To Troutbrook Dr

Design Cost: \$5,000.00

- 2015 — Bikepath
- 2016 — Pedestrian Connector
- 2017 — Pedestrian Trail
- 2018 — Pedestrian Connectors
- 2019
- 2020

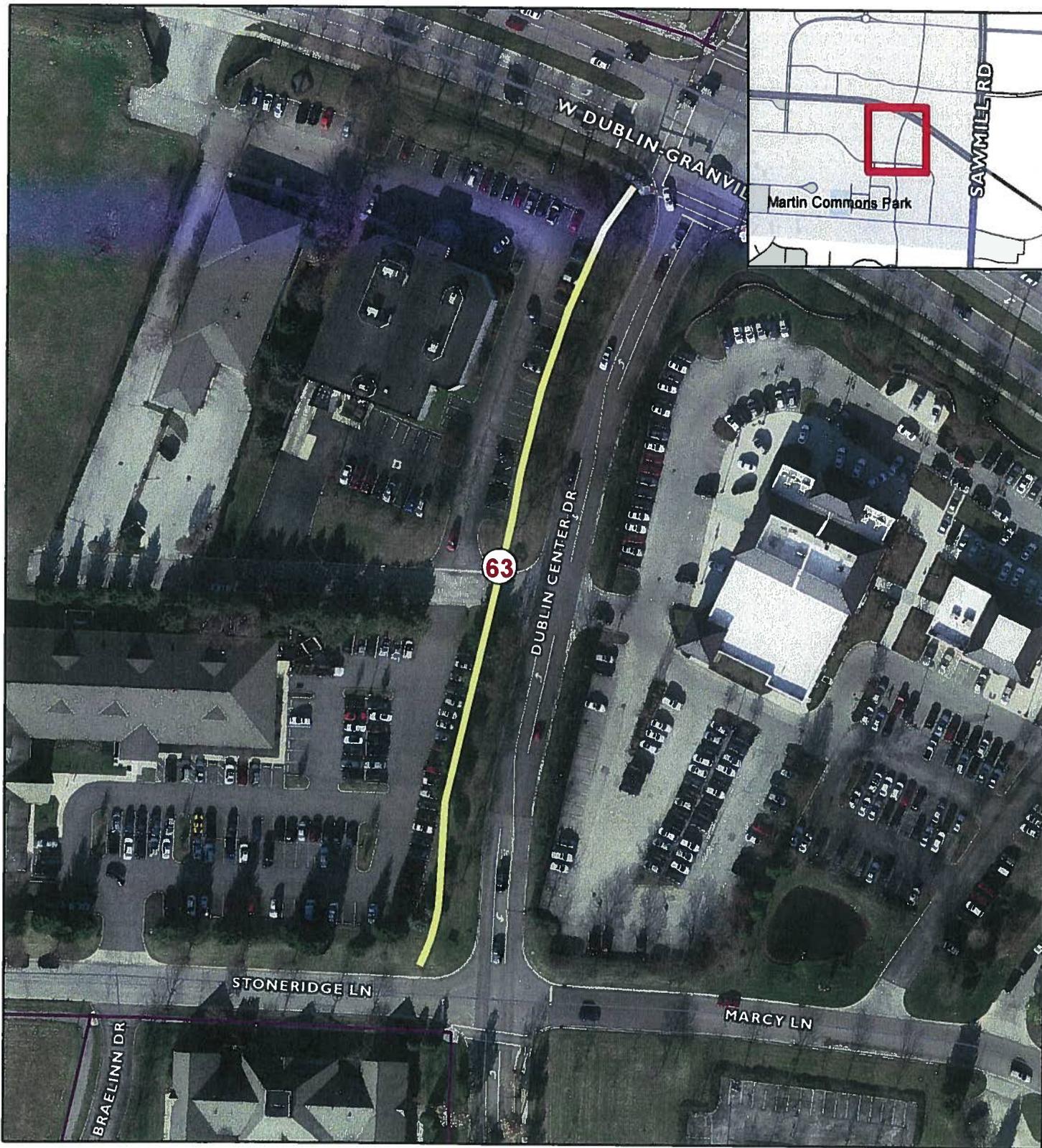
Funding: CIP - Minor

CIP Construction Year: 2018

Type: Bikepath 152 ft.

Construction Cost: \$26,250.00

Bikeway Planning - Connections and Additions



Map Number: 63

Name: Dublin Center Dr - Stoneridge to 161

Funding: CIP - Minor

Type: Bikepath 618 ft.

CIP Design Year:

Design Cost:\$

CIP Construction Year: 2018

Construction Cost: \$93,750.00

CIP Construction Year Existing Paths

- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- Bikepath
- Pedestrian Connector
- Pedestrian Trail
- Pedestrian Connectors

Bikeway Planning - Connections and Additions

2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

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

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

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

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

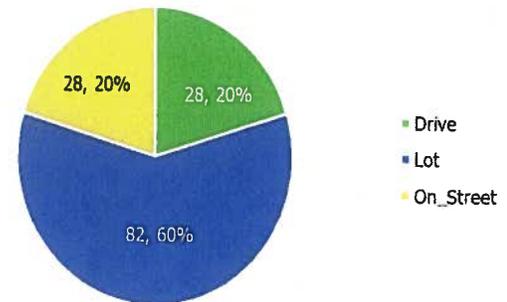
An annual allocation of \$400,000 per year during the five year period has been programmed for parking lot maintenance projects.

2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

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

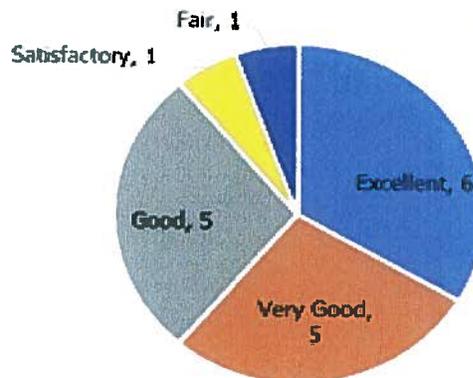
Types of Public Parking Lots



AT1608 Annual Pedestrian Tunnel Maintenance – There are currently 31 pedestrian tunnels within Dublin corporation limits. Of those, 13 meet the Ohio Revised Code’s definition of a bridge¹ and are inventoried and inspected as such; the remaining 18 pedestrian tunnels are included in this work plan.

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

Pedestrian Tunnel Conditions



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

2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

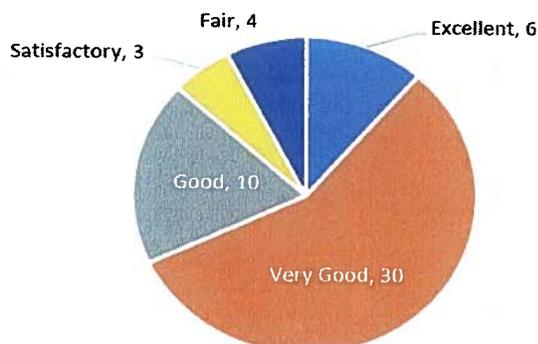
AT1610 Annual Guardrail Replacement and Maintenance – This annual allocation will allow for the guardrails within Dublin to be maintained and/or replaced in compliance with current standards.

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

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

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

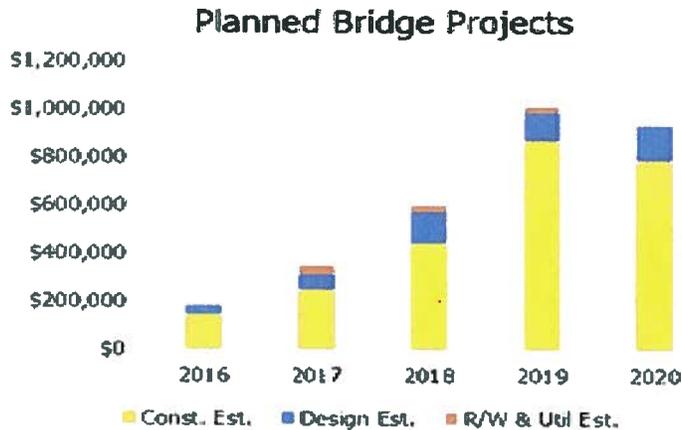
Dublin Maintained Bridge Conditions



2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

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



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

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

2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

Bridge: FRA BRNDW 0.06

SFN: 2568845

Description: BRANDONWAY over N FORK INDIAN RUN

Recommended Repairs:

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

Bridge: Bridge St Boardwalk

SFN: N/A

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

Recommended Repairs:

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





City of Dublin

2016 - 2020 Capital Improvements Program

Transportation – Non-Major Projects

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

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

The westbound school flasher was upgraded in 2014.

13-Transportation Major

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
TRANSPORTATION / MAJOR PROJECTS											
ET0103	Tuttle Crossing Blvd. Ext.-Wilcox Road to Avery Road/Avery Road Widening - Tuttle Crossing to Rings Road East, phase 1 (TIF)	145	400	1,900	0	0	13,140	0	15,040	0	15,040
NEW	Tuttle Crossing Boulevard Extension, phase 2 (TIF)	0	0	0	125	0	0	0	125	0	125
ET0104	Emerald Parkway, phase 8, Tuller/John Shields Parkway/Riverside Drive (TIF)	13,887	9,305	0	0	0	0	0	0	0	0
ET1119	Relocated Rings Road (Churchman Road)	236	350	2,400	0	0	0	0	2,400	1,275	3,675
ET1402	Avery Road Widening - Rings Road E. to Woerner Temple, phase 2 (TIF)	174	615	300	0	0	0	7,975	8,275	0	8,275
ET1301	West Innovation Park Infrastructure - Onsite (TIF)	214	2,635	0	0	0	0	0	0	0	0
ET1403	Riverside Drive Realignment (TIF)	8,950	3,145	0	0	0	0	0	0	0	0
ET1405	John Shields Parkway, phase 1 (TIF)	1,379	345	0	0	0	0	0	0	0	0
ET1409	John Shields Parkway, phase 2 (TIF)	4,580	4,065	7,300	0	0	0	0	7,300	0	7,300
ET1701	Dale Drive Rehabilitation (TIF)	0	0	0	0	0	400	0	400	5,340	5,740
ET1527	Post Road Improvement (TIF)	0	0	0	0	0	400	100	500	2,960	3,460
ET1411	COTA Relocation (TIF)	131	975	0	0	0	0	0	0	0	0
ET0606	Eiterman Road Relocation (TIF)	137	0	340	0	2,640	0	0	2,980	0	2,980
ET0003	US33/SR161/Post Road Interchange	16,508	0	200	125	0	0	23,700	24,025	650	24,675
ET1515	Old Avery Road Relocation	0	0	0	100	0	100	0	200	3,350	3,550
ET1517	Shier Rings Road-Avery Road to Eiterman Road	0	0	0	100	0	100	0	200	2,760	2,960
ET1518	Hyland Croy & Post Preserve Roundabout (TIF)	0	0	0	225	150	1,530	0	1,905	0	1,905
ET1523	Perimeter Drive Widening - Holt Road to Commerce Parkway (TIF)	0	0	0	0	0	0	300	300	5,235	5,535
ET0902	Post Preserve Access Modification (TIF)	191	25	1,585	0	0	0	0	1,585	0	1,585
NEW	Emerald Parkway Deck Overlay	0	0	0	0	0	100	2,500	2,600	0	2,600
NEW	Uncurbed Streets - Mid-Century Neighborhood	0	0	0	0	0	0	0	0	0	0
NEW	University Boulevard Extension, phase 2 (TIF)	0	0	260	0	0	1,800	0	2,060	0	2,060
NEW	Riviera Hyland-Croy Connector	0	0	0	275	1,120	0	0	1,395	0	1,395
NEW	Bridge Park Roadway System (TIF)	0	11,100	0	0	0	0	0	0	0	0
NEW	Bridge Street District Program Management	580	1,780	2,300	0	600	600	0	3,500	0	3,500
NEW	Bridge Park Public Infrastructure (TIF)	0	32,000	0	0	0	0	0	0	0	0
NEW	Graham Street - CASTO Tuller Flats Roadway System (TIF)	0	0	2,340	0	0	0	0	2,340	0	2,340
NEW	Historic District CM Library Street Network	90	1,250	9,400	0	0	0	0	9,400	0	9,400
NEW	Historic District CM Library Parking Deck	0	0	0	6,500	0	0	0	6,500	0	6,500
NEW	John Shields Parkway Bridge	90	150	0	0	0	0	550	550	21,660	22,210
NEW	Western Roadway Alignment Study	0	500	150	0	0	0	0	150	0	150
NEW	N. Riverview Rehabilitation (Extension)	0	385	0	0	2,000	0	0	2,000	0	2,000
NEW	Comprehensive Wayfinding System - Phased City Wide	0	250	705	130	125	95	65	1,120	0	1,120

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
	Intersection Improvements:										
ET0410	Avery-Muirfield/Perimeter Loop/Perimeter Drive (TIF)	3,198	850	0	0	0	650	7,750	8,400	135	8,535
ET0508	Riverside Drive/SR161 (TIF)	6,074	12,215	750	0	0	0	0	750	0	750
ET0605	Sawmill Road/Hard Road (TIF)	681	2,720	10	0	0	0	0	10	0	10
NEW	Sawmill Road Third Southbound Lane Addition	0	75	600	0	300	0	4,875	5,775	0	5,775
NEW	Sawmill Road - Snouffer Road Intersection Improvements	0	125	0	0	0	0	0	0	0	0
ET0809	Hyland Croy-McKintrick Road	0	230	0	0	0	1,220	0	1,220	0	1,220
ET1401	I-270/US 33 Interchange Improvements, phase 1 (TIF)	7,521	15,835	0	0	0	0	0	0	0	0
ET1525	I-270 AEP Overhead to Underground Crossing (TIF)	0	1,105	0	0	0	0	0	0	0	0
ET1102	US 33/SR 161/Post Road Interchange Improvements (TIF)	173	2,580	0	0	0	0	0	0	0	0
ET1521	Muirfield Drive/Memorial Drive Alternatives Analysis	0	65	0	0	0	225	0	225	1,685	1,910
ET1302	SR 161/Hyland Croy Road Temporary Improvement (TIF)	0	40	0	0	300	0	0	300	0	300
ET1406	Avery Road/Brand Road Roundabout (TIF)	0	50	355	2,135	0	0	0	2,490	0	2,490
ET1524	US33/SR161/Frantz Road Intersection (TIF)	0	0	250	0	250	0	0	500	0	500
	Bikeway Connections / Additions:										
ET1203	Dublin Road South	1,232	1,585	0	0	0	0	0	0	0	0
ET1204	Glick Road (sections 1 & 3)	1,696	705	240	0	0	0	0	240	0	240
NEW	Perimeter: Avery-Muirfield to Holt Road (TIF)	0	100	0	0	0	0	0	0	500	500
NEW	Rings Road: Frantz Road to Dublin Road (TIF)	0	70	30	405	0	0	0	435	0	435
NEW	Riverside Drive East	0	0	75	0	0	0	0	75	1,285	1,360
NEW	Shier Rings Road: Eiterman to Cosgray	0	0	0	30	75	255	0	360	0	360
NEW	Concord Road	0	80	35	280	0	0	0	315	0	315
8/7/2015	TOTAL	67,867	107,705	31,525	10,430	7,560	20,615	47,815	117,945	46,835	164,780
	TOTAL (Prior Year 2015-2019)	24,321	56,545	2,825	5,805	585	150	n/a		50,055	115,965
	Percentage Change	179%	90%	1016%	80%	1192%	13643%	n/a		-6%	42%

- Projected increase
- Projected decrease
- Shift in project year
- New Project

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2015-2019

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2014	2015	2016	2017	2018	2019	TOTAL 15-19	BEYOND 2019	TOTAL TO BE BUDGETED
TRANSPORTATION / MAJOR PROJECTS											
ET0103	Tuttle Crossing Blvd. Ext.-Wilcox Road to Avery Road/Avery Road Widening - Tuttle Crossing to Rings Road East, phase 1 (TIF)	145	230	1,900	0	0	0	0	1,900	11,775	13,675
ET0104	Emerald Parkway, phase 8, Tuller/John Shields Parkway/Riverside Drive (TIF)	4,997	8,865	5,400	75	0	0	0	5,475	0	5,475
ET1119	Relocated Rings Road (Churchman Road)	0	235	350	2,250	100	0	0	2,700	790	3,490
ET1202	Frantz Road Utility Burial (TIF)	126	2,000	10	0	0	0	0	10	0	10
ET0810	Frantz Road-Dublin Road Connector (TIF)	229	0	2,650	55	0	0	0	2,705	0	2,705
ET1101	Railroad Quiet Zone - Houchard to Leap	10	0	485	0	0	0	0	485	0	485
ET1402	Avery Road Widening - Rings Road E. to Woerner Temple, phase 2 (TIF)	180	605	165	0	0	0	0	165	7,360	7,525
ET1301	West Innovation Park Infrastructure - Onsite (TIF)	0	355	2,300	0	0	0	0	2,300	3,590	5,890
ET1301	West Innovation Park Infrastructure - Offsite (TIF)	0	0	150	0	0	0	0	150	8,035	8,185
ET1403	Riverside Drive Realignment (TIF)	3,675	490	5,450	75	0	0	0	5,525	0	5,525
NEW	John Shields Parkway, phase 1 (TIF)	0	1,330	0	0	0	0	0	0	0	0
NEW	John Shields Parkway, phase 2 (TIF)	0	4,600	10,100	0	0	0	0	10,100	0	10,100
NEW - ET1407	Dale Drive / Tuller Ridge Drive Temporary Connector (TIF)	0	2,485	0	0	0	0	0	0	0	0
NEW	Dale Drive Rehabilitation (TIF)	0	0	0	0	900	100	0	1,000	7,500	8,500
NEW	Academic Drive, phase 1 (TIF)	0	1,040	5	0	0	0	0	5	0	5
NEW	Post Road Improvement	0	0	0	0	0	400	150	550	2,800	3,350
Intersection Improvements:											
ET0410	Avery-Muirfield/Perimeter Loop/Perimeter Drive (TIF)	3,198	500	650	0	3,500	85	0	4,235	5,100	9,335
ET0508	Riverside Drive/SR161 (TIF)	5,608	2,680	7,790	0	0	0	0	7,790	0	7,790
ET0511	Avery-Muirfield/Tullymore/Valley Stream/Avery Road	75	55	400	65	0	0	0	465	0	465
ET0605	Sawmill Road/Hard Road (TIF)	454	905	1,900	5	0	0	0	1,905	0	1,905
ET0809	Hyland Croy-McKirk Road	0	180	50	0	1,220	0	0	1,270	0	1,270
ET1401	I-270/US 33 Interchange Improvements, phase 1 (TIF)	3,899	6,045	11,165	0	0	0	0	11,165	0	11,165
NEW	I-270 AEP Overhead to Underground Crossing (TIF)	0	0	805	0	0	0	0	805	0	805
ET1003	Dublin Road and Glick Road	193	1,800	5	0	0	0	0	5	0	5
ET1102	US 39/SR 161/Post Road Interchange Improvements (TIF)	34	75	2,600	0	85	0	0	2,685	0	2,685
ET1521	Muirfield Drive/Memorial Drive Alternatives Analysis	0	50	0	0	0	0	0	0	1,955	1,955
ET1302	SR 161/Hyland Croy Road Temporary Improvement (TIF)	0	40	0	300	0	0	0	300	0	300
ET1406	Avery Road/Brand Road (TIF)	0	50	0	0	0	0	0	0	1,150	1,150
Bikeway Connections / Additions:											
ET1203	Dublin Road South	1,095	130	1,405	0	0	0	0	1,405	0	1,405
ET1204	Glick Road	278	120	810	0	0	0	0	810	0	810
ET1104	Muirfield Drive Bike Lanes	125	2,830	0	0	0	0	0	0	0	0
8/7/2014	TOTAL	24,321	37,695	56,545	2,825	5,805	585	150	65,910	50,055	115,965



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Tuttle Crossing Boulevard Extension, phase 2 (Project #NEW)

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

The project is being designed for construction in phases:

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

West Innovation Park infrastructure (Project # ET1301)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Riverside Drive Realignment (Project #ET1403)

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

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

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

2016 - 2020 Capital Improvements Program

Transportation – Major Projects

John Shields Parkway, Phase 1 (Project #ET1405)

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

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



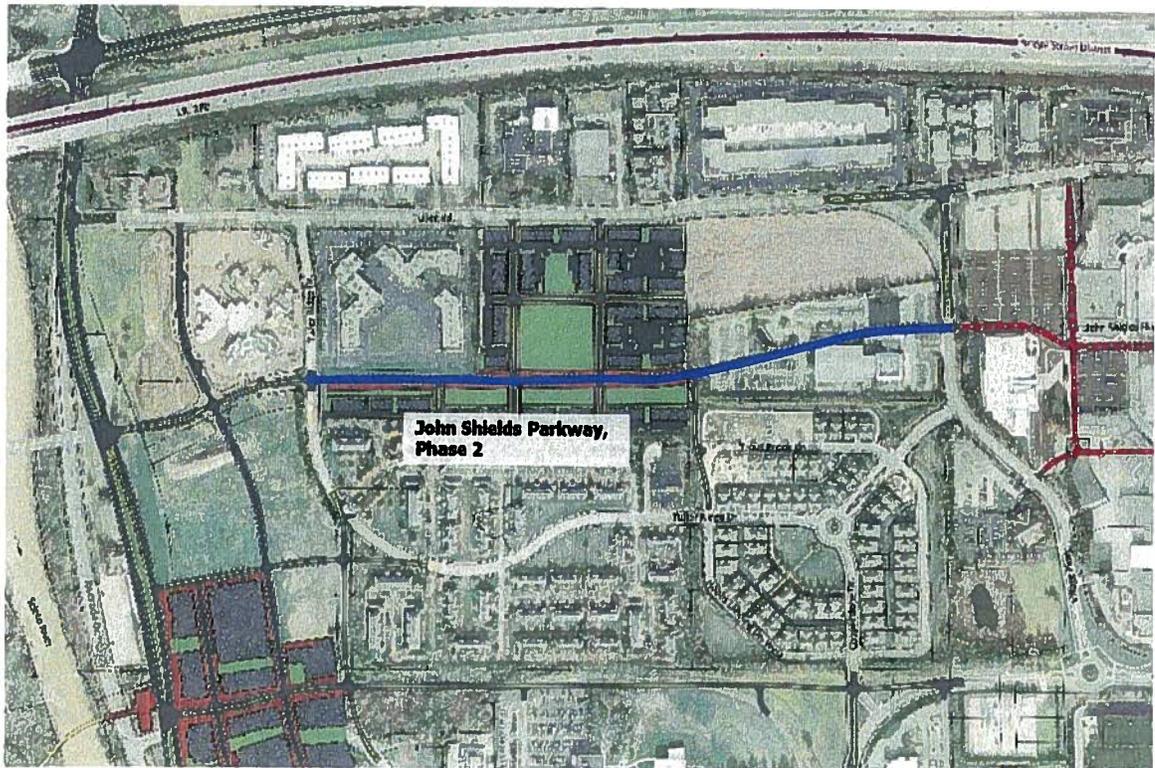
2016 - 2020 Capital Improvements Program

Transportation – Major Projects

John Shields Parkway, phase 2 (Project #ET1409)

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

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





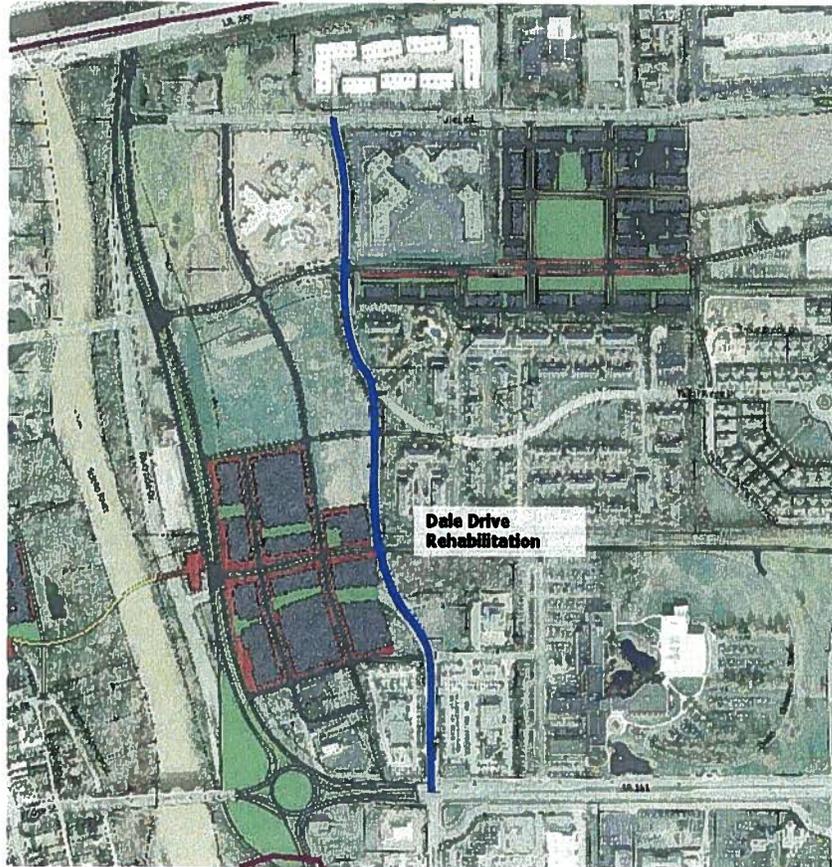
2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Dale Drive Rehabilitation (Project #ET1701)

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

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





2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Post Road Improvement (Project #ET1527)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Eiterman Road Relocation (Project #ET0606)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Old Avery Road Relocation (Project #ET1515)

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Hyland Croy and Post Preserve Roundabout (Project #ET1518)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Perimeter Drive Widening - Holt Road to Commerce Parkway (ET1523)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Post Preserve Access Modification (Project #ET0902)

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

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

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

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

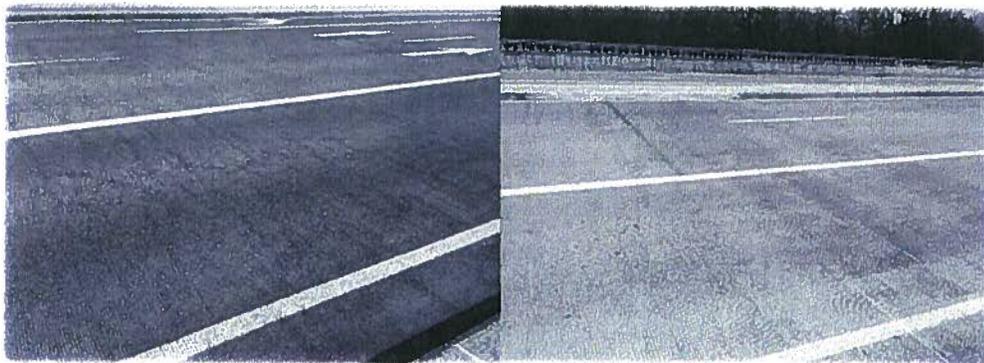
2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Emerald Bridge (Scioto) Deck Overlay (Project #NEW)

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

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



(Depiction of current deck condition)

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Uncurbed Streets – Mid-Century Neighborhood (Project #NEW)

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

Funding is currently not programmed for this project.



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

University Boulevard Extension, phase 2 (Project #NEW)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Riviera Hyland Croy Connector (Project #NEW)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Bridge Park Roadway System (Project #NEW)

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Bridge Street District Program Management (Project #NEW)

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Bridge Park Public Infrastructure (Project #NEW)

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

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

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

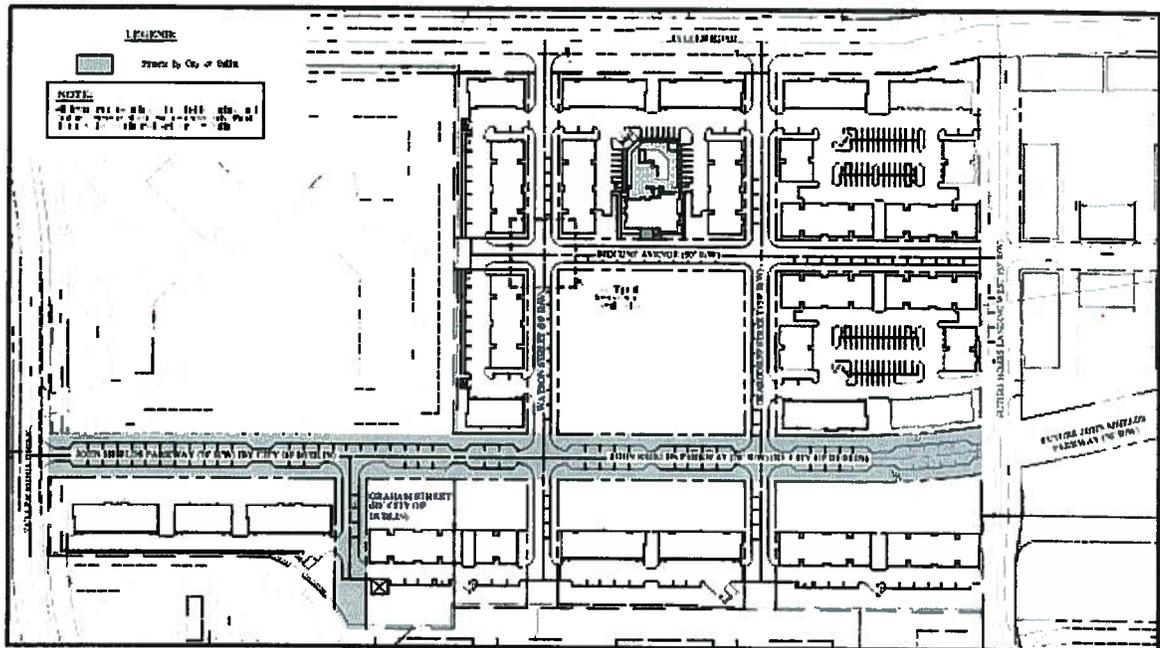
The construction of these public improvements, programmed in 2015, will be funded by bond proceeds with the repayment of the debt coming from TIF revenues received within Blocks B and C of the Bridge Park Development, further backed by a minimum service payment guarantee by the Developer.

2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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



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

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

2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Historic District CM Library Street Network (Project #NEW)

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

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



Design is programmed in 2015 with construction and utility relocation programmed in 2016. The construction of these public improvements will be funded by debt issuance.



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Historic District CM Library Parking Deck (Project #NEW)

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

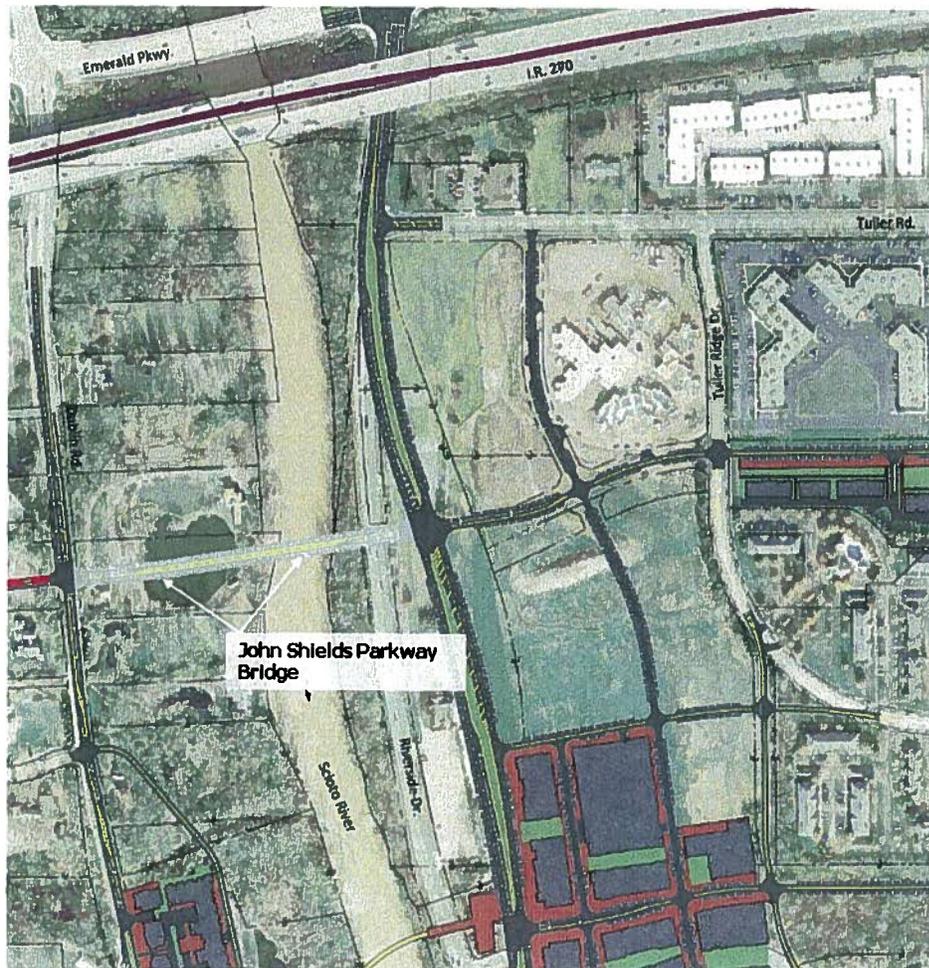
This project is programmed for construction in 2017 and will be funded through debt issuance.

2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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



2016 - 2020 Capital Improvements Program

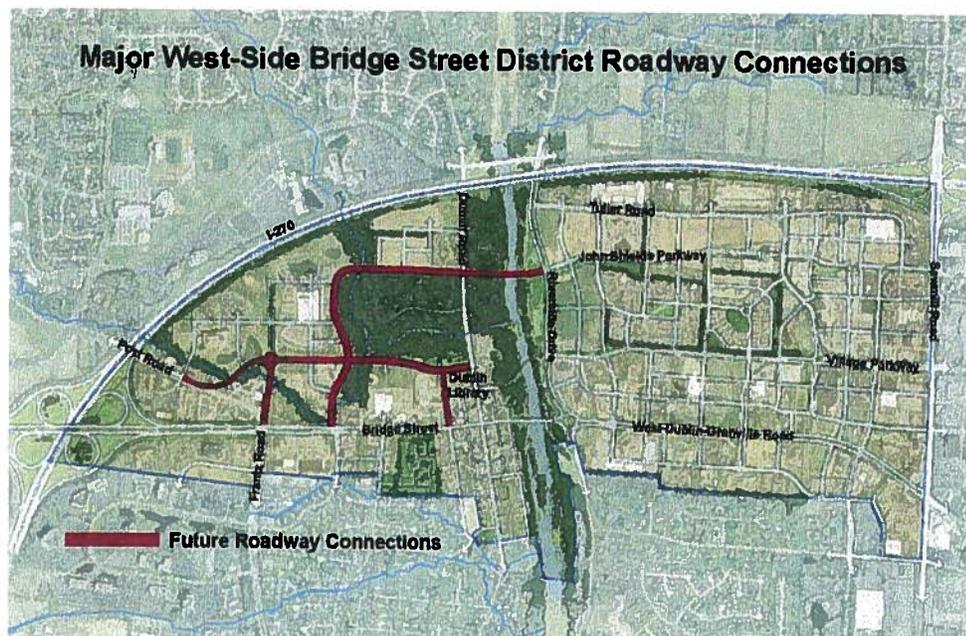
Transportation – Major Projects

Western Roadway Network Alignment Study (Project #NEW)

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

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

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



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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

N. Riverview Rehabilitation (Extension) (Project #NEW)

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

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

This project will be funded through debt issuance.



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Comprehensive Wayfinding System – Phased City Wide (Project #NEW)

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

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

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Riverside Drive/SR 161 (Project #ET0508)

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Sawmill Road/Hard Road (Project #ET0605)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Sawmill Road Third Southbound Lane Addition (Project #NEW)

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Sawmill Road – Snouffer Road Intersection Improvements (Project #NEW)

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

Construction is programmed in 2015.

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

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

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

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

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Bikeway Connections/Additions

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

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

Glick Road shared-use path (Project #ET1204)

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

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

Perimeter Drive shared-use path (Project #NEW)

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Bikeway Connections/Additions (continued)

Rings Road shared-use path (Project #NEW)

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

Riverside Drive East shared-use path (Project #NEW)

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

Shier Rings Road shared-use path (Project #NEW)

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



2016 - 2020 Capital Improvements Program

Transportation – Major Projects

Bikeway Connections/Additions (continued)

Concord Road (Project #NEW)

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

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2015	2016	2017	2018	2019	2020	TOTAL 16-20	BEYOND 2020	TOTAL TO BE BUDGETED
TRANSPORTATION / MAJOR PROJECTS - BEYOND 2020											
ET0901	US 33 Widening from Avery-Muirfield Drive to Post Road	0	0	0	0	0	0	0	0	2,240	2,240
ET1103	Riverside Drive/Summitview Drive	0	0	0	0	0	0	0	0	575	575
ET1506	Shier Rings Road-Avery Road to Emerald Parkway	0	0	0	0	0	0	0	0	5,350	5,350
ET1513	Shier Rings Road-Cosgray Road to Houchard Road	0	0	0	0	0	0	0	0	1,680	1,680
ET1516	Shier Rings Road-Eiterman Road to Cosgray Road	0	0	0	0	0	0	0	0	1,760	1,760
ET1509	Cosgray Road Improvements	0	0	0	0	0	0	0	0	850	850
NEW	Bridge Park Avenue Extended, phase 2 (TIF)	810	0	0	0	0	0	0	0	11,725	11,725
NEW	Riverside Drive West Shared Use Path	0	0	0	0	0	0	0	0	245	245
NEW	SR161/Cosgray Road Roundabout Improvement	0	0	0	0	0	0	0	0	1,440	1,440
9/7/2015	TOTAL	810	0	25,865	25,865						

- Projected increase
- Projected decrease
- Shift in project year
- New Project

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2015-2019

REF. NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2014	2015	2016	2017	2018	2019	TOTAL 15-19	BEYOND 2019	TOTAL TO BE BUDGETED
TRANSPORTATION / MAJOR PROJECTS - BEYOND 2019											
ET0609	COIC #1-West Area Improvements	0	0	0	0	0	0	0	0	2,235	2,235
ET0606	COIC #3- Eiterman Road Relocation	137	0	0	0	0	0	0	0	3,725	3,725
ET0003	COIC #6-US33/SR 161/Post Road Interchange	16,508	0	0	0	0	0	0	0	24,750	24,750
ET0902	COIC #7-Post Preserve Access Modification	191	0	0	0	0	0	0	0	1,565	1,565
ET0901	US 33 Widening from Avery-Muirfield Drive to Post Road	0	0	0	0	0	0	0	0	2,240	2,240
ET1002	Blazer Parkway/Frantz Road (TIF)	0	0	0	0	0	0	0	0	675	675
ET1103	Riverside Drive/Summitview Drive	0	0	0	0	0	0	0	0	575	575
ET1506	Shier Rings Road-Avery Road to Emerald Parkway	0	0	0	0	0	0	0	0	5,350	5,350
ET1508	Rings Road-west of Avery Road	0	0	0	0	0	0	0	0	6,125	6,125
ET1509	Cosgray Road Improvements-Proposed Street Intersection	0	0	0	0	0	0	0	0	850	850
ET1513	Shier Rings Road-Cosgray Road to Houchard Road	0	0	0	0	0	0	0	0	1,680	1,680
ET1515	Old Avery Road Relocation	0	0	0	0	0	0	0	0	3,350	3,350
ET1516	Shier Rings Road-Eiterman Road to Cosgray Road	0	0	0	0	0	0	0	0	1,760	1,760
ET1517	Shier Rings Road-Avery Road to Eiterman Road	0	0	0	0	0	0	0	0	1,740	1,740
ET1518	Hyland Croy & Post Preserve Roundabout	0	0	0	0	0	0	0	0	1,300	1,300
ET1520	Emerald Parkway/Shier Rings Road Improvements	0	0	0	0	0	0	0	0	900	900
ET1523	Perimeter Widening - Holt Road to Commerce Parkway	0	0	0	0	0	0	0	0	4,800	4,800
ET1524	US33/SR 161/Frantz Road Intersection	0	0	0	0	0	0	0	0	0	0
ET1404	Dublin Village Center Roadway Network	0	0	0	0	0	0	0	0	6,000	6,000
NEW	Park Avenue, phase 2 (TIF)	0	0	0	0	0	0	0	0	10,130	10,130
8/7/2014	TOTAL (All Transportation)	41,157	37,695	56,545	2,825	5,805	585	150	65,910	129,805	195,715



2016 - 2020 Capital Improvements Program

Transportation – Major Projects (Beyond 2020)

The following provides a brief description of major transportation projects not programmed in the five-year period:

US 33 widening from Avery-Muirfield Drive Post Road (Project #ET0901)

- This project allows for the construction of additional outside auxiliary lanes from Avery-Muirfield Drive to Post Road. This project has been programmed beyond the five year period. Plans are to fund this project with service payments from the Upper Metro Place TIF. Based on a preliminary safety study, it is yet to be determined the best way to proceed with this project. As more definitive information is gathered, programming will be adjusted as needed.

Riverside Drive/Summitview Intersection Improvements (Project #ET1103) - Provides for additional left turn lanes, traffic signal upgrade and landscaping. A temporary signal has been in place.

Shier Rings Road - Avery Road to Emerald Parkway (Project #ET1506)

- Provides for the reconstruction of the roadway from two lanes to three lanes with curb and gutter, street lights, bike path and stormwater improvements. This project was deferred based on the positive impact of the Emerald Parkway overpass. A portion of this project will be funded by the Shier Rings Road TIF District (Hidaka).

Shier Rings Road - Cosgray to Houchard (Project #ET1513) - Provides for the extension of the roadway. The roadway will be three lanes with curb and gutter.

Shier Rings Road - Eiterman Road to Cosgray Road (Project #ET1516)

- Provides for the upgrade of the existing two lane road with ditches to a three lane road with curb and gutter.

Cosgray Road Improvements – Proposed Street Intersection (Project #ET1509)

- This project provides for new pavement, addition of a left turn lane, drainage and grading, and shoulder work on Cosgray Road. The project reduces the potential conflict with left turn movements. Further evaluation will prioritize the turn lane location.



2016 - 2020 Capital Improvements Program

Transportation – Major Projects (Beyond 2020)

Bridge Park Avenue, phase 2 (Project #NEW) - This project provides for construction of a portion of Bridge Park Avenue between Dale Drive and Shamrock Boulevard (approximately 2,000 feet). The project will include water lines, sanitary sewer, storm sewer, parallel parking, one-way cycle tracks and street lighting. Additional phases of the roadway will provide a turn lane at realigned Riverside Drive and a connection from Riverside Drive to Dale Drive. It is anticipated that the project will be funded through service payment revenue from a future Bridge Street District TIF.

Riverside Drive West Shared-Use Path (Project #NEW) - This project will design and construct approximately 950 feet of eight foot asphalt shared use path. The project location is on the west side of Riverside Drive between Emerald Parkway and the Dublin Arts Council building at 7125 Riverside Drive. This project is dependent on parkland acquisition on Riverside Drive.

SR 161/Cosgray Road Roundabout (Project #NEW) - This project constructs a new roundabout at the SR161 and Cosgray Road intersection. This project was identified as part of the West innovation Park (Cosby Business Park) study. The Dublin Green (Costco) study has also identified this intersection for improvements. The developer and adjacent jurisdictions will be seeking funding participation from multiple parties to make improvements.

This intersection has long been understood to need safety and capacity improvements. While the intersection is not in Dublin's jurisdiction, Ohio University (OU) and many other developments in Dublin are nearby and would benefit from improvements. This project will also require widening SR 161 from two lanes to four lanes from Industrial Parkway to west of Cosgray Road.

Future funding in the Capital Improvements Program (CIP) assumes participation from Union County and ODOT. Consequently, the amount shown beyond 2020 does not reflect the entire cost of the project.

14-Water

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

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

WATER DISTRIBUTION SYSTEM \ NONMAJOR PROJECTS

AW1001	Water Line Replacement	809	0	550	70	580	70	600	1,870	670	2,540
AW0604	Booster Station Maintenance	662	55	0	0	0	0	0	0	0	0
EW0102	Water Tower Maintenance	1,684	0	0	0	0	0	0	0	350	350
EW1301	Water Quality Units	0	0	315	0	0	0	0	315	0	315
8/7/2015	TOTAL	3,155	55	865	70	580	70	600	2,185	1,020	3,205
	TOTAL (Prior Year 2015-2019)	2,570	360	550	70	880	0	n/a		670	2,530
	Percentage Change	23%	-85%	57%	0%	-34%	100%	n/a		52%	27%

WATER DISTRIBUTION SYSTEM \ MAJOR PROJECTS

EW1101	Rings Road Waterline	0	0	80	650	0	0	0	730	0	730
EW1601	Water Line Extensions	0	0	0	0	175	375	555	1,105	0	1,105
NEW	Tuswell Drive Waterline	0	0	15	120	0	0	0	135	0	135
8/7/2015	TOTAL	0	0	95	770	175	375	555	1,970	0	1,970
	TOTAL (Prior Year 2015-2019)	0	200	930	200	200	200	n/a		0	1,730
	Percentage Change	0%	-100%	-90%	285%	-13%	88%	n/a		0%	14%

- Projected increase
- Projected decrease
- Shift in project year
- New project

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2015-2019

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2014	2015	2016	2017	2018	2019	TOTAL 15-19	BEYOND 2019	TOTAL TO BE BUDGETED
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WATER DISTRIBUTION SYSTEM \ NONMAJOR PROJECTS

AW1001	Water Line Replacement	235	550	0	550	70	580	0	1,200	670	1,870
AW0604	Booster Station Upgrades	656	0	55	0	0	0	0	55	0	55
EW0102	Water Tower Maintenance	1,679	325	305	0	0	300	0	605	0	605
EW1301	Water Quality Units	0	315	0	0	0	0	0	0	0	0
8/7/2014	TOTAL	2,570	1,190	360	550	70	880	0	1,860	670	2,530

WATER DISTRIBUTION SYSTEM \ MAJOR PROJECTS

EW1101	Rings Road Waterline	0	0	0	730	0	0	0	730	0	730
EW1501	Reserve for Water Extensions	0	200	200	200	200	200	200	1,000	0	1,000
8/7/2014	TOTAL	0	200	200	930	200	200	200	1,730	0	1,730



2016 - 2020 Capital Improvements Program

Water Distribution System - Non-Major Projects

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

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

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

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

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

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

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



2016 - 2020 Capital Improvements Program

Water Distribution System - Major Projects

Rings Road Waterline (Project # EW1101)

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

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



2016 - 2020 Capital Improvements Program

Water Distribution System - Major Projects

Water Line Extensions (Project #EW1601)

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

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



2016 - 2020 Capital Improvements Program

Water Distribution System - Major Projects

Tuswell Drive Waterline (Project #NEW)

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

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

15-Stormwater

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2016-2020

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

AF1601	Annual Stormwater Maintenance	0	560	560	560	575	575	585	2,855	0	2,855
8/7/2015	TOTAL	0	560	560	560	575	575	585	2,855	0	2,855
	TOTAL (Prior Year 2015-2019)	0	560	560	560	560	560	n/a		0	2,800
	Percentage Change	0%	0%	0%	0%	3%	3%	n/a		0%	2%

STORMWATER SYSTEM \ MAJOR PROJECTS

EF0201	Stormwater Improvements	2,837	495	0	50	485	300	480	1,315	410	1,725
8/7/2015	TOTAL	2,837	495	0	50	485	300	480	1,315	410	1,725
	TOTAL (Prior Year 2015-2019)	2,832	495	50	485	240	240	n/a		0	1,510
	Percentage Change	0%	0%	-100%	-90%	102%	25%	n/a		0%	14%

-  - Projected Increase
-  - Projected decrease
-  - Shift in project year
-  - New project

CITY OF DUBLIN
 CAPITAL IMPROVEMENT PROJECTS
 2015-2019

PROJECT NO.	PROJECT DESCRIPTION	PRIOR YEARS (\$000)	2014	2015	2016	2017	2018	2019	TOTAL 15-19	BEYOND 2019	TOTAL TO BE BUDGETED
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STORMWATER SYSTEM \ NONMAJOR PROJECTS

AF1501	Annual Stormwater Maintenance	0	560	560	560	560	560	560	2,800	0	2,800
8/7/2014	TOTAL	0	560	560	560	560	560	560	2,800	0	2,800

STORMWATER SYSTEM \ MAJOR PROJECTS

EF0201	Stormwater Improvements	2,832	75	495	50	485	240	240	1,510	0	1,510
8/7/2014	TOTAL	2,832	75	495	50	485	240	240	1,510	0	1,510



2016 - 2020 Capital Improvements Program

Stormwater System - Non-Major Projects

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

The yearly allocation is used to fund two projects:

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

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



2016 - 2020 Capital Improvements Program

Stormwater System - Major Projects

Stormwater Improvements (Project #EF0201)

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

The following project costs have been estimated:

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



2016 - 2020 Capital Improvements Program

Stormwater System - Major Projects

Stormwater Improvements (Project #EF0201) (continued)

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

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

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