City of Dublin

Office of the City Manager
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Memo

To: Members of Dublin City Council

From: Dana L. McDaniel, City Manager

Date: August 4, 2016

Initiated By: Angel L. Mumma, Director of Finance
Melody Kennedy, Budget Manager

Re: Ordinance No. 26-16 - Adopting the 2017 - 2021 Five Year Capital Improvements Program (CIP)

Summary

The Administration's proposed Capital Improvements Program (CIP) for 2017 - 2021 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 Monday, August 15 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. 26-16, which is scheduled for the September 12 Council meeting.

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 2016 - 2020 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 2017 – 2021 CIP is to be reviewed by City Council during a workshop scheduled for Monday, August 15, 2016. 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. 26-16 at the second reading/public hearing on September 12, 2016.

RECORD OF ORDINANCES

Dayton Legal Blank, Inc. Form No. 30043

Ordinance No. **26-16** *Passed* _____, *20*____

AN ORDINANCE ADOPTING THE 2017-2021 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 2017-2021; and

WHEREAS, the CIP represents a long-term financial plan that 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 2017-2021 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 _____, 2016

_____
Mayor – Presiding Officer

ATTEST:

_____
Clerk of Council

City of Dublin

2017-2021

Proposed Capital Improvements Program

2017 – 2021

Capital Improvements Program Schedule

2016

April 05	Memo to Directors	
May 16	Submit Project Forms to Finance	
May 16*	3:00-4:30	Parks & Recreation – Matt Earman
May 17*	1:30-2:00	Police – Heinz von Eckartsberg
May 18*	10:30-12:00	Bridge Street – Terry Foegler, Mandy Bishop, Megan O'Callaghan, Donna Goss, Matt Earman
June 7*	1:00-4:00	Public Works – Megan O'Callaghan
June 7*	9:00-10:00	Information Technology – Doug McCollough
June 7*	11:00-11:30	Development – Donna Goss
July 28	Advertise Ordinance Title	
August 5**	Packet Distribution	
August 10	1st Reading of City Council	
August 15	**Council Workshop**	
Sept 12***	2nd Reading of City Council	

* - Directors to bring copies of their worksheets and any supplemental information to the meeting.
** - Binders to Clerk of Council for packet distribution by August 3.
*** - Final CIP document to Clerk of Council for packet distribution by September 8.

1 Overview

2 Proposed Funded Projects

3 Resources

4 Administration

5 Facilities

6 Fleet

7 Parks

8 Police

9 Sanitary Sewer

10 Stormwater

11 Technology

12 Transportation – Bicycles & Pedestrian

13 Transportation – Bridges & Culverts

14 Transportation – Streets & Parking

15 Water

AVERY

1-Overview

City of Dublin

2017 - 2021 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 and the final document will be prepared.
- The final CIP document contains:
  - A recap of the CIP process;
  - Financial guidelines;
  - Revenue projections for income tax, water and sewer fees;
  - Information on the City's outstanding debt and a projected long-term debt schedule; and
  - A schedule and description of the funded projects, including estimated costs and fund year.

Administrative Processes in Preparing the Proposed CIP

- Project forms, including projects in the current program, were distributed to department/division heads in early April requesting new projects and to update information on current projects.
- 2016 projections were updated for the General Fund and the Capital Improvements Tax Fund to determine year-end resources that will be available for carry forward.
- Based on current projections and allowances for reserves, we are estimating there will be approximately $2.0 million in the Capital Improvements Tax Fund to carry forward from 2016 for capital projects in the future. Additionally, Staff has proposed a transfer of $6,360,000 and an advance of $2,395,000 from the

General Fund to help fund capital projects. These transfers and advances from the General Fund are in addition to a proposed $2,053,875 transfer from the General Fund to the Capital Improvements Tax Fund at the end of 2016. The actual transfer is dependent on Council's adoption of a General Fund Balance Policy as well as the actual year-end fund balance within the General Fund.

- Income tax projections are reviewed and updated for the five-year period.

  In the 2016 Operating Budget, revenue from local income tax was projected to be $83,285,000 with 75%, or $62,463,750 programmed in the General Fund to be used for operating expenditures, and 25% or $20,821,250 programmed in the Capital Improvements Tax Fund to be used for capital projects. This amount reflected a 5.1% decrease over 2015 actual collections.

  Based on income tax receipts through June 30, 2016, Staff have revised the 2016 income tax estimate upwards by 2.8% to reflect anticipated revenue of $85,590,000, an increase of $2,305,000. This revised projection has been utilized as a basis for the City's revenue as part of the 2017-2021 Capital Improvements Program (CIP). While this revised projection still reflects a 2.5% reduction over the 2015 actual receipts, it takes into account an anticipated reduction in income tax revenue from Nationwide beginning in the second half of 2016.

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

- Debt schedules were updated.
  - Debt capacity for future years was evaluated.
  - It is anticipated that the City will issue debt in 2017 to cover the cost to renovate City facilities, to construct phase I of the Riverside Drive Park, construct the Dublin Branch of the Columbus Metropolitan Library street network, along with a parking structure, and construct the Scioto River Pedestrian Bridge. Future service payments generated within the Bridge Street District (District) may be used to fund the annual debt service on projects located within the District.

- 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.

City of Dublin

2017 - 2021 Capital Improvements Program

- After discussions with Departmental 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;
  - Community surveys;
  - Grant funding opportunities;
  - Commitments made by the City of Dublin;
  - Maintenance and rehabilitation of existing City facilities and infrastructure;
  - Economic development opportunities;
  - Technology improvements;
  - Enhancements within the community

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. 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.

    - 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

The following spreadsheets reflect the recommended projects to be funded within the five year period.

Each project is listed along with the programmed amount reflected in the applicable year. When funding is provided from sources other than the revenue in the Capital Improvements Tax Fund (i.e. other funds, debt, or grants), it is noted with the estimated funding from other sources deducted from the overall project costs. As such, the sum of the projects reflects the net impact on the Capital Improvements Tax Fund.

Staff has also include a 'Total Project' line which reflects the full cost of the proposed projects, regardless of the funding source. This total line corresponds to the detailed spreadsheet provided in each section of the CIP document.

Example:

Section 4 - ADMINISTRATION	2017	2018	2019	2020	2021	Total 2017-2021
Annual Allocation for Land Acquisition	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000
Annual Allocation for Parkland Acquisition	$ 650,000	$ 650,000	$ 650,000	$ 650,000	$ 650,000	$ 3,250,000
Annual Allocation for Contingencies	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 1,250,000
Annual Allocation for Sewer Extensions	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 2,000,000
Less: Parkland Acquisition Fund	$ (650,000)	$ (650,000)	$ (650,000)	$ (650,000)	$ (650,000)	$ (3,250,000)
	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 5,750,000
ADMINISTRATION: TOTAL PROJECTS	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 9,000,000

This line represents the net impact on the Capital Improvements Tax Fund.

This line represents the full cost of the projects and corresponds to the detailed spreadsheet behind each section's tab.

2017-2021 CIP
Recap of Recommended Projects, Available Resources

Section 4 - ADMINISTRATION	2017	2018	2019	2020	2021	Total 2017 - 2021
Annual Allocation for Land Acquisition	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000
Annual Allocation for Parkland Acquisition	$ 650,000	$ 650,000	$ 650,000	$ 650,000	$ 650,000	$ 3,250,000
Annual Allocation for Contingencies	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 1,250,000
Annual Allocation for Sewer Extensions	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 2,000,000
Less: Parkland Acquisition Fund (Annual Allocation for Parkland Acquisition)	$ (650,000)	$ (650,000)	$ (650,000)	$ (650,000)	$ (650,000)	$ (3,250,000)
	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 5,750,000
ADMINISTRATION: TOTAL PROJECTS	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 9,000,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 5 - FACILITIES						
MAINTENANCE						
DAC Interior Renovations	$ 25,000	$ 20,000	$ -	$ -	$ -	$ 45,000
DAC Plumbing	$ 45,000	$ -	$ -	$ -	$ -	$ 45,000
Chamber Building	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
City Hall/Annex	$ 110,000	$ 174,000	$ 27,000	$ -	$ -	$ 311,000
Fleet Maintenance Building	$ 115,000	$ -	$ -	$ -	$ -	$ 115,000
Parks	$ 110,000	$ 19,000	$ 10,000	$ -	$ -	$ 139,000
Service Center	$ 80,000	$ 128,000	$ -	$ -	$ -	$ 208,000
DCRC	$ 203,000	$ 152,000	$ 120,000	$ 25,000	$ -	$ 500,000
South Pool	$ 36,000	$ -	$ -	$ -	$ -	$ 36,000
Small In-House Renovations	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
HVAC & Pump Replacements	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
Carpet/Flooring Replacements	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
Painting/Patching Walls (as needed)	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 150,000
Rounding	$ 1,000	$ 2,000	$ 3,000	$ -	$ -	$ 6,000
Less: Hotel/Motel Tax Fund (DAC Interior Renovations)	$ (25,000)	$ (20,000)	$ -	$ -	$ -	$ (45,000)
Less: Hotel/Motel Tax Fund (DAC Plumbing)	$ (45,000)	$ -	$ -	$ -	$ -	$ (45,000)
	$ 810,000	$ 605,000	$ 290,000	$ 155,000	$ 130,000	$ 1,990,000
RENOVATIONS/IMPROVEMENTS						
5800 Building Renovation	$ 3,480,000	$ -	$ -	$ -	$ -	$ 3,480,000
Salt Barn	$ 465,000	$ -	$ 500,000	$ -	$ -	$ 965,000
Pool Tile Replacement (DCRC)	$ 230,000	$ -	$ -	$ -	$ -	$ 230,000
Less: Debt (5800 Building Renovations/Roof, Salt Barns)	$ (3,945,000)	$ -	$ (500,000)	$ -	$ -	$ (4,445,000)
	$ 230,000	$ -	$ -	$ -	$ -	$ 230,000
FACILITIES: TOTAL PROJECTS	$ 5,055,000	$ 625,000	$ 790,000	$ 155,000	$ 130,000	$ 6,755,000

Miscellaneous projects for consideration which are not programmed (costs are estimates only):

Acquisition of Corazon	$ 8,000,000
Athletic Complex (see Note A)	$ 5,000,000
Cultural / Performing Arts Center (see Note B)	$ 25,000,000
Recreation Center Expansion	$ 15,000,000
New City Hall Building	unknown
Solar Installation at Various City Facilities	$ 3,500,000
Chiller Ice Rink (see Note C)	$ 2,000,000

Notes:
A - Land is estimated to cost between $5,000,000 and $7,500,000 with improvement costs unknown
B - Cost is estimated between $25,000,000 and $40,000,000
C - Cost is estimated to be upward of $12,000,000 ($2,000,000 for upgrade of mechanical systems and cosmetic facelift, and $10,000,000 for a third sheet of ice.

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 6 - FLEET						
MAINTENANCE						
Vehicle Replacement	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 5,000,000
Equipment Replacement	$ 405,000	$ 420,000	$ 535,000	$ 330,000	$ 100,000	$ 1,790,000
Less: Sewer Fund (Vehicle Replacement)	$ (450,000)	$ -	$ -	$ -	$ -	$ (450,000)
Less: Hotel/Motel Tax Fund (Equipment Replacement)	$ -	$ (25,000)	$ -	$ -	$ (25,000)	$ (50,000)
	$ 955,000	$ 1,395,000	$ 1,535,000	$ 1,330,000	$ 1,075,000	$ 6,290,000
NEW (ADDITIONS TO THE FLEET)						
Vehicles	$ 230,000	$ 205,000	$ 40,000	$ -	$ -	$ 475,000
Equipment	$ 110,000	$ 25,000	$ -	$ 25,000	$ 25,000	$ 185,000
Less: Grant Funding (Vehicles - Incident Dispatch Team Response)	$ -	$ (180,000)	$ -	$ -	$ -	$ (180,000)
	$ 340,000	$ 50,000	$ 40,000	$ 25,000	$ 25,000	$ 480,000
FLEET: TOTAL PROJECTS	$ 1,745,000	$ 1,650,000	$ 1,575,000	$ 1,355,000	$ 1,125,000	$ 7,450,000

Miscellaneous projects for consideration which are not programmed (costs are estimates only):

Trolley Car (see Note A)	$ 100,000
Bus Circulators/Shuttles (see Note B)	$ 75,000

Notes:
A - The amount reflects the estimated cost of a new trolley car.
B - A City transport service would require handicapped accessibility and preferably would run on CNG.

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 7 - PARKS						
MAINTENANCE						
Park Maintenance	$ 910,000	$ 800,000	$ 800,000	$ 800,000	$ 800,000	$ 4,110,000
Public Art Maintenance	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 75,000
Less: Hotel/Motel Tax Fund (Public Art Maintenance)	$ (15,000)	$ (15,000)	$ (15,000)	$ (15,000)	$ (15,000)	$ (75,000)
	$ 910,000	$ 800,000	$ 800,000	$ 800,000	$ 800,000	$ 4,110,000
RENOVATIONS/IMPROVEMENTS						
Allocation for Bike Rack Installation	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
DAC Site Renovations	$ 30,000	$ 350,000	$ 35,000	$ 400,000	$ -	$ 815,000
Llewellyn Farms South	$ -	$ -	$ 100,000	$ -	$ -	$ 100,000
IGS Park	$ -	$ -	$ 30,000	$ 150,000	$ -	$ 180,000
Barronsmore Mound (Ballantrae)	$ -	$ -	$ -	$ 115,000	$ -	$ 115,000
Darree Fields Development	$ -	$ 290,000	$ -	$ -	$ -	$ 290,000
Amerleigh Park	$ -	$ -	$ -	$ 75,000	$ -	$ 75,000
Emerald Fields (NE Quad Park)	$ 225,000	$ -	$ -	$ -	$ -	$ 225,000
Coffman Park Expansion	$ 300,000	$ -	$ -	$ -	$ -	$ 300,000
Holder-Wright Farm and Earthworks	$ 80,000	$ -	$ -	$ -	$ -	$ 80,000
Riverside Drive Park	$ 9,400,000	$ 1,000,000	$ 7,000,000	$ 1,900,000	$ -	$ 19,300,000
Dublin Community Pool North	$ -	$ -	$ 760,000	$ 5,000,000	$ -	$ 5,760,000
Dublin Community Pool South	$ 190,000	$ -	$ -	$ 750,000	$ -	$ 940,000
John Shields Parkway Greenway	$ -	$ -	$ -	$ -	$ -	$ -
Less: Debt (Dublin Community Pool North)	$ -	$ -	$ -	$ (5,000,000)	$ -	$ (5,000,000)
Less: Debt (Riverside Drive Park)	$ (9,400,000)	$ (1,000,000)	$ (7,000,000)	$ (1,900,000)	$ -	$ (19,300,000)
Less: Hotel/Motel Tax Fund (DAC Site Renovations)	$ (30,000)	$ (350,000)	$ (35,000)	$ (400,000)	$ -	$ (815,000)
Less: Thomas/Kohler TIF (IGS Park)	$ -	$ -	$ (30,000)	$ (150,000)	$ -	$ (180,000)
	$ 820,000	$ 315,000	$ 885,000	$ 965,000	$ 25,000	$ 3,010,000
PARKS: TOTAL PROJECTS	$ 11,175,000	$ 2,480,000	$ 8,765,000	$ 9,230,000	$ 840,000	$ 32,490,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 8 - POLICE						
MAINTENANCE						
Replacement Lasers	$ -	$ 10,000	$ 10,000	$ -	$ -	$ 20,000
Replacement Radars	$ -	$ 10,000	$ 10,000	$ -	$ -	$ 20,000
Ballistic Helmets	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
Replacement Ballistic Shields	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
Replacement AEDs	$ 20,000	$ -	$ -	$ -	$ -	$ 20,000
Walkie Upgrades	$ -	$ 150,000	$ 150,000	$ 150,000	$ -	$ 450,000
Gas Mask Replacement	$ 60,000	$ -	$ -	$ -	$ -	$ 60,000
	$ 130,000	$ 170,000	$ 170,000	$ 150,000	$ -	$ 620,000
NEW ENHANCEMENTS/EQUIPMENT						
Interview Room Camera System	$ 35,000	$ -	$ -	$ -	$ -	$ 35,000
NextGen 911 Upgrade	$ 675,000	$ -	$ -	$ -	$ -	$ 675,000
Automatic License Plate Readers	$ 120,000	$ -	$ -	$ -	$ -	$ 120,000
New K9	$ 15,000	$ -	$ -	$ -	$ -	$ 15,000
Less: Grant (NextGen 911 Upgrade)	$ (244,000)	$ -	$ -	$ -	$ -	$ (244,000)
Less: Wireless 911 Fund (NextGen 911 Upgrade)	$ (431,000)	$ -	$ -	$ -	$ -	$ (431,000)
	$ 170,000	$ -	$ -	$ -	$ -	$ 170,000
POLICE: TOTAL PROJECTS	$ 975,000	$ 170,000	$ 170,000	$ 150,000	$ -	$ 1,465,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

Section 4 - ADMINISTRATION	2017	2018	2019	2020	2021	Total 2017 - 2021
Annual Allocation for Land Acquisition	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,500,000
Annual Allocation for Parkland Acquisition	$ 650,000	$ 650,000	$ 650,000	$ 650,000	$ 650,000	$ 3,250,000
Annual Allocation for Contingencies	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 1,250,000
Annual Allocation for Sewer Extensions	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 400,000	$ 2,000,000
Less: Parkland Acquisition Fund (Annual Allocation for Parkland Acquisition)	$ (650,000)	$ (650,000)	$ (650,000)	$ (650,000)	$ (650,000)	$ (3,250,000)
	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 1,150,000	$ 5,750,000
ADMINISTRATION: TOTAL PROJECTS	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 1,800,000	$ 9,000,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 5 - FACILITIES						
MAINTENANCE						
DAC Interior Renovations	$ 25,000	$ 20,000	$ -	$ -	$ -	$ 45,000
DAC Plumbing	$ 45,000	$ -	$ -	$ -	$ -	$ 45,000
Chamber Building	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
City Hall/Annex	$ 110,000	$ 174,000	$ 27,000	$ -	$ -	$ 311,000
Fleet Maintenance Building	$ 115,000	$ -	$ -	$ -	$ -	$ 115,000
Parks	$ 110,000	$ 19,000	$ 10,000	$ -	$ -	$ 139,000
Service Center	$ 80,000	$ 128,000	$ -	$ -	$ -	$ 208,000
DCRC	$ 203,000	$ 152,000	$ 120,000	$ 25,000	$ -	$ 500,000
South Pool	$ 36,000	$ -	$ -	$ -	$ -	$ 36,000
Small In-House Renovations	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
HVAC & Pump Replacements	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
Carpet/Flooring Replacements	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
Painting/Patching Walls (as needed)	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 30,000	$ 150,000
Rounding	$ 1,000	$ 2,000	$ 3,000	$ -	$ -	$ 6,000
Less: Hotel/Motel Tax Fund (DAC Interior Renovations)	$ (25,000)	$ (20,000)	$ -	$ -	$ -	$ (45,000)
Less: Hotel/Motel Tax Fund (DAC Plumbing)	$ (45,000)	$ -	$ -	$ -	$ -	$ (45,000)
	$ 810,000	$ 605,000	$ 290,000	$ 155,000	$ 130,000	$ 1,990,000
RENOVATIONS/IMPROVEMENTS						
5800 Building Renovation	$ 3,480,000	$ -	$ -	$ -	$ -	$ 3,480,000
Salt Barn	$ 465,000	$ -	$ 500,000	$ -	$ -	$ 965,000
Pool Tile Replacement (DCRC)	$ 230,000	$ -	$ -	$ -	$ -	$ 230,000
Less: Debt (5800 Building Renovations/Roof, Salt Barns)	$ (3,945,000)	$ -	$ (500,000)	$ -	$ -	$ (4,445,000)
	$ 230,000	$ -	$ -	$ -	$ -	$ 230,000
FACILITIES: TOTAL PROJECTS	$ 5,055,000	$ 625,000	$ 790,000	$ 155,000	$ 130,000	$ 6,755,000

Miscellaneous projects for consideration which are not programmed (costs are estimates only):

Acquisition of Corazon	$ 8,000,000
Athletic Complex (see Note A)	$ 5,000,000
Cultural / Performing Arts Center (see Note B)	$ 25,000,000
Recreation Center Expansion	$ 15,000,000
New City Hall Building	unknown
Solar Installation at Various City Facilities	$ 3,500,000
Chiller Ice Rink (see Note C)	$ 2,000,000

Notes:
A - Land is estimated to cost between $5,000,000 and $7,500,000 with improvement costs unknown
B - Cost is estimated between $25,000,000 and $40,000,000
C - Cost is estimated to be upward of $12,000,000 ($2,000,000 for upgrade of mechanical systems and cosmetic facelift, and $10,000,000 for a third sheet of ice.

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 6 - FLEET						
MAINTENANCE						
Vehicle Replacement	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 1,000,000	$ 5,000,000
Equipment Replacement	$ 405,000	$ 420,000	$ 535,000	$ 330,000	$ 100,000	$ 1,790,000
Less: Sewer Fund (Vehicle Replacement)	$ (450,000)	$ -	$ -	$ -	$ -	$ (450,000)
Less: Hotel/Motel Tax Fund (Equipment Replacement)	$ -	$ (25,000)	$ -	$ -	$ (25,000)	$ (50,000)
	$ 955,000	$ 1,395,000	$ 1,535,000	$ 1,330,000	$ 1,075,000	$ 6,290,000
NEW (ADDITIONS TO THE FLEET)						
Vehicles	$ 230,000	$ 205,000	$ 40,000	$ -	$ -	$ 475,000
Equipment	$ 110,000	$ 25,000	$ -	$ 25,000	$ 25,000	$ 185,000
Less: Grant Funding (Vehicles - Incident Dispatch Team Response)	$ -	$ (180,000)	$ -	$ -	$ -	$ (180,000)
	$ 340,000	$ 50,000	$ 40,000	$ 25,000	$ 25,000	$ 480,000
FLEET: TOTAL PROJECTS	$ 1,745,000	$ 1,650,000	$ 1,575,000	$ 1,355,000	$ 1,125,000	$ 7,450,000

Miscellaneous projects for consideration which are not programmed (costs are estimates only):

Trolley Car (see Note A)	$ 100,000
Bus Circulators/Shuttles (see Note B)	$ 75,000

Notes:
A - The amount reflects the estimated cost of a new trolley car.
B - A City transport service would require handicapped accessibility and preferably would run on CNG.

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 7 - PARKS						
MAINTENANCE						
Park Maintenance	$ 910,000	$ 800,000	$ 800,000	$ 800,000	$ 800,000	$ 4,110,000
Public Art Maintenance	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 75,000
Less: Hotel/Motel Tax Fund (Public Art Maintenance)	$ (15,000)	$ (15,000)	$ (15,000)	$ (15,000)	$ (15,000)	$ (75,000)
	$ 910,000	$ 800,000	$ 800,000	$ 800,000	$ 800,000	$ 4,110,000
RENOVATIONS/IMPROVEMENTS						
Allocation for Bike Rack Installation	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 25,000	$ 125,000
DAC Site Renovations	$ 30,000	$ 350,000	$ 35,000	$ 400,000	$ -	$ 815,000
Llewellyn Farms South	$ -	$ -	$ 100,000	$ -	$ -	$ 100,000
IGS Park	$ -	$ -	$ 30,000	$ 150,000	$ -	$ 180,000
Barronsmore Mound (Ballantrae)	$ -	$ -	$ -	$ 115,000	$ -	$ 115,000
Darree Fields Development	$ -	$ 290,000	$ -	$ -	$ -	$ 290,000
Amerleigh Park	$ -	$ -	$ -	$ 75,000	$ -	$ 75,000
Emerald Fields (NE Quad Park)	$ 225,000	$ -	$ -	$ -	$ -	$ 225,000
Coffman Park Expansion	$ 300,000	$ -	$ -	$ -	$ -	$ 300,000
Holder-Wright Farm and Earthworks	$ 80,000	$ -	$ -	$ -	$ -	$ 80,000
Riverside Drive Park	$ 9,400,000	$ 1,000,000	$ 7,000,000	$ 1,900,000	$ -	$ 19,300,000
Dublin Community Pool North	$ -	$ -	$ 760,000	$ 5,000,000	$ -	$ 5,760,000
Dublin Community Pool South	$ 190,000	$ -	$ -	$ 750,000	$ -	$ 940,000
John Shields Parkway Greenway	$ -	$ -	$ -	$ -	$ -	$ -
Less: Debt (Dublin Community Pool North)	$ -	$ -	$ -	$ (5,000,000)	$ -	$ (5,000,000)
Less: Debt (Riverside Drive Park)	$ (9,400,000)	$ (1,000,000)	$ (7,000,000)	$ (1,900,000)	$ -	$ (19,300,000)
Less: Hotel/Motel Tax Fund (DAC Site Renovations)	$ (30,000)	$ (350,000)	$ (35,000)	$ (400,000)	$ -	$ (815,000)
Less: Thomas/Kohler TIF (IGS Park)	$ -	$ -	$ (30,000)	$ (150,000)	$ -	$ (180,000)
	$ 820,000	$ 315,000	$ 885,000	$ 965,000	$ 25,000	$ 3,010,000
PARKS: TOTAL PROJECTS	$ 11,175,000	$ 2,480,000	$ 8,765,000	$ 9,230,000	$ 840,000	$ 32,490,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 8 - POLICE						
MAINTENANCE						
Replacement Lasers	$ -	$ 10,000	$ 10,000	$ -	$ -	$ 20,000
Replacement Radars	$ -	$ 10,000	$ 10,000	$ -	$ -	$ 20,000
Ballistic Helmets	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
Replacement Ballistic Shields	$ 25,000	$ -	$ -	$ -	$ -	$ 25,000
Replacement AEDs	$ 20,000	$ -	$ -	$ -	$ -	$ 20,000
Walkie Upgrades	$ -	$ 150,000	$ 150,000	$ 150,000	$ -	$ 450,000
Gas Mask Replacement	$ 60,000	$ -	$ -	$ -	$ -	$ 60,000
	$ 130,000	$ 170,000	$ 170,000	$ 150,000	$ -	$ 620,000
NEW ENHANCEMENTS/EQUIPMENT						
Interview Room Camera System	$ 35,000	$ -	$ -	$ -	$ -	$ 35,000
NextGen 911 Upgrade	$ 675,000	$ -	$ -	$ -	$ -	$ 675,000
Automatic License Plate Readers	$ 120,000	$ -	$ -	$ -	$ -	$ 120,000
New K9	$ 15,000	$ -	$ -	$ -	$ -	$ 15,000
Less: Grant (NextGen 911 Upgrade)	$ (244,000)	$ -	$ -	$ -	$ -	$ (244,000)
Less: Wireless 911 Fund (NextGen 911 Upgrade)	$ (431,000)	$ -	$ -	$ -	$ -	$ (431,000)
	$ 170,000	$ -	$ -	$ -	$ -	$ 170,000
POLICE: TOTAL PROJECTS	$ 975,000	$ 170,000	$ 170,000	$ 150,000	$ -	$ 1,465,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 9 - SANITARY SEWER						
MAINTENANCE						
Sewer Lining & Repair	$ -	$ 1,500,000	$ -	$ 1,500,000	$ -	$ 3,000,000
Annual Sanitary Sewer Maintenance Program	$ 200,000	$ 225,000	$ 225,000	$ 250,000	$ 250,000	$ 1,150,000
Manhole Rehabs	$ 275,000	$ -	$ 300,000	$ -	$ -	$ 575,000
Less: Debt (Manhole Rehab/Sewer Lining & Repair)	$ (275,000)	$ (1,500,000)	$ (300,000)	$ (1,500,000)		$ (3,575,000)
Less: Sewer Fund	$ (200,000)	$ (225,000)	$ (225,000)	$ (250,000)	$ (250,000)	$ (1,150,000)
	$ -	$ -	$ -	$ -	$ -	$ -
NEW ENHANCEMENTS/INFRASTRUCTURE						
North Fork Sewer Capacity Improvements	$ 10,000	$ 360,000	$ -	$ -	$ -	$ 370,000
2017 Sanitary Sewer Extensions	$ 555,000	$ -	$ -	$ -	$ -	$ 555,000
2018 Sanitary Sewer Extensions	$ 205,000	$ 570,000	$ -	$ -	$ -	$ 775,000
2019 Sanitary Sewer Extensions	$ -	$ 295,000	$ 870,000	$ -	$ -	$ 1,165,000
2020 Sanitary Sewer Extensions	$ -	$ -	$ 610,000	$ 2,315,000	$ -	$ 2,925,000
2021 Sanitary Sewer Extensions	$ -	$ -	$ -	$ 435,000	$ 1,560,000	$ 1,995,000
2022 Sanitary Sewer Extensions	$ -	$ -	$ -	$ -	$ 260,000	$ 260,000
Deer Run Sewer Upsizing - Group #1	$ -	$ 405,000	$ 75,000	$ 2,700,000	$ -	$ 3,180,000
Deer Run Sewer Upsizing - Group #2	$ -	$ -	$ 210,000	$ 50,000	$ 1,385,000	$ 1,645,000
Deer Run Sewer Upsizing - Dumfries Court	$ 95,000	$ 480,000	$ -	$ -	$ -	$ 575,000
Less: Debt (Sanitary Sewer Extensions)	$ (865,000)	$ (2,110,000)	$ (1,765,000)	$ (5,500,000)	$ (3,205,000)	$ (13,445,000)
Less: Sewer Fund	$ -	$ -	$ -	$ -	$ -	$ -
	$ -	$ -	$ -	$ -	$ -	$ -
SANITARY SEWER: TOTAL PROJECTS	$ 1,340,000	$ 3,835,000	$ 2,290,000	$ 7,250,000	$ 3,455,000	$ 18,170,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 9 - SANITARY SEWER						
MAINTENANCE						
Sewer Lining & Repair	$ -	$ 1,500,000	$ -	$ 1,500,000	$ -	$ 3,000,000
Annual Sanitary Sewer Maintenance Program	$ 200,000	$ 225,000	$ 225,000	$ 250,000	$ 250,000	$ 1,150,000
Manhole Rehabs	$ 275,000	$ -	$ 300,000	$ -	$ -	$ 575,000
Less: Debt (Manhole Rehab/Sewer Lining & Repair)	$ (275,000)	$ (1,500,000)	$ (300,000)	$ (1,500,000)		$ (3,575,000)
Less: Sewer Fund	$ (200,000)	$ (225,000)	$ (225,000)	$ (250,000)	$ (250,000)	$ (1,150,000)
	$ -	$ -	$ -	$ -	$ -	$ -
NEW ENHANCEMENTS/INFRASTRUCTURE						
North Fork Sewer Capacity Improvements	$ 10,000	$ 360,000	$ -	$ -	$ -	$ 370,000
2017 Sanitary Sewer Extensions	$ 555,000	$ -	$ -	$ -	$ -	$ 555,000
2018 Sanitary Sewer Extensions	$ 205,000	$ 570,000	$ -	$ -	$ -	$ 775,000
2019 Sanitary Sewer Extensions	$ -	$ 295,000	$ 870,000	$ -	$ -	$ 1,165,000
2020 Sanitary Sewer Extensions	$ -	$ -	$ 610,000	$ 2,315,000	$ -	$ 2,925,000
2021 Sanitary Sewer Extensions	$ -	$ -	$ -	$ 435,000	$ 1,560,000	$ 1,995,000
2022 Sanitary Sewer Extensions	$ -	$ -	$ -	$ -	$ 260,000	$ 260,000
Deer Run Sewer Upsizing - Group #1	$ -	$ 405,000	$ 75,000	$ 2,700,000	$ -	$ 3,180,000
Deer Run Sewer Upsizing - Group #2	$ -	$ -	$ 210,000	$ 50,000	$ 1,385,000	$ 1,645,000
Deer Run Sewer Upsizing - Dumfries Court	$ 95,000	$ 480,000	$ -	$ -	$ -	$ 575,000
Less: Debt (Sanitary Sewer Extensions)	$ (865,000)	$ (2,110,000)	$ (1,765,000)	$ (5,500,000)	$ (3,205,000)	$ (13,445,000)
Less: Sewer Fund	$ -	$ -	$ -	$ -	$ -	$ -
	$ -	$ -	$ -	$ -	$ -	$ -
SANITARY SEWER: TOTAL PROJECTS	$ 1,340,000	$ 3,835,000	$ 2,290,000	$ 7,250,000	$ 3,455,000	$ 18,170,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 10 - STORMWATER						
MAINTENANCE						
Annual Stormwater Maintenance	$ 560,000	$ 575,000	$ 575,000	$ 585,000	$ 585,000	$ 2,880,000
Annual Ditch Maintenance	$ 100,000	$ -	$ 100,000	$ -	$ 100,000	$ 300,000
	$ 660,000	$ 575,000	$ 675,000	$ 585,000	$ 685,000	$ 3,180,000
NEW ENHANCEMENTS/INFRASTRUCTURE						
Limerick Lane Improvements	$ 505,000	$ -	$ -	$ -	$ -	$ 505,000
Hirth Woolpert Creek Watershed Improvements	$ -		$ 35,000	$ 245,000	$ -	$ 280,000
May Apple, Tamarisk Creek, Hawk's Nest Improvements	$ -	$ -	$ 85,000	$ 485,000	$ -	$ 570,000
Glencree Place Improvements	$ -	$ -	$ -	$ -	$ 65,000	$ 65,000
	$ 505,000	$ -	$ 120,000	$ 730,000	$ 65,000	$ 1,420,000
STORMWATER: TOTAL PROJECTS	$ 1,165,000	$ 575,000	$ 795,000	$ 1,315,000	$ 750,000	$ 4,600,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 11 - TECHNOLOGY						
Computer Hardware and Software	$ 1,090,000	$ 1,080,000	$ 925,000	$ 915,000	$ 1,020,000	$ 5,030,000
Dublink Extensions	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 120,000	$ 600,000
Dublink/100gb Transport Network	$ 250,000	$ 125,000	$ 125,000	$ 125,000	$ 125,000	$ 750,000
Connected Vehicles Systems	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
Less: Hotel/Motel Tax Fund (Computer Hardware and Software)	$ (35,000)	$ (5,000)	$ (10,000)	$ -	$ (5,000)	$ (55,000)
Less: Sewer Fund (Computer Hardware and Software)	$ -	$ (50,000)	$ -	$ (10,000)	$ -	$ (60,000)
	$ 1,475,000	$ 1,320,000	$ 1,210,000	$ 1,200,000	$ 1,310,000	$ 6,515,000
TECHNOLOGY: TOTAL PROJECTS	$ 1,510,000	$ 1,375,000	$ 1,220,000	$ 1,210,000	$ 1,315,000	$ 6,630,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 12 - TRANSPORTATION - BICYCLES & PEDESTRIANS						
MAINTENANCE						
Annual Shared Use Path Maintenance	$ 310,000	$ 410,000	$ 335,000	$ 365,000	$ 245,000	$ 1,665,000
Annual Sidewalk Program	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000
Historic Dublin Brick Sidewalk Maintenance	$ -	$ -	$ 390,000	$ 220,000	$ 110,000	$ 720,000
	$ 360,000	$ 460,000	$ 775,000	$ 635,000	$ 405,000	$ 2,635,000
NEW ENHANCEMENTS/INFRASTRUCTURE						
Glick Road - Section 3 (Carnoustie Drive to Muirkirk Drive)	$ 235,000	$ -	$ -	$ -	$ -	$ 235,000
Rings Road: Frantz Road to Dublin Road	$ 460,000	$ -	$ -	$ -	$ -	$ 460,000
Concord Road	$ 170,000	$ -	$ -	$ -	$ -	$ 170,000
Riverside Drive East - Section 1	$ -	$ -	$ 110,000	$ -	$ 1,045,000	$ 1,155,000
Riverside Drive East - Section 2	$ -	$ -	$ -	$ 85,000	$ -	$ 85,000
Riverside Drive East - Section 3	$ -	$ -	$ -	$ -	$ 100,000	$ 100,000
Summit View Road	$ 175,000	$ -	$ -	$ -	$ -	$ 175,000
Avery Road Sidewalk Connections	$ -	$ -	$ 65,000	$ 335,000	$ -	$ 400,000
Wedgewood Hills Park	$ 50,000	$ 185,000	$ -	$ -	$ -	$ 235,000
Wilcox Road	$ -	$ -	$ 35,000	$ 160,000	$ -	$ 195,000
Less: Rings/Frantz TIF (Rings Road SUP)	$ (460,000)	$ -	$ -	$ -	$ -	$ (460,000)
	$ 630,000	$ 185,000	$ 210,000	$ 580,000	$ 1,145,000	$ 2,750,000
TRANSPORTATION - BICYCLES & PEDESTRIANS: TOTAL PROJECTS	$ 1,450,000	$ 645,000	$ 985,000	$ 1,215,000	$ 1,550,000	$ 5,845,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 13 - TRANSPORTATION - BRIDGES & CULVERTS						
MAINTENANCE						
Annual Bridge Maintenance	$ 405,000	$ 720,000	$ 835,000	$ 895,000	$ 545,000	$ 3,400,000
Emerald Bridge Deck Overlay	$ 100,000	$ 2,500,000	$ -	$ -	$ -	$ 2,600,000
Annual Pedestrian Tunnel Maintenance	$ 225,000	$ 225,000	$ 225,000	$ 225,000	$ 225,000	$ 1,125,000
Annual Concrete Sealing Maintenance	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 35,000	$ 175,000
Annual Culvert Maintenance	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 500,000
Riverside Drive Culvert Replacement	$ 100,000	$ -	$ -	$ -	$ -	$ 100,000
Less: Debt (Emerald Bridge Deck Overlay)	$ -	$ (2,500,000)	$ -	$ -	$ -	$ (2,500,000)
	$ 965,000	$ 1,080,000	$ 1,195,000	$ 1,255,000	$ 905,000	$ 5,400,000
NEW ENHANCEMENTS/INFRASTRUCTURE						
Scioto River Pedestrian Bridge	$ 22,750,000	$ -	$ -	$ -	$ -	$ 22,750,000
Less: Debt (Scioto River Pedestrian Bridge)	$ (22,750,000)	$ -	$ -	$ -	$ -	$ (22,750,000)
	$ -	$ -	$ -	$ -	$ -	$ -
TRANSPORTATION - BRIDGES & CULVERTS: TOTAL PROJECTS	$ 23,715,000	$ 3,580,000	$ 1,195,000	$ 1,255,000	$ 905,000	$ 30,650,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 14 - TRANSPORTATION - STREETS & PARKING						
MAINTENANCE						
Annual Street Maintenance Program	$ 4,200,000	$ 5,000,000	$ 6,300,000	$ 7,100,000	$ 7,400,000	$ 30,000,000
Annual Guardrail Replacement & Maintenance	$ 60,000	$ 70,000	$ 45,000	$ 65,000	$ 80,000	$ 320,000
Annual Parking Lot Maintenance	$ 415,000	$ 405,000	$ 400,000	$ 420,000	$ 445,000	$ 2,085,000
Annual Retaining Wall & Decorative Wall Maintenance	$ 80,000	$ 60,000	$ 60,000	$ 60,000	$ 60,000	$ 320,000
Annual Pavement Preventive Maintenance	$ 505,000	$ 525,000	$ 545,000	$ 565,000	$ 585,000	$ 2,725,000
	$ 5,260,000	$ 6,060,000	$ 7,350,000	$ 8,210,000	$ 8,570,000	$ 35,450,000
NEW ENHANCEMENTS/INFRASTRUCTURE						
Tuttle Crossing Blvd. Extension	$ 1,900,000	$ -	$ 13,090,000	$ -	$ -	$ 14,990,000
Less: Grant (MORPC Attributable Funds)	$ -	$ -	$ (7,000,000)	$ -	$ -	$ (7,000,000)
Less: City of Columbus (Pay as you Grow)	$ -	$ -	$ (2,800,000)	$ -	$ -	$ (2,800,000)
Less: Developer Contribution - NCR/Avondale	$ -	$ -	$ (492,800)	$ -	$ -	$ (492,800)
Less: Rings/Frantz TIF	$ (1,900,000)	$ -	$ (2,797,200)	$ -	$ -	$ (4,697,200)
	$ -	$ -	$ -	$ -	$ -	$ -
Tuttle Crossing Blvd. Extension - Phase 2 (Cosgray to Avery)	$ 125,000	$ -	$ -	$ -	$ -	$ 125,000
Less: Rings/Frantz TIF	$ (125,000)	$ -	$ -	$ -	$ -	$ (125,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Avery Road Widening - Woerner Temple to Rings Road East (Phase 2)	$ -	$ 300,000	$ -	$ 7,560,000	$ -	$ 7,860,000
Less: Debt	$ -	$ -	$ -	$ (7,560,000)	$ -	$ (7,560,000)
Less: Thomas/Kohler TIF	$ -	$ (300,000)	$ -	$ -	$ -	$ (300,000)
	$ -	$ -	$ -	$ -	$ -	$ -
West Innovation Park Infrastructure	$ -	$ 135,000	$ -	$ -	$ -	$ 135,000
Less: West Innovation TIF	$ -	$ (135,000)				$ (135,000)
	$ -	$ -	$ -	$ -	$ -	$ -
SR 161/Cosgray Road Roundabout Improvements	$ 640,000	$ -	$ -	$ -	$ -	$ 640,000
Eiterman Road Relocation	$ -	$ 340,000	$ -	$ -	$ -	$ 340,000
University Boulevard Extension - Phase 2	$ -	$ 260,000	$ -	$ -	$ -	$ 260,000
Less: General Fund Advance to OU TIF	$ -	$ -	$ -	$ -	$ -	$ -
	$ -	$ 260,000	$ -	$ -	$ -	$ 260,000
Shier Rings Road - Avery Road to Eiterman Road	$ -	$ -	$ -	$ 150,000	$ -	$ 150,000
Perimeter Widening - Holt Road to Commerce Parkway	$ -	$ -	$ -	$ 300,000	$ -	$ 300,000
Less: Perimeter Center TIF	$ -	$ -	$ -	$ (300,000)	$ -	$ (300,000)
	$ -	$ -	$ -	$ -	$ -	$ -

2017-2021 CIP
Recap of Recommended Projects, Available Resources

Section 14 - TRANSPORTATION - STREETS & PARKING (CONTINUED)	2017	2018	2019	2020	2021	Total 2017 - 2021
US33/SR 161/Frantz Road Intersection	$ -	$ -	$ 650,000	$ 875,000	$ 1,500,000	$ 3,025,000
Less: Upper Metro TIF	$ -	$ -	$ (650,000)	$ (875,000)	$ -	$ (1,525,000)
Less: Debt	$ -	$ -	$ -	$ -	$ (1,500,000)	$ (1,500,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Shawan Falls Extension, Phase 1	$ -	$ 500,000	$ 1,000,000	$ 4,000,000	$ -	$ 5,500,000
Less: Debt	$ -	$ -	$ (1,000,000)	$ (4,000,000)	$ -	$ (5,000,000)
	$ -	$ 500,000	$ -	$ -	$ -	$ 500,000
Post Road Realignment and Kilgour Place Widening	$ -		$ 550,000	$ 1,000,000	$ 7,000,000	$ 8,550,000
Less: Debt	$ -	$ -		$ (1,000,000)	$ (7,000,000)	$ (8,000,000)
	$ -	$ -	$ 550,000	$ -	$ -	$ 550,000
Frantz Road at Bradenton Avenue - Signalized Intersection Upgrade	$ 305,000	$ -	$ -	$ -	$ -	$ 305,000
Less: Rings/Frantz TIF	$ (305,000)	$ -	$ -	$ -	$ -	$ (305,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Historic District High Street	$ 2,500,000	$ -	$ -	$ -	$ -	$ 2,500,000
Less: Debt	$ (2,500,000)					$ (2,500,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Historic Dublin Columbus Metropolitan Library Street Network	$ 4,600,000	$ -	$ -	$ -	$ -	$ 4,600,000
Less: Debt	$ (4,600,000)					$ (4,600,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Bridge Street District Program Management	$ 1,525,000	$ 1,550,000	$ 25,000	$ 25,000	$ -	$ 3,125,000
Uncurbed Streets - Mid-Century Neighborhood	$ 3,560,000	$ -	$ -	$ -	$ -	$ 3,560,000
Less: Transfer from General Fund	$ (3,560,000)	$ -	$ -	$ -	$ -	$ (3,560,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Dublin Cemetery Drive Improvements	$ 15,000	$ 460,000	$ -	$ -	$ -	$ 475,000
Riviera Hyland-Croy Connector	$ 325,000	$ 2,070,000	$ -	$ -	$ -	$ 2,395,000
Less: Advance from General Fund	$ (325,000)	$ (2,070,000)	$ -	$ -	$ -	$ (2,395,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Rings Road Utility Burial (Churchman Road to Eiterman Road)	$ -	$ -	$ 35,000	$ 420,000	$ -	$ 455,000
Less: Thomas Kohler TIF	$ -	$ -	$ (35,000)	$ (420,000)	$ -	$ (455,000)
	$ -	$ -	$ -	$ -	$ -	$ -
River Forest Storm and Roadway Improvements	$ -	$ -	$ 180,000	$ -	$ -	$ 180,000
Sawmill Road - Snouffer Road Intersection Improvements	$ -	$ 450,000	$ -	$ -	$ -	$ 450,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 14 - TRANSPORTATION - STREETS & PARKING						
(CONTINUED)						
Sawmill Road 3rd Southbound Lane Addition	$ 200,000	$ -	$ -	$ -	$ -	$ 200,000
Bright Road Cul de Sac	$ 375,000	$ -	$ -	$ -	$ -	$ 375,000
Less: Emerald 8 TIF	$ (375,000)	$ -	$ -	$ -	$ -	$ (375,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Avery Road/Brand Road Roundabout	$ 2,135,000	$ -	$ -	$ -	$ -	$ 2,135,000
Less: Tartan West TIF	$ (2,135,000)	$ -	$ -	$ -		$ (2,135,000)
	$ -	$ -	$ -	$ -	$ -	$ -
US 33/SR 161/Post Road Interchange	$ 300,000	$ 125,000	$ -	$ 6,100,000	$ -	$ 6,525,000
Less: Debt (Property Tax)	$ -	$ -	$ -	$ (6,100,000)	$ -	$ (6,100,000)
Less: Perimeter West TIF	$ (300,000)	$ (125,000)	$ -	$ -	$ -	$ (425,000)
	$ -	$ -	$ -	$ -	$ -	$ -
SR 161 and Hyland-Croy Road Temporary Intersection Improvements	$ 40,000	$ 300,000	$ -	$ -	$ -	$ 340,000
Hyland Croy/Post Preserve Roundabout	$ -	$ 375,000	$ 1,530,000	$ -	$ -	$ 1,905,000
Less: Debt		$ -	$ (1,530,000)			$ (1,530,000)
	$ -	$ 375,000	$ -	$ -	$ -	$ 375,000
Post Preserve Access Modification	$ 180,000	$ 1,430,000	$ -	$ -	$ -	$ 1,610,000
Less: Debt	$ -	$ (1,430,000)	$ -	$ -	$ -	$ (1,430,000)
	$ 180,000	$ -	$ -	$ -	$ -	$ 180,000
Comprehensive Wayfinding System (city wide)	$ 130,000	$ 125,000	$ 95,000	$ 65,000	$ -	$ 415,000
PARKING						
Historic District Columbus Metropolitan Library Parking Deck	$ 10,000,000	$ -	$ -	$ -	$ -	$ 10,000,000
Less: Debt	$ (10,000,000)	$ -	$ -	$ -	$ -	$ (10,000,000)
	$ -	$ -	$ -	$ -	$ -	$ -
Bridge Street District Parking Control Equipment (On-Street)	$ 375,000	$ -	$ -	$ -	$ -	$ 375,000
Cardinal Health Parking Lot Construction	$ 2,800,000	$ -	$ -	$ -	$ -	$ 2,800,000
Less: Transfer from General Fund	$ (2,800,000)	$ -	$ -	$ -	$ -	$ (2,800,000)
	$ -	$ -	$ -	$ -	$ -	$ -
TRANSPORTATION - STREETS & PARKING: TOTAL PROJECTS	$ 37,290,000	$ 14,480,000	$ 24,505,000	$ 28,705,000	$ 17,070,000	$ 122,050,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Section 15 - WATER						
MAINTENANCE						
Water Quality Unit Relocation	$ 15,000	$ 75,000	$ -	$ -	$ -	$ 90,000
Tartan West Water Tank Re-Painting	$ -	$ -	$ -	$ 10,000	$ 390,000	$ 400,000
Avery Water Tank Air Gap Structure	$ 35,000	$ -	$ -	$ -	$ -	$ 35,000
Less: Water Fund	$ (50,000)	$ (75,000)	$ -	$ (10,000)	$ (390,000)	$ (525,000)
	$ -	$ -	$ -	$ -	$ -	$ -
NEW ENHANCEMENTS/INFRASTRUCTURE						
Rings Road Waterline	$ 650,000	$ -	$ -	$ -	$ -	$ 650,000
Tusswell Drive Waterline	$ 105,000	$ -	$ -	$ -	$ -	$ 105,000
Waterline Replacement	$ 70,000	$ 580,000	$ 70,000	$ 600,000	$ 75,000	$ 1,395,000
Brand Road Booster Station Improvements	$ 90,000	$ 570,000	$ -	$ -	$ -	$ 660,000
2017 Water Extensions	$ 85,000	$ -	$ -	$ -	$ -	$ 85,000
2018 Water Extensions	$ 220,000	$ 730,000	$ -	$ -	$ -	$ 950,000
2019 Water Extensions	$ -	$ 310,000	$ 1,020,000	$ -	$ -	$ 1,330,000
2020 Water Extensions	$ -	$ -	$ 130,000	$ 445,000	$ -	$ 575,000
2021 Water Extensions	$ -	$ -	$ -	$ 260,000	$ 875,000	$ 1,135,000
2022 Water Extensions	$ -	$ -	$ -	$ -	$ 45,000	$ 45,000
Less: Water Fund	$ (1,220,000)	$ (2,190,000)	$ (1,220,000)	$ (1,305,000)	$ (995,000)	$ (6,930,000)
	$ -	$ -	$ -	$ -	$ -	$ -
WATER: TOTAL PROJECTS	$ 1,270,000	$ 2,265,000	$ 1,220,000	$ 1,315,000	$ 1,385,000	$ 7,455,000

2017-2021 CIP
Recap of Recommended Projects, Available Resources

	2017	2018	2019	2020	2021	Total 2017 - 2021
Resources Available						
Beginning Capital Improvement Fund Balance	$ 2,000,000	$ -	$ -	$ -	$ -	$ 2,000,000
Income Taxes - Cash Allocation	$ 8,473,410	$ 8,600,500	$ 8,729,500	$ 8,993,300	$ 9,128,200	$ 43,924,910
Income Taxes - Surplus from Allocation for Debt	$ 4,048,995	$ 5,133,824	$ 4,430,032	$ 3,894,863	$ 3,398,811	$ 20,906,525
Property Tax Revenue (Inside Millage - 0.8 mills) Reserved for Debt	$ 1,200,000	$ 1,200,000	$ 1,200,000	$ 712,000	$ 712,000	$ 5,024,000
Property Tax Revenue (Inside Millage - 0.6 mills)	$ 1,600,000	$ 1,600,000	$ 1,600,000	$ 1,600,000	$ 1,600,000	$ 8,000,000
Transfer from General Fund (from Reserve)	$ 2,053,875	$ -	$ -	$ -	$ -	$ 2,053,875
Carryover Capital Improvement Fund Balance	$ -	$ 1,759,780	$ 627,604	$ 690,636	$ (67,201)	$ 3,010,819
Interest Earning	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 750,000
Repayment of Advances to Capital Improvement Tax Fund	$ 708,500	$ 708,500	$ 1,208,500	$ 1,902,000	$ 2,113,500	$ 6,641,000
Total Resources	$ 20,234,780	$ 19,152,604	$ 17,945,636	$ 17,942,799	$ 17,035,310	$ 90,311,129
Total Requests (Not Funded Through TIFs/Debt/Enterprise/Other Revenue)	$ 18,475,000	$ 18,525,000	$ 17,255,000	$ 18,010,000	$ 16,290,000	$ 88,555,000
Balance	$ 1,759,780	$ 627,604	$ 690,636	$ (67,201)	$ 745,310	
Total Proposed Funded Projects	$ 88,490,000	$ 33,480,000	$ 45,310,000	$ 54,955,000	$ 30,325,000	$ 252,560,000

3-Resources

City of Dublin
2017 - 2021 Proposed Capital Improvements Program
Resources

Description	2017	2018	2019	2020	2021	Total
General Fund:						
Allocation from reserves	$ 2,053,875	$ -	$ -	$ -	$ -	$ 2,053,875
Advance	325,000	2,070,000	-	-	-	$ 2,395,000
Transfer	6,360,000	-	-	-	-	$ 6,360,000
Capital Improvements Tax Fund:						
Reserves	2,000,000	-	-	-	-	2,000,000
Interest income	150,000	150,000	150,000	150,000	150,000	750,000
Income tax revenue:						
Income tax-cash capital allocation	8,473,410	8,600,500	8,729,500	8,993,300	9,128,200	43,924,910
Income tax-surplus from debt allocation	4,048,995	5,133,824	4,430,032	3,894,863	3,398,811	20,906,525
Property tax revenue:						
Capital Improvements Tax Fund	2,800,000	2,800,000	2,800,000	2,312,000	2,312,000	13,024,000
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)	2,790,000	-	2,797,200	-	-	5,587,200
Emerald 8	375,000	-	-	-	-	375,000
Thomas/Kohler (Fund #419)	-	300,000	65,000	570,000	-	935,000
Upper Metro	-	-	650,000	875,000	-	1,525,000
West Innovation	-	135,000	-	-	-	135,000
Perimeter Center (Fund #425)	-	-	-	300,000	-	300,000
Perimeter West (Fund #431)	300,000	125,000	-	-	-	425,000
Tartan West	2,135,000	-	-	-	-	2,135,000
Repayment of outstanding advances	708,500	708,500	1,208,500	1,902,000	2,113,500	6,641,000
Debt:						
Income tax repayment	53,195,000	4,930,000	10,030,000	11,900,000	7,000,000	87,055,000
TIF repayment	-	-	-	7,560,000	1,500,000	9,060,000
Property Tax repyament	-	-	-	6,100,000	-	6,100,000
Sewer Fund repayment	1,140,000	3,610,000	2,065,000	7,000,000	3,205,000	17,020,000
Other Funds:						
Special Reveunue Funds-						
Wireless 911 Fund	431,000	-	-	-	-	431,000
Hotel/Motel Tax Fund	150,000	415,000	60,000	415,000	45,000	1,085,000
Enterprise Funds-						
Water Fund	1,270,000	2,265,000	1,220,000	1,315,000	1,385,000	7,455,000
Sewer Fund	650,000	275,000	225,000	260,000	250,000	1,660,000
Other sources:						
Grants	244,000	180,000	2,800,000	0	0	3,224,000
MORPC Attributable Funds	-	-	7,000,000	-	-	7,000,000
Developer contribution	-	-	492,800	-	-	492,800
Total Resources	90,249,780	32,347,824	45,373,032	54,197,163	31,137,511	253,305,310
Total Proposed Funded Projects	86,184,000	35,680,000	45,731,000	54,530,000	30,705,000	252,560,000
Difference between Resources and Proposed Funded Projects	Agrees with Recap of Recommended Projects, Available Resources					$ 745,310

City of Dublin
Estimated Resources Available For Capital Projects (Non-utilities)
For The Years 2017 Through 2021

Recap of Projected Reserves For The Years 2017 through 2021		
Year-end 2016	$ 2,000,000	
Year-end 2017	0	
Year-end 2018	0	
Year-end 2019	0	
Year-end 2020	0	
Year-end 2021	0	
		$ 2,000,000
Recap of Estimated Income Tax Allocated For Cash Capital Projects For The Years 2017 Through 2021		
2017	$ 8,473,410	
2018	8,600,500	
2019	8,729,500	
2020	8,993,300	
2021	9,128,200	
		$ 43,924,910
Recap of Surplus From Debt Allocated Income Tax		
2017	$ 4,055,395	
2018	5,140,224	
2019	4,436,432	
2020	3,901,263	
2021	2,725,211	
		$ 20,258,525
Recap of Estimated Interest Income for Capital Imp. Tax Fund		
2017	$ 150,000	
2018	150,000	
2019	150,000	
2020	150,000	
2021	150,000	
		$ 750,000
Total Estimated Resources		$ 66,933,435

2017 - 2021
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
INCOME TAX REVENUE

	2015	2016	2017	2018	2019	2020	2021
Income Tax Revenue*	$87,784,862	$85,590,000	$84,734,100	$86,005,000	$87,295,000	$89,933,000	$91,282,000
Revenue for capital projects (25% of income tax revenue)	21,946,216	21,397,500	21,183,525	21,501,250	21,823,750	22,483,250	22,820,500
[1]Revenue available for cash capital projects	8,778,486	8,559,000	8,473,410	8,600,500	8,729,500	8,993,300	9,128,200
[2]Revenue available for debt financed projects	13,167,729	12,838,500	12,710,115	12,900,750	13,094,250	13,489,950	13,692,300
[3]Recommended maximum amount of outstanding debt	$ 113,065,736	$ 81,075,342	$ 40,178,727	$ 40,507,719	$ 44,674,237	55,020,678	58,356,273

* Income tax revenue for 2015 reflects actual collections.
The remaining years reflect an estimated increase/decrease over the previous year as follows:

2016 - Based on a <2.5%> decrease over 2015 actual collections; Original estimate of $83,285,000 represented a 5.1% decrease over 2015 actual collections.
2017 - <1.0%>
2018 - 1.5%
2019 - 1.5%
2020 - 1.5%
2021 - 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.

2017 - 2021
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
DEBT SERVICE PAYMENTS DUE
(Income tax supported debt only)

Debt Issue	2016	2017	2018	2019	2020	2021
Community Recreation Center Expansion (2018)	$ 278,172	$ 268,092	$ 191,012	$ -	$ -	$ -
Scioto (Emerald Parkway) Bridge Construction (2017)	554,040	533,520	-	-	-	-
Avery-Muirfield/US 33 interchange (2019)	574,250	575,775	577,000	575,700	-	-
Emerald Pkwy-Perimeter/Shier Rings (2019)	533,675	534,355	537,275	541,057	-	-
Service Complex expansion (2021)	276,530	276,598	275,233	274,107	277,758	179,863
Swimming Pool Construction (2025)	218,459	217,241	216,636	215,610	214,085	213,032
LED street lighting	261,850	261,775	266,550	261,850	265,825	263,775
Justice Center Addition (2035)	310,000	454,820	781,494	783,494	780,294	780,294
Riverside Dr-SR 161 Roundabout/Riverside Dr. Realignment/Park (2035)	725,000	-	-	-	732,725	1,532,125
Bridge Park Parking Structures - Tax Exempt	-	330,669	718,231	718,231	718,231	718,231
Bridge Park Parking Structures - Taxable	215,139	672,675	972,675	1,352,675	1,352,925	1,341,425
Service Center Expansion	*240,000*	*240,000*	*240,000*	*240,000*	*240,000*	*240,000*
City Building Facilities	-	*349,200*	*349,200*	*349,200*	*349,200*	*349,200*
CML Library Parking Deck	-	*800,000*	*800,000*	*800,000*	*800,000*	*800,000*
Historic District High Street	-	*200,000*	*200,000*	*200,000*	*200,000*	*200,000*
Historic Dublin CML Street Network	-	*368,000*	*368,000*	*368,000*	*368,000*	*368,000*
Riverside Drive Park (2017)	-	*752,000*	*752,000*	*752,000*	*752,000*	*752,000*
Scioto River Pedestrian Bridge	-	*1,820,000*	*1,820,000*	*1,820,000*	*1,820,000*	*1,820,000*
Emerald Bridge Deck Overlay	-	-	*200,000*	*200,000*	*200,000*	*200,000*
Post Preserve Access Modification	-	-	*114,400*	*114,400*	*114,400*	*114,400*
Riverside Drive Park (2018)	-	-	*80,000*	*80,000*	*80,000*	*80,000*
Riverside Drive Park (2019)	-	-	-	*560,000*	*560,000*	*560,000*
Hyland Croy/Post Preserve Roundabout	-	-	-	*122,400*	*122,400*	*122,400*
Shawan Falls Ext. Phase I	-	-	-	*400,000*	*400,000*	*400,000*
Riverside Drive Park (2020)	-	-	-	-	*152,000*	*152,000*
Dublin Community Pool North	-	-	-	-	*400,000*	*400,000*
US33/161/Frantz Road Intersection (Acq.)	-	-	-	-	*120,000*	*120,000*
Post Rd. Realignment/Kilgour Place Widening	-	-	-	-	*640,000*	*640,000*
Subtotal	$4,187,115	$8,654,720	$9,459,706	$10,728,724	$11,659,843	$12,346,745
Less: MSP per Bridge Park Development Agreement (for Bridge Park Parking Structure Debt Service)	$0	$0	(1,699,180)	(2,070,906)	(2,071,156)	(2,059,656)
Total	**$4,187,115**	**$8,654,720**	**$7,760,526**	**$8,657,818**	**$9,588,687**	**$10,287,089**
Income tax revenue available for debt retirement	**$ 12,838,500**	**$ 12,710,115**	**$ 12,900,750**	**$ 13,094,250**	**$ 13,489,950**	**$ 13,692,300**
Balance available [3]	**$ 8,651,385**	**$ 4,055,395**	**$ 5,140,224**	**$ 4,436,432**	**$ 3,901,263**	**$ 3,405,211**
Amount of additional debt that could be supported [4]	**$ 108,142,313**	**$ 50,692,432**	**$ 64,252,802**	**$ 55,455,404**	**$ 48,765,787**	**$ 42,565,141**
Recommended maximum amount of additional debt	**$ 97,328,082**	**$ 45,623,189**	**$ 57,827,522**	**$ 49,909,864**	**$ 43,889,208**	**$ 38,308,626**

[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.

2017 - 2021
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
DEBT SERVICE PAYMENTS DUE
(Debt supported by other sources)

Debt Issue	2016	2017	2018	2019	2020	2021
Service Payments						
Emerald Parkway-Phase 2 (2016) [1]	$ 494,000	$ -	$ -	$ -	$ -	$ -
Rings Road improvements (2020) [1]	274,081	274,890	276,874	279,391	281,181	-
Woerner-Temple Road (2020) [2]	448,662	449,263	452,222	455,572	-	-
Perimeter Drive extension (2020) [1]	305,874	306,777	308,990	311,802	313,799	-
Emerald Parkway-Phase 7A (2020) [1]	155,678	156,137	157,264	158,695	159,711	-
Industrial Parkway/SR 161 improvements [1]	660,031	658,356	657,106	665,206	667,144	661,119
Emerald Parkway-Phase 8 (2033) [1]	483,775	479,475	482,375	482,925	480,425	481,275
I-270/US 33/SR 161 Interchange-ROW (2023) [1]	1,035,475	1,037,725	1,036,100	1,037,825	1,033,075	1,037,375
I-270/US 33/SR 161 Interchange-Construction (2034) [1]	722,508	1,422,725	1,392,256	1,360,865	1,328,525	1,295,208
BSD Land Acquisition for Roundabout (2019/2033)	391,738	393,263	392,413	393,788	392,800	390,300
Riverside Dr-SR 161 Roundabout/Riverside Dr. Realignment/Park (2035)	-	1,074,774	1,844,925	1,846,025	1,109,000	310,000
Bridge Park Street Network (2035)	-	486,843	841,481	842,881	844,081	845,081
John Shields Parkway Phase II [2]	*840,000*	*840,000*	*840,000*	*840,000*	*840,000*	*840,000*
Graham Street/Tuller Flats Roadway Network [2]	*173,160*	*173,160*	*173,160*	*173,160*	*173,160*	*173,160*
Avery Rd. Widening Phase II [2]	-	-	-	-	-	*604,800*
	$ 5,984,982	**$ 7,753,388**	**$ 8,855,166**	**$ 8,848,135**	**$ 7,622,902**	**$ 6,638,319**
Water and Sewer Funds						
Upper Scioto West Branch (2018)	1,313,541	1,329,635	671,161	-	-	-
Darree Fields Water Tower (2029)	139,763	138,338	140,963	134,463	136,850	134,600
Dublin Road Water Tower (2032)	156,413	158,963	156,463	159,413	156,788	158,563
Sewer Line Repairs (2029)	149,325	152,825	150,200	148,625	150,738	148,263
Sewer Line Repairs (2032)	171,050	168,425	170,750	168,550	170,725	172,200
Sewer System Improvements (2035)	75,000	105,766	184,969	183,069	186,169	184,169
Sewer System Improvements [3]	*52,000*	*52,000*	*52,000*	*52,000*	*52,000*	*52,000*
Sewer System Improvements/Extensions [3]	-	*91,200*	*91,200*	*91,200*	*91,200*	*91,200*
Sewer System Improvements/Extensions [3]	-	-	*288,800*	*288,800*	*288,800*	*288,800*
Sewer System Improvements/Extensions [3]	-	-	-	*165,200*	*165,200*	*165,200*
Sewer System Improvements/Extensions [3]	-	-	-	-	*560,000*	*560,000*
Sewer System Improvements/Extensions [3]	-	-	-	-	-	*256,400*
	$ 2,057,091	**$ 2,197,151**	**$ 1,906,505**	**$ 1,391,319**	**$ 1,958,469**	**$ 2,211,394**
Special Assessments						
Ballantrae improvements (2021)	128,752	128,784	128,148	127,624	129,323	83,743
	$ 128,752	**$ 128,784**	**$ 128,148**	**$ 127,624**	**$ 129,323**	**$ 83,743**
Property Taxes (Inside millage)						
Parkland acquisition-Coffman Park (2020)	$ 236,700	$ 238,820	$ 239,540	$ 240,520	$ 207,000	$ -
Metro Park contribution (2017)	385,000	385,000	-	-	-	-
Reserved for US 33/SR 161/Post Interchange [3]	-	-	-	-	*488,000*	*488,000*
	$ 621,700	**$ 623,820**	**$ 239,540**	**$ 240,520**	**$ 695,000**	**$ 488,000**
Hotel/Motel Tax Revenues						
Arts Facility (2020)	**$ 162,254**	**$ 162,734**	**$ 163,909**	**$ 165,400**	**$ 166,460**	**$ -**
Total	**$ 8,954,780**	**$ 10,865,878**	**$ 11,293,268**	**$ 10,772,998**	**$ 10,572,154**	**$ 9,421,456**

[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.

Highlighted rows indicate anticipated future debt.
Estimated debt service obligations are based on 20 year bonds at 4% and level payments

2017 - 2021 Proposed Capital Improvements Program
Debt Proceeds

Proposed Project	2017	2018	2019	2020	2021
Long-Term Bonds-Retired by Income Taxes					
City Facilities					
5800 Building, Salt Barns	$ 4,445,000	$ -	$ -	$ -	$ -
CML Library Parking Deck	10,000,000	-	-	-	-
Historic District High Street	2,500,000	-	-	-	-
Historic Dublin CML Street Network	4,600,000	-	-	-	-
Riverside Drive Park	9,400,000	1,000,000	7,000,000	1,900,000	-
Scioto River Pedestrian Bridge	22,750,000	-	-	-	-
Emerald Parkway Bridge Deck Overlay	-	2,500,000	-	-	-
Post Preserve Access Modification	-	1,430,000	-	-	-
Riverside Drive Park (2018)	-	-	-	-	-
Riverside Drive Park (2019)	-	-	-	-	-
Hyland Croy/Post Preserve Roundabout	-	-	1,530,000	-	-
Shawan Falls Ext. Phase I	-	-	5,000,000	-	-
Riverside Drive Park (2020)	-	-	-	-	-
Dublin Community Pool North	-	-	-	5,000,000	-
US33/161/Frantz Road Intersection (Acq.)	-	-	-	1,500,000	-
Post Rd. Realignment/Kilgour Place Widening	-	-	-	8,000,000	-
Total - Retired by Income Taxes	**$ 53,695,000**	**$ 4,930,000**	**$ 13,530,000**	**$ 16,400,000**	**$ -**
Long-Term Bonds-Retired by Utility Revenues					
Sewer Extensions to Unserved Areas (Sewer/GF)	$ 760,000	$ 865,000	$ 1,480,000	$ 2,750,000	$ 1,820,000
Sewer lining and repairs (Sewer Fund)	380,000	2,745,000	585,000	4,250,000	1,385,000
Total - Retired by Sewer Revenues	**$ 1,140,000**	**$ 3,610,000**	**$ 2,065,000**	**$ 7,000,000**	**$ 3,205,000**
Long-Term Bonds-Retired by TIF Revenues					
Avery Road Widening Phase II	$ -	$ -	$ -	$ -	$ 7,560,000
Total - Retired by TIF Revenues	**$ -**	**$ -**	**$ -**	**$ -**	**$ 7,560,000**
Long-Term Bonds-Retired by Property Tax Revenues					
33/161/Post Road Interchange	**$ -**	**$ -**	**$ -**	**$ 6,100,000**	**$ -**
TOTAL	**$ 54,835,000**	**$ 8,540,000**	**$ 15,595,000**	**$ 29,500,000**	**$ 10,765,000**

City of Dublin
2017 - 2021 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 Fund[1]	0.8 mills	Debt Funding
Capital Improvements Tax Fund[2]	0.6 mills	Cash Funding

Funding allocation	2017	2018	2019	2020	2021
Parkland Acquisition Fund	$ 700,000	$ 700,000	$ 700,000	$ 700,000	$ 700,000
Capital Improvements Tax Fund [1]	-	-	-	488,000	488,000
Capital Improvements Tax Fund[2]	2,800,000	2,800,000	2,800,000	2,312,000	2,312,000
Total	$ 3,500,000	$ 3,500,000	$ 3,500,000	$ 3,500,000	$ 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 2017-2021 CIP Funding can still be used for Parkland Acquisition from the Capital Improvements Tax Fund.

2017 - 2021 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 12/31/2016	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	2021 Advances Repaid	Balance at 12/31/2021
Thomas/Kohler TIF	$ 1,265,000	$ 250,000	$ 1,015,000	$ 250,000	$ 765,000	$ 250,000	$ 515,000	$ -	$ 515,000	$ -	$ 515,000
Thomas/Kohler TIF - $3 m	3,000,000	-	3,000,000	-	3,000,000	-	3,000,000	-	3,000,000	-	3,000,000
Perimeter West TIF	590,000	-	810,000	-	3,465,000	-	5,095,000	-	5,115,000	-	9,673,000
Upper Metro Place	-		-		-		-		2,000,000		2,500,000
Rings/Frantz (Nationwide) TIF	3,938,638	-	3,938,638	-	3,938,638	500,000	3,438,638	500,000	2,938,638	500,000	2,438,638
Historic Dublin TIF	223,500	70,000	153,500	70,000	83,500	70,000	13,500	13,500	-	-	-
Emerald-Phase 5	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	50,000	1,652,500	40,000	1,612,500
Tartan West TIF	8,162,000	-	8,162,000	-	8,162,000	-	8,162,000	650,000	7,512,000	700,000	6,812,000
Perimeter Center TIF	-		-	-	-	-	2,700,000	300,000	2,400,000	450,000	1,950,000
Ruscilli TIF	-		-		500,000	-	500,000	-	800,000	-	800,000
Perimeter Loop	574,200	35,000	539,200	35,000	504,200	35,000	469,200	35,000	434,200	35,000	399,200
Lifetime Fitness TIF	2,250,000	150,000	2,100,000	150,000	1,950,000	150,000	1,800,000	150,000	1,650,000	150,000	1,500,000
Irelan Place TIF	39,437	3,500	35,937	3,500	32,437	3,500	28,937	3,500	25,437	3,500	21,937
River Ridge TIF	2,593,000	-	2,593,000	-	2,593,000	-	2,593,000	-	2,593,000	-	2,593,000
Shamrock Crossing TIF	1,187,900	100,000	1,087,900	100,000	987,900	100,000	887,900	100,000	787,900	60,000	727,900
Bridge and High TIF	3,797,150	100,000	3,697,150	100,000	3,597,150	100,000	3,497,150	100,000	3,397,150	75,000	3,322,150
Frantz/Dublin Road TIF	228,560	-	228,560	-	228,560	-	228,560	-	228,560		228,560
Pizzuit TIF	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	5,865,000	-	5,865,000	-	5,865,000	-	5,865,000	-	5,865,000		5,865,000
Rings Road	374,100		374,100		374,100		374,100	-	374,100	100,000	274,100
Frantz/Dublin Rd (Cardinal South) TIF	-										
OU TIF	1,275,000	-	1,275,000	-	1,275,000	-	3,075,000	-	3,075,000		
Total	$ 40,111,325	$ 708,500	$ 39,922,825	$ 708,500	$ 43,489,325	$ 1,208,500	$ 48,410,825	$ 1,902,000	$ 48,828,825	$ 2,113,500	$ 46,182,985

2017 - 2021
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
WATER FUND
STATEMENT OF PROJECTED REVENUE, EXPENSE, AND FUND BALANCE

	2015	2016	2017	2018	2019	2020	2021
Revenues:							
User charges	$ 692,236	$ 621,614	$ 627,653	$ 633,692	$ 638,121	$ 642,550	$ 646,978
Tap fees	654,263	343,980	323,190	255,150	258,930	355,320	207,900
Interest	109,234	70,920	187,877	174,743	152,826	146,193	137,802
Fire hydrant permits	5,625	1,800	1,000	1,000	1,000	1,000	1,000
	1,461,358	1,038,314	1,139,720	1,064,586	1,050,877	1,145,062	993,681
Expenses:							
Salaries/wages	108,156	112,482	116,982	121,661	126,527	131,589	136,852
Benefits/uniforms	45,786	47,618	49,522	51,503	53,563	55,706	57,934
Utilities	157,600	163,904	170,461	177,279	184,370	191,745	199,415
Contract services	126,489	50,000	50,000	50,000	50,000	50,000	50,001
Hydrant maintenance	42,539	44,241	46,010	47,851	49,765	51,755	53,825
Other	3,780	15,000	15,000	15,000	15,000	15,000	15,001
	484,351	433,245	447,975	463,294	479,226	495,795	513,028
Capital expenditures	566,057	833,369	1,270,000	2,265,000	1,220,000	1,315,000	1,385,000
Debt service:							
2009 issue	136,113	139,763	138,338	140,963	134,463	136,850	134,600
2012 issue	158,313	156,413	158,963	156,463	159,413	156,788	158,563
	294,425	296,176	297,301	297,426	293,876	293,638	293,163
Net cash (required) provided	116,525	(524,475)	(875,556)	(1,961,134)	(942,224)	(959,370)	(1,197,511)
Advances-out	-	-	-	-	-	-	-
Advances-in	-	-	-	500,000	500,000	400,000	50,000
Transfers-out	-	-	-	-			
Transfers-in	217,833	-	-	-	-	-	-
Beginning balance	12,715,222	13,049,581	12,525,105	11,649,549	10,188,415	9,746,191	9,186,821
Ending balance	$ 13,049,581	$ 12,525,105	$ 11,649,549	$ 10,188,415	$ 9,746,191	$ 9,186,821	$ 8,039,310

2017 - 2021
FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM
SEWER FUND
STATEMENT OF PROJECTED REVENUE, EXPENSES, AND FUND BALANCE

	2015	2016	2017	2018	2019	2020	2021
Revenues:							
User charges	$ 2,074,602	$ 1,876,500	$ 1,959,161	$ 1,982,624	$ 1,999,830	$ 2,017,036	$ 2,034,242
Tap fees	584,290	331,500	402,220	380,120	335,920	351,390	243,100
Interest	40,168	56,927	50,000	50,000	50,000	50,000	50,000
Other	-	-	-	-	-	-	-
Bond Proceeds/Other Proceeds	2,159,087						
Income tax subsidy	-	-	-	-	-	-	-
	4,858,147	2,264,927	2,411,381	2,412,744	2,385,750	2,418,426	2,327,342
Expenses:							
Salaries/wages	606,608	630,872	656,107	682,352	709,646	738,031	767,553
Benefits/uniforms	243,001	252,721	262,830	273,343	284,277	295,648	307,474
Utilities	-	-	-	-	-	-	-
Contract services	225,952	50,000	50,000	50,000	50,000	50,000	50,000
Repairs/maintenance	-	150,000	150,000	150,000	150,000	150,000	150,000
Other	23,874	15,000	15,000	15,000	15,000	15,000	15,000
	1,099,435	1,098,593	1,133,937	1,170,695	1,208,922	1,248,679	1,290,026
Capital expenditures (cash funded only)	2,195,561	248,983	650,000	225,000	225,000	250,000	$ 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	148,263
2012 issue	168,100	171,050	168,425	170,750	168,550	170,725	172,200
2015 issue	-	75,000	105,766	184,969	183,069	186,169	184,169
2016 issue	-	52,000	52,000	52,000	52,000	52,000	52,000
2017 issue	-	-	91,200	91,200	91,200	91,200	91,200
2018 issue	-	-	-	288,800	288,800	288,800	288,800
2019 issue	-	-	-	-	165,200	165,200	165,200
2020 issue	-	-	-	-	-	560,000	560,000
2021 issue	-	-	-	-	-	-	256,400
	1,669,646	1,798,096	1,920,936	1,613,479	1,097,444	1,664,831	1,918,231
Net cash (required) provided	(106,496)	(880,746)	(1,293,494)	(596,431)	(145,617)	(745,086)	(1,130,916)
Advances-out	-	-	-	-	-	-	-
Advances-in	-	-	-	-	-	-	-
Transfers-out	-						
Transfers-in	-	200,000	200,000	400,000	400,000	400,000	400,000
Transfers-in (GF - extensions)	-	-	-	-	-	-	-
Beginning balance	5,799,203	5,692,710	5,011,964	3,918,470	3,722,039	3,976,422	3,631,336
Ending balance	$ 5,692,710	$ 5,011,964	$ 3,918,470	$ 3,722,039	$ 3,976,422	$ 3,631,336	$ 2,900,420

City of Dublin
2017 - 2021 Proposed Capital Improvements Program
Intergovernmental Revenue

Description	2017	2018	2019	2020	2021
Other Government Funding					
Avery Road Widening					
MORPC Attributable Funds	$ -	$ -	$ 7,000,000	$ -	$ -
City of Columbus (Pay as you Grow)	-	-	2,800,000	-	-
NextGen 911 Upgrade					
Franklin County	244,000	-	-	-	-
Incident Dispatch Team Response Vehicle					
Local Government Safety Grant Program	-	180,000	-	-	-
Total Intergovernmental Funding	**$ 244,000**	**$ 180,000**	**$ 9,800,000**	**$ -**	**$ -**

4-Administration

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	ADMINISTRATION										
CAPITAL ALLOCATIONS											
AL171	Land Acquisition	0	500	500	500	500	500	500	2,500	0	2,500
AL172	Parkland Acquisition	0	650	650	650	650	650	650	3,250	0	3,250
AA171	Contingencies	0	250	250	250	250	250	250	1,250	0	1,250
ES142	Allocation for Sewer Extensions	0	200	400	400	400	400	400	2,000	0	2,000
7/27/2016	**TOTAL**	**0**	**1,600**	**1,800**	**1,800**	**1,800**	**1,800**	**1,800**	**9,000**	**0**	**9,000**

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

City of Dublin

2017 - 2021 Capital Improvements Program

ADMINISTRATION – CAPITAL ALLOCATIONS

AL171 Annual Allocation for 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.

AL172 Annual Allocation for Parkland Acquisition

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 2016 – 2020 CIP, Council approved the current allocation through 2020.

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:

	2017	2018	2019	2020	2021
Estimated revenue	$650,000	$650,000	$650,000	$650,000	$650,000
Less:					
Payment to Metro Parks	(385,000)	---	---	---	---
Debt service	(238,820)	(239,540)	(240,520)	(207,000)	---
Estimated balance available	$26,180	$410,460	$409,480	$443,000	$650,000

City of Dublin

2017 - 2021 Capital Improvements Program

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.

AA171 Annual Allocation for 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. $250,000 is allocated each year.

ES140 Annual Allocation for Sewer Extensions

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-Facilities

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	CITY FACILITIES										
CAPITAL MAINTENANCE											
	City-Wide										
AB171	Building Maintenance/Renovations	0	665	880	625	290	155	130	2,080	0	2,080
	Justice Center										
AB061	Paint Current Roof to Match Expansion Roof	0	100	0	0	0	0	0	0	0	0
	Dublin Community Recreation Center (DCRC)										
AB061	Renovate Comp Pool (LED lighting, drains, wall tile)	0	465	0	0	0	0	0	0	0	0
AB061	Replace Skylights in Pools, Fitness, Entry	0	200	0	0	0	0	0	0	0	0
AB061	Replace Flat Roof and Shingle Roof	0	650	0	0	0	0	0	0	0	0
7/29/2016	**TOTAL**	**0**	**2,080**	**880**	**625**	**290**	**155**	**130**	**2,080**	**0**	**2,080**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
	5800 Building										
AB175	Relocate Entrance	0	1,050	0	0	0	0	0	0	0	0
AB175	Renovate Office Space	0	0	3,480	0	0	0	0	3,480	0	3,480
	Fleet										
AB174	Salt Barns (2)	0	0	465	0	500	0	0	965	0	965
	Justice Center										
AB061	Covered Parking	0	0	0	0	0	0	0	0	1,800	1,800
	Dublin Community Recreation Center (DCRC)										
AB173	Pool Tile Replacement	0	0	230	0	0	0	0	230	0	230
	Service Center										
AB163	12,000 sq ft Addition	0	3,400	0	0	0	0	0	0	0	0
7/29/2016	**TOTAL**	**0**	**4,450**	**4,175**	**0**	**500**	**0**	**0**	**4,675**	**1,800**	**6,475**
	TOTAL - CITY FACILITIES	**0**	**6,530**	**5,055**	**625**	**790**	**155**	**130**	**6,755**	**1,800**	**8,555**

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

City of Dublin

2017 - 2021 Capital Improvements Program

FACILITIES
CAPITAL MAINTENANCE

AB171 **Building Maintenance/Renovations**

The amount requested for **2017** projects is broken down as follows:

Location	Description	Amount
Dublin Art's Council Building	Additional window replacements. *(Funding source will be the Hotel/Motel Tax Fund.)*	25,000
	Alternative water purification system. *(Funding source will be the Hotel/Motel Tax Fund.)*	45,000
Chamber of Commerce	Window replacements.	25,000
City Hall & Annex	Expand and renovate first floor restrooms.	75,000
	Add City Hall and Community Relations to Automated Logic HVAC Control System.	35,000
Fleet Building	Renovate reception and sign shop areas; repair windows and replace cabinets in breakroom.	40,000
	Replace two overhead doors in vehicle wash bay and cold storage.	75,000
Parks	Coffman Park – replace soft top cover for Amphitheater.	25,000
	Coffman Park – renovates to Coffman House and Barn (working with the Historical Society).	50,000
	Kaltenbach Park – install Automated Logic and replace RTU device in the Kaltenbach Community Center.	10,000
	Renovations to multiple barns (painting, lighting, roof) and Trinity and Westbury Park shelter houses.	10,000
	Demolish Hutchins House garage (off of Riverside Drive).	15,000
Service Center	Upgrade remaining analog security cameras to digital cameras.	30,000
	Repair one of the existing salt barns (until replaced).	50,000

City of Dublin

2017 - 2021 Capital Improvements Program

Dublin Community Recreation Center (DCRC)	Replace some AAON Roof Top Units and update Automated Logic Controls.	90,000
	Upgrade fire alarm system.	38,000
	Additional aerobic room, storage and administrative space (on second floor by closing-in some of the open space).	25,000
	Upgrade remaining analog security cameras to digital cameras.	50,000
South Pool	Replace cedar roof on main building, concession stand and pump house (2016 and 2017).	36,000
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		**$880,000**

AB061

Justice Center

In 2016 the Justice Center is undergoing an expansion project. Funds were programmed in 2016 for painting the roof to match the expansion project roof. As of July 2016, the construction of the expansion building is still on-going.

Dublin Community Recreation Center (DCRC)

Funding was included in 2016 for the DCRC for skylight replacements in the pool area, fitness area, and entry corridor and roof pyramid of the building. Also included was funding to replace the flat roof and shingle roof of the building, and funds to renovate the competition pool LED lighting and slot drains.

City of Dublin

2017 - 2021 Capital Improvements Program

FACILITIES
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

AB175 5800 Building Renovations

Funds included in 2017 for this project will completely renovate both floors of the building and create a new entrance and lobby area to improve access to the building and enhance security. The renovations include a reduction in individual offices and expanded collaboration space. Renovations will improve work flow and interagency collaboration. The estimate includes furniture, fixtures, and equipment ($990,000) as well as roof replacement ($350,000). Renovation will improve work flow and inter-agency collaboration.

This project will be funded through debt issuance.

AB174 Salt Barns

Funds are programmed in 2017 and 2019 for construction of two new salt barns. The City currently has two 2,000 ton barns that are deteriorating and in need of major maintenance. This project would replace one of the barns with a larger 6,000 ton barn in 2017 and the other in 2019. The resulting capacity from the two new barns will equal 12,000 tons. This capacity will ensure ample salt supplies during harsh winters. The new barns will be built on the site of the current Fleet Management Complex.

This project will be funded through debt issuance.

AB061 Justice Center

Funds were programmed in 2015 to provide for major renovations to the Justice Center including a two story addition and an expansion of the Communications (Dispatch) area. Construction of the addition is expected to be completed in August 2016 with the renovations of the existing space completed by March 2017. 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.

An amount is shown beyond the five-year period (2021) for a potential carport project for patrol vehicles.

City of Dublin

2017 - 2021 Capital Improvements Program

AB173 **Dublin Community Recreation Center (DCRC)**

Funds are programmed in 2017 for pool tile replacement to replace the original wall tile with tile that matches the current color palette for the overall building. This will improve the overall aesthetics of the leisure and lap pools.

AB163 **Service Center Expansion**

Funds are programmed in 2016 for a two story addition to the southeast corner of the existing Service Center building on Shier Rings Road (not yet begun as of July 2016). The addition includes approximately 13,800 square feet of new space and 8,000 square feet of minor renovations. The two-story expansion will accommodate the relocation of Engineering Division from its current location in the 5800 Building. Existing office and warehouse space will be reorganized to enhance both operational and space efficiency. Co-locating Engineering, and Street and Utilities Operations, will result in service delivery efficiencies. Renovations will also feature enhanced wayfinding and branding.

6-Fleet

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	CITY-WIDE FLEET										
CAPITAL MAINTENANCE											
AV171	Replacement Vehicles	0	1,000	1,000	1,000	1,000	1,000	1,000	5,000	0	5,000
AV173	Replacement Equipment	0	735	405	420	535	330	100	1,790	0	1,790
7/29/2016	**TOTAL**	**0**	**1,735**	**1,405**	**1,420**	**1,535**	**1,330**	**1,100**	**6,790**	**0**	**6,790**
NEW CAPITAL ASSETS											
AV171	New Vehicles	0	140	230	205	40	0	0	475	0	475
AV173	New Equipment	0	0	110	25	0	25	25	185	0	185
7/29/2016	**TOTAL**	**0**	**140**	**340**	**230**	**40**	**25**	**25**	**660**	**0**	**660**
	TOTAL - CITY-WIDE FLEET	**0**	**1,875**	**1,745**	**1,650**	**1,575**	**1,355**	**1,125**	**7,450**	**0**	**7,450**

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

City of Dublin

2017 - 2021 Capital Improvements Program

FLEET MANAGEMENT PROGRAM
CAPITAL MAINTENANCE AND NEW CAPITAL ASSETS

AV171 Vehicle Replacements and New Vehicles

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.

Programming for replacement and new vehicles for the five year period is listed below:

Dept./Div.	**2017**	**2018**	**2019**	**2020**	**2021**
Replacement Vehicles:	$1,000,000	$1,000,000	$1,000,000	$1,000,000	$1,000,000
New Vehicles:					
Street & Utilities Operations	$0	$0	$0	$0	$0
Development	25,000	0	0	0	0
Parks Operations	0	0	0	0	0
Police	205,000	**205,000	40,000	0	0
Facilities Management	0	0	0	0	0
Total	**$1,230,000**	**$1,205,000**	**$1,040,000**	**$1,000,000**	**$1,000,000**

*(** - $180,000 for an Incident Dispatch Response Team vehicle may be funded by a grant.)*

City of Dublin

2017 - 2021 Capital Improvements Program

AV173 Equipment Replacements and New Equipment
The equipment request for the five year period includes:

Dept./Div.	2017	2018	2019	2020	2021
Street & Utilities Operations	$185,000	$50,000	$280,000	$25,000	$67,000
Parks Operations	236,000	370,000	257,000	230,000	30,000
Other	95,000	25,000	0	100,000	25,000
rounding	(1,000)		(2,000)		3,000
Total replacement	$515,000	$445,000	$535,000	$355,000	$125,000

A breakdown of 2017 equipment includes:

Parks Operations

Replace Case CX60 tractor *plus warranty*
Replace Vemer Vactor #8743
Replace 8321 Toro Workman 4300
Replace JD 250 Skid Steer #8071
Mobile Graffiti Removal Trailer and Powerwasher
Fertilizer/Seeder #8998

Street & Utilities Operations

Leaf Vac Orange Pull Behind #7607
Message Boards #7430
Trailer Replacement
JD Tractor # 7925 w/mower

Other

Metered Bulk Oil Delivery System (Fleet)
Metered DEF Delivery System (Fleet)

7-Parks

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	PARKS										
CAPITAL MAINTENANCE											
AR171	Park Renovations / Rehabilitations	0	615	910	800	800	800	800	4,110	0	4,110
AB172	Public Art Maintenance	0	15	15	15	15	15	15	75	0	75
8/2/2016	**TOTAL**	**0**	**630**	**925**	**815**	**815**	**815**	**815**	**4,185**	**0**	**4,185**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
AG17B	Bike Rack Installation	0	25	25	25	25	25	25	125	0	125
GR121	Dublin Arts Council Site Renovations	283	0	30	350	35	400	0	815	725	1,540
GR111	Llewellyn Farms South Park	0	0	0	0	100	0	0	100	0	100
GR113	IGS Park (TIF)	161	0	0	0	30	150	0	180	0	180
GR161	Barronsmore Mound (Ballantrae)	0	0	0	0	0	115	0	115	0	115
GR143	Outdoor Exercise Equipment	39	20	0	0	0	0	0	0	0	0
GR144	Obstacle Course	0	255	0	0	0	0	0	0	0	0
GR991	Darree Fields Development	6,384	80	0	290	0	0	0	290	1,215	1,505
GR993	Amberleigh Community Park	2,634	0	0	0	0	75	0	75	600	675
GR994	Emerald Fields (N.E. Quad Park)	5,160	55	225	0	0	0	0	225	0	225
GR992	Coffman Park Expansion	4,636	95	300	0	0	0	0	300	3,485	3,785
GR162	Post Road Bike Path Bridge	0	140	0	0	0	0	0	0	0	0
GR114	Holder-Wright Farm and Earthworks	2,040	1,125	80	0	0	0	0	80	2,035	2,115
GR133	Riverside Park	2,863	2,210	9,400	1,000	7,000	1,900	0	19,300	8,650	27,950
GR163	Tuller Flats	0	0	0	0	0	0	0	0	460	460
GR115	DCPN (North Pool)	795	75	0	0	760	5,000	0	5,760	0	5,760
GR171	Dublin Community Pool South	0	0	190	0	0	750	0	940	0	940
GR172	John Shields Parkway Greenway	0	0	0	0	0	0	0	0	1,200	1,200
8/2/2016	**TOTAL**	**24,995**	**4,080**	**10,250**	**1,665**	**7,950**	**8,415**	**25**	**28,305**	**18,370**	**46,675**
	TOTAL - PARKS	**24,995**	**4,710**	**11,175**	**2,480**	**8,765**	**9,230**	**840**	**32,490**	**18,370**	**50,860**

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

City of Dublin

2017 - 2021 Capital Improvements Program

PARKS
CAPITAL MAINTENANCE

AR171 **Park Renovations / Rehabilitations**

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 **2017**:

Location	Description	Amount
Coffman Park (South)	Well / Electric	$195,000
Kaltenbach Ball Field	Fence (total replacement and upgrade in black)	10,000
Kaltenbach Park	Playground replacement	210,000
Kaltenbach Park	Basketball court resurfacing	30,000
Kaltenbach Park	Basketball goal replacement /hoop system (x4)	12,000
Brandon Park Pond	Enhancement	125,000
Llewellyn Farms (South)	114 sections of 2 rail split rail	13,000
Donegal Cliffs Park	Wrought iron and ornamental fence repairs and painting	10,000
Emerald Field Park	Total replacement of 194 sections in oak fencing	34,000
Kendall Ridge	Basketball court resurfacing	17,000
Monterey Park	Basketball court resurfacing	18,500
Wellington Park	Tennis court resurfacing	36,000
Avery, Darree Fields, and Emerald Fields Parks	Fence topper replacement for baseball/softball fields	19,000
Avery Park (South)	Dugout shade structures (4 fields x 2 dougouts per field)	120,000
Indian Run Falls	Safety improvements	60,000
Total	rounding	**500** **$910,000**

City of Dublin

2017 - 2021 Capital Improvements Program

AB172 **Public Art Maintenance**

This project provides for the funding an annual allocation 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. Like all other infrastructure, the City's artwork is in need of routine maintenance, occasional repairs, and full restoration to prolong its life.

City of Dublin

2017 - 2021 Capital Improvements Program

PARKS
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

AT17B Bike Rack Installation
Funding provides for an annual allocation for bike racks throughout the City. City staff, 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. Installations are on-going. Racks will consist of a mix of standard, custom and functional sculpture bike racks based on location and need.

GR121 Dublin Arts Council Site Renovations
2017 reflects funding for design of 2018 construction for overflow parking, site grading/terracing at the rear of the building, and retaining walls. Funding in 2019 and 2020 reflects funding for additional site work. Terracing at the rear of the building will allow for better programming opportunities; overflow parking (reinforced turf) protects the grounds. Funding for this project will be through the Hotel/Motel Tax Fund.

GR111 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
This project will provide a park area adjacent to commercial areas (Interstate Gas Supply – IGS). The land for the park was provided by IGS Energy per the Economic Development Agreement with the City. Funds in 2019 and 2020 are for a second internal bridge connecting IGS to the park, once their building expansion has been completed. The funding source for this project will be the Thomas/Kohler TIF.

GR161 Barronsmore Mound (Ballantrae)
Funding in 2020 provides for walking paths, plaza, bike racks, benches, and adding electricity.

GR143 Outdoor Exercise Equipment
Funding is provided in 2016 for outdoor exercise equipment in a second location within the City's park system (location yet to be determined as of July 2016).

GR144 Obstacle Course
Funds are programmed in 2016 to provide for opportunities for active children, families, and adults with the construction of a linear or pod obstacle course (location yet to be determined as of July 2016).

City of Dublin

2017 - 2021 Capital Improvements Program

GR991 Darree Fields

This project includes the development of the park in accordance with the completed Master Plan. Funds programmed in 2016 provide for design and construction of shade structures for the dog park. Funding in 2018 provides for design and construction of a new parking lot for the cricket field and community garden area. Funding beyond 2021 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 2021.

GR993 Amberleigh Community Park

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 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.

GR994 Emerald Fields Park (N.E. Quad Park)

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.

City of Dublin

2017 - 2021 Capital Improvements Program

GR992 Coffman Park Expansion

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.

2016 funding provides for design of the areas to be constructed in the future which includes platform tennis court, completion of the warming room, and patio with fire pit, new hard courts, demolition of the old hard courts, balance of the hard court parking lot, landscaping, and court lighting. Construction of a platform tennis court, associated landscape and converting restrooms to a twelve month operation is programmed in 2017. The balance of the Coffman Park Master Plan including the work on the hard courts, gardens, a potential amphitheater, additional shelter houses, and additional walks and landscaping is currently reflected beyond the five year period, and is not programmed.

GR162 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.

GR114 Holder-Wright Farm and Earthworks

This park is situated on an important archeological and historical site on Bright Road. The plan for Holder-Wright Park is to 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 2016 includes 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 in 2017 is for artifact display cases, artifact replications, and educational materials. Funding beyond 2021 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.

GR133 **Riverside Park**

First conceived in the Scioto River Corridor Framework Plan, and most recently affirmed in the May 23, 2016 City Council approval of the Scioto Riverside Park Master Plan, this project provides for the construction of a new central park on both sides of the Scioto River adjacent to Dublin's historic core. The park will ultimately link to other regional parks and recreational systems through potential bicycle/pedestrian facilities, and canoe/kayak access points. The along the west side of the Scioto River is envisioned as a naturalized area with connections to the Indian Run greenway, water access, and trail systems. The park along the east side will feature more active areas to allow for assembly space, restroom/pavilion, extensive paths and landscaping, site lighting and river overlooks.

In addition to fiscal considerations, timing of the planned river park improvements will be driven in part by the completion of adjacent roadway improvements (especially the Riverside Drive relocation which frees-up land for the east side river park), as well as

by the implementation of the park's most iconic feature, the proposed pedestrian bridge crossing the Scioto River through this park. Capital programming prioritization is centered on the implementation of the pedestrian bridge as well as the construction of the plazas associated with the landing areas providing access to that bridge itself.

2016 funding provides for design and construction of significant portions of the base grading and seeding of the east side of the park. On the west side of the river construction of the North Riverview Street extension, which will also provide a critical haul road to provide needed construction access, will be largely completed in 2016. This includes a vehicular rated bridge over the Indian Run that in later phases will be finished with stone veneer. Also initiated in 2016 is the final design of the Phase 1 river park improvements, many of which relate to providing the needed pedestrian bridge landing area plaza mentioned above.

Funding in 2017 through 2021 reflects design fees and construction costs associated with the design and development of the park in multiple phases. The first phase of park development includes funding in 2017 for the construction 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. This plaza is needed to provide access to the new pedestrian bridge on the east side of the river, and its' construction must be carefully coordinated with both the public and private projects occurring with the immediate vicinity of this plaza. The future pedestrian bridge landing plaza on the east side of the River will include a programmable pavilion with comfort stations, performance shelter and potential ice skating rink (the appropriateness and feasibility of which will be assessed early in the design process); 2019 - 2020 includes additional funding for park development on the east side of the river which includes picnic areas, shared use paths, walks, three river overlooks, canoe launch, event lawn, retaining walls, landscaping and site amenities; on the west side of the river this includes extension of Dublin Spring Park north to the Indian Run Creek, as well as a 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. Funds shown beyond 2021 reflects programming for the design and construction of the east landing of the John Shields (JSP) Bridge that includes climbing walls (both natural and artificial), paths down to, and along the river on the east side. The JSP bridge related park improvements are contingent on the capital programming and construction of the bridge.

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

City of Dublin

2017 - 2021 Capital Improvements Program

GR163 Tuller Flats Park

This project 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. The funding source for this project will be the Tuller TIF. Funding is currently not programmed in the five-year period. Funding for the project will be driven by development.

GR115 Dublin Community Pool North Renovation (DCPN)

Funding in 2019 and 2020 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. Funding in 2020 provides for a total re-construction of the swimming facility. DCPN is nearly 30 years old and over the last several years the condition of DCPN has continued to deteriorate. The main pool shell is losing its structural integrity; each year large sections of concrete are removed and patched to prevent leaks, tripping and safety hazards. Patching is a temporary solution and loose aggregate is often visible during the operating season. This renovation will provide opportunity to update the facility to meet current industry standards; such as zero depth entry. The main bathhouse, which includes the front desk and staff offices, is outdated and the configuration no longer meets the needs of the facility. Conceptual design for the improvements has yet to be determined and needs to be studied. Funding for this project will be through debt issuance.

GR171 Dublin Community Pool South Renovation (DCPS)

This project includes funding for repair of the pool shell expansion joints and tiles, removal and replacement of large play features in the leisure pool, reconfiguration of the front desk at the main entrance, and fall/winter enclosure for the lap pool.

2017 funding is programmed to repair the shell including the expansion joints and tiles as necessary. Shifts have caused large numbers of tiles to fall off which need annual replacement. Funding is also included to replace the facility's play feature to improve safety and visibility, and will allow for updated features that are more in-line with industry standards. A reconfiguration of the front desk area is planned for 2017 as well. The current front desk configuration is unwelcoming, closed off, and not patron friendly. Staff are not visible and available as patrons enter and exit the facility, prohibiting the staff from meeting expected customer service standards. 2020 includes funding for a fall/winter enclosure to the lap pool for accommodations of multiple programs (potentially the Dublin High School (DHS) swim teams) to free up pool space at the Dublin community Recreation Center.

City of Dublin

2017 - 2021 Capital Improvements Program

GR172 **John Shields Parkway Greenway**

This project provides for the construction of a highly visible greenway are from Riverside Drive to village Parkway. Construction funding assumes and is contingent on Phase 2 Tuller Flats TIF revenue. Currently, the project is reflected beyond the five year period.

8-Police

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	POLICE										
CAPITAL MAINTENANCE											
PP083	Replacement Lasers	42	20	0	10	10	0	0	20	0	20
PP084	Replacement Radars	63	0	0	10	10	0	0	20	0	20
PP131	Intersection & Crime Prevention Cameras	93	0	0	0	0	0	0	0	0	0
PP122	Ballistic Helmets	20	0	25	0	0	0	0	25	0	25
PP133	Replacement Ballistic Shields	15	0	25	0	0	0	0	25	0	25
PP162	Replacement Firearms	0	120	0	0	0	0	0	0	0	0
PP151	Replacement Automated External Defibrillators (AED)	2	20	20	0	0	0	0	20	0	20
PP168	Delaware Tactical Unit (DTU) Equipment	0	20	0	0	0	0	0	0	0	0
PP164	Mobile Radio Upgrades	0	125	0	0	0	0	0	0	0	0
PP171	Walkie Upgrades	0	0	0	150	150	150	0	450	0	450
PP172	Gas Mask Replacement	0	0	60	0	0	0	0	60	0	60
7/27/2016	**TOTAL**	**235**	**305**	**130**	**170**	**170**	**150**	**0**	**620**	**0**	**620**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
PP165	Communications Center Consoles	0	310	0	0	0	0	0	0	0	0
PP163	Interview Room Camera System	0	0	35	0	0	0	0	35	0	35
PP167	Body Camera Hardware	0	35	0	0	0	0	0	0	0	0
PP161	Next Gen 911 Upgrade	0	0	675	0	0	0	0	675	0	675
PP132	Automatic License Plate Readers	100	0	120	0	0	0	0	120	0	120
PP166	Replacement K9	0	0	15	0	0	0	0	15	0	15
7/27/2016	**TOTAL**	**100**	**345**	**845**	**0**	**0**	**0**	**0**	**845**	**0**	**845**
	TOTAL - POLICE	**335**	**650**	**975**	**170**	**170**	**150**	**0**	**1,465**	**0**	**1,465**

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

City of Dublin

2017 - 2021 Capital Improvements Program

POLICE
CAPITAL MAINTENANCE

PP083 Replacement Lasers

Funds are programmed in 2016, 2018 and 2019 to replace aging traffic lasers. Traffic lasers are used by patrol officers to assist them with their traffic enforcement duties. Based on their life expectancy and to maintain current technology of speed detection equipment, lasers are on a 10 year replacement cycle.

PP084 Replacement Radars

Funds are programmed in 2018 and 2019 to replace aging radars. Front line police vehicles are equipped with traffic radars to assist patrol officers with traffic enforcement duties. Radars are on a 10 year replacement cycle based on the life expectancy of the equipment, and in order to maintain current technology of speed detection equipment.

PP131 Intersection and Crime Prevention Cameras

This project, originally approved for funding in last year's five year plan is being restructured. Funding is not yet programmed in the next five year period for this project because the Police Department continues to be challenged by the installation of the first wave of cameras. Before additional funding is requested, more time is needed to continue installation of the equipment, and to determine how it handles during its first year.

This project provides for traffic cameras at high traffic, high incident locations and to add crime prevention cameras at City properties such as parks, parking areas, pools and other open spaces. These cameras 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 the cameras will be determined through discussions between Police, Engineering and IT and are based on crash counts/rates, traffic counts and crime statistics.

PP122 Ballistic Helmets

Funds are programmed in 2017 to replace existing officers' ballistic helmets. Currently, each sworn officer is issued a ballistic helmet. The helmets have a five year useful life.

City of Dublin

2017 - 2021 Capital Improvements Program

PP133 Replacement Ballistic Shields
Funds in 2017 are programmed for the replacement of three existing ballistic shields that have a five-year expiration, and purchase shields for two additional SUV's.

PP162 Replacement Firearms
Funds were programmed in 2016 for the replacement of firearms (hand guns) which have exceeded the ten year recommended life for on-duty use. Side arms for sworn officers were last replaced in 2006. Due to police officers working in adverse weather conditions and firing thousands of rounds over time, it is recommended that they be replaced with new firearms every ten years. As of July 2016, replacement is currently underway.

PP151 Replacement Automated External Defibrillators
Funds programmed in 2016 and 2017 provide for the replacement of current Automated External Defibrillators (AED) that were originally purchased in 1998. Current versions are no longer supported by the manufacturer and need to be replaced and updated with current technology.

PP168 DTU Equipment
Funding was programmed 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. The effectiveness of the Community Impact Unit (CIU) has increased the need for tactical teams and the City will benefit from being an active participant in the DTU.

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

PP171 Walkie Upgrades
Funding is programmed in 2018 through 2020 for an upgrade and replacement of portable radios (walkies) for the Police Department. The current portable radios carried by law enforcement staff were purchased in 2007, 2008 and 2009 and are coming to "end of life". The current models are no longer manufactured or sold by

Motorola and will go to "best possible" support starting in 2018. Funding will allow for the purchase of 85 new portable radios that will be capable of operating on multiple bands and systems. It is anticipated that some of the replaced radios will be kept as spares for parts and non-front line use. Others will be traded in for credit or sold to non-public safety agencies for use.

PP172 Gas Mask Replacement

Funding is programmed in 2017 for replacement gas masks for officers and crowd control unit. Avon C50 and Avon FM53 masks will be purchased. The Avon C50 and FM53 protective masks are based on the U.S. M50/JSGPM (Joint Services General Purpose Mask) and sharing key technologies, provides maximum operational flexibility to counter multiple threat scenarios, including chemical, biological, nuclear and radiological (CBRN) agents, Toxic Industrial Chemicals (TICs), and Toxic Industrial Materials (TIMs).

City of Dublin

2017 - 2021 Capital Improvements Program

POLICE
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

PP165 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 communication positions are fully equipped.

PP163 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.

PP167 Body Camera Hardware

Funding provided in 2016 was for a pilot program for body cameras, charging stations, and mounting hardware options for patrol officers. The funding provides a pilot program of approximately 12 to 14 cameras. Body-worn cameras have been recommended by the recent Governor's Task Force on Police/Community Relations. Eventually, body mounted cameras will be worn by all uniformed Department personnel.

Body cameras will provide officers with "point of view" video from face to face encounters with the public. This will help to ensure that an accurate account of all incidents includes video from the officer's perspective. These cameras have been found to be invaluable in providing an evidentiary record for prosecutions and that can be used to bolster accounts by officers involved in police incidents.

An amount for the storage hardware/software needed to maintain the recordings will be reflected in the operating budget.

City of Dublin

2017 - 2021 Capital Improvements Program

PP161 Next Gen 911 Upgrade

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 reach 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.

PP132 Automatic License Plate Readers (ALPR)

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. The funding proposed is to phase in the system and install the units on select cruisers as they are changed out. Staff will also be working to partner with other law enforcement agencies in the area to share the system and thus share the costs. Funds will allow for purchase of ALPRs for additional vehicles.

PP166 Replacement K9

Funding provided in 2017 is for one canine trained in either tracking explosives detection or drug detection. The Division of Police has utilized canines since 1991 with great success and plans to continue this with a replacement canine.

9-Sanitary Sewer

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	UTILITIES - SANITARY SEWER SYSTEM										
CAPITAL MAINTENANCE											
ES071	Sewer Lining and Repair	0	0	0	1,500	0	1,500	0	3,000	1,500	4,500
ES171	Annual Sanitary Sewer Maintenance Program	0	200	200	225	225	250	250	1,150	250	1,400
ES122	Manhole Rehabilitations	384	0	275	0	300	0	0	575	300	875
7/27/2016	**TOTAL**	**384**	**200**	**475**	**1,725**	**525**	**1,750**	**250**	**4,725**	**2,050**	**6,775**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
ES111	North Fork Sewer Capacity Improvements	0	55	10	360	0	0	0	370	0	370
ES164	Upper Scioto West Shaft Improvements, #12	0	65	0	0	0	0	0	0	0	0
ES172	Sewer Line Extensions - Areas 11A & 11B & 13	0	115	555	0	0	0	0	555	0	555
ES173	Sewer Line Extensions - Areas 4B & 4C	0	0	205	570	0	0	0	775	0	775
ES174	Sewer Line Extensions - Areas 4A, 8A, 10C & 10D	0	0	0	295	870	0	0	1,165	0	1,165
ES175	Sewer Line Extensions - Areas 3A, 3B, 3C & 15	0	0	0	0	610	2,315	0	2,925	0	2,925
ES176	Sewer Line Extensions - Areas 2A, 2B & 2C	0	0	0	0	0	435	1,560	1,995	0	1,995
ES177	Sewer Line Extensions - Areas 8B & 8C	0	0	0	0	0	0	260	260	650	910
ES179	Deer Run Sewer Upsizing, group #1	0	0	0	405	75	2,700	0	3,180	0	3,180
ES178	Deer Run Sewer Upsizing, group #2	0	0	0	0	210	50	1,385	1,645	0	1,645
ES17A	Deer Run Sewer Upsizing - Dumfries Court	0	0	95	480	0	0	0	575	0	575
7/27/2016	**TOTAL**	**0**	**235**	**865**	**2,110**	**1,765**	**5,500**	**3,205**	**13,445**	**650**	**14,095**
	TOTAL - SANITARY SEWERS	**384**	**435**	**1,340**	**3,835**	**2,290**	**7,250**	**3,455**	**18,170**	**2,700**	**20,870**

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

City of Dublin

2017 - 2021 Capital Improvements Program

UTILITIES - SANITARY SEWER SYSTEM
CAPITAL MAINTENANCE

ES071 Sewer Lining and Repair

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 protect the integrity of the pipe system and reduces the amount of inflow and infiltration (I and I) entering the system via the main lines.

Funding programmed in 2018 and 2020 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.

Funding shown in years beyond 2021 is provided to continue the work. Sanitary sewer mains are still under evaluation for lining beyond 2021. The project is funded from the Sewer Fund.

ES171 Annual Sanitary Sewer Maintenance

Provides an annual funding allocation to maintain and repair sanitary sewer infrastructure including raising manholes and various other issues identified during inspections.

ES122 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. Funding is programmed in years 2017, 2019, and beyond 2021.

City of Dublin

2017 - 2021 Capital Improvements Program

UTILITIES - SANITARY SEWER SYSTEM
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

ES111 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 2017 for site acquisition, and construction in 2018.

ES1604 Upper Scioto West Shaft Improvements, #12

This project provided 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.

Sanitary Sewer Line Extensions

These projects will provide funding to systematically provide access to areas of the City not currently on the public sanitary sewer system in accordance with the Public Water Utility and Sanitary Sewer Utility Extensions to Existing Developed Property Policy as adopted by City Council on December 7, 2015. These projects will provide lift stations, force mains, and 8" & 10" public sanitary sewer utility extensions. These projects are funded from the Sewer Fund; however, an annual allocation from the General Fund will provide for partial funding.

ES172 Sanitary Sewer Line Extensions – Areas 11A & 11B & 13

Area 11A & 11B will be constructed in 2017. Area 13 is a proposed 8" sewer extension on Quinn Abbey Court west that will be constructed with the Avery Road and Brand Road roundabout project. Fifty three (53) parcels will receive access to sanitary sewer with this project.

Locations: Area 11A & 11B - Lancashire Subdivision & Dublin Estates Subdivision - 8-inch sanitary sewer extension on Bellaire Drive, Limerick Lane, Bellaire Court, and along Dublin Road various parcels. Area 13 - Muirfield Village Section 44, Part 3 - 8" Sewer Extensions on Quinn Abbey Court west.

ES173 Sewer Line Extensions – Areas 4B & 4C

Area 4B-Bright Road parcels will be constructed in 2018. It is a proposed 8" sewer extension and Area 4C - Grandee Cliffs is a proposed 8" sewer extension. Thirty-two (32) parcels will receive access to sanitary sewer service with this project.

City of Dublin

2017 - 2021 Capital Improvements Program

Areas 4B & 4C have moved up in priority since Franklin County Public Health has issued more violation letters for Area 4C (Grandee Cliffs).

Locations: Area 4B - 4396 - 4760 Bright Road (5 parcels); Area 4C - Grandee Cliffs Subdivision (19 parcels) and 4163 - 4355 Bright Road (7 parcels).

ES174 Sewer Line Extensions – Areas 4A, 8A, 10C & 10D

Area 4A, 8A, 10C & 10D – Force main, lift stations and a proposed 8" sewer extension on Avery Road/Rings Road/ Cara Road/ Cara Ct. will be constructed in 2019 with the Tuttle Crossing Blvd. and Avery Road projects. Sixty-six (66) parcels will receive access to sanitary sewer service with this project.

Locations: Area 4A - River Knolls Subdivision (11 parcels) and 7049 to 7575 Riverside Drive (8 parcels); Area 10C - 5300 to 5474 Dublin Road (12 parcels); Area 10D - 5480 to 5680 Dublin Road (10 parcels). Area 8A - Avery Road/ Rings Road/ Cara Road/ Cara Court (25 parcels).

ES175 Sewer Line Extensions – Areas 3A, 3B, 3C & 15

Area 3A, 3B, 3C & 15 – Force main, lift station and 8″ and 10″ sewer extensions that will be constructed in 2020. Eighty-three (83) parcels will receive access to sanitary sewer service with this project.

Locations: Area 3A - 7591 - 7871 Riverside Drive (16 parcels), 7690 - 7778 Riverside Drive (7 parcels); Area 3B - 7879 - 8015 Riverside Drive (13 parcels), 7960 - 8000 Riverside Drive (3 parcels), 4545 & 4575 Summit View Road; Area 3C - Woodlands 1 & 2, Drexel Hills Terrace (40 parcels); Area 15 - 7400 -7422 Avery Road (2 parcels).

ES176 Sewer Line Extensions – Areas 2A, 2B & 2C

Area 2A, 2B & 2C - Force main, lift station and 8″ and 10″ sewer extensions will be constructed in 2021. One hundred and fifty-seven (157) parcels will receive sanitary sewer service. O'Shaughnessy Hills lot configuration does not represent typical lot service.

Locations: Area 2A - 4315 - 4501 Summit View Road (9 parcels) and 4555 Summit View Road, O'Shaughnessy Hills (17 parcels) and 4424 - 4500 Summit View Road (5 parcels) and Blank Lot; Area 2B - Laura Hills - 8159 - 8449 Riverside Drive (16 parcels); Area 2C – O'Shaughnessy Hills (108 parcels).

City of Dublin

2017 - 2021 Capital Improvements Program

ES177 **Sewer Line Extensions – Areas 8B & 8C**
Construction for Area 8B & 8C is shown in years beyond 2021.

Locations: Area 8B - 8" sanitary sewer extension at rear property lines of Wilcox Road properties - North and South of Rings Road, Area 8C - 8" sanitary sewer extension in Old Wilcox Rd. from North of Tuttle Crossing Blvd. to Wilcox Road.

ES179 **Deer Run Sanitary Sewer Upsizing, Group #1**
As identified in the Deer Run Sewer Modeling Report, this project provides funding for the installation of a new pump station near MH#3902, west of Dublin Road between Reserve Drive and Glenaire Drive, and installation of a new 12" force main from MH#3902 along Dublin Road to MH#2772, near the 7118 Dublin Road property. There were previous sanitary sewer overflow (SSO) events that prompted the modeling efforts of the Deer Run Sewer shed leading to this proposed improvement. The June 20th, 2016 rainfall event which created SSO and water-in-basement (WIB) events further necessitates the need to perform this improvement in the Deer Run sewer shed. Design is programmed in 2018, site acquisition in 2019 and construction in 2020.

ES178 **Deer Run Sanitary Sewer Upsizing, Group #2**
This project provides funding for the proposed upsize of sanitary sewer pipe from 12" to 15" at Muirfield Court into Muirfield Village Golf Course, and another upsize of sanitary sewer pipe from 15" to 18" along the rear properties between Dunblane Court and Crail Court as identified in the Deer Run Sewer Modeling Report. Design is programmed in 2019, site acquisition in 2020, and construction in 2021.

ES17A **Deer Run Sanitary Sewer Upsizing – Dumfries Court**
This project provides funding for Installation of 420-ft. of 10-inch sanitary sewer and a separate pump station and force main in Dumfries Court east (Carnoustie Drive area). This project was identified in the Deer Run Sewer Modeling Report. There were previous water-in-basement (WIB) events of the Deer Run Sewer shed leading to this proposed improvement. Design is programmed in 2017 and construction in 2018.

10-Stormwater

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	UTILITIES - STORMWATER MANAGEMENT										
CAPITAL MAINTENANCE											
AF171	Annual Stormwater Maintenance	0	560	560	575	575	585	585	2,880	585	3,465
AF172	Ditch Maintenance	0	0	100	0	100	0	100	300	100	400
7/31/2016	**TOTAL**	**0**	**560**	**660**	**575**	**675**	**585**	**685**	**3,180**	**685**	**3,865**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
EF021	Limerick Lane Stormwater Improvements	2,400	495	505	0	0	0	0	505	0	505
EF171	Hirth Woolpert Creek Culvert Improvements	0	0	0	0	35	245	0	280	0	280
EF172	May Apple, Tamarisk Creek & Hawk's Nest Stormwater Impr.	0	0	0	0	85	485	0	570	0	570
EF173	Glencree Place Stormwater Improvements	0	0	0	0	0	0	65	65	310	375
7/31/2016	**TOTAL**	**2,400**	**495**	**505**	**0**	**120**	**730**	**65**	**1,420**	**310**	**1,730**
	TOTAL - STORMWATER	**2,400**	**1,055**	**1,165**	**575**	**795**	**1,315**	**750**	**4,600**	**995**	**5,595**

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

City of Dublin

2017 - 2021 Capital Improvements Program

UTILITIES - STORMWATER MANAGEMENT
CAPITAL MAINTENANCE

AF171 Annual Stormwater Maintenance

This project provides for annual funding of maintenance for the City's stormwater system as identified in the Stormwater Master Plan. This program was initiated in 2000 to maintain the stormwater management system, to convey stormwater, and prevent flooding. The funds are utilized to maintain and repair existing storm sewer lines, curb inlets, catch basins, 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 2017 allocation will be used to fund two projects: Inlet maintenance ($260,000 for a group of inlets) and miscellaneous maintenance ($300,000 on a task order basis). Beginning in year 2018 and beyond, funds are programmed to continue the number of curb inlets for repair in the storm structure maintenance program.

AF172 Ditch Maintenance

This is a ditch maintenance program that will be initiated in 2017. This project provides funding for maintenance of the City's roadside ditches and waterway systems. The funds will be utilized to maintain and repair existing ditches, man-made channels, and waterways that convey stormwater runoff. This is another important component of the City's efforts to meet National Pollutant Discharge Elimination System (NPDES) Phase II regulations.

City of Dublin

2017 - 2021 Capital Improvements Program

UTILITIES - STORMWATER MANAGEMENT
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

Stormwater Improvements

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 funds are utilized to maintain and repair existing storm sewers, 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.

These 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 completed as funding allows.

Design and construction are planned in separate years in most cases so the appropriate interaction can occur with the neighborhoods effected by the improvements. Easements will be needed for several of the projects as well.

The following projects have been programmed:

EF021 Limerick Lane Improvements

2017	Limerick Lane Improvements (Align with 2017 Sewer Extensions – 11A & 11B)	Install new 12" to 24" pipe under Dublin Road, along Limerick Lane and under Bellaire Avenue	Design $50,000 (2017)	Construction $455,000 (2017)	Total Cost $505,000 (2017)

EF171 Hirth Woolpert Creek Culvert Improvements

2019/2020	Hirth Wolpert Creek Watershed Improvements	New 4x10 box culverts at Chatterfield Drive south of Bradenton Avenue	Design $35,000 (2019)	Construction $245,000 (2020)	Total Cost $280,000 (2019/2020)

City of Dublin

2017 - 2021 Capital Improvements Program

EF172 May Apple and Tamarisk Creek, and Hawk's Nest Improvements

2019/2020	May Apple and Tamarisk Creek Improvements	Replace 15" & 18" with 18", 21" & 24" near Red Bay Ct., Tonti Drive, & Tamarisk Court	Design $55,000 (2019)	Construction $385,000 (2020)	Total Cost $440,000 (2019/2020)
2019/2020	Hawk's Nest Improvements (Align with 2020 Sanitary Sewer Extensions)	Install new 12" pipe to drain 7422 Avery Road	Design $20,000 (2019); Site Acquisition $10,000 (Estimate)	Construction $100,000 (2020)	Total Cost $130,000 (2019/2020)

EF173 Glencree Place Improvements

2021/ Beyond 2021	Glencree Place Improvements	Install 450 L.F. of 12" pipe & Structures	Design $45,000 (2021); Site Acquisition $20,000 (Estimate)	Construction $310,000 (beyond 2021)	Total Cost $375,000 (2021/ Beyond 2021)

11-Technology

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	TECHNOLOGY										
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
AI171	Information Technology	0	1,000	1,090	1,080	925	915	1,020	5,030	0	5,030
	Fiber										
AB082	Dublink Extensions	0	120	120	120	120	120	120	600	0	600
AB142	Dublink/Ignite (100gb Transport)	0	375	250	125	125	125	125	750	0	750
AI172	Connected Vehicles Systems	0	0	50	50	50	50	50	250	0	250
7/29/2016	**TOTAL**	**0**	**1,495**	**1,510**	**1,375**	**1,220**	**1,210**	**1,315**	6,630	**0**	**6,630**

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

City of Dublin

2017 - 2021 Capital Improvements Program

INFORMATION TECHNOLOGY
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

AI171 Information Technology

Technology projects include migrations to enterprise software systems, enhancements to existing systems, system upgrades, hardware replacement, new system deployments, and critical updates.

Technology projects support maintenance and enhancement needs, account for expansion of resources and emerging technologies, and the drive for efficiency and effectiveness of our workforce. New solutions are aligned with departmental goals and those of City Council. The ability to maintain, grow and transform the City's technology environment is crucial to meeting the needs and expectations of the City's community and staff.

The annual requests reflect the Five-Year Technology Strategic Plan that has been developed by the Department of Information Technology. Detailed project listings are included in this section. The funding source for most of the projects is the Capital Improvements Tax Fund, however, the Sewer Fund and the Hotel/Motel Tax Fund will be the funding source for projects related to those funds.

City of Dublin

2017 - 2021 Capital Improvements Program

Fiber Projects:

AB082 Technology Improvements–Dublink Extensions

$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.

AB142 Dublink/Ignite (100gb Transport)

This project adds fiber onto the existing backbone in the immediate area of Metro Center and extend laterals into Metro Center buildings.

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.

AI172 Connected Vehicles Systems

The City of Dublin will deploy technologies to implement connected vehicles systems inside the City consistent with Smart Cities Mobility research being conducted by Battelle and the OSU Center for Automotive Research. The annual funding is provided to place devices inside fleet vehicles and to implement systems within traffic engineering infrastructure, such as cameras, sensors, fiber, and wireless networks allowing vehicles to communicate with each other and with traffic systems. These funds count towards matching requirements allowing the majority of project funds to be provided by a Federal grant for Connected Vehicles research.

Information Technology 5 Year Budget Plan

2017 - 2021 (Project #AI171)

CITY OF DUBLIN.

Dept / Div	2017	
Citywide	Cityworks Work Order/Service Request Enhancements	$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/Vehicle	$45,000
	Server upgrades to virtual and storage upgrades	$35,000
	Virtual Desktops/mobiles/voice	$25,000
	Security cameras	$5,000
	Cyber Security Enhancements	$10,000
	Open Data Systems	$15,000
	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 Supplies	$20,000
	Monitors, cabling, additional phone equipment	$15,000
	Mobile Devices to enable workforce mobility	$50,000
	Mobile Device Replacements	$25,000
	Conference Room Equipment	$10,000
	Misc. hardware/software	$25,000
OCM		
Court Services	Records Mgmt enhancement	$10,000
Community Rel	Enhance Internet/Intranet/CR	$15,000
Human Res	HR management system enhancements	$10,000
	Training Technology	$10,000
Bldg Stds	Eplan Utilization/Enhancements/ Plan review Monitors	$5,000
	Community Development System	$160,000
	Permitting/Inspection/Review system	$20,000
	Front Lobby Expansion Hardware/Cabling	$5,000
Economic Dev		
Planning	Eplan Utilization/Enhancements	$20,000
	Customer Service/Web Services Enhancements	$10,000
Finance	Enhancements To Tax Application	$10,000
	Enhancements to Finance ERP system	$20,000
IT	Middleware Data Warehouse Cloud System	$30,000
	Dublink/100gb Transport Network	$250,000
	Technology Improvements - Dublink Extensions	$120,000
	Connected Vehicles Systems	$50,000
Police	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
	Enhancements and Interfaces for SunGard	$65,000
S&U *(Sewer Fund)*		
Facilities	Security camera enhancements	$10,000
	Renovation Hardware/Connectivity Needs	$10,000
Fleet	Fleet/Fuel system enhancements	$10,000
	Enhanced mobile device / GPS utilization	$10,000
Public Works	Public Works Project Management Phase II	$140,000
Engineering	Signal Timing Database Enhancements	$15,000
	CAD / ArcView upgrade/enhancement	$10,000
	Eplan Utilization Enhancments	$15,000
Events *(Hot'l/Mot'l Tax Fund)*	Plotter Replacement	$25,000
	Events Technology Enhancements	$10,000
Volunteer Services		
Parks		
Recreation	Customer Service enhancements	$15,000
	Outdoor Pools/Camps Technology Enhancements	$10,000
	Outdoor pools technology enhancement	$15,000
Total		$1,872,500
Budget Adjustment		($782,500)
Budget Amount		**$1,090,000**

Information Technology 5 Year Budget Plan

2017 - 2021 (Project #AI171)

CITY OF DUBLIN.

Dept / Div	2018		2019	
Citywide	Cityworks/Service Request Enhancements	$7,500	Cityworks/Service Request Enhancements	$25,000
	Document Management	$10,000	Document Management	$10,000
	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/Vehicles	$45,000	Network connection-water towers/traffic signals/Vehicles	$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		
	Open Data Systems	$10,000	Open Data Systems	$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 Supplies	$20,000	Printers Supplies	$20,000
	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 ($6,000)	(Court Fund)	Records Mgmt enhancement	$8,000
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	$10,000
	HR Mgt System Enhancements	$15,000	Training Technology	$10,000
Bldg Stds	Eplan Utilization/Enhancements/ Plan review Monitors	$5,000	Rev Serv/BldgStds counter enhancements	$25,000
	Community Development System Enhancements	$25,000		
	Web application enhancements	$20,000	Electronic Plan Review enhancements	$25,000
Economic Dev				
Planning	Planning Review/Code Enf enhancement	$25,000	Customer Web Services Enhancments	$20,000
	Eplan Utilization/Enhancements	$10,000		
Finance	Contract Mgt Solution Enhancements	$10,000		
	Enhancements to Income Tax systems	$15,000	Enhancements to Financial applications	$7,500
			Enhancements to time&attendance	$7,500
			Enhancements to Payroll application	$7,500
IT	Enhancements to Middleware System	$10,000		
	Dublink/100gb Transport	$125,000	Dublink/100gb Transport	$125,000
	Technology Improvements - Dublink Extensions	$120,000	Technology Improvements - Dublink Extensions	$120,000
	Connected Vehicles Systems	$50,000	Connected Vehicles Systems	$50,000
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 *(Sewer Fund)*	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	$20,000	Data Analytics/Business Intelligence	$10,000
Engineering			Plotter	$25,000
	Engineering applications/enhancements	$25,000		
	Traffic Signal Communication	$15,000		
			CAD / ArcView upgrade/enhancement	$10,000
Events *(Hot'l/Mot'l Tax Fund)*	Events technology enhancements	$5,000	Events technology enhancements	$10,000
Volunteer Services				
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
Total		$1,377,000		$1,220,500
Budget Adjustment		($297,000)		($296,000)
Budget Amount		**$1,080,000**		**$925,000**

Information Technology 5 Year Budget Plan

2017 - 2021 (Project #AI171)

CITY OF DUBLIN

Dept / Div	2020		2021	
Citywide	Enhance Document Imaging	$10,000	Cityworks/Service Request Enhancements	$7,500
	Document Management	$10,000	Document Management	$10,000
			Collaboration Technology	$25,000
	Adobe Acrobat Licenses	$10,000	Adobe Acrobat 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/Vehicles	$45,000	Network connection-water towers/traffic signals/Vehicles	$45,000
	Server Hardware upgrades	$35,000	Server Hardware upgrades	$35,000
	Virtual, Voice, Mobile Applications	$25,000	Virtual, Voice, Mobile Applications	$25,000
	Security cameras	$15,000	Security cameras	$15,000
	Camera Recording Solution enhancements		Cyber Security Enhancements	$10,000
	Open Data Systems	$10,000	Open Data Systems	$10,000
	Network Storage Upgrades	$50,000	Network Storage Upgrades	$50,000
	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 Supplies	$20,000	Printers Supplies	$20,000
	Monitors, cabling, additional phone equipment	$30,000	Monitors, cabling, additional phone equipment	$30,000
	Mobile Devices to enable workforce mobility	$50,000	Mobile Devices to enable workforce mobility	$50,000
			Mobile Device Replacements	$30,000
	Conference Room Equipment	$5,000	Conference Room Equipment	$5,000
	Misc. Hardware/software	$10,000	Misc. Hardware/software	$10,000
OCM				
Court Services	Court Technology Enhancements	$5,000	Court Technology Enhancements	$2,500
Community Rel	Enhance Internet/Intranet/Community Rel	$10,000	Enhance Internet/Intranet/Community Rel	$10,000
Human Res	Training Area Hardware	$10,000	Training Area Enhancements	$10,000
Bldg Stds	Eplan Enhancements	$10,000		
			Community Development System Enhancements	$30,000
	Customer Service Web Enhancements (GovNow)	$10,000		
Economic Dev				
Planning	Eplan Utilization/Enhancements	$15,000	Customer Web Services Enhancments	$20,000
	Customer Service/ Web Services Enhancements	$10,000	Customer Service/ Web Services Enhancements	$10,000
			Eplan Utilization/Enhancements	$10,000
Finance				
			Enhancements to Income Tax systems	$15,000
IT	Middleware Expansion	$20,000	Enhancements to Middleware System	$25,000
	Dublink/100gb Transport	$125,000	Dublink/100gb Transport	$125,000
	Technology Improvements - Dublink Extensions	$120,000	Technology Improvements - Dublink Extensions	$120,000
	Connected Vehicles Systems	$50,000	Connected Vehicles Systems	$50,000
Police	Police Records/Dispatch enhancements	$20,000	Police Records/Dispatch/Mobile enhancements	$25,000
	Mobile computers upgrade (10)	$50,000	Mobile computers upgrade (10)	$50,000
	Cruiser mounts/console equipment	$20,000	High Resolution displays for cruisers(10)	$20,000
	Regional Dispatching Records Interfacing	$40,000	Cruiser mounts/console equipment	$15,000
	Printers and Bar Code readers in cars	$30,000	Communication center upgrades	$30,000
S&U *(Sewer Fund)*	Enhance sewer inspection software	$10,000		
Facilities			Security camera enhancements	$7,000
			Renovation Hardware/Connectivity Needs	$10,000
Fleet	Fleet Management (Faster) Software upgrade		Fleet/Fuel system enhancements	$20,000
Public Works	Data Analytics/Business Intelligence Additional Licenses	$10,000	Data Analytics/Business Intelligence	$10,000
Engineering			Signal Timing Database Enhancements	$10,000
			CAD / ArcView upgrade/enhancement	
			Eplan Utilization Enhancments	$10,000
	Eplan Utilization/Enhancements	$15,000		
Events *(Hot'l/Mot'l Tax Fund)*			Events technology enhancements	$5,000
Volunteer Services				
Parks	Cemetery system enhancements	$10,000		
Recreation	Customer Service Enhancements	$15,000	Customer Service Enhancements	$20,000
	RecTrac Addl Licenses	$7,500	Outdoor Pools/Camps Technology Enhancements	$10,000
	Outdoor pools technology enhancement	$10,000	Credit Card Scanners	$10,000
Total		$1,197,500		$1,317,000
Budget Adjustment		($249,500)		($297,000)
Budget Amount		**$915,000**		**$1,020,000**

12-Transportation – Bicycles & Pedestrian

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	TRANSPORTATION - BICYCLES AND PEDESTRIAN										
CAPITAL MAINTENANCE											
AT173	Annual Shared Use Path Maintenance	0	840	310	410	335	365	245	1,665	0	1,665
AT176	Annual Sidewalk Program	0	50	50	50	50	50	50	250	0	250
AT179	Historic Dublin Brick Sidewalk Maintenance	0	0	0	0	390	220	110	720	0	720
X/XX/16	**TOTAL**	**0**	**890**	**360**	**460**	**775**	**635**	**405**	**2,635**	**0**	**2,635**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
ET171 (split)	Glick Road (section 3) SUP	0	100	235	0	0	0	0	235	0	235
ET16L	Perimeter Drive: Avery-Muirfield to Holt Road (TIF) Sidewalk	0	100	0	0	0	0	0	0	735	735
ET16G	Rings Road: Frantz Road to Dublin Road (TIF) SUP	0	100	460	0	0	0	0	460	0	460
ET16M	Shier Rings Road: Eiterman to Cosgray SUP	0	0	0	0	0	0	0	0	360	360
ET16J	Concord Road SUP	0	0	170	0	0	0	0	170	0	170
ET16H	Riverside Drive East SUP	0	75	0	0	0	0	0	0	0	0
ET172	Riverside Drive East Shared-Use Path, section 1	0	0	0	0	110	0	1,045	1,155	855	2,010
ET173	Riverside Drive East Shared-Use Path, section 2	0	0	0	0	0	85	0	85	625	710
ET174	Riverside Drive East Shared-Use Path, section 3	0	0	0	0	0	0	100	100	825	925
ET175	Dublin Center Drive Shared-Use Path	0	0	0	0	0	0	0	0	130	130
ET179	Summit View Road shared-Use Path	0	45	175	0	0	0	0	175	0	175
ET176	Avery Road Sidewalk Connections	0	0	0	0	65	335	0	400	0	400
ET177	Wedgewood Hills Park Shared-Use Path	0	0	50	185	0	0	0	235	0	235
ET178	Wilcox Road Shared-Use Path	0	0	0	0	35	160	0	195	0	195
X/XX/16	**TOTAL**	**0**	**420**	**1,090**	**185**	**210**	**580**	**1,145**	**3,210**	**3,530**	**6,740**
	TOTAL - BICYCLES AND PEDESTRIAN	**0**	**1,310**	**1,450**	**645**	**985**	**1,215**	**1,550**	**5,845**	**3,530**	**9,375**

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

City of Dublin

2017 - 2021 Capital Improvements Program

TRANSPORTATION – BICYCLES AND PEDESTRIAN CAPITAL MAINTENANCE

AT173 Annual Shared-Use Path Maintenance

Funding for this project includes an annual allocation for crack sealing and sealcoating of the City's shared-use paths along with funding to replace or overlay portions of the shared-use paths. Preventive maintenance activities will extend the life of the path system.

There are currently almost 132 miles of bike facilities within the Dublin corporation limits not including the private Muirfield Association path system. The system is comprised of shared-use paths, bike lanes, pedestrian connectors, pedestrian trails, sharrows, and street crossings. Shared-use paths compromise 81% of the system. In order to create a comprehensive maintenance plan for the bikepath system, the entire system was inventoried and inspected and a condition score was calculated for each path segment. In addition to generating the condition score, the inspection also produced recommended repair types. The current overall average condition of the shared-use paths is 79.9/100 with a goal of an average 80 rating citywide. In addition, there is a goal of a minimum rating of 50 for any path. Currently 1.60 miles of shared-use path have a rating below 50.

Shared Use Path Year and Work Type	Const Estimate	Ave Condition Rating	Total Length (ft)
2017	**$308,000**	**72**	**80,718**
PM - Crackseal	$8,000	75	7,893
PM - Crackseal and Sealcoat	$72,000	69	28,479
PM - Sealcoat	$61,000	78	39,308
Resurface	$167,000	45	5,037
2018	**$409,000**	**76**	**68,272**
PM - Crackseal and Sealcoat	$44,000	70	16,770
PM - Sealcoat	$69,000	82	42,856
Resurface	$296,000	47	8,647
2019	**$337,000**	**79**	**84,977**
PM - Crackseal and Sealcoat	$31,000	72	11,477
PM - Sealcoat	$112,000	82	68,010
Resurface	$194,000	45	5,490
2020	**$363,000**	**81**	**110,450**
PM - Crackseal	$7,000	80	6,024
PM - Crackseal and Sealcoat	$39,000	73	13,955
PM - Sealcoat	$143,000	83	83,909
Resurface	$175,000	50	6,562
2021	**$247,000**	**73**	**36,905**
PM - Sealcoat	$42,000	73	29,218
Resurface	$205,000	65	7,687
Grand Total	**$1,665,000**	**77**	**381,322**

City of Dublin

2017 - 2021 Capital Improvements Program

AT176 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. Legally, the repair and maintenance of the sidewalks are the responsibility of the property owner(s). 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. 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. The repairs offered as a part of the 2016 program were in the form of sidewalk shaving. The purpose of sidewalk shaving is to remove trip hazard obstructions on the sidewalk by cutting the sidewalk edge at a proper slope. The process is quick, cost effective, and leaves a clean, smooth surface in place of the trip hazard. An annual allocation is programmed for the continuation of a sidewalk shaving program.

AT179 Historic Dublin Brick Sidewalk Maintenance

This project provides funding in 2019, 2020 and 2021 to perform a high pressure power wash, reset low spots, replaced chipped/broken bricks, clean away vegetation along the edges, re-sand the joints of the existing brick sidewalks and expand brickwork from existing walk to curb line where practical throughout the District. The areas of focus will be south and north High Street, Bridge Street, Mill Lane, "Frog" Plaza, behind Old Dublin Town Center 1 (ODTC 1), Darby Street and the walkway between north High Street and Darby on the north side of Tucci's Restaurant. Similar work was done on the brick walkway between the new shared-use path on Dublin Road between the end of the asphalt path and Waterford Drive and has greatly improved the look of the sidewalk.

There is approximately 36,000 square feet of brick sidewalk in the District. Since some is fairly new, staff is recommending phasing this work over several years. The first year (2019) is for North/South High Street (19,760 sf); year 2 (2020) includes the Frog Plaza, behind ODTC 1 and Bridge Street (11,135 sf); and year 3 (2021) includes the Darby Street area and Mill Lane (4,875 sf). 10% has been added to the estimates to cover updating minor portions of concrete sidewalk and ADA ramps/mats.

City of Dublin

2017 - 2021 Capital Improvements Program

TRANSPORTATION – BICYCLES AND PEDESTRIAN CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

ET171 Glick Road Shared-Use Path, section 3

This project provides for the construction of 2,200 feet of shared-use path on the south side of Glick Road between Carnoustie Drive and Muirkirk Drive. The project includes a prefabricated bridge over Deer Run. Design and site acquisition is programmed in 2016, and construction is programmed in 2017. The construction schedule depends on the resolution of one outstanding land acquisition matter.

ET16L Perimeter Drive: Avery-Muirfield to Holt Road Sidewalk

This project constructs 2,500 feet of 5 foot sidewalk along the north side of Perimeter Drive. This connection will provide safe pedestrian access along the north side of Perimeter Drive. An 8 foot asphalt path alignment was reviewed, but it was determined that it would require removal of too many mature trees. Additionally, an 8 foot asphalt path already exists on the south side of Perimeter Drive. Temporary easement acquisition is planned for the second half of 2016. Funds are not programmed within the five years for construction, private utility relocation and tree installation.

ET16G Rings Road Shared-Use Path

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 was programmed in 2016, 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.

ET16M Shier Rings Road Shard-Use Path

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. Construction is reflected beyond the five year period at the current time.

ET16J Concord Road Shared-Use Path

This project constructs a shared-use path connection from Glick Road north to Eli Pinney Elementary School. In total, approximately 1,900 feet of the path will be constructed. This connection to school has been requested by residents in the area. Staff is discussing the path alignment and funding participation with Delaware County and Concord Township, as only 600 feet of the path is in Dublin. Currently, site acquisition, utility work, and construction is programmed 2017.

City of Dublin

2017 - 2021 Capital Improvements Program

ET16H Riverside Drive East Shared-Use Path

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. Preliminary design is programmed in 2016 with construction reflected in three phases (see ET172, ET173, and ET174).

ET172 Riverside Drive East Shared-Use Path, section 1

This project provides for the construction of 3,000 feet of 8-foot asphalt shared use path on the east side of Riverside Drive between Emerald Parkway and the existing path at the southern edge of Riverside Woods. Design for this section of the project is programmed in 2019 while site acquisition and construction is programmed in 2021.

ET173 Riverside Drive East Shared-Use Path, section 2

This project provides for the construction of 1,400 feet of 8-foot asphalt shared use path on the east side of Riverside Drive between Tonti Drive and the existing path at the southern edge of Wyandotte Woods. Design for this section of the project is programmed in 2020. Site acquisition and construction are reflected beyond the five year period, and are not programmed at the current time.

ET174 Riverside Drive East Shared-Use Path, section 3

This project provides for the construction of 3,525 feet of 8-foot asphalt shared use path on the east side of Riverside Drive between Arrowhead Drive and the northern corporation limit (2,575 feet) and tie into the path in Wedgewood Hills Park (750 feet). Design for this section of the project is programmed in 2021. Site acquisition and construction are reflected beyond the five year period, and are not programmed at the current time.

ET175 Dublin Center Drive Shared-Use Path

This project provides for the construction of 618 feet of 8-foot asphalt shared use path on Dublin Center Drive between Stoneridge Land and West Dublin-Granville Road. This project provides additional connectivity in the shared-use path system in the Bridge Street District. Construction is reflected beyond the five year period at the current time.

ET179 Summit View Road Shared-Use Path

This project provides for the construction of 1,075 feet of 8-foot asphalt shared use path on the north side of Summit View Road between Wedgewood Hills Park and Campden Lake Boulevard. This project provides additional connectivity in the shared-use path system. Design is planned for 2016, site acquisition and construction for 2017.

City of Dublin

2017 - 2021 Capital Improvements Program

ET176 Avery Road Sidewalk Connections

This project includes construction of pedestrian route connections along Avery Road. This project has been requested by the residents in the area to facilitate connectivity of the sidewalk system. Addition of missing sidewalk connections along the east side of Avery Road: 1) Hyland Drive to Tara Hill (~340 LF, 2) Tara Hill to Manteo Drive (~630 LF, 3) St Mel Court to Avery Road Park south lot area (500 LF). Project programming estimates includes a 10% contingency and allocation for utility relocation for possible pole conflicts with alignment. Funding is also included for the possibility of additional street lights needed at intersections. Design and utility relocation is programmed in 2019 with construction programmed in 2020.

ET177 Wedgewood Hills Park Shared-Use Path

This project provides for the construction of 1,235 feet of 8-foot asphalt shared use path in the Wedgewood Hills Park, on the north side of Summit View Road. This project provides additional connectivity in the shared-use path system. Design is programmed in 2017, with construction funded in 2018.

ET178 Wilcox Road Shared-Use Path

This project provides for the construction of 1,070 feet of 8-foot asphalt shared use path on Wilcox Road between Northcliff and Heather Glen Blvd. A crossing will be built at Lothian. Design is programmed in 2019, with construction funded in 2020.

13-Transportation – Bridges & Culverts

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	TRANSPORTATION - BRIDGES AND CULVERTS										
CAPITAL MAINTENANCE											
AT17C	Annual Bridge Maintenance	0	180	405	720	835	895	545	3,400	0	3,400
ET162	Emerald Parkway (Scioto) Deck Overlay	0	0	100	2,500	0	0	0	2,600	0	2,600
AT178	Annual Pedestrian Tunnel Maintenance	0	170	225	225	225	225	225	1,125	0	1,125
AT17B	Annual Concrete Sealing Maintenance	0	0	35	35	35	35	35	175	35	210
AT17D	Annual Culvert Maintenance	0	0	100	100	100	100	100	500	100	600
ET17E	Riverside Drive Culvert Replacement	0	0	100	0	0	0	0	100	0	100
7/29/2016	**TOTAL**	**0**	**350**	**965**	**3,580**	**1,195**	**1,255**	**905**	**7,900**	**135**	**8,035**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
GR132	Scioto River Pedestrian Bridge	557	2,628	22,750	0	0	0	0	22,750	0	22,750
ET16B	John Shields Parkway Bridge	90	150	0	0	0	0	0	0	35,050	35,050
7/29/2016	**TOTAL**	**647**	**2,778**	**22,750**	**0**	**0**	**0**	**0**	**22,750**	**35,050**	**57,800**
	TOTAL - BRIDGES AND CULVERTS	**647**	**3,128**	**23,715**	**3,580**	**1,195**	**1,255**	**905**	**30,650**	**35,185**	**65,835**

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

City of Dublin

2017 - 2021 Capital Improvements Program

TRANSPORTATION – BRIDGES AND CULVERTS
CAPITAL MAINTENANCE

AT17C Annual Bridge Maintenance

By definition of the Ohio Revised Code, there are currently 87 vehicular bridges within Dublin corporation limits. Of those, Dublin is fully responsible for the maintenance and inspection of 54 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.

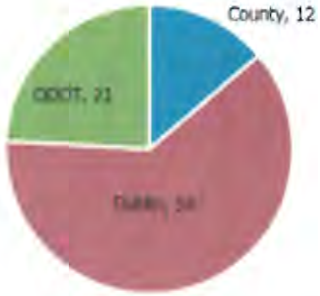
Of the 54 Dublin maintained bridges, 47 are rated "good" or better, 3 are "satisfactory," and 4 are considered "fair" based on the most recent inspection data. Staff performed a comprehensive analysis and developed a five year work plan based on the inspection findings. The focus of the work plan is to address and prioritize structural problems while also focusing on the driving surface and aesthetics of the bridges. Typical maintenance work tasks included in this project are deck overlay, railing repair or replacement, replace superstructure, sealing, deck patching, and joint replacement. Bridges are an expensive asset to replace and preventive maintenance is key to extending the life of the city's 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.

All Bridges	2015	Goal
Average Overall Bridge Condition (GA)	7.5	7
Average Wearing Surface Condition	1.1	2
Average Deck Condition (Floor)	1.2	2
Average Paint Condition (PCS)	1.4	2

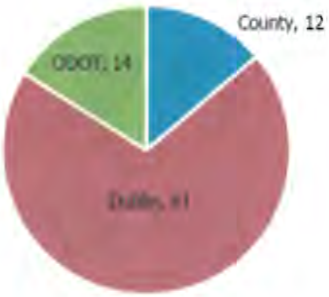
Dublin Maintained Bridges	2015	Goal
Average Overall Bridge Condition (GA)	7.6	7
Average Wearing Surface Condition	1.2	2
Average Deck Condition (Floor)	1.2	2
Average Paint Condition (PCS)	2.5	2

Total Number of Bridges in Dublin	87
Total Deck Area Inspected (sf)	138,876
Total Deck Area Maintained (sf)	227,044

Inspection Responsibility



Routine Maintenance Responsibility

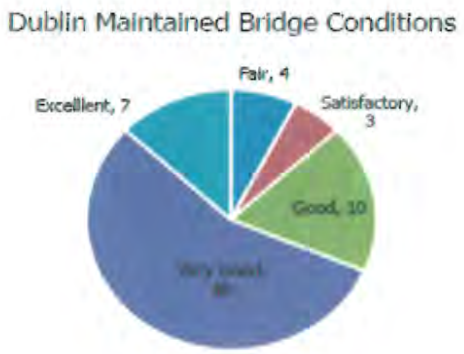


City of Dublin

2017 - 2021 Capital Improvements Program

Planned Work Per Year

Bridge and Recommended Work	Deck Area	Const. Estimate
2017	**6,520**	**$274,000**
Blast and Epoxy Seal	**1,346**	**$67,000**
FRA-MURFD-1.74 (2568950)	1,346	$67,000
Deck Overlay and Railing	**2,917**	**$167,000**
FRA-RECCR-0.18 (2569035)	2,917	$167,000
Railing Replacement	**2,257**	**$40,000**
FRA-BRNDW-0.06 (2568845)	2,257	$40,000
2018	**1,839**	**$592,000**
Replace	**763**	**$190,000**
FRA-ASHBA-0.07 (2568705)	763	$190,000
Replace and widen	**1,076**	**$402,000**
FRA-SHWNF-0.02 (2568772)	1,076	$402,000
2019	**6,488**	**$710,000**
Deck Overlay	**3,886**	**$166,000**
FRA-C0044-20.9 (2534169)	3,886	$166,000
Replace	**2,602**	**$544,000**
FRA-BRGHT-3.6 (2568896)	732	$188,000
FRA-FRNTZ-1.13 (2568810)	1,870	$356,000
2020	**3,078**	**$812,000**
Replace	**3,078**	**$812,000**
FRA-MURFD-2.23 (2568748)	1,539	$406,000
FRA-MURFD-2.23 (2568756)	1,539	$406,000
2021	**4,951**	**$544,000**
Superstructure Replace	**1,076**	**$194,000**
FRA-MNTRY-0.3 (2568799)	1,076	$194,000
Waterproof Asphalt Overlay	**3,875**	**$350,000**
FRA-EMPKY-3.12 (2569043)	3,875	$350,000
Grand Total	**22,876**	**$2,932,000**



ET162 Emerald Bridge (Scioto) Deck Overlay

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 77,976 square feet and was built in 1999. The bridge is 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 extend 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 2017 is for design with construction programmed in 2018. The project provides for a 1.5" concrete deck overlay with micro-silica concrete, using hydro-demolition including the approach slabs and the areas of the shared-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)

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

AT178 Annual Pedestrian Tunnel Maintenance

There are currently 31 pedestrian tunnels within Dublin corporation limits. Of those, 14 meet the Ohio Revised Code's definition of a bridge and are inventoried and inspected as such. The remaining 17 pedestrian tunnels are included in this work plan.

The work plan is based on the most recent inspection data and defines the work planned for each tunnel in order to meet the average condition goal of 80 which equates to "very good." The current average rating for all tunnels is 75.8. Typical maintenance work tasks included in this project are pipe lining, replace stone facing on headwalls, remove and replace headwalls, replace guardrail, and patch corroded areas. 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.

City of Dublin

2017 - 2021 Capital Improvements Program

Tunnel Location	Condition Score	Const Estimate
2017	**70.0**	**$164,000**
Aryshire Dr	74.0	$7,000
Concord Road North of Glick Rd	70.0	$89,000
Memorial Dr East of Holyrood Ct	68.0	$63,000
Memorial Dr West of Cartey Ct	68.0	$6,000
2018	**74.0**	**$207,000**
Memorial Dr West of Kilbirnie Ct	74.0	$207,000
2019	**78.0**	**$205,000**
Carnoustie NW of Springburn Dr	78.0	$205,000
2020	**79.3**	**$195,000**
Avery Rd South of Glick Rd	78.0	$65,000
Glick Road & Rothesay Dr	80.0	$104,000
Memorial Dr SW of Berkshire Ct	80.0	$26,000
2021	**80.0**	**$218,000**
Carnoustie Dr North of Aryshire Dr	80.0	$218,000
Grand Total	**75.0**	**$989,000**

Total Funding Requests

Year	No. Projects	Const. Est.	Design Est.	Total Est.
2017	4	$164,000	$31,050	$195,050
2018	1	$207,000	$20,500	$227,500
2019	1	$205,000	$19,500	$224,500
2020	3	$195,000	$21,800	$216,800
2021	1	$218,000	$0	$218,000

Conditions and Goals

	Target	Actual
Average Tunnel	80	75.4
Number Less than	0	0

Note: An average funding allocation of $225,000 is shown annually over the five-year period.

AT17B Annual Concrete Sealing Maintenance

This project provides for the sealing of areas around the city where the concrete sealer has deteriorated or the concrete has aged and needs refreshed but is otherwise in good condition. Concrete can be sealed with an epoxy urethane or a silane type sealer to provide a clean look and offer protection from weathering. Areas considered for sealing include barrier walls and bridge abutments. Sealing these concrete surfaces offers both aesthetic and preventive maintenance benefits to the structure sealed. Concrete surfaces can also be sealed to cover up graffiti locations.

AT17D Annual Culvert Maintenance

By definition of the Ohio Revised Code, Dublin is fully responsible for the maintenance of all culverts under public roadways within the city. Staff has completed the culvert inventory and the inspection of those culverts was completed July of 2016. Staff will evaluate the inspection and inventory data to create work plans. In the meantime, funding is requested as a placeholder for this culvert maintenance and replacement work. The focus of the culvert work plan will be to address and prioritize structural problems while also focusing on the driving surface of the culverts. There are few preventive maintenance task available for culverts; culvert repairs are generally limited to relining or replacement. Maintenance and replacement of the city's culverts are important as to not adversely affect storm water flow as well as the safety of the travelling public across these structures. Smaller culverts may be able to be replaced by the city's streets & Utilities Operation crews.

City of Dublin

2017 - 2021 Capital Improvements Program

ET17E **Riverside Drive Culvert Replacement**

This project provides for the replacement of an existing concrete box culvert under Riverside Drive north of the Scioto Park entrance. The culvert was determined to be in poor condition. The structural concrete is failing, spalling, and the culvert walls have deteriorated. A replacement of the structure is recommended in the next 18 months. It is likely that temporary or permanent rights of way will be needed from the property to the east to install the new structure. Funding for this project is programmed in 2017.

City of Dublin

2017 - 2021 Capital Improvements Program

TRANSPORTATION – BRIDGES AND CULVERTS
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

GR132 Scioto River Pedestrian Bridge

This project provides for the design, land acquisition and construction of an iconic pedestrian bridge over the Scioto River. Detailed design and environmental permitting of the Scioto River Pedestrian Bridge began in late 2015. The detailed design process is bringing the iconic concept developed and endorsed as part of the Bridge Street District River Corridor Framework Plan in early 2013 to fruition. The concept consists of an "s" curve, two span, suspension bridge, with a tear drop shaped pylon. The pedestrian bridge will serve as an iconic pedestrian and bicycle crossing that functions both as a critical transportation link and a regional destination, featuring the scenic Scioto River corridor.

The construction estimate takes into account an above-deck tower height of 110 feet, Intermediate lighting level, concrete piers, and a 20% contingency.

Construction is programmed to begin in 2017 with an anticipated duration of two years. This schedule is subject to obtaining the requisite federal environmental permits, steel availability, weather, and adjacent construction activities. This project will be funded through general obligation debt that will be issued.

City of Dublin

2017 - 2021 Capital Improvements Program

ET16B **John Shields Parkway Bridge Over Scioto River**

This project provides for the study, design and construction of a future vehicular bridge over the Scioto River between the I-270 and Bridge Street bridges, at the location of the new John Shields Parkway intersection with Riverside Drive. This future bridge will link destinations east and west of the Scioto River in order to facilitate local travel within the Bridge Street District. In addition to a new vehicular connection, the future bridge will provide additional pedestrian and bicycle connectivity across the river. A structure type study began in February of 2016 as part of a comprehensive evaluation of the floodway/floodplain impacts of the pedestrian bridge and other proposed park land improvements. Four structure type concepts are being considered.

Funding includes a signal at Dublin Road and signal reconfiguration at Riverside Drive. The bridge span is approximately 715 feet long. The project is not programmed in the current five-year CIP. The project costs are reflected beyond 2021.

City of Dublin

2017 - 2021 Capital Improvements Program

14-Transportation- Streets & Parking

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	TRANSPORTATION - STREETS AND PARKING										
CAPITAL MAINTENANCE											
AT171	Annual Street Maintenance Program	0	4,000	4,200	5,000	6,300	7,100	7,400	30,000	0	30,000
AT17A	Annual Guardrail Replacement & Maintenance	0	65	60	70	45	65	80	320	0	320
AT177	Annual Parking Lot Maintenance	0	400	415	405	400	420	445	2,085	80	2,165
AT17E	Annual Retaining Wall and Decorative Wall Maintenance	0	0	80	60	60	60	60	320	60	380
AT17F	Annual Pavement Preventive Maintenance	0	0	505	525	545	565	585	2,725	600	3,325
8/1/2016	**TOTAL**	**0**	**4,465**	**5,260**	**6,060**	**7,350**	**8,210**	**8,570**	**35,450**	**740**	**36,190**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
	Street Projects:										
ET013	Tuttle Crossing Blvd. Ext.-Wilcox Road to Avery Road/Avery Road Widening - Tuttle Crossing to Rings Road East, phase 1 (TIF)	453	370	1,900	0	13,090	0	0	14,990	0	14,990
ET161	Tuttle Crossing Boulevard Extension, phase 2 (TIF)	0	0	125	0	0	0	0	125	0	125
ET142	Avery Road Widening - Rings Road E. to Woerner Temple, phase 2 (TIF)	638	100	0	300	0	7,560	0	7,860	0	7,860
ET131	West Innovation Park Infrastructure - Onsite (TIF)	1,618	665	0	135	0	0	0	135	0	135
ET17Q	SR161 & Cosgray Road Roundabout	0	300	640	0	0	0	0	640	0	640
ET066	Eiterman Road Relocation (TIF)	137	0	0	340	0	0	0	340	2,640	2,980
ET164	University Boulevard Extension, phase 2 (TIF)	0	0	0	260	0	0	0	260	1,800	2,060
ET517	Shier Rings Road-Avery Road to Eiterman Road	0	0	0	0	0	150	0	150	2,710	2,860
ET523	Perimeter Drive Widening - Holt Road to Commerce Parkway (TIF)	0	0	0	0	0	300	0	300	5,235	5,535
ET152	US33/SR161/Frantz Road Intersection (TIF)	0	250	0	0	650	875	1,500	3,025	8,500	11,525
ET17I	Shawan Falls Extension, phase 1	0	0	0	500	1,000	4,000	0	5,500	0	5,500
ET17H	Post Road Realignment and Kilgour Place Widening	0	0	0	0	550	1,000	7,000	8,550	0	8,550
ET17S	Frantz Road Bradenton Ave Signalized Intersection Upgrade	0	30	305	0	0	0	0	305	0	305
ET17D (split)	Historic District High Street (Split from ET16A)	649	4,240	2,500	0	0	0	0	2,500	0	2,500
ET16A (split)	Historic District CM Library Street Network	0	0	4,600	0	0	0	0	4,600	0	4,600
ET167	Bridge Street District Program Management ***(AMOUNTS TO BE REFINED W/PROJECT COSTS)***	2,509	2,300	1,525	1,550	25	25	0	3,125	0	3,125
ET163	Uncurbed Streets - Mid-Century Neighborhood	0	685	3,560	0	0	0	0	3,560	0	3,560
ET17F	Dublin Cemetery Drive Improvements	0	0	15	460	0	0	0	475	0	475
ET165	Riviera Hyland-Croy Connector (TIF)	0	0	325	2,070	0	0	0	2,395	0	2,395
ET17L	Rings Road Utility Burial (Churchman Rd to Eiterman Rd)	0	0	0	0	35	420	0	455	0	455
ET17M	River Forest Storm and Roadway Improvement	0	0	0	0	180	0	0	180	1,800	1,980
ET158	Sawmill Road - Snouffer Road Intersection Improvements	0	150	0	450	0	0	0	450	6,650	7,100
ET16F	Sawmill Road Third Southbound Lane Addition	0	150	200	0	0	0	0	200	5,375	5,575
ET17T	Bright Road Cul-de-Sac and Neighborhood Entry Feature	0	25	375	0	0	0	0	375	0	375
ET146	Avery Road/Brand Road Roundabout (TIF)	50	355	2,135	0	0	0	0	2,135	0	2,135

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
	Street Projects:										
ET003	US33/SR161/Post Road Interchange	16,815	200	300	125	0	6,100	0	6,525	650	7,175
ET132	SR 161/Hyland Croy Road Intersection Improvement (TIF)	0	40	40	300	0	0	0	340	0	340
ET518	Hyland Croy & Post Preserve Roundabout (TIF)	0	0	0	375	1,530	0	0	1,905	0	1,905
ET092	Post Preserve Access Modification (TIF)	191	0	180	1,430	0	0	0	1,610	0	1,610
ET16E	Comprehensive Wayfinding System - Phased City Wide	0	955	130	125	95	65	0	415	0	415
	Parking Projects:										
ET411	COTA Relocation (TIF)	627	595	0	0	0	0	0	0	0	0
ET16K	Historic District CM Library Parking Deck	0	0	10,000	0	0	0	0	10,000	0	10,000
ET168	Bridge Park Public Infrastructure (TIF)	3,790	28,210	0	0	0	0	0	0	0	0
ET17A	Bridge Street District Parking Control Equipment	0	75	375	0	0	0	0	375	0	375
ET17B	Parking Lot Construction - Cardinal Health EDA	0	350	2,800	0	0	0	0	2,800	0	2,800
8/1/2016	**TOTAL**	**27,477**	**40,045**	**32,030**	**8,420**	**17,155**	**20,495**	**8,500**	**86,600**	**35,360**	**121,960**
	TOTAL - STREETS AND PARKING	**27,477**	**44,510**	**37,290**	**14,480**	**24,505**	**28,705**	**17,070**	**122,050**	**36,100**	**158,150**

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

City of Dublin

2017 - 2021 Capital Improvements Program

TRANSPORTATION – STREETS AND PARKING
CAPITAL MAINTENANCE

AT171 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 public 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's goal for maintaining pavements is an average 75 PCI rating citywide. In addition, our goal is to maintain all local street pavements above a 50 PCI and all other street pavements above a 60 PCI. The current average PCI rating is 77, with the funding levels generally geared toward maintaining an estimated 75 PCI and raising those that fall below the above-referenced minimum PCIs.

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. Also evaluated is the condition of the existing curb and gutter. That work is aligned with the pavement work.

AT17A Annual Guardrail Replacement and Maintenance

This project provides for an annual allocation for the guardrails within Dublin to be maintained and/or replaced in compliance with current standards. A comprehensive inventory and inspection was performed in 2016 of the existing guardrails in Dublin. A 5 year work plan has been developed in support of the funding requests. The inspection data determined that a large majority of the guardrail is in good or fair condition while less than 10 locations in poor condition. The inspections take the condition of the rails and posts into consideration while also evaluating the alignment and protective coating conditions. The inspections also verify that the guardrail meets the height criteria. There are 245 guardrail locations within or touching the City limits of Dublin totaling a little over 8 miles in length. Of that total, Dublin maintains 190 locations totaling 30,590 feet of guardrail. The remaining locations are maintained by the State, County, or private entities. Of the guardrail maintained by

Dublin, 62% are metal and the remaining 38% are wood. The funding programmed in 2017 is to replace guardrail along Avery-Muirfield, Brand Road, and Dublin Road.

AT177 Annual Parking Lot Maintenance

There are 85 inventoried public parking locations in the City of Dublin including lots and on-street parking locations. The public parking lots total approximately 76 acres of area. A 5 year work plan has been developed in support of the funding requests. The average condition score of the parking lots is 69.9 with a goal of 70. The work plan is based on the fall 2015 parking lot inspection data and defines the major work for each parking lot for each year as well as preventive maintenance tasks. On-Street locations are not part of this work plan as they will be addressed as part of their respective street maintenance program.

The funding programmed in 2017 includes crackseal and sealcoat the Ballantrae Park lot, sealcoat fthe Ballantrae Park Drive, Dublin Arts Center (DAC) lot and the South Pool lot, and replacement of the Coffman Park Pavilion, tennis and old skate park lots, and the Darree Fields Dog Park lot.

Year	No. Projects	Const. Estimate	Prev. Maint. Estimate	Total Estimate
2017	8	$396,000	$20,000	**$416,000**
2018	17	$272,000	$133,000	**$405,000**
2019	9	$307,000	$90,000	**$397,000**
2020	8	$366,000	$53,000	**$419,000**
2021	2	$444,000	$0	**$444,000**

AT17E Annual Retaining Wall and Decorative Wall Maintenance

This project provides for an annual allocation for maintenance of the City's retaining and decorative walls. There are retaining walls around the City in need of maintenance or replacement. A comprehensive retaining wall inventory and inspection is planned to be completed by the end of 2016 to inventory walls that are the City's responsibility as well as a report of their respective condition. Staff will evaluate the inspection data to create a 5 year work plan similar to other city assets. The focus of the retaining wall work plan will be to address and prioritize structural problems while also focusing on the aesthetics of the walls. Funding is requested as a placeholder for this retaining wall maintenance and replacement work. Maintenance of the City's retaining walls is important for the retention and protection of roadway and bridge slopes as well as the safety of the travelling public.

City of Dublin

2017 - 2021 Capital Improvements Program

AT17F **Annual Pavement Preventive Maintenance**

Funding provides for the annual pavement preventive maintenance in the form of crack sealing, pavement rejuvenators and other strategies. Preventive maintenance is a planned strategy of cost effective treatments to an existing roadway system that preserves the system, retards future deterioration, extends the service life, and maintains or improves the functional condition of the system without substantially increasing structural capacity. Pavement preventive maintenance treatments reduce the amount of water infiltrating the pavement structure, protect the pavement system, slow the rate of deterioration, or correct surface deficiencies such as roughness and non-load related distress. Applied at the proper time, preventive maintenance treatments are proven to prolong the life of pavements at a lower user cost.

City of Dublin

2017 - 2021 Capital Improvements Program

TRANSPORTATION – STREETS AND PARKING
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

Street Projects:

ET013 Tuttle Crossing Boulevard Extension – Wilcox Road to Avery Road / Avery Road Widening – Tuttle Crossing Blvd. To Rings Road East, phase 1

This public infrastructure project provides for the extension of Tuttle Crossing Boulevard from its current terminus at Wilcox Road to Avery Road. The project includes the construction of a four-lane boulevard with curb and gutter, bikeway, sidewalk, street lights, traffic signals, a multi-use tunnel and landscaping. Funds for a preliminary alignment study were programmed for 2012 partially due to the National Church Residence's (NCR) ability to secure financing for the construction of one and two bedroom housing units for seniors of mixed incomes and discussions with Homewood for development of the area north of the NCR site. The design and right-of-way acquisition are programmed in 2013 and 2017, respectively. The multi-use tunnel is needed due to anticipated Public Right-of-Way Accessibility Guidelines (PROWAG) rulings.

The project will be funded through service payments from the Rings/Frantz TIF, an advance of income tax from the General Fund, City of Columbus and private developer contributions, as well as a $7,000,000 grant through MORPC attributable funding. Construction costs reflect total construction costs and not total Dublin costs.

ET161 Tuttle Crossing Boulevard Extension, phase 2

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 an advance from the General Fund to be repaid from service payments from the Rings/Frantz TIF (to be modified).

City of Dublin

2017 - 2021 Capital Improvements Program

ET142 Avery Road Widening – From Rings Road East to Woerner-Temple Road, phase 2

This project provides for the widening of Avery Road from Woerner-Temple Road to Rings Road West. It will include a four lane boulevard "Emerald Parkway" section for Avery Road approximately 3,150 ft in length and includes a multi-lane roundabout at the intersection of Rings Road West; street lighting; and a bridge over Cramer Ditch. Design is programmed in 2015/2016, right of way is programmed in 2018 and construction in 2020. Construction is intended to follow the Tuttle Crossing Boulevard Extension.

Funding for this project is anticipated to be from service payments from the Thomas/Kohler TIF. Attributable funding through MORPC is a potential funding source and will be applied for in 2016.

ET131 West Innovation Park infrastructure - Onsite

This project provides for extending utilities and the road network into the Job Ready Site (JRS) at Houchard Road and Post Road/SR 161 to set conditions for new development. It is based on a TIS/Utilities Plan performed by American StructurePoint for the City. This project includes: Phase 1 (2014) - the construction of 1,000 feet of new roadway and the associated utilities, the construction of a turn lane on SR 161 and the extension of the sewer and water to the new roadway and Phase 2 (2016) – AEP burial of electric along SR 161 and the construction of the remaining infrastructure identified in the masterplan. Programming in 2018 includes the installation of 750 feet of 18-inch sanitary sewer on the south side of Lot 1 that is required by Columbus when Lot 1 develops.

Funding for work programmed in 2018 is anticipated to be from service payment revenue from the West Innovation TIF.

ET17Q SR 161 and Cosgray Road Roundabout

This project provides for the construction of a hybrid multi-lane roundabout at the intersection of S.R. 161 and Cosgray Road. Costs will be shared between the developer (Dublin Green), the City of Dublin, Franklin County and Union County. Union County is responsible for collecting each entity's contribution and making payments for all costs of the project. Dublin's responsibilities include management of right-of-way acquisition, design engineering, construction bidding, contractor selection and management of the project. The project also involved ODOT participation. Increased safety and capacity is needed at the intersection and access to the Dublin Green development (currently under construction along the north side of S.R. 161). Ordinance 15-16 authorized the City Manager to enter into the

agreement with Union County and Franklin County for the construction of the improvement.

Design for this project is programmed in 2016, with site acquisition and construction programmed in 2017.

ET066 Eiterman Road Relocation

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

Design of the project is programmed in 2018, and construction, landscape and utility burial is shown beyond the five-year period. The project is subject to on-going evaluation and will be initiated by further development of the Ohio University campus.

It is anticipated that the project will be funded through 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.

ET164 University Boulevard Extension, phase 2

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 2018. Construction and landscaping are reflected beyond the five-year period.

City of Dublin

2017 - 2021 Capital Improvements Program

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

ET517 Shier Rings Road - Avery Road to Eiterman Road

This project provides for the upgrade of the existing 2-lane road with ditches to minimum 3-lane road with curb and gutter within 100 ft. right-of-way. Possibly a traffic signal will be installed at Eiterman Road/Shier Rings Road. Approximately 3,900 ft. of Shier Rings Road will be affected. The project also includes burying approximately 4,000 feet of overhead utilities.

City Council approved Ordinance 05-16 authorizing the purchase of 73.650 acres, more or less, located at 6600 Shier Rings Road. The timing of the development of this property will impact the need for infrastructure improvements.

Preliminary engineering is programmed in 2020. Design, utility relocation and construction is shown beyond 2021, and not programmed in the five-year period.

ET523 Perimeter Drive Widening - Holt Road to Commerce Parkway

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 2021.

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

ET152 US33/SR 161/Frantz Road intersection

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 that better fits with the updated 270-33 interchange.

An alternative study was programmed for 2016, with final design programmed in 2019. Site acquisition is programmed in 2020 and includes adjacent commercial

properties. Utility burial is programmed for 2021, and construction is not yet programmed. It is reflected beyond the five-year period. Service payments received from the Upper Metro TIF and debt issuance will be the funding source for this project.

ET17I Shawan Falls Extension, phase 1

This project provides funding for the extension of Shawan Falls and Rock Cress for the purpose of providing an alternate route when SR 161/Frantz/Post Road intersection is reconstructed. This project includes the construction of approximately 0.6 lane miles of roadway.

Design is programmed in 2018, site acquisition in 2019 and construction is programmed in 2020. The project will be funded through debt issuance.

ET17H Post Road Realignment and Kilgour Place Widening

This project provides funding for the realignment of Post Road to create an intersection with Kilgour Place that is further north of the existing intersection near SR 161. The realignment will be performed in conjunction with the widening of Kilgour Place to accommodate the realignment and lane needs. This is approximately 1,550 feet of reconstruction and realignment, and will also provide an alternative route when SR 161/Frantz Road/Post Road intersection is reconstructed.

Design for this project is programmed in 2019, site acquisition in 2020, and construction in 2021. The project will be funded through debt issuance.

ET17S Frantz Road at Bradenton Avenue Signalized Intersection Upgrade

This project involves replacement of the traffic signal infrastructure which was originally installed in 1988. The signal mast arm supports have significant surface corrosion, which affects the appearance and eventually the strength of the structure. This project will include, but is not limited to, replacement of mast arm supports, traffic signals, pedestrian signals, illuminated street name signs, traffic signal controller cabinet. Consideration will be given to accessible pedestrian detection devices, possible minor changes to the accessible paths and detectable warning devices. The intent is to keep the existing in-service and serviceable signal installation features, e.g., traffic detector loops, underground conduits and signal mast arm support foundations.

Funding for design is programmed in 2016, with replacement and utility work programmed in 2017. The project will be funded through the Rings/Frantz TIF, which may need modification.

City of Dublin

2017 - 2021 Capital Improvements Program

ET17D Historic District High Street

The project provides funding for the reconstruction of High Street between Indian Run Drive and North Street. Included in the project is the design and construction of the Franklin Street Extension between SR 161 and proposed Rock Cress, North Street between Franklin Street Extension, Rock Cress between Franklin Street Extension and High Street and High Street between SR 161 and Indian Run Drive.

Street construction is assumed to be asphalt streets with brick inlay. However, street types and finishes need to be presented to and approved by City Council. Burial of overhead utilities is included for north of Bridge Street to approximately proposed Rock Cress. Utilities along Blacksmith are not included in this project.

The project is linked to the development of the Columbus Metropolitan Library, and the Bridge Park West development, and is a further advancement of the Bridge Street District roadway network. Construction is programmed in 2016, and utility relocation is programmed in 2016 and 2017. The project is expected to be bid in late fall 2016. Debt will be issued to fund the project.

ET16A Historic District CM Library Street Network

The project is the construction of Franklin Street north of SR 161 to Rock Cress, North Street between Franklin Street, Rock Cress between Franklin and the reconstruction of High Street. The street construction is assumed to be asphalt streets with Brick inlay. However, street types and finishes need to be presented to and approved by City Council. Construction is programmed in 2017. Debt will be issued to fund the project.

City of Dublin

2017 - 2021 Capital Improvements Program

ET167 Bridge Street District Program Management

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 Riverside 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.

ET163 Uncurbed Streets – Mid-Century Neighborhood

This project provides upgrades to Marion Street, Longview Drive, Grandview Drive, and Franklin Street that are currently uncurbed streets. The work includes enclosing ditches, adding seven-foot wide tree lawns, four-foot sidewalks, and roadway widening. Staff is requesting residents donate a temporary easement / right-of-entry to perform grading and drive reconstruction outside of existing right-of-way.

The project originated as a request from residents for the City to investigate upgrading the local streets serving the Mid-Century neighborhood from uncurbed roadways to current Dublin standards including total pavement replacement, widening, and addition of curb and gutter and sidewalks. Since right-of-way for streets are already 50-feet, it is assumed that no right-of-way is needed. Funding in 2016 provides for design and funds programmed in 2017 provide for construction and any necessary landscaping. Funding for the project will be provided through a transfer from the General Fund.

ET17F Dublin Cemetery Drive Improvements

This project provides funding for the paving of existing gravel drives through the Dublin Cemetery on Bridge Street. Paving the existing gravel drives will provide better access for conveyance of users to the various plot areas. Additionally, it will provide better accessibility for users who are access-impaired. This project has been requested by Dublin residents for added convenience in navigating the Cemetery.

Design is programmed in 2017, with construction and utility relocation programmed in 2018.

City of Dublin

2017 - 2021 Capital Improvements Program

ET165 Riviera Hyland-Croy Connector

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 street section is assumed to be two lanes with a center median and separated bike/pedestrian facilities (tentatively names Cacchio Lane). This project also includes installation of a pedestrian crossing system on Avery Road at Memorial Drive.

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.

ET17I Rings Road Utility Burial (Churchman Road to Eiterman Road)

This project funds the relocation of overhead utilities on AEP power poles to underground conduits and vaults on the north side of Rings Road between the west side of Churchman Road roundabout and the west side of Eiterman Road. Overhead utilities will be placed underground with the Avery Road widening project from Rings Road to Woerner-Temple Road, including Rings Road between Eiterman Road and Avery Road. This project will place underground the remaining aerial utilities within Dublin's corporation limit along Rings Road from west of the Churchman Road/Rings Road roundabout to Eiterman Road.

Design and site acquisition for this project are programmed in 2019 with construction and costs of other appurtenances funded in 2020. This project will be funded by the Thomas/Kohler TIF.

ET17M River Forest Storm and Roadway Improvements

This project provides funding for improvement to roadside drainage and rehabilitation of roadways in River Forest. Over time, the ditches in this area have been filled in by residents causing the roadway not to drain properly. The project includes installation of storm piping, removal or modification of enclosed ditches, and reconstruction of roadways. Location for the work is Ashford Road, Indian Hill Road, River Forest Road and Bennett Court.

Project design is programmed in 2019 with construction reflected beyond the five-year period.

City of Dublin

2017 - 2021 Capital Improvements Program

ET158 Sawmill Road – Snouffer Road Intersection Improvements

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 2016, and design in 2018. Site acquisition, utility relocations, and construction are reflected beyond the five-year period. The funding source for this project will be from the Capital Improvements Tax Fund.

ET16F Sawmill Road Third Southbound Lane Addition

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 a placeholder amount for design programmed in 2017. The project is currently reflected beyond 2021 with site acquisition, utility relocation, and construction not programmed as of this time.

E17T Bright Road Cul de Sac and Neighborhood Entry Feature

This project provides funding for construction of a cul de sac and restoration of the area at the west end of Bright Road at Riverside Drive. The intersection of Bright Road with Riverside Drive has an accident history. Eliminating this intersection will eliminate the accidents and the through traffic that uses Bright Road to reach Sawmill Road. Access is still maintained in the area with the opening of Emerald Parkway.

Design for this project is programmed in 2016 with site acquisition and construction of the cul de sac in 2017. Funding is also included in this project for a neighborhood entry feature on Bright Road. This project will be funded by the Emerald Parkway, phase 8 TIF.

ET146 Avery Road/Brand Road Roundabout

This project consists of a modern single lane roundabout with separate right-turn bypass lanes in the northwest and southwest quadrants of the roundabout. The

project will also consist of: sanitary sewer extension on Quin Abbey Court; burial of overhead utility lines; and landscaping. Permanent easements will be needed for the sanitary sewer extension. The majority of the roundabout project is located within existing right-of-way or adjacent City owned reserve areas. Improves capacity at the intersection and provides for sanitary sewer service to an unserved property. Construction will be performed in phases - Brand Road will remain open to traffic during the majority of the construction period.

Funding for design and any site acquisition necessary for the project was programmed in 2016, and construction, landscaping and utility work is programmed for 2017. Service payments received from the Tartan West TIF will be the funding source for this project.

ET003 US33/SR161/Post Road Interchange

This project provides funding for US 33/SR 161/Post Road interchange ramps and terminal intersections previously approved by the Federal Highway Administration and Ohio Department of Transportation. The project will provide needed interchange capacity.

Dublin has been working on an Attributable Funding application with Union County as the sponsor to request.

Study/design costs included in 2016 are to update and complete detail design drawings, update environmental clearances/FEMA study, and update the IMS. Programmed in 2017 are funds to update environmental documents. Right-of-way acquisition is programmed in 2018 is needed from a property along Liggett Road and other temporary easements not currently known. Construction is shown in 2020.

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

ET132 SR 161/Hyland-Croy Road Intersection Improvement

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. It is intended to help relieve congestion and delay at this intersection due to development pressures along Hyland-Croy Road. ODOT will need to be consulted to determine whether they can consider this work as phased construction of the US33/SR 161 interchange project as a whole. The project does not include any additional turn lanes, pavement, or other improvements at the intersection.

City of Dublin

2017 - 2021 Capital Improvements Program

Funding of the project design is programmed in 2016/2017, and construction is programmed in 2018. The Perimeter West TIF will be the funding source for this project.

ET518 Hyland Croy and Post Preserve Roundabout

This project provides funding for a roundabout at a new intersection on Hyland Croy Road for the new entrance to the Post Preserve subdivision. Development pressures along Hyland-Croy have caused this project to increase in priority.

Design and site acquisition is programmed in 2018, and construction and landscape is programmed in 2019. The funding source for this project is service payment revenue from the Perimeter West TIF, and debt issuance.

ET092 Post Preserve Access Modification

This project provides funding to extend and connect 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 upgraded interchange at US33/SR161/Post Road.

Design and utility work is programmed in 2017, with construction and landscape programmed in 2018. This project will be funded through service payments received from the Perimeter West TIF, and debt issuance.

ET16E Comprehensive Wayfinding System – Phased City Wide

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:

City of Dublin

2017 - 2021 Capital Improvements Program

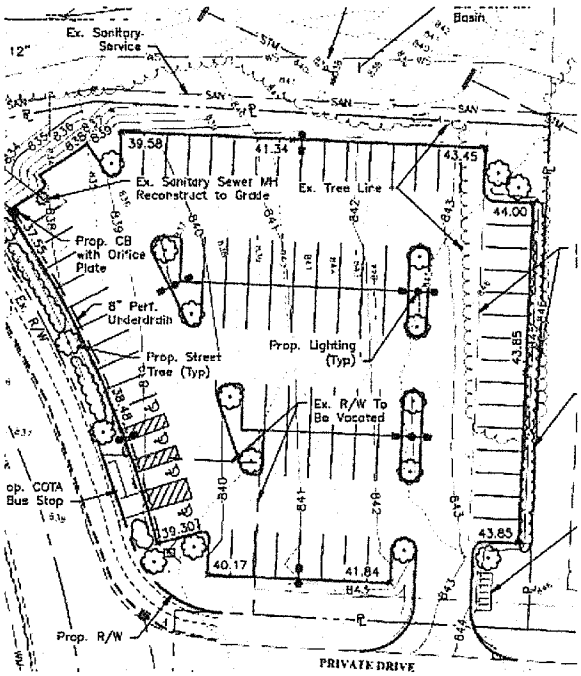
Phase 1A: Bridge Street District — Riverside Drive and 161/Roundabout, John Shields Parkway (Riverside Drive to Village Parkway)
Phase 1B: Bridge Street District — (All other areas of BSD outside the phase 1A project limits), and extending beyond BSD to include Riverside Drive North of Tuller Rd to east 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 2016 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 are 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.

Parking Projects:

ET411 Central Ohio Transit Authority (COTA) Relocation

This project is for the design and construction of a new Park and Ride facility to relocate COTA from 4450 Dale Drive to their new adjacent site. Design and construction were programmed for 2016. Construction is scheduled for completion in August 2016.



City of Dublin

2017 - 2021 Capital Improvements Program

ET16K **Historic District CM Library Parking Deck**

This project provides funding for a four-story deck parking garage in the Historic District on the Columbus Metropolitan (CM) Library's Dublin branch property. The site is located at North Street, future Franklin and future Rock Cress Parkway. 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. The Columbus Metropolitan Library (CML) plans to redevelop their library at 75 N. High Street. Dublin and CML have historically shared parking on this site and the evolution of the site has warranted exploration of structured parking. The City is taking the lead on the design and construction of the parking deck. The partnership is anticipated to lead to parking solutions for the Historic District as a whole.

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

ET168 **Bridge Park Public Infrastructure**

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.

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 construction of these public improvements were programmed for 2016 and 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.

ET17A **Bridge Street District Parking Control Equipment**

This project provides for the funding of the design and construction/installation of parking control equipment (meters or kiosks) for on-street parking. Design is programmed in 2016, with construction programmed in 2017 for equipment and foundations. The funding request includes 15 meters and foundations. The cost may be affected by level of completion on these projects.

City of Dublin

2017 - 2021 Capital Improvements Program

ET17B Parking Lot Construction for Cardinal Health Economic Development Agreement

This project provides funding for the design and construction of a new parking lot that will cover approximately 9.5 acres and provide an estimated 767 new parking spaces. The site is located just to the east of the building at 5100 Rings Road. This project will include the installation of new pavement, curbing, striping, lighting, landscaping, stormwater infrastructure, and conduit for expansion of potential "smart parking" applications.

Providing funding for this project enables the City to deliver the incentives as approved via Ordinance 16-16 - Economic Development Agreement with Cardinal Health. This project will allow Cardinal Health to consolidate approximately 2,000 jobs. The total value of this incentive is approximately $3.3 - $3.8 million dollars. Assuming total estimated payroll withholding over the term of the lease to be $31 million, the City expects to net approximately $27.2 million over the term of the lease. Per the agreement, the project is to be completed by December 1, 2017. Design is programmed in 2016 with construction in 2017. A transfer will be made from the General Fund to fund this project.

DEPICTION OF PARKING EXPANSION AREA

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	TRANSPORTATION - STREETS AND PARKING (BEYOND)										
	CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE										
	Street Projects:										
ET157	Post Road Improvement (TIF)	0	0	0	0	0	0	0	0	5,230	5,230
ET17J	Shawan Falls Extension, phase 2	0	0	0	0	0	0	0	0	6,550	6,550
ET17C	John Shields Parkway, phase 3	0	0	0	0	0	0	0	0	6,500	6,500
ET159	Dale Drive Rehabilitation (TIF)	0	0	0	0	0	0	0	0	6,070	6,070
ET16D	N. Riverview Rehabilitation (Extension)	0	2,460	0	0	0	0	0	0	850	850
ET17G	Bridge Park Avenue Extended, phase 2	812	0	0	0	0	0	0	0	8,260	8,260
ET17O	Tuller Ridge Drive Shared-Use Path and Intersection Impr.	0	0	0	0	0	0	0	0	220	220
ET17N	Shier-Rings Rd Improvements - Avery Road to Emerald Parkway	0	0	0	0	0	0	0	0	7,430	7,430
ET040	Avery-Muirfield/Perimeter Loop/Perimeter Drive (TIF)	624	0	0	0	0	0	0	0	6,975	6,975
ET17K	Perimeter Drive Streetscape	0	0	0	0	0	0	0	0	2,800	2,800
ET17U	Riverside Drive/Summit View Rd Intersection & Shared-Use Path	0	0	0	0	0	0	0	0	1,775	1,775
ET151	Muirfield Drive/Memorial Drive Intersection Improvement	37	30	0	0	0	0	0	0	1,910	1,910
ET089	Hyland Croy/McKitrick Road Roundabout	95	85	0	0	0	0	0	0	2,155	2,155
ET515	Old Avery Road Relocation	0	0	0	0	0	0	0	0	4,750	4,750
ET17P	Cosgray Road / Churchman Road Roundabout	0	0	0	0	0	0	0	0	1,310	1,310
ET17R	Emerald Parkway - Woerner Temple Road Roundabout	0	0	0	0	0	0	0	0	2,340	2,340
8/1/2016	**TOTAL**	**1,568**	**2,575**	**0**	**0**	**0**	**0**	**0**	**0**	**65,125**	**65,125**
	TOTAL - STREETS AND PARKING (BEYOND)	**1,568**	**2,575**	**0**	**0**	**0**	**0**	**0**	**0**	**65,125**	**65,125**

City of Dublin

2017 - 2021 Capital Improvements Program

TRANSPORTATION – STREETS AND PARKING
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

Street Projects:

ET157 Post Road Improvement

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 project will improve Post Road between Perimeter Drive and Avery-Muirfield Drive to a Dublin standard 3-lane curb and gutter section. This 3,400 feet section of Post Road serves commercial areas; churches; single family residential and senior living establishments. The project includes: landscaping; sidewalk; shared-use path; curb and gutter; enclosures of existing ditches; storm sewers; extension of existing box culvert; and street lights. The project costs includes AEP burial of overhead utility lines.

Design, utility relocation and construction is shown beyond 2021, and is not programmed in the five-year period. This project will be funded through service payment revenue from the Perimeter West TIF.

ET17I Shawan Falls Extension, phase 2

This project provides funding for the extension of Shawan Falls between Rock Cress Parkway and North Fork Indian Run. Both phase 1 and phase 2 extensions will advance the Bridge Street District roadway network.

This project is currently shown beyond 2021. No funds have been programmed for the project.

ET17C John Shields Parkway, phase 3

This project provides for the extension of John Shields Parkway between the North Fork Indian Run to Dublin Road. The project includes the construction of approximately 0.65 miles of new signature roadway, and provides an alternate route when SR 161/Frantz Road/Post Road intersection is reconstructed. The project is not currently programmed in the five-year period.

City of Dublin

2017 - 2021 Capital Improvements Program

ET159 Dale Drive Rehabilitation

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 for 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 and construction is shown beyond 2021, and not programmed in the five-year period.

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 Vrable TIF.

ET16D N. Riverview Rehabilitation (Extension)

This project provides for the construction of N. Riverview Street from Crawford Hoying property line north to Dublin Road and Indian Run Drive. Construction was programmed in 2016. The work may include new granite curbs, asphalt, stone veneer on culvert, and possible parking overlooks. This project will be funded through debt issuance. Finishing work is reflected beyond 2021.

ET17G Bridge Park Avenue Extended, phase 2

This project includes funding for the roadway construction of Bridge Park Avenue. Connectivity is provided east from Dale Drive to Shamrock Blvd. Included is AEP duct bank and other public utilities in accordance with the Bridge Street District standards. This project is dependent on development.

City of Dublin

2017 - 2021 Capital Improvements Program

Design and construction is reflected beyond 2021 for this project.

ET170 Tuller Ridge Drive Shared-Use Path and Intersection Improvement

This project provides funding for the construction of 152 feet of 8-foot asphalt shared use path on the north side of Tuller Ridge Drive just west of Greystone Mews, with an intersection improvement at Tuller Ridge and Hobbs Landing Drive/Troutbrook Drive. This project will create an intersection with an accessible crosswalk on the west side to the intersection to improve safety of pedestrians utilizing this area.

The project is currently reflected in the period beyond 2021 and not yet programmed for funding.

ET17N Shier-Rings Road Improvements – Avery Road to Emerald Parkway

This project includes funding for expanding the existing two lane Shier-Rings Road to a modern four lane city street with: curb and gutter; storm sewers; four 12 ft. lanes of asphalt pavement; 5 ft. sidewalk; 8 ft. shared-use path; conduit and vault facilities to place overhead utilities underground; landscaping; and street lights. The project location stretches from Avery Road to Emerald Parkway.

Funding for this project is un-programmed and reflected beyond the five year period.

ET040 Avery-Muirfield Drive/Perimeter Loop/Perimeter Drive

This project provides for the reconstruction of the intersections from signalized intersections to roundabouts (about 700 feet in total length) to improve the level of service and safety. 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. More complex landscaping plans for the central islands are expected in this area due to the prominence of the corridor.

The design for the project was programmed in 2015/2016. Right-of-way acquisition, construction and relocated utilities are not programmed in the five-year period. They are currently reflected beyond 2021. 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.

City of Dublin

2017 - 2021 Capital Improvements Program

ET17K Perimeter Drive Streetscape

This project provides funding for the resurfacing of Perimeter Drive from Hyland-Croy to Avery Square and installation of brick medians. The roadway is due for resurfacing and the installation of brick medians will enhance the corridor and reduce resurfacing costs in the future. Medians may be a mixture of hardscape and landscape. The project also includes a proposed signal at Hospital Drive and a roundabout at Avery Square.

This project is currently shown beyond 2021. No funds have been programmed for the project.

ET17U Riverside Dr/Summit View Rd Intersection & Shared-Use Path Improvement

The project provides for the widening of Riverside Drive (SR 257) and Summit View Road for left turn lanes. Also included in the project is the connection of shared-used-path to the south of Summit View Rd and extending it to the northern limit of the roadway work of this project and making connection to the shared-use-path east of Summit View Rd on the north side of that road. Ditches, signalization, and landscaping; replacing the existing roadway surface on Summit View Drive for 750 ft with rigid (concrete) pavement.

Funding for this project is not programmed. This project is reflected beyond 2021.

ET151 Muirfield Drive/Memorial Drive Intersection Improvements

An alternatives analysis study is underway to help the City determine the best treatment for this intersection. Alternatives such as signalization, separated turning movements, and a roundabout are being considered with the study and public input has been obtained. Crash history indicates a high number of collisions at this location relative to the traffic volumes. Also concerning are the percentages of angle collisions and injuries resulting from the crashes.

Funding for the study is programmed in 2016. Design, site acquisition and construction is reflected beyond the five year period. The funding source for this project is the Capital Improvements Tax Fund.

ET089 Hyland-Croy/ McKitrick Road Roundabout

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.

City of Dublin

2017 - 2021 Capital Improvements Program

Design was funded in 2015/2016. Right-of-way acquisition, utility work, and construction and landscaping are reflected outside the five-year period of 2021 and are not yet programmed.

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.

ET515 Old Avery Road Relocation

This project provides funding for the relocation of Old Avery Road and improvements to the intersection of Shier-Rings Road and Avery Road. This project will re-route Old Avery Road to the west to align with the driveway of the City's Fleet Building and close the existing Shier-Rings Road at Old Avery Road intersection. It is anticipated that a roundabout will be constructed at the Shier-Rings Road at Avery Road intersection. This project will support development of the OU campus and the Western Innovation District.

Preliminary engineering, final design, site acquisition along with utility work, and construction is not yet programmed. The project is reflected beyond the five-year period. Funding for this project will come from the Capital Improvements Tax Fund. The Dublin Methodist TIF may be reviewed as a possible funding source.

ET17P Cosgray Road/Churchman Road Roundabout

This project involves the construction of a modern roundabout at the intersection of Cosgray Road and Churchman Road. This project was previously referred to as Phase 3 of the Relocated Rings Road (Churchman Road) project. The project timing is dependent on golf course development.

Design for this project will be completed in 2016. Funding for construction, utility work and landscaping of the project is not yet programmed. Currently the project is reflected beyond the five-year period.

ET17R Emerald Parkway-Woerner Temple Roundabout

Funding for this project provides for the replacement of the existing signalized intersection with a modern roundabout at the intersection of Emerald Parkway and Woerner-Temple Road. The project will enhance capacity, increase safety at the intersection.

Funding for construction, utility work and landscaping of the project is not yet programmed. Currently the project is reflected beyond the five-year period.

15-Water

CITY OF DUBLIN
CAPITAL IMPROVEMENT PROJECTS
2017-2021

(MUNIS) PROJECT NO.	DESCRIPTION	PRIOR YEARS ($000)	2016	2017	2018	2019	2020	2021	TOTAL 2017-2021 ($000)	BEYOND 2021 ($000)	TOTAL TO BE BUDGETED
	UTILITIES - WATER DISTRIBUTION SYSTEM										
CAPITAL MAINTENANCE											
EW131	Water Quality Unit Relocation	0	0	15	75	0	0	0	90	0	90
EW172	Tartan West Water Tank Re-Painting	0	0	0	0	0	10	390	400	0	400
EW173	Avery Water Tank Air Gap Structure	0	0	35	0	0	0	0	35	0	35
7/27/2016	**TOTAL**	**0**	**0**	**50**	**75**	**0**	**10**	**390**	**525**	**0**	**525**
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE											
EW111	Rings Road Waterline (Eiterman Road to Bonanza Lane)	0	80	650	0	0	0	0	650	0	650
EW162	Tuswell Drive Waterline	0	15	105	0	0	0	0	105	0	105
AW101	Water Line Replacement	827	550	70	580	70	600	75	1,395	600	1,995
EW174	Brand Road Booster Station Improvements	0	0	90	570	0	0	0	660	0	660
EW171	Water Line Extensions - Area 12	0	35	85	0	0	0	0	85	0	85
EW176	Water Line Extensions - Areas 4A & 8A	0	0	0	310	1,020	0	0	1,330	0	1,330
EW177	Water Line Extensions - Areas 4B & 4C	0	0	220	730	0	0	0	950	0	950
EW178	Water Line Extensions - Area 3A	0	0	0	0	130	445	0	575	0	575
EW179	Water Line Extensions - Areas 2B &2C	0	0	0	0	0	260	875	1,135	0	1,135
EW17A	Water Line Extensions - Area 8C	0	0	0	0	0	0	45	45	145	190
7/27/2016	**TOTAL**	**827**	**680**	**1,220**	**2,190**	**1,220**	**1,305**	**995**	**6,930**	**745**	**7,675**
	TOTAL - WATER	**827**	**680**	**1,270**	**2,265**	**1,220**	**1,315**	**1,385**	**7,455**	**745**	**8,200**

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

City of Dublin

2017 - 2021 Capital Improvements Program

UTILITIES – WATER DISTRIBUTION SYSTEM
CAPITAL MAINTENANCE

EW131 Water Quality Unit Relocation

This project provides for the relocation of the Hach water quality unit from the Blazer Water Tank to Tartan West Water Tank. Water quality units measure Chlorine, Turbidity, pH, and conductivity for water quality monitoring within the distribution system. Design/studies are programmed in 2017 with construction programmed in 2018.

EW172 Tartan West Water Tank Re-Painting

Funds programmed in 2020 and 2021 are for the exterior painting, dry interior and wet interior painting of the Tartan West Tank located at 9860 Hyland- Croy Road. The Tartan West Water Tank was originally built in 2006 and is in need of an adhesion test and inspection of the existing coatings. An inspection will be performed in 2020 and the findings will determine when this work will be necessary.

EW173 Avery Water Tank Air Gap Structure

This project provides for the study and repair/construction of the Avery Water Tank Air Gap construction to meet OEPA and City of Columbus requirements. The Avery Road Water Tank is located at 7401 Avery Road. The Ohio Environmental Protection Agency Water Audit, dated June 19, 2015, demonstrated that the Avery Water Tank Air Gap Structure was not in compliance with 10 State Standards Section 7.0.7. Funding for this project is programmed in 2017.

City of Dublin

2017 - 2021 Capital Improvements Program

UTILITIES – WATER DISTRIBUTION SYSTEM
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

EW111 Rings Road Waterline (Eiterman to Bonanza Lane)

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. This was an offsite improvement identified with the Ballantrae development. Design and site acquisition was programmed for 2016 and construction is programmed in 2017.

EW162 Tuswell Drive Waterline

This project designs and constructs approximately 525 feet of 12 inch waterline on Tuswell Drive at Avery Road. Based on the 2008 Agreement with the Stonehenge Company, we need 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. Design was programmed in 2016 with construction programmed in 2017.

AW101 Waterline Replacement

The City's water system is relatively new, however there are areas in the City that have older 2" and 3" water pipes that have been identified for replacement with a 6" water pipes. The smaller lines tend to experience more problems with breaks. Reliability of the water pipes distribution system is a key component for customer satisfaction. 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, 2019 and 2021 for design, and in 2016, 2018, 2020 and beyond 2021 for replacement/construction. The majority of the replacements will take place in Muirfield Village.

EW174 Brand Road Booster Station Improvements

This project provides for improvements to the Brand Road Booster Station located at 4751 Brand Road based upon finalized engineering studies in 2015. Included in the project are new 100 hp pumps and motors including electrical equipment upgrades, control panel, instrumentation, and generator connection and transfer switch improvements. Design is programmed in 2017 with construction programmed in 2018.

City of Dublin

2017 - 2021 Capital Improvements Program

Water Line Extensions

These projects will provide funding to systematically provide access to areas of the City not currently on the public water distribution system in accordance with the Public Water Utility and Sanitary Sewer Utility Extensions to Existing Developed Property Policy as adopted by City Council on December 7, 2015. These projects, listed below, are funded from the Water Fund.

W171 Water Line Extensions – Area 12

This project will provide Area 12 with 8" water pipe extensions to Browning Court properties in Galway Estates. Access to the water distribution system for 9 parcels will be provided by this project. Design was programmed in 2016 with construction programmed in 2017.

EW176 Water Line Extensions – Area 4A & 8A

This project will provide Area 4A with 6", 8" & 12" water pipe extensions to River Knoll Subdivision (Orchard Crest Drive & River Knolls Place)(11 parcels) and 7049 - 7575 Riverside Drive (8 parcels), 4780 Bright Road, 7230 - 7304 Riverside Drive (6 parcels). Area 8A will provide 8" & 16" water pipe extensions to Cara Rd., Cara Ct., and Rings Road west of Avery Road. Area 8A was leveraged with Tuttle Crossing Blvd. and Avery Road improvements. Design is programmed in 2018 with construction programmed in 2019.

EW177 Water Line Extensions – Area 4B & 4C

This project provides Area 4B & 4C with 6" & 8" water pipe extensions to Bright Road and Grandee Cliffs Subdivision. Area 4B water extension is located on Bright Road from Riverside Drive and 1,200 ft. east of Riverside Drive; Area 4C encompasses Grandee Cliffs subdivision and Bright Road starting at 1,200 ft. east of Riverside Drive to MacBeth Drive. This project provides for 32 parcels to receive access to water service. Design and site acquisition is programmed in 2017 with construction programmed in 2018.

EW178 Water Line Extensions – Area 3A

Area 3A will provide 12" water pipe extensions to Riverside Drive and is located along Riverside Drive from Hard Road to Wyandot Woods Boulevard. Design and site acquisition is programmed in 2019 with construction programmed in 2020.

EW179 Water Line Extensions – Area 2B & 2C

Area 2B & 2C will provide 6", 8", and 12" water pipe extensions to Riverside Drive and O'Shaughnessy Hills. Area 2B is located on Riverside Drive from Summit View Road to 8449 Riverside Drive. Area 2C encompasses O'Shaughnessy Hills subdivision east of Riverside Drive. This project provides for

122 parcels to receive water service. Design and site acquisition is programmed in 2020 with construction programmed in 2021.

EW17A **Water Line Extensions – Area 8C**

Area 8C will provide 8" water pipe extensions to Old Wilcox Road. Area 8C is located on Old Wilcox Road between Tuttle Crossing Blvd. and Wilcox Road. Design and site Acquisition is programmed in 2021 with construction shown beyond 2021.