



City of Dublin

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Memo

To: Members of Dublin City Council

From: Dana L. McDaniel, City Manager

Date: August 3, 2021

Initiated By: Matthew L. Stiffler, Director of Finance
Rosa Ocheltree, Deputy Director of Finance
Melody Kennedy, Budget Manager

Re: Adopting the 2022 - 2026 Five-Year Capital Improvements Program (CIP)

Summary

The Administration's proposed Capital Improvements Program (CIP) for 2022 - 2026 has been prepared and is submitted to City Council for review.

The proposed CIP will be reviewed with City Council during workshops scheduled for August 9, 2021 and August 23, 2021. Additional workshops will be scheduled if needed.

The CIP will have its first public hearing on August 16, 2021 and the final CIP document will be prepared after the final workshop meeting and will be submitted to City Council prior to the second public hearing scheduled for August 30, 2021.

The information in the electronic document 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.

A recap of the overview information has also been provided in the front of the CIP document. This includes information on the City's CIP process, 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 2022 – 2026 CIP is to be reviewed by City Council during workshops scheduled during the month of August. Any modifications made as a result of the workshops will be incorporated into the final five-year CIP document prior to the second reading.



CIP Presentation

- Summary
- Proposed Projects
- Resources
- Administration
- Facilities
- Fleet
- Parks
- Police
- Sanitary Sewer
- Stormwater
- Technology
- Transportation – Mobility - Bicycles and Pedestrian
- Transportation – Bridges and Culverts
- Transportation – Streets and Parking
- Water System

Council Questions/Discussion



2022 - 2026

Proposed

Capital Improvements

Program





2022-2026 Proposed Capital Improvements Program

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6	Fleet
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1-Summary



CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

PROJECT DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
	SUMMARY								
Administration - Capital Allocations	\$1,850	\$3,435	\$2,220	\$2,520	\$2,700	\$2,700	\$13,575	\$0	\$13,575
Total - ADMINISTRATION	1,850	3,435	2,220	2,520	2,700	2,700	\$13,575	\$0	\$13,575
City Facilities - Capital Maintenance	680	1,260	1,695	590	140	140	\$3,825	\$0	\$3,825
City Facilities - Capital Enhancements / New Capital Infrastructure	4,600	40	0	1,530	0	0	\$1,570	\$5,390	\$6,960
Total - CITY FACILITIES	5,280	1,300	1,695	2,120	140	140	\$5,395	\$5,390	\$10,785
City-Wide Fleet - Capital Maintenance	1,140	1,570	985	1,070	1,035	1,035	\$5,695	\$0	\$5,695
City-Wide Fleet - Capital Enhancements / New Capital Infrastructure	0	155	0	60	0	65	\$280	\$0	\$280
Total - CITY-WIDE FLEET	1,140	1,725	985	1,130	1,035	1,100	\$5,975	\$0	\$5,975
Parks - Capital Maintenance	1,055	935	1,205	1,055	1,055	1,055	\$5,305	\$300	\$5,605
Parks - Capital Enhancements / New Capital Infrastructure	8,145	1,065	2,655	2,925	5,350	80	\$12,075	\$20,940	\$33,015
Total - PARKS	9,200	2,000	3,860	3,980	6,405	1,135	\$17,380	\$21,240	\$38,620
Police - Capital Maintenance	95	55	60	260	10	310	\$695	\$0	\$695
Police - Capital Enhancements / New Capital Infrastructure	120	120	595	500	1,250	0	\$2,465	\$975	\$3,440
Total - POLICE	215	175	655	760	1,260	310	\$3,160	\$975	\$4,135
Utilities - Sanitary Sewer - Capital Maintenance	550	1,750	570	1,750	590	1,750	\$6,410	\$2,110	\$8,520
Utilities - Sanitary Sewer - Capital Enhancements / New Capital Infrastructure	3,625	2,275	4,020	5,200	4,375	1,845	\$17,715	\$6,710	\$24,425
Total - UTILITIES - SANITARY SEWER	4,175	4,025	4,590	6,950	4,965	3,595	\$24,125	\$8,820	\$32,945
Utilities - Stormwater - Capital Maintenance	475	400	300	400	300	400	\$1,800	\$475	\$2,275
Utilities - Stormwater - Capital Enhancements / New Capital Infrastructure	500	330	110	420	85	420	\$1,365	\$500	\$1,865
Total - UTILITIES - STORMWATER	975	730	410	820	385	820	\$3,165	\$975	\$4,140
Computer Hardware / Software / Fiber - Capital Maintenance	860	695	790	750	750	750	\$3,735	\$1,400	\$5,135
Computer Hardware / Software / Fiber - Capital Enhancements / New Capital Infrastructure	1,015	25,375	930	730	730	730	\$28,495	\$460	\$28,955
Total - COMPUTER HARDWARE / SOFTWARE / FIBER	1,875	26,070	1,720	1,480	1,480	1,480	\$32,230	\$460	\$34,090
Transportation - Mobility - Bicycle and Pedestrian - Capital Maintenance	665	650	805	795	675	800	\$3,725	\$615	\$4,340
Transportation - Mobility - Bicycle and Pedestrian - Capital Enhancements / New Capital Infrastructure	1,610	2,685	2,160	1,010	710	720	\$7,285	\$10,050	\$17,335
Total - TRANSPORTATION - BICYCLE AND PEDESTRIAN	2,275	3,335	2,965	1,805	1,385	1,520	\$11,010	\$10,665	\$21,675
Transportation - Bridges and Culvert - Capital Maintenance	2,270	2,130	1,770	1,230	1,010	970	\$7,110	\$970	\$8,080
Transportation - Bridges and Culvert - Capital Enhancements / New Capital Infrastructure	310	225	250	0	0	0	\$475	\$42,915	\$43,390
Total - TRANSPORTATION - BRIDGES AND CULVERTS	2,580	2,355	2,020	1,230	1,010	970	\$7,585	\$43,885	\$51,470
Transportation - Streets and Parking - Capital Maintenance	8,120	7,445	8,225	8,320	8,826	9,037	\$41,853	\$9,630	\$51,483
Transportation - Streets and Parking - Capital Enhancements / New Capital Infrastructure	25,040	43,530	11,385	4,655	6,700	13,340	\$79,610	\$113,375	\$192,985
Total - TRANSPORTATION - STREETS AND PARKING	33,160	50,975	19,610	12,975	15,526	22,377	\$121,463	\$123,005	\$244,468
Utilities - Water - Capital Maintenance	120	915	70	0	0	0	\$985	\$0	\$985
Utilities - Water - Capital Enhancements / New Capital Infrastructure	75	1,150	600	925	1,270	1,855	\$5,800	\$2,065	\$7,865
Total - UTILITIES - WATER	195	2,065	670	925	1,270	1,855	\$6,785	\$2,065	\$8,850
TOTALS:									
Capital Maintenance	16,030	17,805	16,475	16,220	14,391	16,247	\$81,138	\$14,100	\$95,238
Capital Allocations	1,850	3,435	2,220	2,520	2,700	2,700	\$13,575	\$0	\$13,575
Capital Enhancements / New Capital Infrastructure	45,040	76,950	22,705	17,955	20,470	19,055	\$157,135	\$203,380	\$360,515
TOTAL PROJECT BUDGET	\$62,920	\$98,190	\$41,400	\$36,695	\$37,561	\$38,002	\$251,848	\$217,480	\$469,328
Advances		4,500	2,000	0	0	0	\$6,500	\$0	\$6,500
GRAND TOTAL	\$62,920	\$102,690	\$43,400	\$36,695	\$37,561	\$38,002	\$258,348	\$217,480	\$475,828

2-Proposed Funded Projects



Recap of Recommended Projects, Available Resources

	2022	2023	2024	2025	2026	Total 2022 - 2026
Section 4 - ADMINISTRATION						
Land Acquisition	\$ 2,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 7,250,000
Annual Allocation for Contingencies	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Allocation for Water Extensions	\$ 115,000	\$ 80,000	\$ 380,000	\$ 395,000	\$ 250,000	\$ 1,220,000
Allocation for Sewer Extensions	\$ 820,000	\$ 640,000	\$ 640,000	\$ 805,000	\$ 950,000	\$ 3,855,000
	\$ 3,435,000	\$ 2,220,000	\$ 2,520,000	\$ 2,700,000	\$ 2,700,000	\$ 13,575,000
ADMINISTRATION: TOTAL PROJECTS	\$ 3,435,000	\$ 2,220,000	\$ 2,520,000	\$ 2,700,000	\$ 2,700,000	\$ 13,575,000
Section 5 - FACILITIES						
MAINTENANCE						
Dublin Arts Council - Elevator	\$ -	\$ -	\$ 140,000	\$ -	\$ -	\$ 140,000
Fleet Maintenance Building	\$ -	\$ 900,000	\$ -	\$ -	\$ -	\$ 900,000
CNG Facility	\$ 90,000	\$ 30,000	\$ -	\$ -	\$ -	\$ 120,000
Justice Center	\$ 620,000	\$ 465,000	\$ -	\$ -	\$ -	\$ 1,085,000
Service Center	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000
Parks	\$ 65,000	\$ 40,000	\$ 40,000	\$ 30,000	\$ 30,000	\$ 205,000
DCRC	\$ 150,000	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ 450,000
Shier Rings Historic House Reno	\$ 230,000	\$ -	\$ -	\$ -	\$ -	\$ 230,000
Small In-House House Reno	\$ 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	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ 225,000
Painting/Patching Walls (as needed)	\$ 10,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 70,000
Less: Hotel/Motel Tax Fund (DAC Elevator)	\$ -	\$ -	\$ (140,000)	\$ -	\$ -	\$ (140,000)
	\$ 1,260,000	\$ 1,695,000	\$ 450,000	\$ 140,000	\$ 140,000	\$ 3,685,000
RENOVATIONS/IMPROVEMENTS						
Security Gates - Service Center	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 40,000
Golf Club of Dublin Maintenance Building / Cart Barn	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Salt Barns (2)	\$ -	\$ -	\$ 1,030,000	\$ -	\$ -	\$ 1,030,000
	\$ 40,000	\$ -	\$ 1,530,000	\$ -	\$ -	\$ 1,570,000
FACILITIES: TOTAL PROJECTS	\$ 1,300,000	\$ 1,695,000	\$ 2,120,000	\$ 140,000	\$ 140,000	\$ 5,395,000
Section 6 - FLEET						
MAINTENANCE						
Vehicle Replacement	\$ 1,145,000	\$ 870,000	\$ 825,000	\$ 850,000	\$ 850,000	\$ 4,540,000
Equipment Replacement	\$ 425,000	\$ 115,000	\$ 245,000	\$ 185,000	\$ 185,000	\$ 1,155,000
	\$ 1,570,000	\$ 985,000	\$ 1,070,000	\$ 1,035,000	\$ 1,035,000	\$ 5,695,000
NEW (ADDITIONS TO THE FLEET)						
Vehicles	\$ 60,000	\$ -	\$ 60,000	\$ -	\$ 65,000	\$ 185,000
Equipment	\$ 95,000	\$ -	\$ -	\$ -	\$ -	\$ 95,000
	\$ 155,000	\$ -	\$ 60,000	\$ -	\$ 65,000	\$ 280,000
FLEET: TOTAL PROJECTS	\$ 1,725,000	\$ 985,000	\$ 1,130,000	\$ 1,035,000	\$ 1,100,000	\$ 5,975,000
Section 7 - PARKS						
MAINTENANCE						
Park Maintenance	\$ 915,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 5,075,000
Public Art Maintenance	\$ 20,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 80,000
ML "Red" Trabue	\$ -	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000
Less: Hotel/Motel Tax Fund (Public Art Maintenance)	\$ (20,000)	\$ (15,000)	\$ (15,000)	\$ (15,000)	\$ (15,000)	\$ (80,000)
	\$ 915,000	\$ 1,190,000	\$ 1,040,000	\$ 1,040,000	\$ 1,040,000	\$ 5,225,000
RENOVATIONS/IMPROVEMENTS						
DAC Site Renovations	\$ 475,000	\$ -	\$ -	\$ -	\$ -	\$ 475,000
Ferris-Wright Park	\$ -	\$ 50,000	\$ -	\$ 50,000	\$ 80,000	\$ 180,000
Riverside Crossing Park	\$ -	\$ -	\$ 975,000	\$ 5,300,000	\$ -	\$ 6,275,000
John Shields Parkway Greenway (TIF)	\$ -	\$ 500,000	\$ 1,425,000	\$ -	\$ -	\$ 1,925,000
West Bridge Street/161 Streetscape	\$ 50,000	\$ 625,000	\$ 275,000	\$ -	\$ -	\$ 950,000
Emerald Parkway Streetscape Enhancement (TIF)	\$ -	\$ 80,000	\$ 250,000	\$ -	\$ -	\$ 330,000
South High Street Streetscape Enhancements	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ 400,000
NEW - Historic Cemetery Harris-Brown	\$ 70,000	\$ 450,000	\$ -	\$ -	\$ -	\$ 520,000
NEW - Darree Fields Park Enhancements	\$ 70,000	\$ 550,000	\$ -	\$ -	\$ -	\$ 620,000
NEW - Kiwanis Riverway Park Improvements	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000
Less: Hotel/Motel Tax Fund (DAC Site Renovations)	\$ (115,000)	\$ -	\$ -	\$ -	\$ -	\$ (115,000)
Less: Unfunded Amount (DAC Site Renovations)	\$ (360,000)	\$ -	\$ -	\$ -	\$ -	\$ (360,000)
Less: Debt (Riverside Crossing Park)	\$ -	\$ -	\$ -	\$ (5,300,000)	\$ -	\$ (5,300,000)
Less: Thomas Kohler TIF (Emerald Pkwy Streetscape Enhancement)	\$ -	\$ (80,000)	\$ (250,000)	\$ -	\$ -	\$ (330,000)
Less: Vrible TIF (JSP Greenway)	\$ -	\$ (250,000)	\$ -	\$ -	\$ -	\$ (250,000)
Less: Tuller TIF (JSP Greenway)	\$ -	\$ (250,000)	\$ (1,425,000)	\$ -	\$ -	\$ (1,675,000)
	\$ 590,000	\$ 2,075,000	\$ 1,250,000	\$ 50,000	\$ 80,000	\$ 4,045,000
PARKS: TOTAL PROJECTS	\$ 2,000,000	\$ 3,860,000	\$ 3,980,000	\$ 6,405,000	\$ 1,135,000	\$ 17,380,000
Section 8 - POLICE						
MAINTENANCE						
Replacement Lasers	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ 10,000
Replacement Radars	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ 10,000
Delaware Tactical Unit (DTU) Equipment	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ 10,000
Replacement/Upgrade Tasers	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000
Replacement Ballistic Shields	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ 35,000
Replacement Speed Trailers	\$ -	\$ 15,000	\$ -	\$ -	\$ -	\$ 15,000
NEW - Replacement Automated Fingerprint Live Scan Capture Station	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ 40,000
NEW - Replacement/Changeover Firearms	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ 125,000
NEW - Replacement/Changeover Body Cameras	\$ -	\$ -	\$ -	\$ -	\$ 185,000	\$ 185,000
NEW - Property Drying Cabinet	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ 15,000
	\$ 55,000	\$ 60,000	\$ 260,000	\$ 10,000	\$ 310,000	\$ 695,000



Recap of Recommended Projects, Available Resources

	2022	2023	2024	2025	2026	Total 2022 - 2026
NEW ENHANCEMENTS/EQUIPMENT						
Automatic License Plate Readers	\$ -	\$ 120,000	\$ -	\$ -	\$ -	\$ 120,000
Unarmed Aerial Vehicle (UAV)	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ 120,000
NEW - Portable/Mobile Public Safety Radio Upgrades	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000
NEW - Portable/Mobile Public Service Radio Upgrades	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000
NEW - Back-up Communications Center Equipment	\$ -	\$ 475,000	\$ -	\$ -	\$ -	\$ 475,000
NEW - CAD/RMS/MFR Replacement	\$ -	\$ -	\$ -	\$ 1,250,000	\$ -	\$ 1,250,000
Less: Contribution of NRECC Partners	\$ -	\$ (325,000)	\$ -	\$ (550,000)	\$ -	\$ (875,000)
	\$ 120,000	\$ 270,000	\$ 500,000	\$ 700,000	\$ -	\$ 1,590,000
POLICE: TOTAL PROJECTS	\$ 175,000	\$ 655,000	\$ 760,000	\$ 1,260,000	\$ 310,000	\$ 3,160,000

Section 9 - SANITARY SEWER

MAINTENANCE						
Sewer Lining & Repair	\$ 1,500,000	\$ -	\$ 1,500,000	\$ -	\$ 1,500,000	\$ 4,500,000
Annual Sanitary Sewer Maintenance Program	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Manhole Rehabs	\$ -	\$ 320,000	\$ -	\$ 340,000	\$ -	\$ 660,000
Less: Debt	\$ (1,500,000)	\$ -	\$ (1,500,000)	\$ -	\$ (1,500,000)	\$ (4,500,000)
Less: Sewer Fund	\$ (250,000)	\$ (570,000)	\$ (250,000)	\$ (590,000)	\$ (250,000)	\$ (1,910,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

NEW ENHANCEMENTS/INFRASTRUCTURE

Sewer Extensions - Areas 3A, 3B, 3C, 8A & 15	\$ 350,000	\$ 2,935,000	\$ -	\$ -	\$ -	\$ 3,285,000
Sewer Extensions - Areas 2A, 2B & 2C	\$ -	\$ -	\$ 275,000	\$ 2,070,000	\$ -	\$ 2,345,000
Sewer Extensions - Area 9	\$ -	\$ -	\$ -	\$ 45,000	\$ 280,000	\$ 325,000
NEW - Sewer Extensions - Area 10B	\$ -	\$ -	\$ -	\$ 115,000	\$ 620,000	\$ 735,000
Sanitary Sewer Extensions - Area 1B - Sanitary Sewer	\$ 960,000	\$ -	\$ -	\$ -	\$ -	\$ 960,000
Sanitary Sewer Extensions - Area 1B - Roadway	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000
Sanitary Sewer Extensions - Area 15	\$ 65,000	\$ -	\$ -	\$ -	\$ -	\$ 65,000
Sewer Line Extensions - Area 10A	\$ -	\$ -	\$ -	\$ 105,000	\$ 945,000	\$ 1,050,000
Deer Run - Avery Road Relief Sewer	\$ -	\$ -	\$ 590,000	\$ 2,040,000	\$ -	\$ 2,630,000
Deer Run - Glick Road Relief Sewer	\$ -	\$ 1,085,000	\$ 4,335,000	\$ -	\$ -	\$ 5,420,000
Less: Sewer Debt	\$ (960,000)	\$ (4,020,000)	\$ (4,925,000)	\$ (4,110,000)	\$ (1,845,000)	\$ (15,860,000)
Less: Sewer Fund	\$ (415,000)	\$ -	\$ (275,000)	\$ (265,000)	\$ -	\$ (955,000)
	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000
SANITARY SEWER: TOTAL PROJECTS	\$ 4,025,000	\$ 4,590,000	\$ 6,950,000	\$ 4,965,000	\$ 3,595,000	\$ 24,125,000

Section 10 - STORMWATER

MAINTENANCE						
Annual Stormwater Maintenance	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
Waterway Maintenance Program (Ditch Maintenance)	\$ 100,000	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 300,000
Annual Storm Structure Program	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
Pond Aerator Systems	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
	\$ 400,000	\$ 300,000	\$ 400,000	\$ 300,000	\$ 400,000	\$ 1,800,000

NEW ENHANCEMENTS/INFRASTRUCTURE

NEW - Stormwater Grant Pilot Program	\$ 30,000	\$ 30,000	\$ -	\$ -	\$ -	\$ 60,000
Allocation for Various Stormwater Improvements	\$ 300,000	\$ 80,000	\$ 420,000	\$ 85,000	\$ 420,000	\$ 1,305,000
	\$ 330,000	\$ 110,000	\$ 420,000	\$ 85,000	\$ 420,000	\$ 1,365,000
STORMWATER: TOTAL PROJECTS	\$ 730,000	\$ 410,000	\$ 820,000	\$ 385,000	\$ 820,000	\$ 3,165,000

Section 11 - TECHNOLOGY

Information Technology Operations	\$ 695,000	\$ 790,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,735,000
NEW - Core Switch Replacements	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
NEW - Replacement Back-up Appliances	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
NEW - New Firewalls	\$ 275,000	\$ -	\$ -	\$ -	\$ -	\$ 275,000
NEW - Security Appliances	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
GIS - Geographic Information System	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 550,000
Data Platform	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 750,000
Connected Dublin / US COG 33	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,500,000
Connected Dublin -Connected Vehicles Systems Infrastructure	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Fiber Optic Enhancements and Traffic Fiber	\$ 390,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 120,000	\$ 870,000
NEW - Dublin Fiber Extension - Shier Rings/Cosgray	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000
NEW - Dublin Fiber Extension - Bridge Park	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ 400,000
NEW - Fiber to Home	\$ 23,000,000	\$ -	\$ -	\$ -	\$ -	\$ 23,000,000
Less: Debt Financing - Funded by user fees or special assessments	\$ (23,000,000)	\$ -	\$ -	\$ -	\$ -	\$ (23,000,000)
	\$ 3,070,000	\$ 1,720,000	\$ 1,480,000	\$ 1,480,000	\$ 1,480,000	\$ 9,230,000
TECHNOLOGY: TOTAL PROJECTS	\$ 26,070,000	\$ 1,720,000	\$ 1,480,000	\$ 1,480,000	\$ 1,480,000	\$ 32,230,000



Recap of Recommended Projects, Available Resources

	2022	2023	2024	2025	2026	Total 2022 - 2026
Section 12 - TRANSPORTATION - MOBILITY						
MAINTENANCE						
Annual Shared Use Path Maintenance	\$ 275,000	\$ 555,000	\$ 420,000	\$ 425,000	\$ 425,000	\$ 2,100,000
Annual Sidewalk Program	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Downtown Dublin Brick Sidewalk Maintenance	\$ 125,000	\$ -	\$ 125,000	\$ -	\$ 125,000	\$ 375,000
	\$ 650,000	\$ 805,000	\$ 795,000	\$ 675,000	\$ 800,000	\$ 3,725,000
NEW ENHANCEMENTS/INFRASTRUCTURE - BICYCLES AND PEDESTRIANS						
Perimeter Drive: Avery-Muirfield to Holt Road Sidewalk (TIF)	\$ 950,000	\$ -	\$ -	\$ -	\$ -	\$ 950,000
Shier Rings Road: Eiterman to Cosgray SUP	\$ -	\$ 50,000	\$ 80,000	\$ 330,000	\$ -	\$ 460,000
Riverside Drive West Shared Use Path	\$ 95,000	\$ 405,000	\$ -	\$ -	\$ -	\$ 500,000
Dublin Center Drive Shared Use Path (TIF)	\$ 25,000	\$ 30,000	\$ 165,000	\$ -	\$ -	\$ 220,000
Avery Road Sidewalk Connection (Hyland Drive to Tara Hill)	\$ -	\$ -	\$ -	\$ 80,000	\$ 300,000	\$ 380,000
Dublin Road: Frantz Road to Limestone Ridge	\$ 370,000	\$ 120,000	\$ -	\$ -	\$ -	\$ 490,000
Bright Road Improvements	\$ -	\$ -	\$ 180,000	\$ -	\$ -	\$ 180,000
Shier Rings Road: Avery Road to Emerald Parkway	\$ -	\$ -	\$ -	\$ -	\$ 90,000	\$ 90,000
University Boulevard Shared-Use Path, phase 2	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ 450,000
NEW - Blazer Parkway Sidewalk Improvement	\$ -	\$ -	\$ -	\$ 100,000	\$ 50,000	\$ 150,000
NEW - Memorial Drive Connector	\$ -	\$ 10,000	\$ 90,000	\$ -	\$ -	\$ 100,000
NEW - Din Eidyn Drive Path Connection - Glick to Lenwick Drive	\$ 20,000	\$ 115,000	\$ -	\$ -	\$ -	\$ 135,000
NEW - Muirfield Drive at Sells Mill Drive - Pedestrian Crossing Improvement	\$ 50,000	\$ 60,000	\$ 295,000	\$ -	\$ -	\$ 405,000
Less: Shamrock Crossing TIF (Dublin Center Drive SUP)	\$ (25,000)	\$ (30,000)	\$ (155,000)	\$ -	\$ -	\$ (210,000)
Less: Perimeter Center TIF (Perimeter Dr. SUP)	\$ (950,000)	\$ -	\$ -	\$ -	\$ -	\$ (950,000)
	\$ 985,000	\$ 760,000	\$ 655,000	\$ 510,000	\$ 440,000	\$ 3,350,000
NEW ENHANCEMENTS/INFRASTRUCTURE - MOBILITY						
Dublin Connection - Micro-transit (Operated by SHARE)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Mobility Priority Area - Shared Micro-mobility (Bike Share and Scooters)	\$ 360,000	\$ 250,000	\$ 100,000	\$ 100,000	\$ 180,000	\$ 990,000
NEW - Autonomous Shuttle Circulator	\$ 125,000	\$ 550,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 825,000
NEW - COTA Bus Shelters	\$ 65,000	\$ 200,000	\$ -	\$ -	\$ -	\$ 265,000
NEW - Mobility Priority Areas - Mobility Hubs Pilot	\$ 125,000	\$ 320,000	\$ -	\$ -	\$ -	\$ 445,000
NEW - Neighborhood Mobility Program	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Less: Partnership funding for Autonomous Shuttle Circulator	\$ (125,000)	\$ (550,000)	\$ -	\$ -	\$ -	\$ (675,000)
	\$ 600,000	\$ 820,000	\$ 200,000	\$ 200,000	\$ 280,000	\$ 2,100,000
TRANSPORTATION - BICYCLES & PEDESTRIANS & MOBILITY: TOTAL PROJECTS	\$ 3,335,000	\$ 2,965,000	\$ 1,805,000	\$ 1,385,000	\$ 1,520,000	\$ 11,010,000
Section 13 - TRANSPORTATION - BRIDGES & CULVERTS						
MAINTENANCE						
Annual Vehicular Bridge Maintenance	\$ 1,625,000	\$ 1,005,000	\$ 900,000	\$ 575,000	\$ 575,000	\$ 4,680,000
Annual Pedestrian Tunnel Maintenance	\$ 70,000	\$ 480,000	\$ 5,000	\$ 35,000	\$ 15,000	\$ 605,000
Concrete Sealing Maintenance	\$ -	\$ 70,000	\$ -	\$ 70,000	\$ -	\$ 140,000
Annual Culvert Maintenance	\$ 170,000	\$ 15,000	\$ 105,000	\$ 15,000	\$ 75,000	\$ 380,000
Annual Pedestrian Bridge Maintenance	\$ 245,000	\$ 180,000	\$ 190,000	\$ 225,000	\$ 265,000	\$ 1,105,000
NEW - Dublin Link Bridge Maintenance	\$ 20,000	\$ 20,000	\$ 30,000	\$ 90,000	\$ 40,000	\$ 200,000
	\$ 2,130,000	\$ 1,770,000	\$ 1,230,000	\$ 1,010,000	\$ 970,000	\$ 7,110,000
NEW ENHANCEMENTS/INFRASTRUCTURE						
Tuller Road to Emerald Parkway Over 270 Crossing (TIF)	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ 225,000
NEW - Crossing Over 270 - Shier Rings Road to Metro Place	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
	\$ 225,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 475,000
TRANSPORTATION - BRIDGES & CULVERTS: TOTAL PROJECTS	\$ 2,355,000	\$ 2,020,000	\$ 1,230,000	\$ 1,010,000	\$ 970,000	\$ 7,585,000
Section 14 - TRANSPORTATION - STREETS & PARKING						
MAINTENANCE						
Annual Street Maintenance Program	\$ 6,200,000	\$ 6,950,000	\$ 7,130,000	\$ 7,486,000	\$ 7,852,000	\$ 35,618,000
Annual Guardrail Replacement & Maintenance	\$ 160,000	\$ 245,000	\$ 170,000	\$ 130,000	\$ 155,000	\$ 860,000
Annual Parking Lot Maintenance	\$ 110,000	\$ 80,000	\$ 165,000	\$ 155,000	\$ 75,000	\$ 585,000
Annual Retaining Wall & Decorative Wall Maintenance	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
Annual Pavement Preventive Maintenance	\$ 500,000	\$ 550,000	\$ 625,000	\$ 680,000	\$ 705,000	\$ 3,060,000
Traffic Signal/Electric Infrastructure Maintenance Program	\$ 75,000	\$ 200,000	\$ 180,000	\$ 175,000	\$ 200,000	\$ 830,000
Hayden Run Wall and Fence Repair	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Downtown Brick Paver Maintenance	\$ -	\$ 150,000	\$ -	\$ 150,000	\$ -	\$ 300,000
NEW - Hawk's Nest Retaining Wall	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Less: Street Maintenance & Repair Fund (Add'l Gas Tax Revenue)	\$ -	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)	\$ (1,000,000)	\$ (4,000,000)
	\$ 7,445,000	\$ 7,225,000	\$ 7,320,000	\$ 7,826,000	\$ 8,037,000	\$ 37,853,000



Recap of Recommended Projects, Available Resources

	2022	2023	2024	2025	2026	Total 2022 - 2026
NEW ENHANCEMENTS/INFRASTRUCTURE						
Eiterman Road Relocation (in conjunction with pending OU Dev)	\$ 1,805,000	\$ 4,120,000	\$ -	\$ -	\$ -	\$ 5,925,000
Less: West Innovation TIF (459)	\$ (1,805,000)	\$ (4,120,000)	\$ -	\$ -	\$ -	\$ (5,925,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Perimeter Widening - Holt Road to Commerce Parkway	\$ -	\$ 185,000	\$ -	\$ -	\$ -	\$ 185,000
Less: Perimeter Center TIF (425)	\$ -	\$ (185,000)	\$ -	\$ -	\$ -	\$ (185,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
River Forest Storm and Roadway Improvements	\$ -	\$ 1,800,000	\$ -	\$ -	\$ -	\$ 1,800,000
Sawmill Road - Snouffer Road Intersection Improvements	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000
US33/161/Post Road	\$ 34,060,000	\$ -	\$ -	\$ -	\$ -	\$ 34,060,000
Less: Union County Contribution	\$ (1,000,000)	\$ -	\$ -	\$ -	\$ -	\$ (1,000,000)
Less: Developer Contribution (OSU - \$1.25 million already in Fund Balance Calc)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less: Developer Contribution (FedEx)(Union County)	\$ (1,500,000)	\$ -	\$ -	\$ -	\$ -	\$ (1,500,000)
Less: ODOT - 6	\$ (880,000)	\$ -	\$ -	\$ -	\$ -	\$ (880,000)
Less: MORPC Attributable Funds	\$ (10,000,000)	\$ -	\$ -	\$ -	\$ -	\$ (10,000,000)
Less: TRAC 2016 Funds	\$ (7,000,000)	\$ -	\$ -	\$ -	\$ -	\$ (7,000,000)
Less: TRAC 2019 Funds	\$ (4,250,000)	\$ -	\$ -	\$ -	\$ -	\$ (4,250,000)
Less: Union County Contribution (additional, tentative)	\$ (2,500,000)	\$ -	\$ -	\$ -	\$ -	\$ (2,500,000)
Less: West Innovation TIF (459)	\$ (2,600,000)	\$ -	\$ -	\$ -	\$ -	\$ (2,600,000)
Less: Perimeter Center TIF (425)	\$ (4,330,000)	\$ -	\$ -	\$ -	\$ -	\$ (4,330,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hyland Croy/Post Preserve Intersection Improvements	\$ 300,000	\$ 1,840,000	\$ -	\$ -	\$ -	\$ 2,140,000
Less: Perimeter West TIF (431)	\$ (300,000)	\$ (1,840,000)	\$ -	\$ -	\$ -	\$ (2,140,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Post Preserve Access Modification	\$ 1,630,000	\$ -	\$ -	\$ -	\$ -	\$ 1,630,000
Less: Perimeter Center TIF (425)	\$ (1,630,000)	\$ -	\$ -	\$ -	\$ -	\$ (1,630,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hyland Croy/McKittrick Roundabout	\$ 300,000	\$ 2,185,000	\$ -	\$ -	\$ -	\$ 2,485,000
Riverside Dr/Summit View Road Intersection and Shared Use Path	\$ -	\$ -	\$ 250,000	\$ 60,000	\$ 1,960,000	\$ 2,270,000
Cosgray and Rings Road Intersection Improvements	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000
Franklin Street Improvements - Waterford Drive to Sells Alley	\$ 755,000	\$ -	\$ -	\$ -	\$ -	\$ 755,000
NEW - South High Street Utility Burial, phase 2	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000
Hyland-Croy Road Corridor Improvements	\$ 150,000	\$ -	\$ 1,300,000	\$ 3,340,000	\$ 10,830,000	\$ 15,620,000
Less: Unfunded Portion (100%)	\$ -	\$ -	\$ (1,300,000)	\$ (3,340,000)	\$ (10,830,000)	\$ (15,470,000)
Less: Perimeter West TIF (431)	\$ (150,000)	\$ -	\$ -	\$ -	\$ -	\$ (150,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Franklin Street Extension	\$ 2,730,000	\$ -	\$ -	\$ -	\$ -	\$ 2,730,000
Emerald Parkway at Emerald Parkway Campus Improvements	\$ -	\$ 250,000	\$ 2,350,000	\$ -	\$ -	\$ 2,600,000
Less: Unfunded Portion (100%)	\$ -	\$ (250,000)	\$ (2,350,000)	\$ -	\$ -	\$ (2,600,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Frantz Road Alternative Transportation Lane	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Shier Rings Road and Eiterman Road Roundabout	\$ -	\$ 155,000	\$ 155,000	\$ 1,235,000	\$ -	\$ 1,545,000
NEW - Rings Road Improvements - phase 1 (Churchman to Royal Dublin)	\$ -	\$ 275,000	\$ 150,000	\$ 2,000,000	\$ -	\$ 2,425,000
NEW - Post Preserve Blvd Connection Removal	\$ 50,000	\$ 300,000	\$ -	\$ -	\$ -	\$ 350,000
NEW - 161/Riverside Drive Curb Modification	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000
NEW - Street Light - Churchman Road at Ballantrae Woods Place	\$ -	\$ -	\$ -	\$ 15,000	\$ 50,000	\$ 65,000
NEW - Street Lighting Improvements and Maintenance - Historic Dublin/Tuller Rd	\$ -	\$ 75,000	\$ 250,000	\$ -	\$ -	\$ 325,000
PARKING						
Smart Parking Infrastructure	\$ 300,000	\$ 200,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 650,000
NEW - Parking Garage Occupancy Improvements	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TRANSPORTATION - STREETS & PARKING: TOTAL PROJECTS	\$ 50,975,000	\$ 19,610,000	\$ 12,975,000	\$ 15,526,000	\$ 22,377,000	\$ 121,463,000



Recap of Recommended Projects, Available Resources

	2022	2023	2024	2025	2026	Total 2022 - 2026
Section 15 - WATER						
MAINTENANCE						
Tartan West Water Tank Re-Painting	\$ 390,000	\$ -	\$ -	\$ -	\$ -	\$ 390,000
NEW - Tartan West and Post Road Booster Station Upgrade	\$ 525,000	\$ -	\$ -	\$ -	\$ -	\$ 525,000
NEW - Water Booster Stations - Minor Upgrades	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ 70,000
Less: Water Fund Debt	\$ (525,000)	\$ -	\$ -	\$ -	\$ -	\$ (525,000)
Less: Water Fund	\$ (390,000)	\$ (70,000)	\$ -	\$ -	\$ -	\$ (460,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NEW ENHANCEMENTS/INFRASTRUCTURE						
Waterline Replacement	\$ 600,000	\$ 80,000	\$ 625,000	\$ 85,000	\$ 650,000	\$ 2,040,000
Water Extensions - Area 3A	\$ 80,000	\$ 520,000	\$ -	\$ -	\$ -	\$ 600,000
Water Extensions - Area 8A	\$ 470,000	\$ -	\$ -	\$ -	\$ -	\$ 470,000
Water Extensions - Areas 2B & 2C	\$ -	\$ -	\$ 300,000	\$ 945,000	\$ -	\$ 1,245,000
Water Extensions - Area 9	\$ -	\$ -	\$ -	\$ 110,000	\$ 705,000	\$ 815,000
Water Extensions - Area 10B	\$ -	\$ -	\$ -	\$ 40,000	\$ 165,000	\$ 205,000
Water Extensions - Area 10A	\$ -	\$ -	\$ -	\$ 90,000	\$ 335,000	\$ 425,000
Less: Water Fund Debt	\$ (1,070,000)	\$ (520,000)	\$ (625,000)	\$ (945,000)	\$ (1,855,000)	\$ (5,015,000)
Less: Water Fund	\$ (80,000)	\$ (80,000)	\$ (300,000)	\$ (325,000)	\$ -	\$ (785,000)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WATER: TOTAL PROJECTS	\$ 2,065,000	\$ 670,000	\$ 925,000	\$ 1,270,000	\$ 1,855,000	\$ 6,785,000

Section 16 - ADVANCES						
Perimeter Center TIF - Post Road/161/33 Interchange	\$ 1,900,000	\$ -	\$ -	\$ -	\$ -	\$ 1,900,000
West Innovation TIF - Post Road/161/33 Interchange	\$ 2,600,000	\$ -	\$ -	\$ -	\$ -	\$ 2,600,000
West Innovation TIF - Eiterman Road Relocation (OU development)	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000
ADVANCES TO TIF FUNDS	\$ 4,500,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 6,500,000

Resources Available

Beginning Capital Improvement Fund Balance	\$ 16,900,000	\$ 5,648,145	\$ 173,795	\$ 1,616,836	\$ 4,379,301	\$ 28,718,076
Income Taxes - Cash Allocation	\$ 9,200,000	\$ 9,199,115	\$ 9,291,106	\$ 9,384,017	\$ 9,477,857	\$ 46,552,094
Income Taxes - Surplus from Allocation for Debt	\$ 7,445,145	\$ 7,303,535	\$ 7,433,936	\$ 7,146,448	\$ 7,304,853	\$ 36,633,917
Property Tax Revenue (Inside Millage - 1.4 mills)	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 20,900,000
Transfer from General Fund (from Reserve per Policy)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Earning	\$ 425,000	\$ 425,000	\$ 425,000	\$ 425,000	\$ 425,000	\$ 2,125,000
Repayment of Advances to Capital Improvement Tax Fund	\$ 2,458,000	\$ 2,663,000	\$ 2,298,000	\$ 2,748,000	\$ 2,345,000	\$ 12,512,000
Total Resources	\$ 40,608,145	\$ 29,418,795	\$ 23,801,836	\$ 25,500,301	\$ 28,112,011	\$ 147,441,088
Total Requests (Not Funded Through TIFs/Debt/Enterprise/Other Revenue)	\$ 34,960,000	\$ 29,245,000	\$ 22,185,000	\$ 21,121,000	\$ 20,707,000	\$ 128,218,000
Balance	\$ 5,648,145	\$ 173,795	\$ 1,616,836	\$ 4,379,301	\$ 7,405,011	\$ 19,223,088
Total Proposed Funded Projects	\$ 98,190,000	\$ 41,400,000	\$ 36,695,000	\$ 37,561,000	\$ 38,002,000	\$ 251,848,000

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

3-Resources



CAPITAL IMPROVEMENTS PROGRAM RESOURCES

Description	2022	2023	2024	2025	2026	Total
General Fund:						
Transfer	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Improvements Tax Fund:						
Reserves	\$ 16,900,000	\$ 5,648,145	\$ 173,795	\$ 1,616,836	\$ 4,379,301	\$ 28,718,076
Interest income	\$ 425,000	\$ 425,000	\$ 425,000	\$ 425,000	\$ 425,000	\$ 2,125,000
Income tax revenue:						
Income tax-cash capital allocation	\$ 9,200,000	\$ 9,199,115	\$ 9,291,106	\$ 9,384,017	\$ 9,477,857	\$ 46,552,094
Income tax-surplus from debt allocation	\$ 7,445,145	\$ 7,303,535	\$ 7,433,936	\$ 7,146,448	\$ 7,304,853	\$ 36,633,917
Property tax revenue:						
Capital Improvements Tax Fund	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 20,900,000
Parkland Acquisition Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Advance Repayment						
Repayment of outstanding advances	\$ 2,458,000	\$ 2,663,000	\$ 2,298,000	\$ 2,748,000	\$ 2,345,000	\$ 12,512,000
TIF Funds:						
Existing balances and service payments						
Vrable TIF	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
Tuller TIF	\$ -	\$ 250,000	\$ 1,425,000	\$ -	\$ -	\$ 1,675,000
Shamrock Crossing TIF	\$ 25,000	\$ 30,000	\$ 155,000	\$ -	\$ -	\$ 210,000
West Innovation TIF	\$ 4,405,000	\$ 4,120,000	\$ -	\$ -	\$ -	\$ 8,525,000
Perimeter Center TIF	\$ 6,910,000	\$ 185,000	\$ -	\$ -	\$ -	\$ 7,095,000
Thomas/Kohler TIF	\$ -	\$ 80,000	\$ 250,000	\$ -	\$ -	\$ 330,000
Perimeter West TIF	\$ 450,000	\$ 1,840,000	\$ -	\$ -	\$ -	\$ 2,290,000
Debt:						
Income tax repayment	\$ -	\$ -	\$ -	\$ 5,300,000	\$ -	\$ 5,300,000
User Fee/Special Assessments	\$ 23,000,000	\$ -	\$ -	\$ -	\$ -	\$ 23,000,000
Water Fund repayment	\$ 1,595,000	\$ 520,000	\$ 625,000	\$ 945,000	\$ 1,855,000	\$ 5,540,000
Sewer Fund repayment	\$ 2,460,000	\$ 4,020,000	\$ 6,425,000	\$ 4,110,000	\$ 3,345,000	\$ 20,360,000
Other Funds:						
Hotel/Motel Tax Fund	\$ 135,000	\$ 15,000	\$ 155,000	\$ 15,000	\$ 15,000	\$ 335,000
Street Maintenance & Repair Fund	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 4,000,000
Enterprise Funds						
Water Fund	\$ 470,000	\$ 150,000	\$ 300,000	\$ 325,000	\$ -	\$ 1,245,000
Sewer Fund	\$ 665,000	\$ 570,000	\$ 525,000	\$ 855,000	\$ 250,000	\$ 2,865,000
Other sources:						
Grant Revenue	\$ 22,130,000	\$ 325,000	\$ -	\$ 550,000	\$ -	\$ 23,005,000
Other Revenue	\$ 5,125,000	\$ 550,000	\$ -	\$ -	\$ -	\$ 5,675,000
Unfunded Portion	\$ 360,000	\$ 250,000	\$ 3,650,000	\$ 3,340,000	\$ 10,830,000	\$ 18,430,000
Total Resources	\$ 108,338,145	\$ 43,573,795	\$ 38,311,836	\$ 41,940,301	\$ 45,407,011	\$ 277,571,088
Total Proposed Projects	\$ 98,190,000	\$ 41,400,000	\$ 36,695,000	\$ 37,561,000	\$ 38,002,000	\$ 251,848,000
Difference between Resources and Proposed Funded Projects	\$ 10,148,145	\$ 2,173,795	\$ 1,616,836	\$ 4,379,301	\$ 7,405,011	\$ 25,723,088



Estimated Resources Available For Capital Projects

(Excluding utilities)

Projected Capital Improvement Tax Fund Reserves

2022	\$16,900,000	
2023	5,648,145	
2024	173,795	
2025	1,616,836	
2026	<u>4,379,301</u>	
		\$ 28,718,076

Projected Property Tax Revenue

2022	\$4,180,000	
2023	4,180,000	
2024	4,180,000	
2025	4,180,000	
2026	<u>4,180,000</u>	
		\$ 20,900,000

Projected Income Tax Revenue - Cash Allocation

2022	\$9,200,000	
2023	9,199,115	
2024	9,291,106	
2025	9,384,017	
2026	<u>9,477,857</u>	
		\$ 46,552,094

Projected Transfer from the General Fund per Fund Balance Policy

2022	\$0	
2023	0	
2024	0	
2025	0	
2026	<u>0</u>	
		\$ -

Projected Income Tax Revenue - Surplus from Debt Allocation

2022	\$7,445,145	
2023	7,303,535	
2024	7,433,936	
2025	7,146,448	
2026	<u>7,304,853</u>	
		\$ 36,633,917

Projected Repayment of Advances to Capital Improvement Tax Fund

2022	\$2,458,000	
2023	2,663,000	
2024	2,298,000	
2025	2,748,000	
2026	<u>2,345,000</u>	
		\$ 12,512,000

Estimated Interest Income

2022	\$425,000	
2023	425,000	
2024	425,000	
2025	425,000	
2026	<u>425,000</u>	
		\$ 2,125,000

Total Estimated Resources

\$ 147,441,088



INCOME TAX REVENUE

	2021	2022	2023	2024	2025	2026
Income Tax Revenue*	\$ 90,178,557	\$ 92,000,000	\$ 91,991,146	\$ 92,911,057	\$ 93,840,168	\$ 94,778,570
Revenue for capital projects (25% of income tax revenue)	22,544,639	23,000,000	\$ 22,997,787	\$ 23,227,764	\$ 23,460,042	\$ 23,694,642
¹ Revenue available for cash capital projects	9,017,856	9,200,000	\$ 9,199,115	\$ 9,291,106	\$ 9,384,017	\$ 9,477,857
² Revenue available for debt financed projects	13,526,784	13,800,000	\$ 13,798,672	\$ 13,936,659	\$ 14,076,025	\$ 14,216,785

Year	Change
2022	2.02%
2023	-0.01%
2024	1.00%
2025	1.00%
2026	1.00%

¹ 40% of the 25% designated for capital improvements is further designated for cash capital projects pursuant to the City of Dublin Debt Policy.

² 60% of the 25% designated for capital improvements is further designated to retire debt issued for capital projects pursuant to the City of Dublin Debt Policy.



**DEBT SERVICE PAYMENTS DUE
(Income Tax Supported Debt)**

Debt Issue	2022	2023	2024	2025	2026
Service Complex expansion (2021)	\$ -	\$ -	\$ -	\$ -	\$ -
LED street lighting (2022)	\$ 265,200	\$ -	\$ -	\$ -	\$ -
Swimming Pool Construction (2025)	\$ 211,503	\$ 209,505	\$ 208,041	\$ 211,195	\$ -
Dublin Road/Glick Road Improvements (OPWC)	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 12,500
Justice Center Addition (2035)	\$ 781,369	\$ 779,619	\$ 781,869	\$ 782,869	\$ 782,619
Service Center Expansion (2037)	\$ 245,100	\$ 242,400	\$ 244,700	\$ 245,500	\$ 246,150
Historic District High Street/Pedestrian Bridge (2037)	\$ 2,013,750	\$ 2,011,650	\$ 2,014,150	\$ 2,014,650	\$ 2,014,100
Riverside Drive Park (2038)	\$ 136,619	\$ 134,994	\$ 138,044	\$ 135,944	\$ 137,444
Riverside Crossing Park (2040)	\$ 647,602	\$ 943,350	\$ 941,700	\$ 939,600	\$ 942,050
Dublin Community Pool North (2040)	\$ 278,194	\$ 401,350	\$ 404,300	\$ 401,950	\$ 404,450
Riverside Crossing Park (2041) (If Debt Funded)	\$ 456,000	\$ 456,000	\$ 456,000	\$ 456,000	\$ 456,000
Subtotal of Existing Income Tax Supported Debt	\$ 5,060,336	\$ 5,203,868	\$ 5,213,804	\$ 5,212,708	\$ 4,995,313
Reserve for TIF Supported Debt					
I270/US33/SR161 Interchange (ROW/Construction)	\$ -	\$ -	\$ -	\$ -	\$ -
BSD Land Acquisitions for Roundabout	\$ -	\$ -	\$ -	\$ -	\$ 194,500
Riverside Dr. Realignment/Roundabout/Riverside Park (2035)	\$ -	\$ -	\$ -	\$ -	\$ -
CML Library Parking Deck and Roads (2038)	\$ 1,294,519	\$ 1,291,269	\$ 1,288,919	\$ 1,292,869	\$ 1,298,119
Subtotal Reserve for TIF Supported Debt	\$ 1,294,519	\$ 1,291,269	\$ 1,288,919	\$ 1,292,869	\$ 1,492,619
Proposed New Debt					
Riverside Crossing Park (2044)	\$ -	\$ -	\$ -	\$ 424,000	\$ 424,000
Subtotal Proposed New Debt	\$ -	\$ -	\$ -	\$ 424,000	\$ 424,000
Income tax revenue available for debt retirement	\$ 13,800,000	\$ 13,798,672	\$ 13,936,659	\$ 14,076,025	\$ 14,216,785
Balance available ¹	\$ 7,445,145	\$ 7,303,535	\$ 7,433,936	\$ 7,146,448	\$ 7,304,853
Amount of additional debt that could be supported ²					
	\$ 75,814,310	\$ 74,045,849	\$ 75,503,374	\$ 77,035,571	\$ 78,839,686

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

¹ Funding not needed for debt service is utilized to fund cash basis projects.

² The City's debt policy stipulates that for the purposes of calculating debt capacity, only 90% of the amount reserved for debt service may be programmed.

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

Highlighted rows indicate anticipated future debt.



DEBT SERVICE PAYMENTS DUE
(Debt Supported by Sources Other Than Income Tax)

Debt Issue	2022	2023	2024	2025	2026
Service Payments					
Industrial Parkway/SR 161 improvements	\$ 653,744	\$ 653,744	\$ 653,144	\$ 657,094	\$ 649,750
Emerald Parkway-Phase 8 (2033)	\$ 481,825	\$ 482,075	\$ 482,025	\$ 481,675	\$ 481,025
I-270/US 33/SR 161 Interchange-ROW (2023)	\$ 1,033,750	\$ 1,034,800	\$ -	\$ -	\$ -
I-270/US 33/SR 161 Interchange-Construction (2034)	\$ 1,033,963	\$ 1,006,174	\$ 977,545	\$ 948,050	\$ 917,664
BSD Land Acquisition for Roundabout (2019/2033)	\$ 392,650	\$ 389,700	\$ 391,600	\$ 393,200	\$ 394,500
Riverside Dr. Realignment/Roundabout/Riverside Park (2035)	\$ 1,842,125	\$ 1,845,875	\$ 1,841,875	\$ 1,845,375	\$ 1,845,875
Bridge Park Roadway Network (2035)	\$ 843,581	\$ 845,081	\$ 840,331	\$ 844,581	\$ 842,331
Bridge Park Parking Structures - Tax Exempt (2044)	\$ 718,231	\$ 718,231	\$ 718,231	\$ 718,231	\$ 718,231
Bridge Park Parking Structures - Taxable (2035)	\$ 1,347,683	\$ 1,348,683	\$ 1,347,683	\$ 1,349,683	\$ 1,349,433
John Shields Parkway Phase II (2036)	\$ 628,750	\$ 631,900	\$ 629,600	\$ 632,800	\$ 630,200
CML Library Parking Deck and Roads (2038)	\$ 1,519,519	\$ 1,516,269	\$ 1,513,919	\$ 1,517,869	\$ 1,523,119
	\$ 10,495,821	\$ 10,472,532	\$ 9,395,953	\$ 9,388,558	\$ 9,352,128
Water and Sewer Funds					
Darree Fields Water Tower (2029)	\$ 137,100	\$ 138,950	\$ 139,550	\$ 136,100	\$ 137,506
Dublin Road Water Tower (2032)	\$ 159,613	\$ 160,513	\$ 156,913	\$ 158,238	\$ 159,413
Sewer Line Repairs (2029)	\$ 150,513	\$ 152,063	\$ 152,263	\$ 153,513	\$ 154,450
Sewer Line Repairs (2032)	\$ 168,000	\$ 168,725	\$ 169,900	\$ 170,925	\$ 171,800
Sewer System Improvements (2035)	\$ 186,669	\$ 186,419	\$ 185,919	\$ 185,169	\$ 184,169
Sewer System Improvements/Extensions (2037)	\$ 101,100	\$ 100,000	\$ 103,900	\$ 102,100	\$ 100,300
Sewer System Improvements/Extensions (2038)	\$ 105,138	\$ 108,888	\$ 107,238	\$ 105,588	\$ 102,838
Sewer System Improvements/Extensions (2040)	\$ 278,489	\$ 401,350	\$ 404,300	\$ 401,950	\$ 404,450
Sewer System Improvements/Extensions (2040)	\$ 148,000	\$ 148,000	\$ 148,000	\$ 148,000	\$ 148,000
Sewer System Improvements/Extensions (2041)	\$ 196,800	\$ 196,800	\$ 196,800	\$ 196,800	\$ 196,800
Sewer System Improvements/Extensions (2042)	\$ -	\$ 321,600	\$ 321,600	\$ 321,600	\$ 321,600
Sewer System Improvements/Extensions (2043)	\$ -	\$ -	\$ 514,000	\$ 514,000	\$ 514,000
Sewer System Improvements/Extensions (2044)	\$ -	\$ -	\$ -	\$ 328,800	\$ 328,800
Sewer System Improvements/Extensions (2045)	\$ -	\$ -	\$ -	\$ -	\$ 267,600
Water System Improvements/Extensions (2041)	\$ 127,600	\$ 127,600	\$ 127,600	\$ 127,600	\$ 127,600
Water System Improvements/Extensions (2042)	\$ -	\$ 41,600	\$ 41,600	\$ 41,600	\$ 41,600
Water System Improvements/Extensions (2043)	\$ -	\$ -	\$ 50,000	\$ 50,000	\$ 50,000
Water System Improvements/Extensions (2044)	\$ -	\$ -	\$ -	\$ 75,600	\$ 75,600
Water System Improvements/Extensions (2045)	\$ -	\$ -	\$ -	\$ -	\$ 148,400
	\$ 1,759,021	\$ 2,252,507	\$ 3,310,382	\$ 3,708,382	\$ 4,125,725
Other Fees/Special Assessments					
Fiber to Home	\$ 1,840,000	\$ 1,840,000	\$ 1,840,000	\$ 1,840,000	\$ 1,840,000
	\$ 1,840,000	\$ 1,840,000	\$ 1,840,000	\$ 1,840,000	\$ 1,840,000
Total - Non-Income Tax Supported Debt	\$ 14,094,842	\$ 14,565,039	\$ 14,546,335	\$ 14,936,940	\$ 15,317,853

Highlighted rows indicate anticipated future debt.

Estimated debt service obligations are based on 20 year bonds at 5% and level payments.



Debt Proceeds

Proposed Project	2022	2023	2024	2025	2026
<u>Long-Term Bonds-Retired by Income Taxes</u>					
Riverside Crossing Park - Promenade	-	-	-	5,300,000	-
Total - Retired by Income Taxes	\$ -	\$ -	\$ -	\$ 5,300,000	\$ -
<u>Long-Term Bonds-Retired by Other Revenues</u>					
Fiber to Home	23,000,000	-	-	-	-
Total - Retired by Other Revenues	\$ 23,000,000	\$ -	\$ -	\$ -	\$ -
<u>Long-Term Bonds-Retired by Sewer Revenues</u>					
Sewer Lining & Repair	1,500,000	-	1,500,000	-	1,500,000
Sanitary Sewer Extensions - Area 1B - Sanitary Sewer	960,000	-	-	-	-
Sewer Extensions - Areas 3A, 3B, 3C, 8A & 15	-	2,935,000	-	-	-
Deer Run - Glick Road Relief Sewer	-	1,085,000	4,335,000	-	-
Deer Run - Avery Road Relief Sewer	-	-	590,000	2,040,000	-
Sewer Extensions - Areas 2A, 2B & 2C	-	-	-	2,070,000	-
Sewer Extensions - Area 9	-	-	-	-	280,000
Sewer Extensions - Area 10B	-	-	-	-	620,000
Sewer Line Extensions - Area 10A	-	-	-	-	945,000
Total - Retired by Sewer Revenues	\$ 2,460,000	\$ 4,020,000	\$ 6,425,000	\$ 4,110,000	\$ 3,345,000
<u>Long-Term Bonds-Retired by Water Revenues</u>					
Tartan West and Post Road Booster Station Upgrade	525,000	-	-	-	-
Waterline Replacement	600,000	-	625,000	-	650,000
Water Extensions - Area 8A	470,000	-	-	-	-
Water Extensions - Area 3A	-	520,000	-	-	-
Water Extensions - Areas 2B & 2C	-	-	-	945,000	-
Water Extensions - Area 9	-	-	-	-	705,000
Water Extensions - Area 10B	-	-	-	-	165,000
Water Extensions - Area 10A	-	-	-	-	335,000
Total - Retired by Water Revenues	\$ 1,595,000	\$ 520,000	\$ 625,000	\$ 945,000	\$ 1,855,000



Property Tax Revenue-Inside Millage

Millage 1.75
 Assessed value \$2,390,000,000

Current distribution-

Parkland Acquisition Fund 0 mills

Capital Improvements Tax Fund 1.75 mills

Funding allocation	2022	2023	2024	2025	2026
Parkland Acquisition Fund	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Improvements Tax Fund	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000
Total	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000	\$ 4,180,000



Schedule of Service Payments to be Repaid from TIF Districts

	Balance as of 12/31/21	2022 Advances Repaid	Balance as of 12/31/22	2023 Advances Repaid	Balance as of 12/31/23	2024 Advances Repaid	Balance as of 12/31/24	2025 Advances Repaid	Balance as of 12/31/25	2026 Advances Repaid
Due to Capital Improvement Tax Fund (401)										
Bridge & High	\$ 3,347,150	\$ -	\$ 3,347,150	\$ -	\$ 3,347,150	\$ -	\$ 3,347,150	\$ -	\$ 3,347,150	\$ -
Bridge Street	\$ 13,125,000	\$ -	\$ 13,125,000	\$ -	\$ 13,125,000	\$ -	\$ 13,125,000	\$ -	\$ 13,125,000	\$ -
Emerald 5	\$ 1,095,340	\$ -	\$ 1,095,340	\$ -	\$ 1,095,340	\$ -	\$ 1,095,340	\$ -	\$ 1,095,340	\$ -
Irelan Place	\$ 12,000	\$ 3,000	\$ 9,000	\$ 3,000	\$ 6,000	\$ 3,000	\$ 3,000	\$ 3,000	\$ -	\$ -
Lifetime	\$ 2,150,000	\$ -	\$ 2,150,000	\$ -	\$ 2,150,000	\$ -	\$ 2,150,000	\$ -	\$ 2,150,000	\$ -
Perimeter Loop	\$ 449,200	\$ 30,000	\$ 419,200	\$ 45,000	\$ 374,200	\$ 45,000	\$ 329,200	\$ 45,000	\$ 284,200	\$ 45,000
Rings/Frantz	\$ 2,588,638	\$ 500,000	\$ 2,088,638	\$ 500,000	\$ 1,588,638	\$ 500,000	\$ 1,088,638	\$ 500,000	\$ 588,638	\$ 500,000
River Ridge	\$ 1,343,000	\$ -	\$ 1,343,000	\$ -	\$ 1,343,000	\$ -	\$ 1,343,000	\$ -	\$ 1,343,000	\$ -
Shamrock Blvd.	\$ 1,427,500	\$ 75,000	\$ 1,352,500	\$ 50,000	\$ 1,302,500	\$ 50,000	\$ 1,252,500	\$ 50,000	\$ 1,202,500	\$ 50,000
Shamrock Crossing	\$ 487,900	\$ 50,000	\$ 437,900	\$ -	\$ 437,900	\$ -	\$ 437,900	\$ -	\$ 437,900	\$ -
Tartan West	\$ 5,893,875	\$ 600,000	\$ 5,293,875	\$ 600,000	\$ 4,693,875	\$ 600,000	\$ 4,093,875	\$ 600,000	\$ 3,493,875	\$ 950,000
Thomas Kohler	\$ 1,415,000	\$ 800,000	\$ 615,000	\$ 615,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
West Innovation	\$ 2,000,000	\$ -	\$ 2,000,000	\$ 500,000	\$ 1,500,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ -	\$ -
Frantz/Dublin Road	\$ 428,560	\$ -	\$ 428,560	\$ -	\$ 428,560	\$ -	\$ 428,560	\$ -	\$ 428,560	\$ -
Pizutti	\$ 1,950,000	\$ -	\$ 1,950,000	\$ -	\$ 1,950,000	\$ -	\$ 1,950,000	\$ -	\$ 1,950,000	\$ -
Perimter Center	\$ -	\$ -	\$ 1,900,000	\$ -	\$ 1,900,000	\$ -	\$ 1,900,000	\$ 500,000	\$ 1,400,000	\$ 500,000
OU	\$ 1,011,000	\$ -	\$ 1,011,000	\$ -	\$ 1,011,000	\$ -	\$ 1,011,000	\$ -	\$ 1,011,000	\$ -
County Permissive	\$ 1,700,000	\$ 200,000	\$ 1,500,000	\$ 150,000	\$ 1,350,000	\$ 150,000	\$ 1,200,000	\$ 100,000	\$ 1,100,000	\$ 100,000
State Highway	\$ 1,300,000	\$ 200,000	\$ 1,100,000	\$ 200,000	\$ 900,000	\$ 200,000	\$ 700,000	\$ 200,000	\$ 500,000	\$ 200,000
Capital Construction Fund	\$ 2,055,200	\$ -	\$ 2,055,200	\$ -	\$ 2,055,200	\$ -	\$ 2,055,200	\$ -	\$ 2,055,200	\$ -
Total Due to Capital Improvement Tax Fund	\$ 43,779,363	\$ 2,458,000	\$ 43,221,363	\$ 2,663,000	\$ 40,558,363	\$ 2,298,000	\$ 38,260,363	\$ 2,748,000	\$ 35,512,363	\$ 2,345,000



WATER FUND

STATEMENT OF PROJECTED REVENUE, EXPENSE, AND FUND BALANCE

	2022	2023	2024	2025	2026
Assumptions:					
Annual Fee Increases:	3.0%	3.0%	3.0%	3.0%	3.0%
Service Level Increases:	1.0%	1.0%	1.0%	1.0%	1.0%
Interest Earnings:	2.0%	2.0%	2.0%	2.0%	2.0%
Revenues:					
Surcharge	688,834	689,852	716,388	717,446	745,043
Capacity Charges	277,750	280,528	283,333	286,166	289,028
Fire hydrant permits	3,500	3,500	3,500	3,500	3,500
Interest	248,094	242,717	236,981	235,707	236,709
Operating Revenues	1,218,178	1,216,597	1,240,202	1,242,820	1,274,280
Assumptions:					
Personal Services Increases:	3.0%	3.0%	3.0%	3.0%	3.0%
Contractual/Supplies Increases:	1.0%	1.0%	1.0%	1.0%	1.0%
Expenses:					
Personal Services - Engineering	88,203	90,850	93,575	96,382	99,274
Contractual Services - Engineering	230,591	232,897	235,225	237,578	239,954
Personal Services - Streets	174,816	180,061	185,463	191,027	196,757
Contractual Services - Streets	220,107	222,308	224,531	226,777	229,044
Supplies - Streets	14,559	14,704	14,851	15,000	15,150
Operating Expenditures	728,276	740,820	753,646	766,763	780,179
Capital expenditures	470,000	150,000	300,000	325,000	-
Debt service:					
2009 issue - Darree Fields Water Tower	137,100	138,950	139,550	136,100	136,100
2012 issue - Dublin Road Water Tower	159,613	160,513	156,913	158,238	158,238
Sewer System Improvements/Extensions (2041)	127,600	127,600	127,600	127,600	127,600
Sewer System Improvements/Extensions (2042)		41,600	41,600	41,600	41,600
Sewer System Improvements/Extensions (2043)			50,000	50,000	50,000
Sewer System Improvements/Extensions (2044)				75,600	75,600
Sewer System Improvements/Extensions (2045)					148,400
Debt Expenditures	424,313	468,663	515,663	589,138	737,538
Total Expenditures	1,622,589	1,359,483	1,569,309	1,680,901	1,517,717
Net cash (required) provided	(404,412)	(142,886)	(329,107)	(438,082)	(243,437)
Advances-out	-	-	-	-	-
Advances-in	-	-	-	-	-
Transfers-out	-	-	-	-	-
Transfers-in (Extension Design - Cap Imp Fund)	80,000	-	300,000	240,000	-
Transfers-in (Extension Construction - Cap Imp Fund)	37,600	79,200	79,200	154,800	251,200
Beginning balance	12,135,871	11,849,060	11,785,374	11,835,467	11,792,185
Ending balance	\$11,849,060	\$11,785,374	\$11,835,467	\$11,792,185	\$11,799,948



SEWER FUND

STATEMENT OF PROJECTED REVENUE, EXPENSES, AND FUND BALANCE

	2022	2023	2024	2025	2026
Assumptions:					
Annual Fee Increases:	4.0%	4.0%	4.0%	4.0%	4.0%
Service Level Increases:	1.2%	1.2%	1.2%	1.2%	1.2%
Interest Earnings:	2.0%	2.0%	2.0%	2.0%	2.0%
Revenues:					
User charges (Surcharge)	2,544,328	2,676,633	2,815,818	2,962,240	3,116,277
Tap fees (Capacity Charge)	303,600	307,243	310,930	314,661	318,437
Interest	119,874	121,490	117,088	110,780	96,656
Operating Revenues	2,967,802	3,105,366	3,243,836	3,387,681	3,531,369
Assumptions:					
Personal Services Increases:	3.0%	3.0%	3.0%	3.0%	3.0%
Contractual/Supplies Increases:	1.0%	1.0%	1.0%	1.0%	1.0%
Expenses:					
Personal Services - Engineering	135,279	137,985	140,744	143,559	143,559
Contractual Services - Engineering	414,019	422,300	430,746	439,361	439,361
Personal Services - Streets	775,038	790,539	806,349	822,476	822,476
Contractual Services - Streets	195,810	199,727	203,721	207,796	207,796
Supplies - Streets	42,228	43,073	43,934	44,813	44,813
Other	45,900	46,818	47,754	48,709	48,709
Operating Expenditures	1,608,274	1,640,440	1,673,249	1,706,714	1,706,714
Capital expenditures	665,000	570,000	525,000	855,000	250,000
Debt service:					
Sewer Line Repairs (2029)	150,513	152,063	152,263	153,513	154,450
Sewer Line Repairs (2032)	168,000	168,725	169,900	170,925	171,800
Sewer System Improvements (2035)	186,669	186,419	185,919	185,169	184,169
Sewer System Improvements (2037)	101,100	100,000	103,900	102,100	100,300
Sewer System Improvements (2038)	105,138	108,888	107,238	105,588	102,838
Sewer System Improvements (2040)	403,250	401,350	404,300	401,950	404,450
Sewer System Extension Area 1C (2041)	120,000	120,000	120,000	120,000	120,000
Sewer Lining & Repair (2041)	120,000	120,000	120,000	120,000	120,000
Sewer Lining & Repair (2043)			120,000	120,000	120,000
Sewer Lining & Repair (2045)				120,000	120,000
Deer Run - Avery Road Relief Sewer			47,200	210,400	210,400
Deer Run - Glick Road Relief Sewer		86,800	433,600	433,600	433,600
Sewer Extensions - Area 1 B	76,800	76,800	76,800	76,800	76,800
Sewer Extensions - 3A, 3B, 3C, 15 & 8A		234,800	234,800	234,800	234,800
Sewer Extensions - 2A, 2B & 2C				165,600	165,600
Sewer Extensions - 10A					75,600
Sewer Extensions - 9A					22,400
Sewer Extensions - 10B					49,600
Debt Expenditures	1,431,470	1,755,845	2,275,920	2,600,445	2,866,807
Total Expenditures	3,704,744	3,966,285	4,474,169	5,162,158	4,823,521
Net cash (required) provided	(736,944)	(860,920)	(1,230,333)	(1,774,477)	(1,292,151)
Transfers In (Extensions - Gen Fund)	-	-	-	-	-
Transfers-in (Extension Design - Cap Imp Fund)	415,000	-	275,000	265,000	
Transfers-in (Extension Construction - Cap Imp Fund)	402,751	640,826	639,913	803,276	948,751
Beginning balance	5,993,693	6,074,500	5,854,405	5,538,986	4,832,784
Ending balance	\$ 6,074,500	\$ 5,854,405	\$ 5,538,986	\$ 4,832,784	\$ 4,489,383



Intergovernmental Revenue

Description	2022	2023	2024	2025	2026
ODOT - 6	\$ 880,000	\$ -	\$ -	\$ -	\$ -
MORPC Attributable Funds	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -
TRAC 2016 Funds	\$ 7,000,000	\$ -	\$ -	\$ -	\$ -
TRAC 2019 Funds	\$ 4,250,000	\$ -	\$ -	\$ -	\$ -
NRECC Partners	\$ -	\$ 325,000	\$ -	\$ 550,000	\$ -
Total	\$ 22,130,000	\$ 325,000	\$ -	\$ 550,000	\$ -

4-Administration

 CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$000)	BEYOND 2026 (\$000)	TOTAL TO BE BUDGETED
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ADMINISTRATION

CAPITAL ALLOCATIONS

AL221	Land Acquisition	500	2,250	1,250	1,250	1,250	1,250	7,250	0	7,250
AL222	Parkland Acquisition	750	0	0	0	0	0	0	0	0
AA221	Contingencies	250	250	250	250	250	250	1,250	0	1,250
ES142	Allocation for Sanitary Sewer Extensions	350	820	640	640	805	950	3,855	0	3,855
EW141	Allocation for Water Extensions	0	115	80	380	395	250	1,220	0	1,220

2022-2026	TOTAL	1,850	3,435	2,220	2,520	2,700	2,700	13,575	0	13,575
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2021-2025	TOTAL - ADMINISTRATION	n/a	2,350	2,350	2,395	2,415	n/a
	\$\$ Difference	n/a	1,085	(130)	125	285	n/a
	% Difference	n/a	46.2%	-5.5%	5.2%	11.8%	n/a

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



ADMINISTRATION – CAPITAL ALLOCATIONS

AL221 Land Acquisition

Funding is allocated annually for potential land acquisitions. Funding allows the City to take advantage of opportunities that may develop over the course of the five-year Capital Improvements Program for economic development or preservation of land. Funding in the five-year program period has been increased to include funding previously programmed for parkland acquisition.

AL222 Parkland Acquisition

The amount programmed for parkland acquisition has been re-allocated to land acquisition. 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.

This allocation is reviewed and can be changed annually by City Council.

AA221 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.

ES142 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 are currently unserved. The design and construction of extensions will be prioritized, programmed, and implemented in accordance with the Public Water Utility and Sanitary Sewer Utility Extensions to Existing Developed Property Policy adopted by Dublin City Council on December 7, 2015.

EW141 Allocation for Water Extensions

This is an allocation that is programmed in each of the next five years to provide funding for water extensions to areas that are currently unserved. The design and construction of extensions will be prioritized, programmed, and implemented in accordance with the Public Water Utility and Sanitary Sewer Utility Extensions to Existing Developed Property Policy adopted by Dublin City Council on December 7, 2015.

5-Facilities

CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
CITY FACILITIES										
CAPITAL MAINTENANCE										
City-Wide Facilities										
AB221	Building Maintenance/Renovations	680	1,260	1,695	450	140	140	3,685	0	3,685
Dublin Arts Council - 7125 Riverside Drive										
AB222 (Broken-out from AB221)	Elevator	0	0	0	140	0	0	140	0	140
TOTAL		680	1,260	1,695	590	140	140	3,825	0	3,825
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE										
Golf Club of Dublin										
GR211 (Moved from Parks)	Maintenance Building	0	0	0	500	0	0	500	0	500
Fleet										
AB174	Salt Barns (2)	0	0	0	1,030	0	0	1,030	0	1,030
Service Center										
AB203	Security Gates	0	40	0	0	0	0	40	0	40
Justice Center										
AB061	Covered Parking	0	0	0	0	0	0	0	1,800	1,800
Dublin Community Recreation Center (DCRC)										
AB173	Pool Tile Replacement/Enhancement	0	0	0	0	0	0	0	240	240
AB205	DCRC Update	0	0	0	0	0	0	0	3,350	3,350
5200 Emerald Parkway - Development Building										
AB204	Building Renovations	100	0	0	0	0	0	0	0	0
5555 Perimeter Drive - Dublin Civic Campus										
AB194	City Hall and Council Chambers	4,500	0	0	0	0	0	0	0	0
TOTAL		4,600	40	0	1,530	0	0	1,570	5,390	6,960
2022-2026	TOTAL - CITY FACILITIES	5,280	1,300	1,695	2,120	140	140	5,395	5,390	10,785
2021-2025	TOTAL - CITY FACILITIES	n/a	580	1,385	1,310	620	n/a			
	\$\$ Difference	n/a	720	310	810	(480)	n/a			
	% Difference	n/a	124.1%	22.4%	61.8%	-77.4%	n/a			

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



FACILITIES

CAPITAL MAINTENANCE

Note: The Capital Improvement Tax Fund is the source of funding for all of the facilities projects unless otherwise noted.

AB221 Building Maintenance/Renovations

The amount requested for **2022** projects is broken down as follows:

Location	Description	Amount
Fleet Building	ANGI dual hose dispenser	\$90,000
Justice Center	Repairs to original building including windows, gutters, downspouts and roof and possible replacement of emergency generator	400,000
Service Center	Improvements to the lobby area: security enhancements for the receptionist, improved space utilization and handling of the "re-cycling" program	215,000
Parks	Soft top cover for amphitheater	25,000
	Parks Shelter House, Restrooms and Gazebo repairs	30,000
	Louis Rings Farmhouse (Golf Club of Dublin) renovations	230,000
Dublin Community Recreation Center (DCRC)	Replace AON rooftop units and update auto logic controls (on-going project completed in phases)	150,000
Various Citywide Maintenance and Renovations	Small in-house renovations	25,000
	HVAC and pump replacements	25,000
	Carpet and other flooring replacements	45,000
	Painting and patching walls as needed	25,000
Total (2022)		\$1,260,000

AB222 Dublin Art's Council – Elevator Renovation

Funding is programmed in 2024 to reface the elevator in the Dublin Art's Council facility located at 7125 Riverside Drive and owned by the City. The funding source for this project will be the Hotel/Motel Tax Fund.



FACILITIES CAPITAL ENHANCEMENTS /NEW CAPITAL INFRASTRUCTURE

GR211 Golf Club of Dublin Maintenance Building

This project provides for a separate maintenance building across from the current maintenance building located in the historical house on Shier Rings Road (5805 Eiterman Road) that is owned by the City. The historic house and barn located on the property are used by the Golf Club of Dublin for offices and maintenance purposes and will be re-located from the historic house. The project scope is currently under evaluation and may include an area for golf carts as well as office space/maintenance, and restrooms. The project is funded in 2024.

AB174 Salt Barns

The City currently has two 2,000 ton salt barns. This project would build storage with a capacity of 10 to 12 thousand tons. This capacity will ensure ample salt supplies during harsh winters. Construction is programmed in 2024. The type, number, and layout of structure(s) has yet to be determined. Small repairs are being made to the current structures to keep them operational. The barns are monitored for maintenance and the project will be re-evaluated as necessary.

AB203 Service Center Security Gates

This project provides funding for security gates for the rear Service Center parking lot and fuel island area. These gates were recommended by the City's Security Consultant. Funds are programmed in 2022 for this project.

AB061 Justice Center

The amount shown beyond the five-year program period is for a potential carport project to shelter patrol vehicles.

AB173 Dublin Community Recreation Center (DCRC) Pool Tile

Funds programmed beyond the five-year program period are for pool tile replacement to replace the original wall tile that matches with the current color palette. This will improve the overall aesthetics of the leisure and lap pools.

This project will require the indoor pools to be closed for a period of time beyond the normal 10-day shutdown. Sufficient time will be necessary to give public notice about the extended pool closure, and make any alternate plans if necessary.

Due to the cosmetic nature of this project, the work is reflected beyond the five-year program period and will be re-evaluated as funds become available.

AB205 Dublin Community Recreation Center (DCRC) Update

This project provides for an interior renovation to the DCRC. The facility has been in operation for more than 20 years with minimal cosmetic updates.

Funding programmed in 2020 provides for design costs. A portion of programming fees



collected will be designated toward funding this project. Construction is reflected beyond the five-year program period at the current time.

AB204 5200 Emerald Parkway – Development Building Renovations

Upon sale of the 5800 Building located on Shier Rings Road, the Development functions and staffing from that building were relocated to the building on Emerald Parkway. Funding was programmed in 2020 to provide for security, renovations to the annex lobby, and other necessary work to accommodate the relocated staff. Funding programmed in 2021 is for lobby renovation.

AB194 5555 Perimeter Drive – Dublin Civic Campus (Council Chambers Project)

In January 2018 (Ordinance #1-18), the City purchased the Delta Energy Building at 5555 Perimeter Drive to provide for a new civic complex. The property encompasses more than 2.5 acres. This acquisition provides a unique opportunity for the City to pursue the realization of the City’s 1997 and 2007 Community Plan for the area of Coffman Park and adjacent property to serve as Dublin’s civic/government center while also consolidating City operations.

Funding provides for the design and construction of a building addition at 5555 Perimeter Drive to accommodate a new Council Chambers, related offices, and additional meeting spaces. The intention is to provide a central location in the community that is convenient and easily accessible for residents and visitors.

Funding is programmed in 2020 for design and construction of this project with costs for the project partially off-set by the sale of the 5800 Shier Rings Road building. Bidding of the project is expected to be completed in May/June 2020, with an expected 12 month construction duration from approximately June 2020 through June 2021, with an opening date in late July 2021.



6-Fleet

CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
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FLEET

CAPITAL MAINTENANCE

AV221	Replacement Vehicles	735	1,145	870	825	850	850	4,540	0	5,200
AV223	Replacement Equipment	405	425	115	245	185	185	1,155	0	1,700
TOTAL		1,140	1,570	985	1,070	1,035	1,035	5,695	0	6,900

NEW CAPITAL ASSETS

AV221	New Vehicles	0	60	0	60	0	65	185	0	225
AV223	New Equipment	0	95	0	0	0	0	95	0	95
TOTAL		0	155	0	60	0	65	280	0	320

2022-2026	TOTAL - CITY-WIDE FLEET	1,140	1,725	985	1,130	1,035	1,100	5,975	0	7,220
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2021-2025	TOTAL - CITY-WIDE FLEET	n/a	1,365	985	1,115	1,035	n/a
	\$\$ Difference	n/a	360	0	15	0	n/a
	% Difference	n/a	26.4%	0.0%	1.3%	0.0%	n/a

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



FLEET MANAGEMENT PROGRAM CAPITAL MAINTENANCE AND NEW CAPITAL ASSETS

Note: The Capital Improvement Tax Fund is the source of funding for all of the fleet projects unless otherwise noted.

AV221 Replacement and New Vehicles

The Fleet Management Replacement Policy was implemented to provide replacement cycles for vehicles and equipment 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 are made by the Fleet Manager based on a physical evaluation of the vehicle and a 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 work towards City Council's goal of environmental sustainability.

The vehicle request for the five-year period includes:

Dept./Div.	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>
Replacement Vehicles:	\$1,145,000	\$870,000	\$825,000	\$850,000	\$850,000
New Vehicles:					
Police	60,000	0	60,000	0	65,000
Total	\$1,205,000	\$870,000	\$885,000	\$850,000	\$915,000



AV223 Replacements and New Equipment

The equipment request for the five-year period includes:

Dept./Div.	2022	2023	2024	2025	2026
Replacement Equipment:	\$425,000	\$115,000	\$245,000	\$185,000	\$185,000
New Equipment: Parks	95,000	0	0	0	0
Total	\$520,000	\$115,000	\$245,000	\$185,000	\$185,000

A breakdown of 2022 new and replacement equipment includes:

Parks Operations

- Replacement cemetery mowers
- Replacement zero turn mowers
- Replacement Forestry bandit chipper
- Replacement skid steer (leased)
- Replacement trailer
- Replacement gator
- New for Riverside Crossing Park:
 - Electric utility vehicles
 - Quiet vacuum
 - Pressure washer for utility vehicle

Streets Operations

- Replacement leaf vacuum - orange pull-behind
- Replacement mowers

7-Parks



CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
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PARKS & RECREATION

CAPITAL MAINTENANCE

AR221	Park Renovations / Rehabilitations	1,040	915	1,040	1,040	1,040	1,040	5,075	0	5,075
AB202	Public Art Maintenance	15	20	15	15	15	15	80	0	80
GR182	ML "Red" Trabue	175	0	150	0	0	0	150	300	450
TOTAL		1,055	935	1,205	1,055	1,055	1,055	5,305	300	5,605

CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

GR121	Dublin Arts Council Site Renovations	75	475	0	0	0	0	475	725	1,200
GR113	IGS Park (TIF)	0	0	0	0	0	0	0	300	300
GR992	Coffman Park Expansion	670	0	0	0	0	0	0	2,500	2,500
GR114	Ferris-Wright Park (Holder-Wright Farm and Earthworks)	0	0	50	0	50	80	180	1,955	2,135
GR133	Riverside Crossing Park	5,850	0	0	975	5,300	0	6,275	8,400	14,675
GR163	Tuller Flats (TIF)	0	0	0	0	0	0	0	460	460
GR172	John Shields Parkway Greenway (TIF)	0	0	500	1,425	0	0	1,925	0	1,925
GR190	West Bridge Street/161 - Streetscape Enhancements	0	50	625	275	0	0	950	0	950
GR191	Emerald Parkway - Streetscape Enhancements (TIF)	0	0	80	250	0	0	330	0	330
GR201	South High Street - Streetscape Enhancements	900	0	400	0	0	0	400	400	800
GR210	Historical Cabin Reconstruction	400	0	0	0	0	0	0	0	0
GR212	Emerald Fields - Bike Track	250	0	0	0	0	0	0	0	0
NEW	Harris-Brown Cemetery Improvements	0	70	450	0	0	0	520	0	520
NEW	Darree Fields Park Enhancements (Master Planning)	0	70	550	0	0	0	620	6,200	6,820
NEW	Kiwanis Riverway Park Improvements	0	400	0	0	0	0	400	0	400
TOTAL		8,145	1,065	2,655	2,925	5,350	80	12,075	20,940	33,015

2022-2026	TOTAL - PARKS & RECREATION	9,200	2,000	3,860	3,980	6,405	1,135	17,380	21,240	38,620
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2021-2025	TOTAL - PARKS & RECREATION	n/a	3,565	2,620	4,345	8,070	n/a
	\$\$ Difference	n/a	(1,565)	1,240	(365)	(1,665)	n/a
	% Difference	n/a	-43.9%	47.3%	-8.4%	-20.6%	n/a

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



PARKS CAPITAL MAINTENANCE

Note: The Capital Improvement Tax Fund is the source of funding for all of the parks projects unless otherwise noted.

AR221 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 2022:

<u>Location</u>	<u>Description</u>	<u>Amount</u>
Amberleigh Community Park	Playground replacement	\$290,000
Post Preserve	Playground replacement	200,000
Park Mill	Playground replacement	200,000
Llewelyn Farms Park	Tennis court resurfacing	30,000
Coffman Park West	Tennis court resurfacing and overlay	80,000
Avery Park	Ballfield lighting (field #6)	115,000
Total Request		<u><u>\$915,000</u></u>

AB202 Public Art Maintenance

This project provides for annual funding allocation for on-going maintenance, repairs and restoration of the many pieces of permanent public artwork owned by the City. Funding is provided for this project from the Hotel/Motel Tax Fund. Like all other infrastructure, the City’s large-scale artwork is in need of routine maintenance, occasional repairs, and full restoration to prolong its life.



Jack Nicklaus Tribute Sculpture (Muirfield Drive 1999)



Out of Bounds (Avery Park 1992)



Sculpture of Leatherlips (Scioto Park 1989)



Watch House and Circle Mound (Coffman Park 1998)



Daily Chores Sculpture (Dublin Historic District 2014)

GR182 ML "Red" Trabue Park

This project provides for design and repairs for park amenities. Funding provided in 2021 is for shop drawings and deck and structure replacements for the pond, boardwalk, and pier. Funding in 2023 is programmed to renovate the sensory garden, repair arbor structures, and benches.

Funding shown beyond the five-year program period would provide for new capital infrastructure such as a rentable arbor, lawn space, and restroom facilities for weddings and other programming occasions.



PARKS

CAPITAL ENHANCEMENTS /NEW CAPITAL INFRASTRUCTURE

GR121 Dublin Arts Council Site Renovations

Funding provides for grading to make the area more accessible, stone retaining walls, electrical, and rear plaza construction. Terracing at the rear of the building allows for better programming opportunities; stone retaining walls are associated with the grading work to add accessibility, electrical outlets within the grounds would be added for temporary art installations and programming.

Project design is programmed in 2021, with construction programmed in 2022. Funding for this project will be through the Hotel/Motel Tax Fund.

GR113 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 (EDA) with the City.

Funds reflected beyond the five-year program period are for a second internal bridge connecting IGS to the park, and providing for a picnic grove once the building expansion has been completed. These amenities will provide a park area for daytime residents to walk and picnic. Construction of this phase of the project is pending IGS building expansion per the EDA. The funding source for this project will be the Thomas/Kohler TIF.

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 in the Coffman Park expansion was acquired in 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.

Funding programmed in 2021 is for design and construction of light/WiFi poles in the south field of the Park to replace temporary wooden poles (installed in 2018). Also programmed in 2021 is the design of tennis courts, lighting, walks and landscape adjacent to the City’s Justice Center and skate park area. Construction of the tennis courts along with two platform



tennis courts, fencing, lighting, and landscape, and will finish the court complex by the Justice Center.

Funding reflected beyond the five-year period provides for the construction of the final phase of the court complex by the Justice Center, and also provides for an update to the Master Park Plan for the western side of the park near the area where the old Nyrop House once stood. The plan will re-envision this area of the park, and the amenities that fit the changing needs of the users. Construction of those amenities will be programmed once the plan is completed, approved, and funding is available.

GR114 Ferris-Wright Park (Holder-Wright Farm and Earthworks)

This park is situated on an archeological and historical site on Bright Road. The master plan for the Park is to preserve and showcase the ancient earthworks, farmhouse, and natural features that are a significant part of Dublin’s history. These prehistoric Hopewellian burial mounds and earthworks are considered to be one of the best examples of prehistoric community centers in the state. The other significant features of the site is the Holder-Wright farmhouse. The farmhouse is one of the few remaining examples in central Ohio of architecture from the early 1800s. Together these unique cultural resources provide a terrific interpretive and educational opportunity for residents and visitors.

Planned Park amenities include restroom facilities, parking lot with entry drive, utility extension, small pedestrian bridge, trail to visitor orientation center (old farmhouse), shared-use path from Emerald Parkway to



parking lot, and internal compacted gravel pedestrian paths. Artifact display cases, artifact replications, and educational materials are also programmed. The first phase of the Park opened in October 2019. Completion of the final phase of master plan includes a design study for the Ferris-Wright historic farm restoration in



2023, design for a plaza, picnic shelter and paths around the earthworks programmed in 2025 and 2026, and construction of those amenities is reflected beyond the five-year program period.



GR133 Riverside Crossing 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 architect/planning firm contracted for the project is MKSK. The East Plaza is planned as a center for activity and events, featuring a plaza landing, upper and lower terraces, pavilion building greenspace, seating areas, overlooks, promenade, water features and an interactive bouldering play area. The West Plaza landing connects the bridge and the heart of Historic Dublin. The west side of the park will accentuate the natural beauty of the riverbank, with connections to the Indian Run Greenway, water access and trail systems.

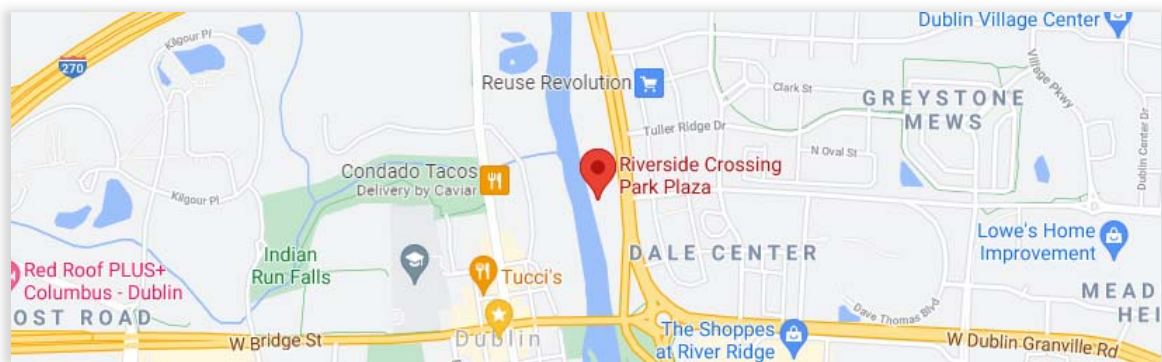
The park will ultimately link to other regional parks and recreational systems through potential bicycle/pedestrian facilities, and canoe/kayak access points. The two sides of the park

are linked by a pedestrian bridge (Dublin Link), with public plazas providing access to restaurants, shops, a new library, and the broader mix of destinations east and west.



The Dublin Link over the Scioto River is the only single-tower S-shaped suspension bridge in the world. Dublin Link was completed and opened in March 2020.

The park along the west side of the Scioto River is more than 19 acres, with 16 acres along the east side.



2021 - \$5,850,000 – Construction of the remaining east central open space, event lawn and retaining wall/stairs along Riverside Drive, west park path improvements, site stabilization and site restoration. Also included is design and construction of the east side boulder path



with river access, west side shared-use path (nature paths), west side sidewalks on North Riverview Street, and the west side masonry plaza wall and bridge.

2024 - \$975,000 - programmed for the design of the Promenade improvements along Riverside Drive.

2025 - \$5,300,000 – Construction of the Riverside Drive (east side) Promenade and Riverside Crossing Park West parking and river access path.

Design and construction of the remaining balance of the park improvements, including the Indian Run Connection, John Shields Parkway Plaza and East Bluff access path, are reflected outside of the five-year program period.



Riverside Crossing Park East Plaza, March 2021



Phases of this project have been funded through general obligation debt, with advances from the General Fund being made when needed to meet expenditures. Advances will be repaid with the bond proceeds. The Riverside Crossing Park master plan is a long term vision for the park, being developed in phases based on availability of funding.



Riverside Crossing Park East Plaza construction as of July 2021

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. Programming of the project will be driven by development (phase 2 Tuller Flats TIF revenue).

GR172 John Shields Parkway Greenway

This project provides for the construction of a highly visible greenway area along John Shields Parkway from Riverside Drive to Village Parkway. Specific greenway amenities have yet to be determined, but aesthetics will be highly important.

Construction of the greenway project programmed in 2023 includes altering the planting within the tree pits along John Shields Parkway to change the native planting type with a more formal planting type. 2024 programming includes a staff-designed greenway infrastructure that will provide a highly visible linear park area for the surrounding multi-family housing. The project is contingent on Phase 2 Tuller Flats TIF revenue.

GR190 West Bridge Street/ SR 161 – Streetscape Enhancements

This project provides funding for streetscape enhancements of one of the major gateways into the City of Dublin spanning West Bridge Street/SR 161 from the 270/33 interchange to Franklin Street.

Funding programmed in 2022 provides for structural engineering design for the Dublin Plaza multi-use path and retaining walls at the existing drainage





structure. Funding programmed in 2023 provides for construction of the retaining walls, multi-use path, and planting at the Dublin Plaza frontage. Funding planned in 2024 provides for the construction of additional streetscape planting enhancements and stone walls along West Bridge Street.

GR191 Emerald Parkway – Streetscape Enhancements

This project provides funding for streetscape enhancements along portions of Emerald Parkway, phase 8 (Rings Road to Post Road) to re-work tree plantings and replacement of some of the current plantings with color and texture that will enhance the visual aesthetics of the street’s character throughout the year.

Funding is reflected in 2023 is programmed to rework planting, and funding in 2024 is for construction to install streetscape enhancements. Enhancements will be completed as funding becomes available.

GR201 South High Street Streetscape Enhancements

This project provides for streetscape improvements along a portion of South High Street from Bridge Street to John Wright Lane pursuant to severe trimming completed by American Electric Power due to wire interference. The streetscape improvement project will be completed in phases. Improvements in 2021 include installation of new trees on the west side, installation of suspended pavement sections, and retaining walls along the southwest three blocks. Soil enhancements will also be made to improve the lifecycle of the trees and facilitate a better tree canopy. Funding provided in 2023 and beyond the five-year program period will include installation of the remaining balance of trees along South High Street on the east side.

GR210 Historical Cabin Reconstruction

This project provides funding for restoration and reconstruction of a 2-story historic cabin discovered underneath the drywall of a house located on Riverside Drive in 2017. The cabin is believed to date from the 1800’s, and has been tagged and in storage since the time it was dismantled. Once reconstructed, the cabin will be available for historical and educational purposes, and for the community to visit.

Funding is programmed for this project in 2021 from funding included in the State Capital Bill.

GR212 Emerald Fields – Bike Track

This project provides funding to purchase and set-up a modular pump track on a new pervious asphalt pad located in Avery Park. The pump track would be placed at Avery Park most of the year, but could be moved to different park locations as programmed. The modular track can be set-up in various configurations, and functions similarly for bike riders as the skate park does for skaters. Funding for this project is programmed in 2021.

NEW Harris-Brown Cemetery Improvements

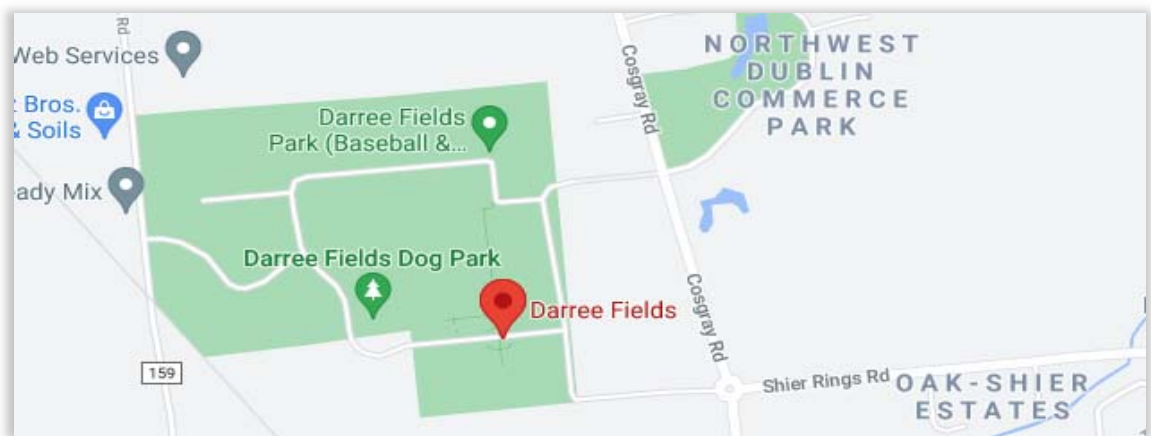
The Harris-Brown Cemetery is located just east of the new OSU Ambulatory Hospital site near US 33. This project provides for the design of the Harris-Brown Cemetery boundary



walls/fencing and cemetery marker. This was a State of Ohio Historic Preservation Office requirement attached to the Louis Rings Farm Historic Farm/House on Shier Rings Road. Design is planned in 2022 with construction programmed in 2023.

NEW **Darree Fields Park Enhancements**

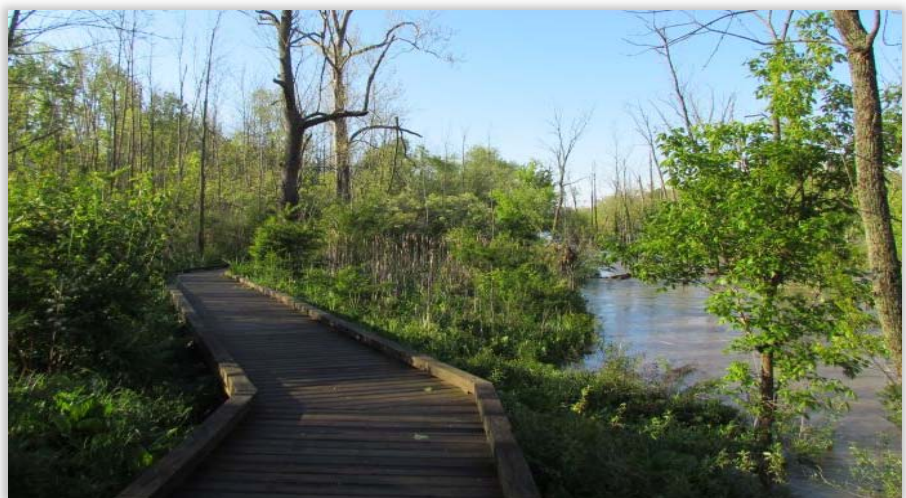
This project provides for a needed restroom facility near the softball fields in Darree Fields Park. This project has been requested by residents and users of the Park. Funding is programmed in 2022 for design of the facility. Construction of the restrooms and necessary utility work is programmed in 2023. Funding shown beyond the five-year program period is to provide additional multi-use field space for both soccer and cricket. Amenities include parking for new and existing field usage, and required storm water treatment for the new infrastructure.



NEW **Kiwanis Riverway Park Improvements**

This project provides for needed maintenance and improvements at Kiwanis Park in Dublin’s Historic District. The Park lies along the Scioto River and is a great place for walking and birding. The wooden boardwalk decking is in need of repairs and improvements. The project includes a structural engineering inspection and re-design. The wooden boardwalk will be demolished and replaced with a boardwalk made from a sustainable composite material. The project also includes elimination of invasive species, planting of native grasses, shrubs, and groundcover. Funding provides for inclusion of interpretive signage, and any necessary asphalt shared-use path repairs.

The project is funded in 2022.



8-Police



CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
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POLICE

CAPITAL MAINTENANCE

PP083	Replacement Lasers	10	0	10	0	0	0	10	0	10
PP084	Replacement Radars	0	0	0	10	0	0	10	0	10
PP168	Delaware Tactical Unit (DTU) Equipment	20	0	0	0	10	0	10	0	10
PP183	Replacement/Upgrade Tasers	0	0	0	250	0	0	250	0	250
PP191	Replacement Ballistic Shields	0	0	35	0	0	0	35	0	35
PP192	Replacement Speed Trailers	15	0	15	0	0	0	15	0	15
NEW	Replacement Automated Fingerprint (AFIS) Live Scan Capture Station	0	40	0	0	0	0	40	0	40
NEW	Replacement/Changeover Firearms	0	0	0	0	0	125	125	0	125
NEW	Replacement/Changeover Body Cameras	0	0	0	0	0	185	185	0	185
NEW	Property Drying Cabinet	0	15	0	0	0	0	15	0	15
TOTAL		45	55	60	260	10	310	695	0	695

CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

PP132	Automatic License Plate Readers	0	0	120	0	0	0	120	0	120
PP195	Unmanned Aerial Vehicle (UAV)	0	120	0	0	0	0	120	0	120
PP203	Mobile Command Vehicle (see Note A below)	0	0	0	0	0	0	0	975	975
NEW	Portable/Mobile Public Safety Radio Upgrades	0	0	0	250	0	0	250	0	250
NEW	Portable/Mobile Public Service Radio Upgrades	0	0	0	250	0	0	250	0	250
NEW	Back-up Communications Center Equipment	0	0	475	0	0	0	475	0	475
NEW	CAD/RMS/MFR Replacement	0	0	0	0	1,250	0	1,250	0	1,250
TOTAL		0	120	595	500	1,250	0	2,465	975	3,440

2022-2026	TOTAL - POLICE	45	175	655	760	1,260	310	3,160	975	4,135
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2021-2025	TOTAL - POLICE	n/a	120	60	260	130	n/a
	\$\$ Difference	n/a	(55)	(595)	(500)	(1,130)	n/a
	% Difference	n/a	-45.8%	0.0%	-192.3%	-869.2%	n/a

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

Note A - Partnerships are being explored for this project. The City's budget is \$475,000 for this project.



POLICE CAPITAL MAINTENANCE



Note: The Capital Improvement Tax Fund is the source of funding for all of the Police projects unless otherwise noted.

PP083 Replacement Lasers

Funds are programmed in 2023 to replace aging traffic lasers. Traffic lasers are used by patrol officers to assist them with their traffic enforcement duties and are the most precise pinpoint speed monitoring option available to traffic enforcement officers. Based on their life expectancy and for maintenance of current technology of speed detection equipment, lasers have been moved from a 10-year replacement cycle to a 5 to 7-year replacement cycle.

PP084 Replacement Radars

Funds are programmed in 2024 to replace aging radars. Front line police vehicles are equipped with traffic radars to assist patrol officers with traffic enforcement duties. Unlike police lasers, police radar directly determined a vehicle's speed by measuring the Doppler. Based on the life expectancy of the equipment, and for maintenance of current technology of speed detection equipment, radars have been moved from a 10-year replacement cycle to a 5 to 7-year replacement cycle.

PP168 Delaware Tactical Unit (DTU) Equipment

Funds are provided for equipment to support additional Dublin officers operating with the Delaware Tactical Unit (DTU). The City currently has two Dublin Police Department members on the team. 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. Funds are programmed in 2025 for this project.

PP183 Replacement/Upgrade Tasers

Dublin police officers have carried Tasers since 2007. These tools have become the primary less-lethal weapon alternative, and are carried by every officer. The Police Department upgraded its Taser inventory in 2019, and the purchased equipment was warrantied for five years. Taser International has advised the City of Dublin that they are transitioning to a new Taser system in 2019, meaning the City's current model will not be replaceable at the end of warranty. Funding for the update is programmed in 2024.

PP191 Replacement Ballistic Shields

Funding is programmed in 2023 for the replacement of existing ballistic shields that have a 5 to 7-year useful life. Ballistic shields are kept in the City's cruisers for deployment during an emergency response. The shields will meet their useful life in



2023 and will need replacement at that time.

PP192 Replacement Speed Trailers



Funding programmed in 2023 is to provide a speed trailer. The City has a continued need for responding to traffic issues. The Police Department currently have four trailers which are over 10 years old. These trailers have on-going maintenance issues. The current trailers are still serviceable, but are expected to need replacement in 2023.

NEW Replacement Automated Fingerprint (AFIS) Live Scan Capture Station

Funding provided in 2022 is for a replacement automated fingerprint (AFIS) live scan capture station. The AFIS capture station is used to take fingerprints of arrestees and immediately transmits this information to the Ohio Bureau of Criminal Investigation & Identification, the Federal Bureau of Investigation, and the National Web Check system. This funding replaces the current equipment purchased in 2013. The vendor has served the City an “end of life” notice for the current system effective December 2022.

NEW Replacement/Changeover Firearms

Programmed in 2026 is funding for replacement of firearms (hand guns) which will have exceeded the ten year recommended useful life for on-duty use. Sidearms for sworn officers were last replaced in 2016. Due to officers working in adverse weather conditions and firing thousands of training rounds over time, it is recommended that sidearms be replaced every ten years. Additionally, new technology has been developed in sidearm mounted optics. These optics have shown to increase officer’s proficiency, thus increasing officer and public safety.

NEW Replacement/Changeover Body Cameras

Funding for replacement or changeover body cameras is provided in 2026 as body-worn cameras come to the end of their recommended lifecycle, which is about eight years. The Police Department currently issues a body-worn camera to all sworn staff to increase accountability and transparency in police/citizen interactions. This equipment’s value is evident in its ability to record many encounters that would otherwise not be retained on video. It is a tool that the community expects professional police agencies to be equipped with. As technology advances and lifecycles of the current cameras expire, the Police Department will have a need to replace the existing equipment.



NEW **Property Drying Cabinet**

Funding is programmed in 2022 for a property drying cabinet. The cabinet will be used to allow property to dry in a secure and dedicated area. It will be used for drying wet evidentiary items, while creating a barrier to keep out potential threat of cross contamination, and employee exposure to putrid odors or biological material. Prior to biohazards being packaged, it needs to be dried thoroughly. This process should be done in a sterile, secure environment to maintain the property's integrity. Currently, drying is taking place in a locked cage in the sally port, which can expose evidence to other contaminants. According to the International Association for Property and Evidence, Inc., one of the most acceptable methods for drying biohazards (i.e. blood on clothes) is with the use of a commercially manufactured biohazard drying cabinet.



POLICE CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

PP132 Automatic License Plate Readers (ALPR)

Funds programmed in 2023 provide for the additional purchase of automatic license plate readers for police cruisers. ALPR are a computerized 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 increases the possibility an alert will be found. The ALPR project was initiated in 2015. Funds programmed for this project anticipate the replacement/update of ALPR equipment and technology in 2023.

PP195 Unmanned Aerial Vehicle (UAV)

Funding programmed in 2022 provides for additional unmanned aerial vehicle (UAV) equipment. This equipment is necessary to conduct high risk surveillance and search and rescue for the Police Department. UAV's are quickly becoming common place in the area of law enforcement across the country. This tool allows officers to observe crime scenes, hazardous materials, and other vulnerable areas from the safety of a remote location. UAV's have also proven to be valuable in searching for missing persons, crowd and event management at large events, and mapping crime and traffic crash scenes. This additional equipment in the Police Department's inventory has improved the functionality and effectiveness in providing safety services. The Police department currently has 10 FAA-certified UAV pilots, and has utilized the current equipment in over 483 flights.

PP203 Mobile Command Vehicle

The current Dublin Police mobile command post is a 2004 Surry Manufacturing 39' towable, dual axle trailer. This unit has served Dublin well for the past 15+ years, most often at pre-scheduled special events where it can be deployed to a pre-determined location, connected to a power source and has access to hardwired information technology infrastructure. Once deployed, the trailer remains in the same location for the duration of the event and cannot easily be moved. In addition to the time it takes to obtain a towing vehicle, time must be devoted to hooking-up the trailer, towing it to the scene, and setting the trailer up once it arrives. On average, it takes more than an hour to complete these tasks, greatly reducing the effectiveness of the asset.

A motorized mobile command post will improve the mobility of the unit, greatly reduce the response time needed to get it to an emergency and allow for immediate use once it arrives. Equally important, because it does not require a towing vehicle, the motorized mobile command post can easily be moved or repositioned based on the safety needs or operational demands of the incident.



The total amount of funding for this project is reflected beyond the five-year program period. The completion of this project is dependent on obtaining a funding partner.

NEW Portable/Mobile Public Safety Radio Upgrades

This project provides funding for replacement of mobile radios used for public safety in 2024. This is required due to an upgrade occurring in 2024 to accommodate new access security requirements being implemented by the Ohio Multi-Agency Radio Communication System (Ohio MARCS – which provides statewide interoperability in digital clarity to its subscribers throughout Ohio). The majority of public radios and all of the portable radios can receive a firmware upgrade to make them compatible with the new requirements. Thirty-six of the mobile radios will need to be replaced due to end-of-life in 2024. The new security requirements will be enforced beginning in 2025, and all non-compatible radios will stop functioning on the MARCS radio system.

NEW Portable/Mobile Public Service Radio Upgrade

This project provides for replacement of portable radios assigned to City Departments (other than public safety) with funding programmed in 2024. This is required due to an upgrade occurring in 2024 to accommodate new access security requirements being implemented by the Ohio Multi-Agency Radio Communication System (Ohio MARCS – which provides statewide interoperability in digital clarity to its subscribers throughout Ohio). 110 of the 215 radios assigned to City Department/Divisions will require an upgrade in 2024 to accommodate the new access security requirements. Several of these radios will be replaced as they will be 14 years old. The remaining radios can received a firmware upgrade to make them compatible with the new requirements. The new security requirements will be enforced beginning in 2025, and all non-compatible radios will stop functioning on the MARCS radio System.

NEW Back-up Communication Center Equipment

This project provides for equipment needed to outfit a back-up facility with radio console positions, telephone answering positions, computer workstations and other technology for continuity of operations in case of an event where all or part of the Dublin Justice Center is evacuated. Staff is exploring a partnership with Delaware County to share a remote, secure compatible facility to serve as a back-up location for either agency to operate during an emergency. Any expenses related to the recurring costs of the facility, such as a lease fee, will be addressed in the Northwest Regional Emergency Communications Center (NRECC) operating budget and shared with Delaware County.

Funding for this project is programmed in 2023.

NEW CAD/RMS/MFR Replacement

This project provides for the replacement of the product used for Computer Aided Dispatch (CAD), Records Management (RMS), and Mobile Field Reporting (MFR). In 2019, the City received notice from its software vendor that they will no longer be



marketing the product that is currently being used for CAD/RMS/MFR. Although the vendor indicates they will continue to support the product for the “foreseeable future,” planning has begun for the replacement and modernization of these systems, as these systems are critical to the operation of both the Police Department and the NRECC. Programming funded in year 2025 provides sufficient time for the NRECC partners to plan for the expense of the costs they will incur to upgrade their in-car software for compatibility with the new CAD system.

The funding programmed in 2025 is currently a placeholder. Costs for the upgrade may be higher, but will be off-set with shared partner agencies.

9-Sanitary Sewer



CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$000)	BEYOND 2026 (\$000)	TOTAL TO BE BUDGETED
UTILITIES - SANITARY SEWER SYSTEM										
CAPITAL MAINTENANCE										
ES271	Sewer Lining and Repair	0	1,500	0	1,500	0	1,500	4,500	1,500	6,000
ES221	Annual Sanitary Sewer Maintenance Program	250	250	250	250	250	250	1,250	250	1,500
ES222	Manhole Rehabilitations	300	0	320	0	340	0	660	360	1,020
TOTAL		550	1,750	570	1,750	590	1,750	6,410	2,110	8,520
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE										
ES203	Sanitary Sewer Extensions - 1B - Sanitary Sewer	140	960	0	0	0	0	960	0	960
ES204	Sanitary Sewer Extensions - 1B - Roadway	140	900	0	0	0	0	900	0	900
ES202	Sanitary Sewer Extensions - 1C	2,260	0	0	0	0	0	0	0	0
ES216	Sanitary Sewer Extensions - Area 15	0	65	0	0	0	0	65	0	65
ES174	Sewer Line Extensions - Areas 4A Phase 2	45	0	0	0	0	0	0	320	320
ES175	Sewer Line Extensions - Areas 3A, 3B, 3C, 8A & 15	0	350	2,935	0	0	0	3,285	0	3,285
ES176	Sewer Line Extensions - Areas 2A, 2B & 2C	0	0	0	275	2,070	0	2,345	0	2,345
ES177	Sewer Line Extensions - Areas 8B & 8C	0	0	0	0	0	0	0	1,140	1,140
ES179	Deer Run Sanitary Sewer Improvements - Group #1	3,580	0	0	0	0	0	0	0	0
ES192	Sewer Line Extensions - Area 10A	0	0	0	0	105	945	1,050	945	1,995
ES193	Sewer Line Extensions - Area 9	0	0	0	0	45	280	325	0	325
NEW	Sewer Line Extensions - Area 10B	0	0	0	0	115	620	735	0	735
NEW	Sewer Line Extensions - Areas 10C & 10D	0	0	0	0	0	0	0	995	995
ES212	Deer Run Sanitary Sewer Improvements - Avery Road Relief Sewer	0	0	0	590	2,040	0	2,630	0	2,630
ES213	Deer Run Sanitary Sewer Improvements - Glick Road Relief Sewer	0	0	1,085	4,335	0	0	5,420	0	5,420
ES214	Deer Run Sanitary Sewer Improvements - Muirfield Golf Course Relief Sewer	0	0	0	0	0	0	0	1,235	1,235
ES215	Deer Run Sanitary Sewer Improvements - Riverview Street Relief Sewer	0	0	0	0	0	0	0	2,075	2,075
TOTAL		3,625	2,275	4,020	5,200	4,375	1,845	17,715	6,710	22,500
2022-2026	TOTAL - SANITARY SEWERS	4,175	4,025	4,590	6,950	4,965	3,595	24,125	8,820	31,020
2021-2025	TOTAL - SANITARY SEWERS	5,980	1,795	2,085	6,895	2,730	N/A			
	\$\$ Difference	(1,805.00)	2,230	2,505	55	2,235	N/A			
	% Difference	-30.2%	124.2%	120.1%	0.8%	81.9%	N/A			



UTILITIES - SANITARY SEWER SYSTEM CAPITAL MAINTENANCE

ES271 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 and 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 I and I entering the system via the main lines.

Funding programmed in 2022 provide for continuation of the lining of the North Indian Run Sewer Sheds. The exact locations will be determined from sanitary sewer main inspections by City staff and consultants.

The funding source for these future projects will most likely be debt issuance.

ES221 Annual Sanitary Sewer Maintenance Program

Funding provides for an annual allocation to maintain and repair sanitary sewer infrastructure including raising manholes, converting cleanouts to manholes, emergency sanitary sewer lining, and various other issues identified during inspections.

Funding for this program is allocated annually.

ES222 Manhole Rehabilitations

This project provides for the repair of sanitary sewer manholes in accordance 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. Location of work will be the North Fork and South Fork Indian Run Sewer Sheds.

Funding is programmed on a bi-annual cycle. Funding for this project will be from the Sewer Fund.



UTILITIES - SANITARY SEWER SYSTEM CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

Sanitary Sewer Line Extensions

This project will systematically provide access to the areas of the City not currently on the public sanitary sewer system based on the priorities of City Council policy (adopted December 7, 2015), inspection data, and evaluation provided by the Franklin County Board of Health. The City's Administration has currently conducted a water/sewer rate study. The study will determine the rate structure that needs to be in-place in order to provide sufficient funding for the maintenance of the City's existing systems into the future. The outcome of the analysis will provide information to determine the amount, if any, from the General Fund and/or Capital Improvement Tax Fund that will be needed to fund these extensions.

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, along with debt issuance. Project priorities are monitored throughout the year.

ES203 & ES204 Sewer Line Extensions and Roadway – Area 1B

This project provides for public sanitary sewer utility extension to existing developed areas that need direct access to the public sanitary sewer system in the areas of Trails End Drive. This project was advanced in priority as a result the Franklin County Board of Health monitoring system and will impact 22 parcels.

Design was initiated in 2021, with funding of construction in 2021.

ES202 Sewer Line Extensions – Area 1C

This project provides for public sanitary sewer utility extension to existing developed areas that need direct access to the public sanitary sewer system in the areas of Trails End Drive at Summit View Road and Summit View Road and Glencree Place. Water service is available in this area. This project was advanced in priority as a result the Franklin County Board of Health monitoring system and will impact 19 parcels.

Design and construction are being funded in 2021.

ES216 Sewer Line Extensions – Area 15

This project provides for an 8" sewer extension, two (2) sanitary sewer service lateral stubs, and other associated sanitary sewer infrastructure.

Location: 7400-7422 Avery Road (2 parcels).

This project is programmed in 2022.



ES174 Sewer Line Extensions – Areas 4A Phase 2

Area 4A Phase 2 – This project will provide force main, lift station, and 8-inch public sanitary sewer utility extensions to existing developed areas that need direct access to the public sanitary sewer system.

Locations: Area 4A - River Knolls Subdivision (11 parcels) and 7049–7575 Riverside Drive (8 parcels).

Construction of this project is reflected beyond the five-year program period.

ES175 Sewer Line Extensions – Areas 3A, 3B, 3C, 8A & 15

Area 3A, 3B, 3C, 8A & 15 – Force main, lift station and 8" and 10" sewer extensions.

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 and 4575 Summit View Road; Area 3C - Woodlands 1 & 2, Drexel Hills Terrace (40 parcels); Area 8A – Avery Road/Cara Road/Cara Court (25 parcels); Area 15 – 7400-7422 Avery Road (2 parcels). Area 8A – Avery Road/ Rings Road/ Cara Road/ Cara Court (25 parcels).

Design and any site acquisition for this project is programmed in 2022 with construction programmed in 2023.

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

Area 2A, 2B & 2C - Force main, lift station and 8" and 10" sewer extensions. One hundred and fifty-seven (157) parcels will receive access to sanitary sewer service. O'Shaughnessy Hills lot configuration does not represent typical lot service. Design is programmed in 2024 with construction of this project programmed in 2025.

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).

ES177 Sewer Line Extensions – Areas 8B & 8C

Design and construction for Area 8B & 8C is reflected beyond the five-year program period.

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 Improvements, 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 16" 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.

Project design was planned in 2020, with site acquisition and construction programmed in 2021.

ES192 Sewer Line Extensions – Area 10A

This project provides for an 8" sanitary sewer extension to Thornhill Lane and Dublin Road. This will provide direct access to the public sanitary sewer system. Design is planned in 2025, with construction programmed for 2026 and beyond the five-year program.

Location: Area 10A: Sanitary sewer extension to Thornhill Lane and Dublin Road parcels.

ES193 Sewer Line Extensions – Areas 9

This project will provide 8" & 10" public sanitary sewer utility extensions to Area 9 of the existing developed areas that need direct access to the public sanitary sewer system.

Locations: Area 9 - 8" sanitary sewer extension at Olde Dublin Woods Drive, Betonywood Place, Red Oak Lane, and Hirth Road.

Design and site acquisition is shown in 2025, with construction programmed for 2026.

NEW Sewer Line Extensions – Areas 10C & 10D

Areas 10C & 10D – This project will provide force main, lift station, and 8-inch public sanitary sewer utility extensions to existing developed areas that need direct access to the public sanitary sewer system.

Locations: 5300 to 5474 Dublin Road (12 parcels); Area 10D - 5480 to 5680 Dublin Road (10 parcels).

This project is not yet programmed in the five-year project period.

NEW Sewer Line Extensions – Areas 10B

This project will provide public sanitary sewer utility extensions, including a lift station and force main to Area 10B as identified in the Unserved Areas analysis.

Location: Area 10B – Locust Hill Lane.

Design and site acquisition is shown in 2025, with construction programmed for 2026.



ES212 Deer Run Sanitary Sewer Improvements – Avery Road Relief Sewer

This project provides for a 35-inch diameter trunk sewer installation. The need for this project was identified in the Deer Run Sewer Modeling Report from 2012 and a sanitary sewer model update in June 2019.

Locations: Beginning at Deer Run Elementary/Avery Road west into Muirfield Village and across The Country Club at Muirfield Village, then across Muirfield Drive into Springburn Drive and ending at Macewen Court.

Project design is programmed in 2024 and construction is planned for 2025.

ES213 Deer Run Sanitary Sewer Improvements – Glick Road Relief Sewer

This project provides for 18 and 30-inch diameter trunk sewer installation downstream of Dumfries Court. The need for this project was identified in the Deer Run Sewer Modeling Report from 2012 and a sanitary sewer model update in June 2019.

Locations: Dumfries Court East and Carnoustie Drive area. Upsize downstream sanitary trunk sewer to 18 and 30-inch sanitary trunk sewer following Glick Road west to the Glick and Dublin Road intersection, and then south on Dublin Road to the Glenaire Drive area.

Project design is programmed in 2023, with construction in 2024.

ES214 Deer Run Sanitary Sewer Improvements – Muirfield Golf Course Relief Sewer

This project provides for a 12-inch diameter relief trunk sewer installation. The need for this project was identified in the Deer Run Sewer Modeling Report from 2012 and a sanitary sewer model update in June 2019.

Locations: Beginning at the 14th Green/15th Tee Box area on the golf course and heading west to Dublin Road Lift Station at Dublin Road.

Design and construction of this project is reflected beyond the five-year program period.

ES215 Deer Run Sanitary Sewer Improvements – Riverview Street Relief Sewer

This project provides for a 36-inch diameter trunk sewer installation. The need for this project was identified in the Deer Run Sewer Modeling Report from 2012 and a sanitary sewer model update in June 2019.

Locations: Beginning at Short Street heading north on Riverview Street and terminating at the intersection of Riverview Street and North Street.

Design and construction of this project is reflected beyond the five-year program period.

10-Stormwater

 CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
UTILITIES - STORMWATER MANAGEMENT										
CAPITAL MAINTENANCE										
AF221	Annual Stormwater Maintenance	100	100	100	100	100	100	500	100	600
AF222	Waterway Maintenance Program	100	100	0	100	0	100	300	100	400
AF222	Annual Storm Structure Program	225	150	150	150	150	150	750	225	975
AF223	Pond Aerator Systems	50	50	50	50	50	50	250	50	300
	TOTAL	475	400	300	400	300	400	1,800	475	2,275
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE										
EF200	Allocation for Various Stormwater Improvements	500	300	80	420	85	420	1,305	500	1,805
NEW	Stormwater Grant Pilot Program	0	30	30	0	0	0	60	0	60
	TOTAL	500	330	110	420	85	420	1,365	500	1,865
2022-2026	TOTAL - STORMWATER	975	730	410	820	385	820	3,165	975	4,140
2021-2025	TOTAL - STORMWATER	975	875	975	875	975	N/A			
	\$\$ Difference	0	-145	(565)	(55)	(590)	N/A			
	% Difference	0.0%	-16.6%	-57.9%	-6.3%	-60.5%	N/A			



UTILITIES - STORMWATER MANAGEMENT CAPITAL MAINTENANCE

Note: The Capital Improvement Tax Fund is the source of funding for all of the stormwater projects. There are no fees charged for stormwater utility in the City of Dublin.

AF221 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 funding is 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 annual allocations will be used to fund two projects: Inlet maintenance and miscellaneous maintenance on a task order basis.

Funding is allocated annually in the five-year program period to continue repair and maintenance.

AF222 Waterways Maintenance Program

The waterways maintenance program was initiated in 2017. This project provides funding for maintenance of the City's roadside ditches and waterway systems. 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.

Funding is programmed in the five-year program period on a biennial basis in 2022, 2024, and 2026.

AF222 Annual Storm Structure Program

This project provides annual funding for maintenance of the City's stormwater system as identified in the Stormwater Master Plan. The funds are utilized to maintain and repair existing storm sewer curb inlets that discharge stormwater runoff. Improvements are identified through condition inspection or resident complaints regarding the stormwater management system.

AF223 Annual Pond Aerator System

This project provides funding for maintenance of the City's stormwater system as identified in the Stormwater Master Plan. This is an annual pond maintenance program to maintain stormwater management ponds (wet basins) throughout the City (City-owned). The number of ponds maintenance per year will fluctuate from year to year depending on inspections and resident complaints.



Location: 2021 funding is for the Golf Club of Dublin (phase 1). It is estimated that funding will provide for maintenance of 3 to 5 ponds per year.

EF200 Allocation for Various Stormwater Projects

An annual funding allocation over the next five years has been programmed for various improvement needs identified in the Stormwater Master Plan completed by Camp, Dresser & McKee (CDM) (2009). Projects will be completed and prioritized as funding is available. 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.

Locations: Anticipated construction schedule - 2021: Riverside Drive (south of roundabout), 6300 Memorial Drive, Stockton Way 2022: Hyland-Croy (near Bishop Crossing), Tartan Tank SUP, Tonti Drive (near May Apple Ct), Ballantrae (Golf Club near Eiterman Road), Calvert Court 2024: Hawks Nest, Hirth-Woolpert 2026: To be determined

NEW Stormwater Grant Pilot Program

This two-year pilot program project provides funding in 2022 and 2023 for stormwater management grant funding. The program provides grant funds for residential stormwater management basins (wet or dry) through an application process and matching requirement for approximately 46 identified Homeowner's Associations (HOA). The Community Services Advisory Committee recommended establishment of the pilot grant program, which was reviewed by the Finance Committee in May 2021, and approved by City Council on June 14, 2021. Establishing a pilot program will allow the City to identify the scope of need throughout the community, and determine a more permanent course of action.

11-Technology



CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$000)	BEYOND 2026 (\$000)	TOTAL TO BE BUDGETED
TECHNOLOGY										
CAPITAL MAINTENANCE / CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE										
AI221	Information Technology	860	695	790	750	750	750	3,735	1,400	5,135
NEW	Core Switch Replacements	0	250	0	0	0	0	250	0	250
NEW	Replacement Back-Up Appliances	0	150	0	0	0	0	150	0	150
NEW	Firewalls	0	275	0	0	0	0	275	0	275
NEW	Security Appliances	0	0	200	0	0	0	200	0	200
PA221	GIS - Geographic Information System	120	110	110	110	110	110	550	110	660
AI203	Data Platform	150	150	150	150	150	150	750	150	900
AI202	Connected Dublin/US33 COG	275	300	300	300	300	300	1,500	200	1,700
AI172	Connected Dublin - Connected Vehicles Systems Infrastructure	50	50	50	50	50	50	250	0	250
AI194	Fiber Optic and Traffic Fiber Enhancements	420	390	120	120	120	120	870	0	870
NEW	Dublink Fiber Extension - Shier Rings/Cosgray	0	300	0	0	0	0	300	0	300
NEW	Dublink Fiber Extension - Bridge Park	0	400	0	0	0	0	400	0	400
NEW	Fiber to Home	0	23,000	0	0	0	0	23,000	0	23,000
2022-2026	TOTAL	1,875	26,070	1,720	1,480	1,480	1,480	32,230	1,860	34,090
2021-2025	TOTAL - INFO TECNOLOGY	n/a	1,805	1,515	1,515	1,515	n/a			
	\$\$ Difference	n/a	24,265	205	(35)	(35)	n/a			
	% Difference	n/a	1344.3%	13.5%	-2.3%	-2.3%	n/a			

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



INFORMATION TECHNOLOGY CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

Note: The Capital Improvement Tax Fund is the source of funding for all IT projects unless otherwise noted.

AI221 Information Technology (Computer Hardware/Software)

Technology projects include citywide shared services upgrades, replacement and additions to the existing IT infrastructure, and security technologies. Also included in City-wide projects are client device procurements, collaborative technology upgrades and delivery of enterprise software solutions. Project initiatives across several departments are noted which support the enhancement of City of Dublin operations and help realize the benefits of new technologies, a “cloud” and managed services strategy for key business solutions, and increased focus on information security. These technology upgrades are necessary to secure the City’s network, protect sensitive data, provide for scalability and ensure the availability of network operations. Technology projects also support maintenance and enhancement needs, account for the expansion of resources and emerging technologies, and the drive for efficiency and effectiveness of City operations. Projects are submitted in alignment with department leaders and the City’s common goals. The ability to maintain, grow and transform the City’s technology environment is crucial to meeting the needs and expectations of the community and staff.

The annual requests reflect the five-year Technology Strategic Plan that has been developed by the IT Department in a manner which supports the stakeholders in IT’s service delivery portfolio, and the goals of City Council.

During 2020, GIS/Data has been shifted to its own work unit for Performance Analytics and funds for their projects have been reallocated to their Work Unit organization number.

The funding source for most of the projects is the Capital Improvements Tax Fund. The nature of continual technology advancements, developing business requirements and changing project definitions require continued annual funding revisions.



Information Technology 5 Year Budget Plan 2022-2026 (Project #AI221)

<u>Technology Area</u>		<u>2022</u>	<u>2023</u>	<u>2024</u>
Infrastructure & Operations	Network Communications & Mgmt	\$140,000	\$140,000	\$140,000
	Storage Area Network (SAN)	\$40,000	\$30,000	\$30,000
	Enterprise Software Licensing	\$30,000	\$30,000	\$30,000
	Server Upgrades/Expansion	\$25,000	\$25,000	\$25,000
	Misc Network Infrastructure	\$30,000	\$30,000	\$30,000
	Traffic Network Hardware Needs	\$20,000	\$10,000	\$30,000
	Technology Solutions	\$10,000	\$105,000	\$85,000
Information Security	Security Camera Upgrades	\$50,000	\$50,000	\$30,000
	Design & Implementation Services	\$0	\$30,000	\$30,000
Client Support Services	Client PC & Monitor New/Refresh	\$80,000	\$90,000	\$80,000
	Mobile Devices New/Refresh	\$30,000	\$40,000	\$40,000
	Conference Room Equipment	\$20,000	\$10,000	\$20,000
	Misc Hardware/Software	\$20,000	\$20,000	\$20,000
Business Services	Application Upgrades/New Applications	\$40,000	\$40,000	\$40,000
	Business Systems/Report Enhancements	\$20,000	\$10,000	\$20,000
	Project Implementation Services	\$30,000	\$40,000	\$40,000
	Legislative Affairs Solutions	\$20,000	\$0	\$0
Police	Records/Dispatch/Mobile Upgrades	\$30,000	\$30,000	\$30,000
	Cruiser Mobile Computer Upgrades	\$30,000	\$30,000	\$30,000
	Cruiser Technology Enhancements	\$30,000	\$30,000	\$30,000
		\$695,000	\$790,000	\$750,000

**Information Technology 5 Year Budget Plan 2022-2026 (Project #AI221)**

Technology Area		2025	2026
Infrastructure & Operations	Network Communications & Mgmt	\$140,000	\$140,000
	Storage Area Network (SAN)	\$60,000	\$60,000
	Enterprise Software Licensing	\$40,000	\$40,000
	Server Upgrades/Expansion	\$25,000	\$25,000
	Misc Network Infrastructure	\$30,000	\$30,000
	Technology Solutions	\$65,000	\$65,000
Information Security	Security Camera Upgrades	\$30,000	\$30,000
	Design & Implementation Services	\$30,000	\$30,000
Client Support Services	Client PC & Monitor New/Refresh	\$80,000	\$80,000
	Mobile Devices New/Refresh	\$40,000	\$40,000
	Conference Room Equipment	\$10,000	\$10,000
	Misc Hardware/Software	\$20,000	\$20,000
Business Services	Application Upgrades/New Applications	\$50,000	\$50,000
	Business Systems/Report Enhancements	\$20,000	\$20,000
	Project Implementation Services	\$30,000	\$30,000
Police	Records/Dispatch/Mobile Upgrades	\$30,000	\$30,000
	Cruiser Mobile Computer Upgrades	\$20,000	\$20,000
	Cruiser Technology Enhancements	\$30,000	\$30,000
		\$750,000	\$750,000

NEW Core Switch Replacements

This project provides funding for core switch replacements. A core switch is a high-capacity switch generally positioned within the backbone or physical core of a network, and serve as a gateway or aggregation point. Replacements are needed at both of the City's data centers as they are reaching the end of support within the next two years. Funding for this project is programmed in 2022.

NEW Replacement Back-Up Appliances

This project provides funding for back-up appliances. Remote back-up appliance is a bundled hardware, software and network-enabled solution that is designed to store, manage and provide data backup services over the internet. The City's current solution is having drive failures and is quickly reaching its max backup storage capacity. The project provides for two new appliances to handle current backups and future growth. Funding for this project is reflected in 2022.

NEW Firewalls

Programming in 2022 provides funding for two new firewall appliances; one for each

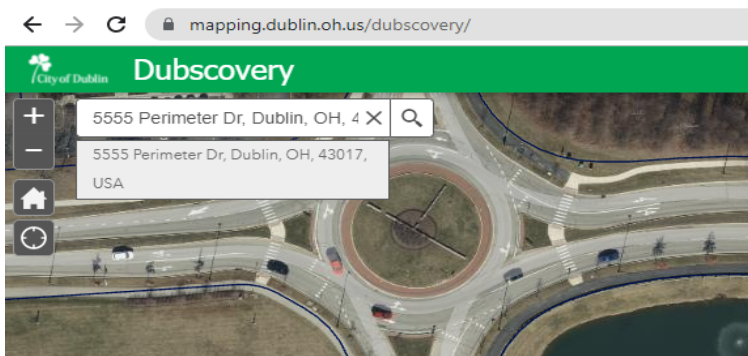


data center. A firewall is a network security device that monitors and filters incoming and outgoing network traffic based on an organization’s previously established security policies. The City’s existing hardware is soon to be outdated. New firewalls will have better detection, performance and security solutions to meet any current gaps in the City’s security posture. The City of Dublin is continuously under attacked by various threats like: Denial of Service Attacks, Ransomware, Hackers and rouge/malicious programs and bots. As cyberattacks continue to rise the City of Dublin needs to ensure that its security protocols are using the best and most efficient tools in the industry to defend against these attacks. The City’s first line of defense is its Firewall that is configured to block malicious attacks like these and enable the City’s staff to have safe/secure connections to let the right network traffic in, keeping city staff and its information safe. Included in the firewall solution is the Virtual Private Network (VPN) that enables City staff to connect into the City’s network remotely in a secure and encrypted manner. This is key for users working remote and requiring access to key City resources that are only accessible from the City of Dublin’s network.

NEW Security Appliances

This project provides funding for the purchase of security appliances. A security appliance is any form of server appliance that is designated to protect computer networks from unwanted traffic. Funding for this project is shown in 2023.

PA221 GIS – Geographic Information System



This project provides for the continued enhancement and maintenance of the City’s GIS system. GIS projects support for every work unit in the City and has become an everyday tool used by many. These projects ensure robust and secure GIS infrastructure, improved data sources

(including asset data, demographic data and aerial imagery) and up-to-date analytical and presentation tools.

AI203 Data Platform

Annual funding is provided for the Data Platform project to support the City of Dublin’s data strategy currently in-progress, and the continuation of project efforts to build the foundation for hosted data services as established by City Council goals. This includes, and is not currently limited to, modernizing the data assets of the City on a centralized infrastructure/platform for the purpose of data warehousing and enabling business intelligence capabilities. These capabilities include optimized decision making, and realization of operational efficiencies through centralized performance reporting, self-service data analytics, and artificial intelligence capabilities. This project also supports the strategic goals for Smart City, Smart Mobility, and Connected Community initiatives.



An annual allocation is currently programmed. However, new business requirements and priorities, as well as changing technology may create the potential need to revise funding requests in future CIP years.

AI202 Connected Dublin/ US33 COG

This initiative supports the development and implementation of technology projects that demonstrate a Smart and Connected City and Intelligent Community. As part of Connected Dublin, the City engages in implementations in partnership with technology innovators in the areas of Connected/Autonomous Vehicles, Curbside Management technologies, wireless broadband connectivity, digital identity, and chat based service delivery. The initiative supports proofs of concept, demonstrations, and display of innovations in one or more facilities dedicated to demonstrating emerging technologies and the City's advancement to the public, industry, and staff.

As Connected Dublin and as part of the Beta District, the City seeks to establish and maintain a brand and reputation as a top regional location for technical innovators from entrepreneurs to enterprises. Projects that make infrastructure, data, platforms, and environments available to external innovators attracts them to define the City as a choice location for their product or service testing, to locate emerging technology industry clusters, and to cultivate hubs for knowledge workers. The City benefits from the presence of high-end income earners, attraction of high growth companies, and retention of an attractive innovation workforce.

- 125+ miles of at least 96-count fiber, which is nearly 100% underground
- 100 gigabits of data transport service available
- Flexible fiber optic network with the ability to extend and expand

Funding is allocated for this project annually. Any

operating expenditures related to this project will be funded through the City's General Fund and established as part of the 2022 Operating Budget (if necessary).

Also funded through this allocation is the City's share of the US33 COG Infrastructure project. This project provides funding to deploy technologies to implement connected vehicles systems infrastructure inside the 33 Smart Mobility Corridor consistent with the Connected and Autonomous Vehicles (C/AV) research and infrastructure development being conducted as part of the Beta District / 33 Smart Mobility Corridor. The expenses are shared between the City of Dublin, City of Marysville and Union County, and include such expenses as legal services, fiber maintenance, and insurance.

AI172 Connected Dublin - Connected Vehicles Systems Infrastructure

This project provides for technology to implement Connected Vehicles systems inside the City consistent with Smart Mobility research being conducted within the Beta District/33 Smart Mobility Corridor. These funds allow the City to implement systems as designed by COG partners, in vehicles, intersections, software systems and data management. This budget item is a contributing portion of a larger COG budget into which the City contributes its portion. The technologies are influenced by changes to



technical standards, such as to the wireless spectrum governed by the Federal Communications Commission.

An annual funding allocation has been programmed to provide for wireless vehicle communication applications and equipment for short-range communication (DSRC) technology for use in vehicle-to-vehicle communication and vehicle-to-vehicle roadside communication. This includes funding necessary 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 also count towards matching requirements allowing the majority of project funds to be provided by a federal grant for Connected Vehicles research.

AI194 Fiber Optic and Traffic Fiber Enhancements

Funding is provided 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, as well as infrastructure for traffic engineering throughout the Dublin system.

The scope of the City's fiber optics projects are continually changing and needs being re-assessed which may result in the need to modify funding requests in future CIP years.

NEW Dublin Fiber Extension – Shier Rings /Cosgray

This project proposes beginning to connect the West Innovation District (WID) to Dublin Fiber by extending the Dublin Fiber Network west on Shier Rings from the existing terminus of Dublin to Cosgray Road, and then north along Cosgray Road to the City-owned Crosby Court site. This is a 144 count fiber project.

The West Innovation District (WID) is intended to be a showcase business community for forward-thinking companies that desire high-tech office space, clean manufacturing facilities, and related supporting purposes. In order to achieve this goal, businesses must have access to high-speed fiber internet. Expanding Dublin Transport to WID would allow high-tech targeted businesses to tap into the Dublin Fiber and utilize fiber optic internet for their research and business activities. The Dublin Transport Program provides fiber internet at a reduced cost compared to other services as well. Finally, this project would allow for easier connectivity into future land acquisition and annexation opportunities, as well as bring fiber near existing residential neighborhoods.

Construction and conduit purchase for this project is programmed in 2022.

NEW Dublin Fiber Extension – Bridge Park

This project proposes a 144 count fiber extension that runs through Bridge Park. The scope of the project is still under review.

Construction and conduit purchase for this project is programmed in 2022.



NEW **Fiber to Home**

Consistent with the City's goal to become the Most Connected City in the Nation, this project will construct facilities and infrastructure to achieve fiber optic cabling or wireless broadband service to residential facilities within the City's jurisdictional boundary. Fiber optic connection to residents will set the City apart as a community of choice in an environment where the ability to work or learn from anywhere is a differentiator and broadband Internet access is a critical resource to all communities. The City will become the Most Connected City in the Nation and will enjoy economic development and reputational benefits while becoming future proof.

The project strategy and details are being outlined through a study being conducted through a third-party engineering design firm. Recommendations will be used in an RFP process to identify an entity to meet the requirements in a design/build or design/build/run model.

12-Transportation – Mobility - Bicycles & Pedestrian



CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
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TRANSPORTATION - MOBILITY - BICYCLES AND PEDESTRIANS

CAPITAL MAINTENANCE

AT223	Annual Shared Use Path Maintenance	355	275	555	420	425	425	2,100	365	2,465
AT226	Annual Sidewalk Program	250	250	250	250	250	250	1,250	250	1,500
AT229	Downtown Dublin Brick Sidewalk Maintenance	60	125	0	125	0	125	375	0	375
TOTAL		665	650	805	795	675	800	3,725	615	4,340

CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE - BICYCLES AND PEDESTRIANS

ET16L	Perimeter Drive: Avery-Muirfield to Holt Road (TIF) Sidewalk	0	950	0	0	0	0	950	0	950
ET16M	Shier Rings Road: Eiterman to Cosgray Shared-use Path	0	0	50	80	330	0	460	45	505
ET172	Riverside Drive East Shared-Use Path, section 1	1,085	0	0	0	0	0	0	0	0
ET173	Riverside Drive East Shared-Use Path, section 2	0	0	0	0	0	0	0	735	735
ET174	Riverside Drive East Shared-Use Path, section 3	0	0	0	0	0	0	0	965	965
ET201	Riverside Drive West	0	95	405	0	0	0	500	0	500
ET175	Dublin Center Drive Shared-Use Path (TIF)	0	25	30	165	0	0	220	0	220
ET176	Avery Road Sidewalk Connections (Hyland Drive to Tara Hill)	75	0	0	0	80	300	380	0	380
ET182	Brand Road Shared-Use Path, Townsend Drive to Avery Road	0	0	0	0	0	0	0	570	570
ET183	Dublin Road Shared-Use Path, Frantz Road to Limestone Ridge Drive	0	370	120	0	0	0	490	2,515	3,005
ET192	Bright Road Improvements	0	0	0	180	0	0	180	2,730	2,910
ET210	Shier Rings Road Shared-Use Path - Section 3, Avery Road to Emerald Prkwy	0	0	0	0	0	90	90	1,040	1,130
ET212	University Boulevard Shared-Use Path, phase 2	0	450	0	0	0	0	450	0	450
NEW	Smiley Park Connection	0	0	0	0	0	0	0	50	50
NEW	Blazer Parkway Sidewalk Improvement	0	0	0	0	100	50	150	850	1,000
NEW	Memorial Drive Connector - Shared-Use Path	0	0	10	90	0	0	100	0	100
NEW	Din Eidyn Drive Path Connection - Glick Road to Lerwick Drive	0	20	115	0	0	0	135	0	135
NEW	Muirfield Drive at Sells Mill Drive - Pedestrian Crossing Improvement	0	50	60	295	0	0	405	0	405
TOTAL		1,160	1,960	790	810	510	440	4,510	9,500	14,010

CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE - MOBILITY

AL203	Mobility Priority Area - Shared Micro-Mobility (Bike Share and Scooters)	50	360	250	100	100	180	990	0	990
NEW	Autonomous Shuttle Circulator	0	125	550	50	50	50	825	0	825
NEW	LinkUs: Northwest Corridor Study	0	0	0	0	0	0	0	550	550
NEW	COTA Bus Shelters	0	65	200	0	0	0	265	0	265
NEW	Mobility Priority Areas - Mobility Hubs Pilot	0	125	320	0	0	0	445	0	445
NEW	Neighborhood Mobility Program	0	50	50	50	50	50	250	0	250
TOTAL		50	725	1,370	200	200	280	2,775	550	3,325

2022-2026	TOTAL - MOBILITY - BICYCLES AND PEDESTRIAN	1,875	3,335	2,965	1,805	1,385	1,520	11,010	10,665	21,675
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2021-2025	TOTAL - BICYCLES AND PEDESTRIAN	n/a	1,295	1,110	2,350	1,275	n/a
	\$ Difference	n/a	2,040	1,855	(545)	110	n/a
	% Difference	n/a	157.5%	167.1%	-23.2%	8.6%	n/a

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

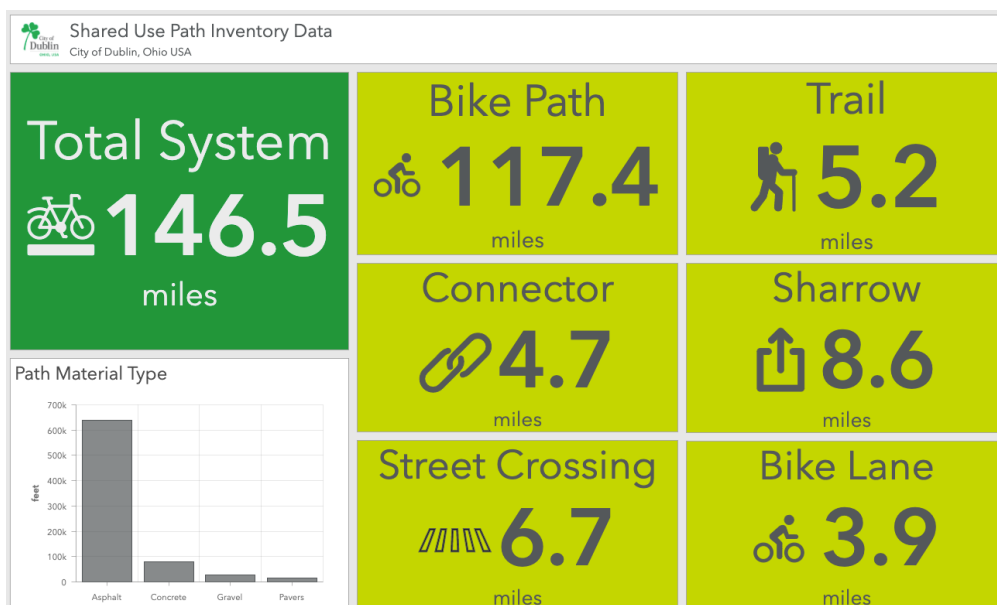


TRANSPORTATION – MOBILITY - BICYCLES AND PEDESTRIANS CAPITAL MAINTENANCE

Note: The Capital Improvement Tax Fund is the source of funding for all of the bicycle and pedestrian projects unless otherwise noted.

AT223 Annual Shared-Use Path Maintenance

Funding for this project includes an annual allocation for maintenance 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. The five-year work plan considers the following work types: replacement, resurfacing, crack sealing, and seal coating. A comprehensive work plan for shared-use path maintenance is on file in the Asset Management and Support Services Department.



The Asset Management team inspects the shared-use paths annually. There are currently almost 146.4 miles of public 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 comprise 80% of the system. The shared-use paths are generally inspected annually by the Infrastructure Asset Management team. However, the path system was not inspected in 2020 in anticipation of a new inspection process starting in 2021 using Artificial Intelligence (AI). In addition to generating the condition score, the inspection also produced recommended repairs. The current overall average condition of the shared-use paths is 70.6 with a goal of an average 70 rating.

AT226 Annual Sidewalk Program

Funding for this project provides an annual allocation for sidewalk maintenance within the City limits through replacement and shaving methods, thus reducing trip hazards and making Dublin a more walkable community. The responsibility of sidewalk maintenance has long been a subject of discussion for City Council and staff. In the 2018-2022 CIP, City Council began programming an annual allocation for sidewalk maintenance and



repair. Dublin’s sidewalk network consists of 199 miles of sidewalk. The vast majority of the network is concrete; however, there is a small area of paver construction sidewalks in the Muirfield area, a small area of brick sidewalks in Historic Dublin, and several locations of experimental rubber sidewalks.

Staff recently performed a City-wide canvas of the sidewalk conditions in order to develop a sidewalk maintenance program. Inspections were performed to determine types of repairs needed, and the quantity of repairs. The repairs were then categorizing by the observed cause of the damage. The method of repairs were divided into two categories: sidewalk shaving and sidewalk replacement. The causes were broken into three categories:

1. Damage due to street tree roots (trees in the tree lawn area between the street and sidewalk)
2. Damage due to public city utility lines (sunken, broken, or shifted panels due to a buried public City utility line)
3. Other (raised, sunken, cracked, spalled, or otherwise damaged sidewalks due to owner-placed trees or no obvious reason)

A link to the Sidewalk Maintenance Program is on the City’s GIS <https://dublinohiousa.gov/gis-maps/>.

AT229 Downtown Dublin Brick Sidewalk Maintenance

This project provides for a biennial allocation to perform brick and paver sidewalk maintenance in the downtown area (both Historic Dublin and Bridge Park Area). Maintenance and repairs include a high-pressure power wash, reset low spots, replace



chipped or broken bricks, clean away vegetation along edges, re-sand joints of the existing brick sidewalks, and expand brickwork from existing walk to curb line where practical throughout the District. There is approximately 36,000 square feet of brick sidewalk in

the District.

Funding programmed in 2021 includes inspection and spot repairs, with maintenance and repairs programmed in 2022, 2024, and 2026.



TRANSPORTATION – MOBILITY - BICYCLES AND PEDESTRIANS CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

ET16L Perimeter Drive: Avery-Muirfield to Holt Road Sidewalk

This project constructs 2,500 feet of five-foot concrete sidewalk along the north side of Perimeter Drive. This connection will provide safe pedestrian access along the north side of Perimeter Drive. An eight-foot asphalt path alignment was reviewed, but it was determined that it would require removal of too many mature trees. Additionally, an eight-foot asphalt path already exists on the south side of Perimeter Drive. In addition to the sidewalk, Perimeter Drive is programmed for milling and overlaying between Avery-Muirfield Drive and Discovery/Ventura Drive in 2022. Therefore, a portion of this project budget is allocated for the street work.

Programmed in 2022 is site acquisition, construction, landscaping and utility relocation. Funding for the project will be from the Perimeter Center TIF Fund.

ET16M Shier Rings Road: Eiterman to Cosgray Shared-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.

Design is programmed in 2023, site acquisition in 2024, and construction is reflected in 2025. Funding shown beyond the five-year program period is for utilities and landscaping.

ET172 Riverside Drive East Shared-Use Path, Section 1

This project provides for funding the construction of 3,000 feet of eight-foot asphalt shared-use path on the east side of Riverside Drive between Emerald Parkway and 500 feet north of Hanna Hills Drive. The project requires acquisition of property easement interest from 11 property owners along Riverside Drive.

Site acquisition and construction is programmed in 2021, however construction is contingent on acquiring all easements. Construction is anticipated to be bid in late 2021 with construction to commence in 2022.

ET173 Riverside Drive East Shared-Use Path, Section 2

This project provides for funding the construction of 1,400 feet of eight-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, site acquisition and construction is reflected beyond the five-year program period.

ET174 Riverside Drive East Shared-Use Path, Section 3

This project provides for funding the construction of 3,525 feet of eight-foot asphalt shared use path on the east side of Riverside Drive between Arrowhead Drive and the northern corporation limit (2,575 feet) and will tie into the path in Wedgewood Hills Park



(750 feet).

Design, site acquisition and construction is reflected beyond the five-year program period.

ET201 Riverside Drive West

This project provides for the design and construction of approximately 950 feet of eight-foot asphalt shared-use path on the west side of Riverside Drive between Emerald Parkway and the Dublin Arts Council at 7125 Riverside Drive. This connection will provide safe pedestrian access to the Dublin Arts Council building and provide connection to the overall path system. To support that effort, design and easement acquisition were advanced to 2023.

Design and site acquisition is planned for 2022, and construction is programmed in 2023.

ET175 Dublin Center Drive Shared-Use Path

This project provides for funding the construction of 618 feet of eight-foot asphalt shared use path on Dublin Center Drive between Stoneridge land and West Dublin-Granville Road.

Design is programmed in 2022, site acquisition in 2023, with construction in 2024. The Shamrock Crossing TIF is proposed as the funding source for this project.

ET176 Avery Road Sidewalk Connections (Hyland Drive to Tara Hill Drive)

This project provides for funding construction of pedestrian route connections along Avery Road. This project was requested by the residents in the area to facilitate connectivity of the sidewalk system, and to correct missing sidewalk connections along the east side of Avery Road from Hyland Drive to Tara Hill (~340 LF). Project programming estimates includes a 10% contingency and allocation for utility relocation for possible pole conflicts with alignment. Project locations include: Avery Road – Hyland Drive to Jacana Drive (3 phases): Hyland Drive to Tara Hill Drive, St. Mel Court to Avery Road Park, and Tara Hill Drive to Manteo Drive.

Design and utility relocation is programmed in 2021 with construction programmed in 2025 and 2026.

ET182 Brand Road Shared-Use Path, Townsend Drive to Avery Road

This project provides funding to design and construct approximately 1,390 feet of eight-foot asphalt share-use path along Brand Road. The shared-use path is planned on the south side of Brand Road between Townsend Drive and Avery Road. This project was requested by residents in the area for connectivity to the Indian Run Methodist Church on Brand Road.

This connection will provide safe pedestrian access along Brand Road and connect to the overall path system. Design and construction is reflected beyond the five-year program period, and will be re-evaluated as funding becomes available.



ET183 Dublin Road Shared-Use Path, Frantz Road to Limestone Ridge Drive

This project provides for design and construction of approximately 2,775 feet of 8-foot asphalt shared-use path along Dublin Road. The shared-use path is planned on the west side of Dublin Road between Frantz Road and Limestone Ridge Drive. This connection will provide safe pedestrian access along Dublin Road and connect to the overall path system.

Design and site acquisition have advanced for this project and moved in 2022 and 2023, respectively. Construction is reflected beyond the five-year program period as this connection satisfies resident requests from Thornhill Lane, completes the shared-use pathway from corporation limit to corporation limit, supports Bike Loops, and serves CoGo expansion. This connection also supports the regional connection to Upper Arlington's system and Franklin County's ODNR application to resurface and add 10-foot path to south side of Hayden Run Road Bridge.

ET192 Bright Road Area Pedestrian Improvements

This project provides for installation of curb and gutter, and pedestrian paths (walk or shared use path) on Bright Road, Grandee Cliffs Drive, Macbeth Drive and Macduff Way to provide pedestrian mobility. The project may include additional street lighting at Bright Road intersections. Residents will be expected to donate rights-of-entry/easements if required from their property.

Funding shown in 2024 is for preliminary engineering. Funds reflected beyond the five-year program period are for next level engineering and construction.

ET210 Shier Rings Shared-Use Path, section 3

This project will design and construct approximately 4,120 feet of 8-ft asphalt shared-use path along the south side of Shier Rings Road. The location of this project is on the south side of Shier Rings Road between Avery Road and Emerald Parkway. Additionally, approximately 100 feet of existing path is not usable and needs to be relocated. The subsequent phase to the project will provide for approximately 720 feet of eight-foot asphalt pathway along the west side of Wilcox Road from Wilcox Place to Shier Rings Road (previously project ET178). This connection will provide safe pedestrian access along Shier Rings Road and connects to the overall shared-use path system.

This project will include design, site acquisition, construction, landscaping and utility work. Design is programmed in 2026, with construction reflected beyond the five-year program period.

ET212 University Boulevard Shared-Use Path, phase 2

This project provides for the addition of approximately 2,500 feet of shared-use path along the newly relocated Cosgray Ditch, and around lot 4 of the University Boulevard, phase 2 plat. This path will allow public access to the greenspace area.

Design and construction of the project is programmed in 2022.



NEW Smiley Park Connection

This project proposes a shared-use path connection from the existing path to the parking lot for 6063 Frantz Road. The connection would require the donation of a permanent easement from the property owner. The path connection was requested by a company in the area to allow for access to the existing path.

Design and construction of the project are reflected beyond the five-year program period.

NEW Blazer Parkway Sidewalk Improvement

This project includes the design and construction of a sidewalk along the west/north side of Blazer Parkway, on the opposite side of the existing shared-use path, connecting bike and pedestrian facilities between Blazer Parkway between Rings Road and Frantz Road with a connection to the existing sidewalk to Smiley Park. This project also provides an opportunity for pedestrian connection for COTA routes along Rings Road, Frantz Road and Blazer Parkway.

The connection would require the donation of permanent easements from the property owners. Design is programmed in 2025 and 2026, with construction and utility work reflected beyond the five-year program period.

NEW Memorial Drive Connector – Shared-Use Path

This project includes the design and construction of a shared-use path along the north side of Memorial Drive, connecting the existing path along Dublin Road to the existing neighborhood path on Tibbermore Court.

Funding for design is programmed in 2023, with easement acquisition, construction, utility work and landscaping planned in 2024.

NEW Din Eidyn Drive Path Connection – Glick Road to Lerwick Drive

Limestone

This project includes funding for the design and construction of a shared-use path along the west side of Din Eidyn Drive, connecting the new shared-use path along Glick Road to the existing path along Din Eidyn Drive. The plan also includes a crossing at Lerwick Drive. This project provides residents easier access to the neighborhood center amenities (pool, park, tennis courts). It also improves the crossing at Lerwick Drive, bringing it up to current ADA standards, where the only current form of access from the path is entering the middle of the intersection.

Funding for design is programmed in 2022, with easement acquisition, construction, and utility work planned in 2023.

NEW Muirfield Drive at Sells Mill Drive – Pedestrian Crossing Improvement

This project includes the study, design, and construction of a crossing system, such as a pedestrian hybrid beacon or High Intensity Activated Crosswalk (HAWK) at the intersection of Muirfield Drive at Sells Mill Drive, near the Scottish Corners Elementary School. This project provides residents and students an easier way to cross four travel lanes and a median on Muirfield Drive at Sells Mill Drive. A pedestrian activated system would alert drivers of pedestrians with lights and signs.



Funding for design is programmed in 2022 and 2023, with construction and utility work planned in 2024.





TRANSPORTATION – MOBILITY CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

AL203 Mobility Priority Area - Shared Micro-Mobility (Bike Share and Scooters)

This project provides funding to develop a bikeshare program for Dublin residents, business employees and visitors. A bikeshare program was the most requested project from the Phase 1 Mobility Study surveys and public forums.

CoGo expansion (a public bicycle sharing program serving Columbus Ohio and its suburbs) is a possible regional solution that could gain funding through MORPC, with a 20% local match. Each CoGo station costs about \$50,000 for installation. If MORPC funds are successful, with a 20% local match 5 locations could be funded vs one station without funding. eBike and eScooter shares are also being explored.

This project provides annual funding for a local match for grant opportunities to develop a bikeshare program for Dublin residents, business employees and visitors.

NEW Autonomous Shuttle Circulator

This project will provide funding for a Study of autonomous vehicle options for ride-share and/or micro-transit. The project also includes the purchase (or lease) and launch of a new vehicle to be used in key locations in Dublin. The project promotes ridesharing and trip reduction across the roadway network. The Study will evaluate vehicle options, operating speed, number of passengers, route options, and service. It will also develop specifications for the vehicle, research and recommend code updates, and integrate with the US 33 Smart Corridor-Connected Dublin. The project will launch the autonomous micro-transit vehicle in Dublin.

Funding in 2022 provides for the Study, with necessary construction and equipment in 2023, and additional equipment and/or appurtenances funded in 2024, 2025, and 2026.

NEW LinkUs: Northwest Corridor Study

The LinkUs: Northwest Corridor Study (from SR 161/W. Dublin-Granville Road, and Sawmill Road to the COTA Park & Ride on Dale Drive) will look at the corridor and provide recommendations on high capacity and rapid transit alignment options, technology solutions, bike and pedestrian improvements, and land-use changes.

Funding for studies and design for this project is reflected beyond the five-year program period.

NEW COTA Bus Shelters

This project will expand investments in mobility initiatives in Dublin, and ultimately increase ridership for the Dublin Connector shuttle. There are currently 30 COTA bus stops in Dublin. A significant number of these lack basic amenities, which dissuades potential riders from using transit and micro-transit options. The project will provide amenities such as shelters and street furniture, and work to include additional smart mobility features as may be available, in order to increase access and use of transit.



The project plans to focus on three to five locations at first (565 Metro Place S., SR 161 at Sawmill, Frantz Road and W. Bridge Street, and the 5200 Blazer Parkway area.

Funding is reflected in 2022 for studies and design prototypes, and construction in 2023. Additional locations may be added based in future years based on findings, and impacts on ridership.

NEW Mobility Priority Area – Mobility Hubs Pilot

Funding for this project will guide investments in mobility hubs in Dublin, and provide recommendations on style, materials, and placemaking elements for each proposed mobility hub location. This project will inform the design of each mobility hub through analysis of Dublin's zoning code and applicable guidelines in addition to community-driven recommendations for placemaking elements. Locations for the hub projects may include the Dublin Community Recreation Center, Dublin Library parking garage, North Market Bridge Park, Frantz Road and Metro Place N. Future locations could include a COTA Park & Ride, Dublin City Hall, Emerald Pkwy & Coffman Road, Dublin Service Center, Dublin Arts Council, Glacier Ridge Metro Park (North and South), Dublin Methodist Hospital, OU's Dublin branch campus, OSU Medical Facility, Community Pools (North and South) Eiterman Road COTA Park & Ride, Grewstone Mews, Frantz & Rings Roads, East Plaza and Riverside Crossing Park.

Funds are programmed in 2022 for design and 2023 for construction. It is anticipated that four hubs will be constructed in 2023. Funding for additional sites will be requested based on the project outcome of the first four pilot hubs.

NEW Neighborhood Mobility Program

This project funds studies to engage and encourage residents to support neighborhood-level mobility in the City of Dublin. Residents will have the opportunity to identify areas to remove "road-blocks," increase comfort and reduce stress for bicycle, pedestrian, micro-mobility and micro-transit options. Once obstacles are identified, funding requests will be made for associated construction projects.

An annual funding allocation is programmed for each year of the five-year program.

13-Transportation – Bridges & Culverts



CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
TRANSPORTATION - BRIDGES AND CULVERTS										
CAPITAL MAINTENANCE										
AT22C	Annual Vehicular Bridge Maintenance	1,275	1,625	1,005	900	575	575	4,680	650	5,330
AT228	Annual Pedestrian Tunnel Maintenance	450	70	480	5	35	15	605	100	705
AT22B	Concrete Sealing Maintenance	70	0	70	0	70	0	140	70	210
AT22D	Annual Culvert Maintenance	400	170	15	105	15	75	380	0	380
AT22H	Annual Pedestrian Bridge Maintenance	75	245	180	190	225	265	1,105	150	1,255
NEW	Dublin Link Bridge Maintenance	0	20	20	30	90	40	200	0	200
TOTAL		2,270	2,130	1,770	1,230	1,010	970	7,110	970	8,080
CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE										
ET16B	John Shields Parkway Bridge	0	0	0	0	0	0	0	36,050	36,050
ET215	Tuller Road to Emerald Parkway Over 270 Crossing (TIF)	160	225	0	0	0	0	225	6,865	7,090
ET216	Crossing Over US33 West of Avery-Muirfield	150	0	0	0	0	0	0	0	0
NEW	Crossing Over I-270 Shier Rings Road to Metro Place	0	0	250	0	0	0	250	0	250
TOTAL		310	225	250	0	0	0	475	42,915	43,390
2022-2026	TOTAL - BRIDGES AND CULVERTS	2,580	2,355	2,020	1,230	1,010	970	7,585	43,885	51,470
2021-2025	TOTAL - BRIDGES AND CULVERTS	n/a	740	2,415	1,595	1,855	n/a			
	\$\$ Difference	n/a	1,615	(395)	(365)	(845)	n/a			
	% Difference	n/a	218.2%	-16.4%	-22.9%	-45.6%	n/a			

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



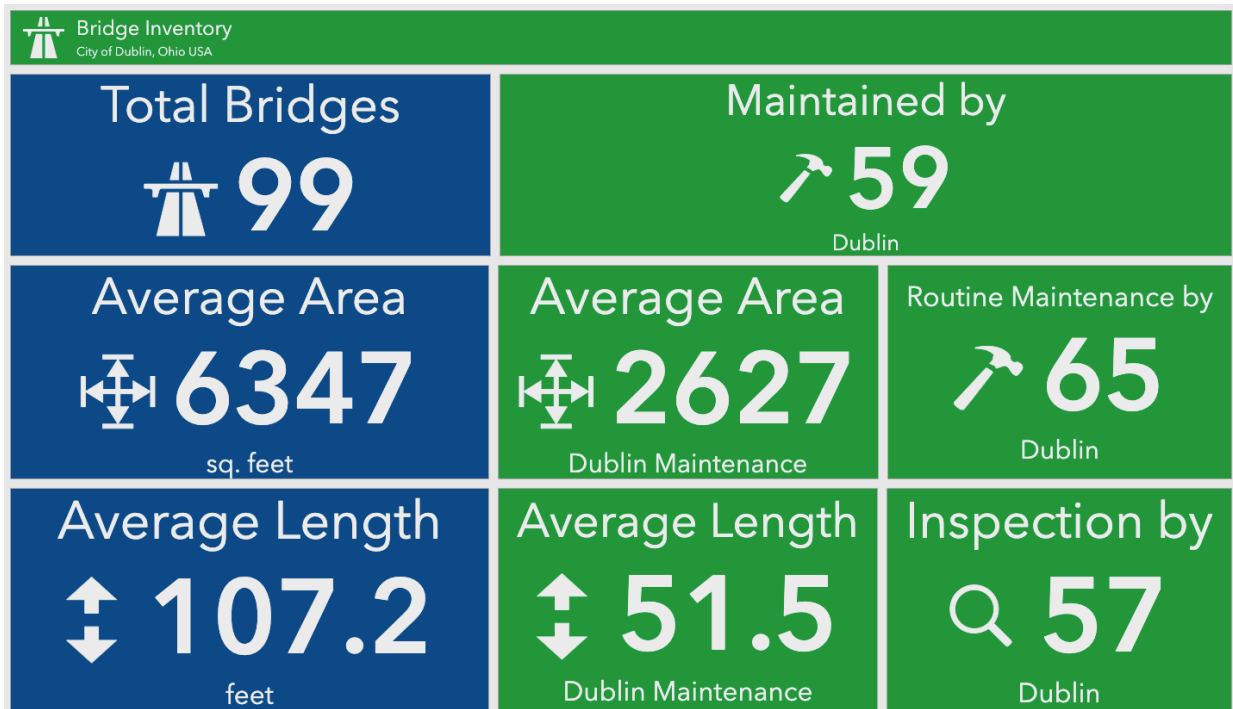
TRANSPORTATION – BRIDGES AND CULVERTS CAPITAL MAINTENANCE

AT22C Annual Vehicular Bridge Maintenance

This project provides annual funding for vehicular bridge maintenance. By definition in the Ohio Revised Code, there are currently 91 vehicular bridges within Dublin corporation limits. Of those, City of Dublin is fully responsible for the maintenance and inspection of 59 bridges and responsible for the routine maintenance of six bridges. The remaining bridges are maintained and inspected by the respective Counties, or ODOT. The bridge inventory is on-file in the Public Works Department. The most recent inspections were performed in 2020 by the Franklin County Engineer office on behalf of the City.

Preventive maintenance tasks are deck overlay, railing repair or replacement, replace superstructure, sealing, deck patching, and replace joints. 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 drainage system, and cleaning and resetting the rockers. Many of these preventive maintenance tasks will be completed by City staffed maintenance crews; therefore, no annual CIP funds are budgeted for this purpose.

The City’s average general vehicular bridge condition appraisal is 7.5, with a goal of 7.



Following is the 2022 plan. A comprehensive Work Plan for Vehicular Bridge Maintenance, including condition scores is on-file in the Asset Management and Support Services Department.



Work Plan

Work Plan Year	Location1	SFN	Rehab Work	
2022	Frantz Road over Craner Ditch	2568802	SMP	0
	Liggett Rd over S Fork Indian Run	2568713	SMP	0
	Murfield Drive over Muirfield Bikepath	2568950	SMP	0
	Shawan Falls Dr over S Fork Indian Run	2568772	Bridge Replace & Widen	1,399,919
Total				\$1,399,919

Note: Figures above do not include site acquisition and utilities. For budgeting purposes, amounts have been rounded.

AT228 Annual Pedestrian Tunnel Maintenance

This project provides annual funding for pedestrian tunnel maintenance, with design and studies in 2022, 2024, and 2026 with repairs and maintenance programmed in 2023 and 2025. There are currently 30 pedestrian tunnels within Dublin corporation limits. Of those, 13 meet the Ohio Revised Code’s definition of a bridge and are inventoried, and inspected as bridges with the maintenance programmed as part of Annual Bridge Maintenance. The remaining 17 pedestrian tunnels are included in this work plan. Fourteen of those tunnels are part of the Muirfield Association’s path system and the remaining three tunnels are part of the Muirfield Country Club’s path system. The City is responsible for the maintenance, repair, and replacement of all of these tunnels since they are an integral part of the City’s roadway structure and they are located in the public right-of-way.

Work Plan

Work Plan ..	Rehab Work	Location Description	
2023	Replace Headwalls	Memorial Dr SW of Berkshire Ct	481,500
	Total		\$481,500.00
2025	Seal Joints	Avery Rd South of Glick Rd	5,600
		Avery Road & Woerner Temple	5,600
		Emerald Parkway & Dublin Road	5,600
		Muirfield Dr South of Whittingham Dr	11,200
		Woerner Temple West of Emerald Parkway	5,600
Total			\$33,600.00

Note: For budgeting purposes, amounts have been rounded.

Typical maintenance work tasks included in this project are pipe lining, replacing stone-facing on headwalls, removing and replacing headwalls, replacing guardrails, and patching corroded areas. Preventive maintenance for these structures includes 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.

A comprehensive work plan for Pedestrian Tunnel Maintenance, including condition scores is on-file in the Asset Management and Support Services Department.



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 79.4.



Typical headwall to be replaced and made vertical

AT22B Concrete Sealing Maintenance

This project provides annual funding for the sealing of concrete where the sealer has deteriorated or the concrete has aged and needs refreshed but is otherwise in good condition. Concrete will 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 being sealed. Staff perform periodic citywide canvases to determine areas to be sealed.

Funding is programmed for this work on a biennial basis in 2021, 2023, and 2025.

AT22D Annual Culvert Maintenance

This project provides funding for culvert maintenance and replacement. By definition of the Ohio Revised Code, City of Dublin is fully responsible for the maintenance of all culverts under public roadways within the city. For inventory purposes, a culvert is defined as a structure greater than a 3-foot span but less than a 10-foot span, under a street or driveway, and open on both ends. Otherwise, the structure is inventoried as part of the City’s storm sewer system.

Culvert inspections were performed on most City of Dublin maintained structures in 2020. There are currently 67 culverts within City of Dublin’s corporation limits. Of those, the City maintains fifty-eight culverts and the remaining are maintained by ODOT. The most common type of culvert in the City is a reinforced concrete pipe



structure. A comprehensive work plan based on the 2020 inspections for culvert maintenance, including condition scores is on-file in the Asset Management and Support Services Department. Some culverts were difficult to access and will need maintenance performed in order to access and perform inspections.

Preventive maintenance activities for these structures includes keeping the culvert free of debris and addressing any erosion at the headwalls. Maintenance and replacement of the City’s culverts are important to maintain storm water flow as well as guarantee the safety of the public using these structures.

Funding is programmed for this work with study and design in 2022, and 2024, and repair in 2022, 2024, and 2026. The locations selected for work have below average condition scores.

Work Plan

Work Plan ..	Location1	Length	
2022	Dublin Rd, S of Limerick Ln	58	39,208
	Muirfield Ct	157	106,132
	Total		\$145,340
2024	6193 Dublin Road	40	28,600
	Dublin Rd N of Killilea Dr	52	37,180
	Dublin Rd, N of Settlers Rd	55	39,325
	Total		\$105,105
2026	Riverside Dr, N of Tuller Rd	102	76,908
	Total		\$76,908

Note: For budgeting purposes, amounts have been rounded.

AT22H Annual Pedestrian Bridge Maintenance

This project provides funding for pedestrian bridge maintenance. This project does not include the new Dublin Link Bridge.

There are currently 67 pedestrian bridges within the Dublin corporate limits. The City is fully responsible for the maintenance and inspection of 39 of these bridges. The remaining bridges are maintained by private entities. City Staff inspect the pedestrian bridge inventory annually. A comprehensive work plan for Pedestrian Bridge Maintenance, including condition scores, is on-file in the Asset Management and Support Services Department. The average condition score of the City’s inventory is 67.4, with a goal of 70.

Bridges are an expensive asset to replace and preventative maintenance is key to extending their useful life. Some critical preventive maintenance tasks include: keeping bridge free of debris, painting and staining wood, and repairing railings or loose floor boards. These type of tasks are able to be completed by City staffed maintenance crews. Funds are programmed on an annual basis for design and repair work.



Work Plan

Work Plan Year	Location1	Avg. Condscore	Distinct count of Facility ID	iEstimate
2022	Behind Caplestone	60	1	62,462
	Behind retirement village	60	1	47,590
	Bikepath near New Grang..	55	1	44,616
	Corazon	62	1	37,180
	Total	59	4	191,849
2023	At End of Settlers Place	55	1	70,941
	Brigids Close Dr	70	1	66,768
	W of Bellfield Dr	62	1	16,692
	Total	62	3	154,401
2024	Kosciuszko Park (Near To..	70	1	52,624
	Rings Rd N	70	1	50,336
	Riviera	60	1	57,200
	Total	67	3	160,160
2025	Hutchins Open Space	70	1	71,635
	Off Earlsford Dr	60	1	49,650
	Riviera	60	1	69,888
	Total	63	3	191,173
2026	Connect Forest Run Dr to ..	70	1	156,832
	Rings Rd North Side	60	1	84,599
	Total	65	2	241,431

Note: Design cost and right-of-way acquisition is not included in amounts in the table above. For budgeting purposes, amounts have been rounded.

NEW Dublin Link Bridge Maintenance

The Dublin Link Bridge opened to pedestrian and walking bicycle traffic in 2020. It is located over the Scioto River between I-270 and SR-161. Funding provides for maintenance of the Dublin Link Bridge including lighting systems. It is anticipated that work will be needed for the hanger cable lights, upper keyhole, lower keyhole, handrail lights, and linear pylon lighting. Funding also is included for maintenance and/or /trouble shooting activity inside the girder.

Funding under this CIP Proposal is to make provisions for ongoing maintenance of the lighting systems after the warranty period expires, and for enhancements to the lighting



systems that become needed once the City has some experience with these systems.

Minimal funding is included annually; funding shown in 2025 includes \$60,000 for deck sealing.



TRANSPORTATION – BRIDGES AND CULVERTS CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

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 Scioto River. A structure-type study began in February 2016 as part of a comprehensive evaluation of the floodway/floodplain impacts of the pedestrian bridge and other proposed parkland improvements. Funding includes a signal at Dublin Road and signal reconfiguration at Riverside Drive. The bridge span is approximately 715 feet long.

Reflected beyond the five-year program period is funding for design, project site acquisition (one parcel) and construction costs. Updated costs are anticipated to be necessary when the project advances.

ET215 Tuller Road to Emerald Parkway Over I-270 Crossing

This project provides for an evaluation of a new crossing over I-270 from Tuller Road to Emerald Parkway. This is a result of the Sawmill/Snuffer Intersection Improvement Study. The location of the project is at the eastern most part of the Bridge Street District, connecting Tuller Road on the south side of I-270 with Emerald Parkway on the north side of I-270. The project includes analyzing the benefits of a new bridge over I-270 and is in lieu of widening Sawmill Road to 7-lanes (with support from the City of Columbus). This study will include an evaluation of the location of the bridge crossing; how the roadway network and associated land uses impact the Bridge Street District and connections to SR 161, and how to tie the bridge into Emerald Parkway to the north.

The study is programmed in 2021 and 2022, with a cost estimate for a new vehicular bridge reflected beyond the Five-year program period. The Tuller TIF will provide funding for the project, as resources are available.

ET216 Crossing Over US 33 West of Avery-Muirfield Drive

The purpose of this project is to evaluate a new crossing over US 33 west of Avery-Muirfield Drive. This is a result of the traffic projections associated with the OSU Medical Center and University Boulevard projects. The project includes analyzing the benefits of a new bridge over US 33 between the interchange crossings at SR 161/Post Road and Avery-Muirfield Drive. An evaluation and analysis will be made for the location of the bridge crossing, and how the roadway network and associated land uses may be impacted.

The study is programmed in 2021. An estimated cost of the project is not yet projected or programmed.



NEW Crossing Over I-270, Shier Rings to Metro Place

Funding for this project is to evaluate a new crossing over I-270 between Shier Rings Road and Metro Place. This project will distribute traffic away from the congested corridors of US 33/SR 161 and Frantz Road. The crossing may provide redevelopment opportunities for the Metro Center, and furnish shorter routes from these sites to other commercial areas in Dublin. This work will also include an evaluation of the location of the bridge crossing, and determine how the roadway network and associated land uses are impacted.

Funding for the Study is programmed in 2023. Anticipated additional work will be reviewed after completion of the Study.

14-Transportation- Streets & Parking

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
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TRANSPORTATION - STREETS AND PARKING

CAPITAL MAINTENANCE

AT221	Annual Street Maintenance Program	6,615	6,200	6,950	7,130	7,486	7,852	35,618	8,445	44,063
AT22A	Annual Guardrail Replacement & Maintenance	190	160	245	170	130	155	860	125	985
AT227	Annual Parking Lot Maintenance	125	110	80	165	155	75	585	125	710
AT22E	Annual Retaining Wall and Decorative Wall Maintenance	125	50	50	50	50	50	250	50	300
AT22F	Annual Pavement Preventive Maintenance	585	500	550	625	680	705	3,060	735	3,795
AT22G	Traffic Signal/Electrical Infrastructure Maintenance Program	165	75	200	180	175	200	830	0	830
AT191	Shier Rings Park Wall Rehabilitation	130	0	0	0	0	0	0	0	0
AT212	Hayden Run Wall and Fence Repair	35	250	0	0	0	0	250	0	250
AT224	Downtown Paver Maintenance	150	0	150	0	150	0	300	150	450
NEW	Hawk's Nest Pond Retaining Wall	0	100	0	0	0	0	100	0	100
TOTAL		8,120	7,445	8,225	8,320	8,826	9,037	41,853	9,630	51,483

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)	0	0	0	0	0	0	0	15,850	15,850
ET142	Avery Road Widening - Rings Road E. to Woerner Temple, phase 2 (TIF)	0	0	0	0	0	0	0	6,775	6,775
ET202	Avery Road and Rings Road/Cara Road Interim Intersection Improvement (TIF)	2,500	0	0	0	0	0	0	0	0
ET066	Eiterman Road Relocation (TIF)	1,745	1,805	4,120	0	0	0	5,925	0	5,925
ET164	University Boulevard Extension, phase 3 (TIF)	0	0	0	0	0	0	0	2,160	2,160
ET517	Shier Rings Road Realignment - Eiterman Road to Avery Road (University Blvd, phase 2)	10,100	0	0	0	0	0	0	0	0
ET523	Perimeter Drive Widening - Holt Road to Commerce Parkway (TIF)	0	0	185	0	0	0	185	5,055	5,240
ET17H	Post Road to Frantz Road Intersection Study	0	0	0	0	0	0	0	8,500	8,500
ET17L	Rings Road Utility Burial (Churchman Rd to Eiterman Rd)	0	0	0	0	0	0	0	680	680
ET17M	River Forest Storm and Roadway Improvement	0	0	1,800	0	0	0	1,800	0	1,800
ET158	Sawmill Road - Snouffer Road Intersection Improvements	0	0	0	150	0	0	150	6,865	7,015
ET003	US33/SR161/Post Road Interchange	300	34,060	0	0	0	0	34,060	0	34,060
ET518	Hyland-Croy & Post Preserve Intersection Improvement (TIF)	0	300	1,840	0	0	0	2,140	0	2,140
ET092	Post Preserve Access Modification (TIF)	250	1,630	0	0	0	0	1,630	1,485	3,115
ET089	Hyland-Croy / McKittrick Road Roundabout	0	300	2,185	0	0	0	2,485	0	2,485
ET157	Post Road Improvements	0	0	0	0	0	0	0	6,520	6,520
ET17U	Riverside Drive/Summit View Road Intersection and Shared-Use Path	0	0	0	250	60	1,960	2,270	0	2,270
ET185	Cosgray and Rings Roads Intersection Improvements	0	0	0	0	0	250	250	0	250
ET186	Riverside Drive at Martin Road Roundabout and Access Management	0	0	0	0	0	0	0	10,700	10,700
ET187	Frantz Road Streetscape Improvements	0	0	0	0	0	0	0	1,130	1,130
ET181	Franklin Street Improvements - Waterford Drive to Sells Alley	70	755	0	0	0	0	755	0	755
ET203	South High Street Utility Burial, phase 1	1,825	0	0	0	0	0	0	0	0
NEW	South High Street Utility Burial, phase 2	0	1,300	0	0	0	0	1,300	0	1,300
ET111	Railroad Quiet Zone, Houchard Road to Leap Road	0	0	0	0	0	0	0	25	25
ET17I	Shawan Falls Extension, phase 1	0	0	0	0	0	0	0	6,730	6,730
ET159	Dale Drive Rehabilitation	0	0	0	0	0	0	0	6,295	6,295
ET161	Tuttle Crossing Blvd., phase 2	0	0	0	0	0	0	0	34,130	34,130
ET811	Avery and Shier-Rings Road Intersection Improvements (University Blvd, phase 2)	7,020	0	0	0	0	0	0	0	0
ET193	Hyland-Croy Road Corridor Improvements (see Note A below)	0	150	0	1,300	3,340	10,830	15,620	0	15,620
ET204	Franklin Street Extension	410	2,730	0	0	0	0	2,730	0	2,730
ET217	Emerald Parkway at Emerald Parkway Campus Improvements	0	0	250	2,350	0	0	2,600	0	2,600
ET219	Frantz Road Alternative Transportation Lane	150	150	0	0	0	0	150	0	150
ET21A	Shier Rings Road and Eiterman Road Roundabout	0	0	155	155	1,235	0	1,545	0	1,545
ET21B	University Boulevard and Shier Rings Road Right Turn Lane	0	0	0	0	0	0	0	355	355
NEW	Rings Road Improvements, Phase 1 (Churchman to Royal Dublin)	0	0	275	150	2,000	0	2,425	0	2,425
NEW	Post Preserve Blvd Connection Removal	0	50	300	0	0	0	350	0	350
NEW	SR 161/Riverside Drive Curb Modifications	0	0	0	0	0	200	200	0	200
NEW	Street Light Churchman Rd at Ballantrae Woods Drive/Wind Rose Way	0	0	0	0	15	50	65	0	65
NEW	Street Lighting Improvements and Maintenance (Historic Dublin and Tuller Road)	0	0	75	250	0	0	325	120	445
Parking Projects:										
ET17A	Smart Parking Infrastructure	400	300	200	50	50	50	650	0	650
TOTAL		24,770	43,530	11,385	4,655	6,700	13,340	79,610	113,375	192,985

2022-2026	TOTAL - STREETS AND PARKING	32,890	50,975	19,610	12,975	15,526	22,377	121,463	123,005	244,468
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2021-2025	TOTAL - STREETS AND PARKING	n/a	20,090	25,010	13,135	10,460	n/a
	\$\$ Difference	n/a	30,885	(5,400)	(160)	5,066	n/a
	% Difference	n/a	153.7%	-21.6%	-1.2%	48.4%	n/a

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

Note A - Multiple jurisdictions will be involved in this project. A portion of the costs budgeted in the worksheet will be funded through outside sources.

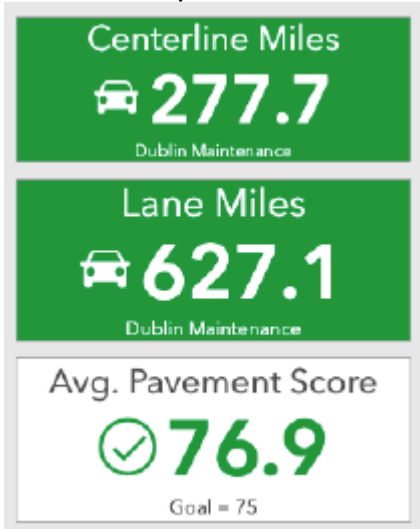


TRANSPORTATION – STREETS AND PARKING CAPITAL MAINTENANCE

Note: The funding source for the following projects is the Capital Improvements Tax Fund unless otherwise stated.

AT221 Annual Street Maintenance Program

Funding for this project provides 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 278 center line miles of city-maintained pavement with an equivalent 627.8 lane miles (assuming 12' lane width)



within Dublin corporate limits; these numbers include all public roads, including state routes with the exception of I-270. All Dublin roadways have an asphalt wearing surface and nearly all streets are full depth asphalt; the remaining few instances are composite pavement. The pavement was inspected in 2019 by Transmap, Inc. using laser scanning technology to measure distress and calculate a Pavement Condition index (PCI) score. The current average PCI of the system is 76.9 with an overall system goal of 75, which equates to "good" condition. In 2021, the pavement condition data will be obtained with a new technology using artificial intelligence (AI) and a new inspection methodology.

The factors used to prioritize and select streets for inclusion in the program includes: 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 the condition of the existing curb and gutters are evaluated. That work is aligned with the pavement work. A comprehensive work plan for Pavement Maintenance, including detailed condition scores, is on file in the Asset Management and Support Services Department. Routine maintenance is addressed by City staff including pothole patching, spot asphalt repairs, berm repairs, and spot concrete curb repairs.

The annual cost estimates funded in the five-year program are based on average per lane mile historical costs of Dublin resurfacing contracts. The Street Maintenance Work Plan is on-file in the Asset Management and Support Services Department.

AT22A Annual Guardrail Replacement and Maintenance

This project provides annual funding for the guardrails within the City of Dublin to be maintained and/or replaced in compliance with current standards. There are 250 guardrail locations within or touching the City limits. Of that total, the City of Dublin



maintains 189 locations totaling nearly 30,000 feet of guardrail. The remaining locations are maintained by the State, Franklin County, or private entities. Of the guardrail maintained by City of Dublin, 113 are metal and the remaining 76 are wood.

Work Plan Year	Rehab Work	Location1		
2022	Full Replace - Metal	AVERY RD NE RAMP	18,727	
		LIGGETT RD	39,480	
		RIVERSIDE DR	16,845	
	Full Replace - Wood	MACBETH DR	39,483	
		Paint	AVERY RD	5,663
	MEMORIAL DR		1,863	
	MUIRFIELD DR		4,869	
	Total			\$126,931
	2023	Project Replacement	BRANDONWAY DR	
MEMORIAL DR				
MONTEREY DR				
Full Replace - Wood		AVERY-MUIRFIELD DR	114,067	
		MEMORIAL DR	82,888	
		SUMMIT VIEW RD	19,774	
Paint		BRAND RD	3,378	
Total			\$220,107	
2024	Project Replacement	DUBLIN RD		
	Full Replace - Wood	BRIDGE ST	97,545	
		OLD WILCOX RD	42,857	
	Paint	AVERY RD	10,373	
		GLICK RD	3,274	
	Project Replacement	BRIGHT RD		
Total			\$154,050	
2025	Full Replace - Wood	GLICK RD	72,335	
	Paint	ARYSHIRE DR	3,217	
		COFFMAN RD	422	
		CONCORD RD	2,815	
		DUBLIN METHODIST LN	3,415	
		DUBLIN RD	1,406	
		HYLAND-CROY RD	10,639	
		MEMORIAL DR	7,613	
		MUIRFIELD DR	2,429	
		POST RD	3,684	
Total			\$107,974	
2026	Full Replace - Metal	JEROME RD	25,263	
	Full Replace - Wood	BRAND RD	32,714	
		SUMMIT VIEW RD	56,375	
	Paint	BRAND RD	21,564	
	Total			\$135,916

Note: Design costs are not included in the table above. For budgeting purposes, amounts have been rounded.

A comprehensive inventory and inspection was performed in 2020 of the existing guardrails in the City of Dublin. A five-year Work Plan has been developed in support of the funding requests, and is on file in the Asset Management and Support Services



Department. The inspections take the condition of the rails and posts into consideration and also evaluate the alignment and protective coating conditions. The inspections also verify that the guardrail meets the height criteria. The average condition score is 74.4 which meets the goal of 70 or “good.” Preventive maintenance is performed by City staff in the form of guardrail painting and clearing vegetation to prohibit and slow corrosion. Routine maintenance is performed by City staff by repairing minor damages.

AT227 Annual Parking Lot Maintenance

This project provides for the maintenance of the City’s parking lots. There are 95 inventoried public parking locations in the City of Dublin including lots and on-street parking locations. The public parking lots total approximately 6,000 parking spaces.

The average condition score of the parking lots is 67.1 with a goal of 70, which equates to “good.” A comprehensive work plan for parking lot maintenance, including detailed condition scores is on file in the Asset Management and Support Services Department. The work plan is based on 2020 parking lot inspection data. On-street parking is not included in these inspections or in this work plan. A portion of the work plan funding is set aside for preventive maintenance activities, which include crack sealing and sealcoating. These preventive maintenance strategies will help preserve the life of the parking lots by helping to seal out water to prevent subgrade saturation and freeze-thaw damage. Routine maintenance is performed by City staff and includes lot sweeping, minor curb repairs, spot asphalt repairs, drainage repairs, and minor striping. An annual funding amount is reflected during the five-year program period based on projects to be completed by year.





Work Plan

Work Plan Year	Rehab Work	Location	Count	Estimate
2022	Spot Repair, Crackseal, Sealcoat	Service Complex Rear Drive	1	\$18,128
		Service Complex Rear Lot	1	\$91,329
		Total	2	\$109,457
	Total		2	\$109,457
2023	Crackseal & Sealcoat	Darby Street Parking Lot	1	\$5,494
		Darree Fields Miracle League Lot	1	\$2,901
		Darree Fields West Entrance Drive	1	\$5,480
		Indian Run Elementary North Parking Lot	1	\$4,565
	Total	4	\$18,440	
	Resurface	Darree Fields West Drive	1	\$55,937
		Total	1	\$55,937
	Spot Repair, Crackseal, Sealcoat	Darree Fields Ball Diamond West Lot	1	\$7,173
		Total	1	\$7,173
	Total		6	\$81,550
2024	Resurface	Darree Fields Soccer Center N Lot	1	\$45,079
		Darree Fields Soccer Center S Lot	1	\$45,590
		Quad 5	1	\$74,537
	Total	3	\$165,206	
Total		3	\$165,206	
2025	Crackseal & Sealcoat	Darree Water Tower North Lot	1	\$1,611
		Dublin Arts Center Lot	1	\$3,615
		Town Center I Parking Lot	1	\$2,581
	Total	3	\$7,807	
	Resurface	Darree Fields Soccer West Lot	1	\$147,747
		Total	1	\$147,747
Total		4	\$155,555	
2026	Crackseal & Sealcoat	Ballantrae Park Lot	1	\$5,474
		Darree Fields South Drive	1	\$6,705
		John Wright Lot	1	\$807
		Llewellyn Farms Park Lot	1	\$1,691
	Total	4	\$14,677	
	Resurface	Ted Kaltenbach Park Lot	1	\$61,457
		Total	1	\$61,457
	Total		5	\$76,134

Note: Design costs are not included in the table above. For budgeting purposes, amounts have been rounded.

AT22E Annual Retaining Wall and Decorative Wall Maintenance

This project provides annual funding for maintenance of the City’s retaining and decorative walls. In August 2016, an inventory of all the walls in Dublin was conducted with an update in 2017; walls 36” or taller and adjacent to the roadway were inventoried. Walls inside parks or any other location not near the roadway right-of-way were not inventoried. There are 254 wall locations within the City limits totaling approximately five miles in length. Of that total, the City of Dublin maintains 154 wall locations totaling 17,000 feet. The remaining locations are maintained by Franklin County or private entities. The vast majority of the wall types are stone. There is also a significant number of concrete walls as well as a few timber walls and mechanically stabilized earth walls. The focus of the retaining wall work plan is to address and prioritize structural problems while also focusing on the aesthetics of the wall. Preventative maintenance is mainly performed through our concrete sealing contract.



A comprehensive work plan for Wall Maintenance, including detailed condition scores is on file in the Public Works Department.

Funding is programmed for this project on an annual basis for repair, design and construction.

AT22F Annual Pavement Preventive Maintenance

Funding this project provides for the annual pavement preventive maintenance (PM) in the form of crack sealing, spot repair, pavement rejuvenators and other strategies. Preventive maintenance is a planned strategy of cost effective treatments to an existing roadway system that preserves the system, decelerates 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.

The annual allocation cost estimates funded in the five-year program are based on dividing the square yards of pavement that meet the PM criteria by five years and multiplying by the average PM costs and inflated using ODOT’s inflation calculator.

AT22G Traffic Signal/Electrical Infrastructure Maintenance Program

This project provides funding for the replacement of traffic signal controller cabinets and replacement of traffic signal wire at existing traffic signal locations. This work is necessary due to aging of the infrastructure, upgrading equipment, or needing to improve maintenance access.

Funding provided is for design work in 2022 with projects beginning in 2023 and occurring annually thereafter.

Locations:

- 2023 work - Frantz Road at Metro Place South (cabinet & wiring)
 - Frantz Road corridor (wiring & detection upgrades)
- 2024 work - Bridge St, Dublin-Granville Rd, Dublin Center Dr, Bridge Park, Riverside Dr & Dublin Rd to Emerald corridors (wiring & detection upgrades)
- 2025 work - Avery-Muirfield & Emerald Pkwy corridors (wiring & detection upgrades)
- 2026 work - Rings Road, Blazer Pkwy, and Woerner-Temple Road corridors (wiring & detection upgrades)



AT19I Shier Rings Park Wall Rehabilitation

This project provides funding for rehabilitation of the cast-in-place concrete and stone veneer walls surrounding portions of the pond located at Shier Rings Park. The stone veneer has begun to delaminate from the concrete and is posing a concern at the edge of the water. The best course of action is to modify the wall height and replace the stone veneer.

Funding is programmed in 2021 for repair/construction.

AT212 Hayden Run Wall and Fence Repair

This project provides for the repair and replacement of capstones on the top of the stone wall on the north-east corner of Hayden Run and Dublin Road, and will replace corroded fence posts and anchors. Leaning sections of fence will be re-set. The wall length is estimated at 700 feet long.

Study and design of the project is programmed for 2021, with construction and repairs planned in 2022.

AT224 Downtown Paver Maintenance (Roadway)

This project includes the reconstruction of damaged or settled brick pavers within the Downtown District.

A biennial allocation is programmed for these repairs starting in year 2021.

NEW Hawk's Nest Pond Retaining Wall

This project provides funding for retaining wall repairs around the pond in the Hawk's Nest neighborhood, as it is failing. Repairing the wall will maintain its structural integrity and prevent failure of the retaining system.

Funding is programmed in 2022 for construction of this project.



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 gutters, bikeway, sidewalk, street lights, traffic signals, a multi-use tunnel and landscaping.

Site acquisition and improvements continue to be on-going. However, the project construction and related landscaping is reflected beyond the five-year program and on-hold until funding sources can be fully identified.

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 feet in length; street lighting; and a bridge over Cramer Ditch. The widening will tie into the Tuttle Crossing Boulevard (ET013) and Avery Road improvements project, just north of Rings Road west.

Project design, site acquisition and construction are reflected beyond the five-year period. Construction is intended to follow the Tuttle Crossing Boulevard Extension project.

ET202 Avery Road and Rings Road/Cara Road Interim Intersection Improvement

This project provides for a temporary intersection improvement at the intersection of Avery Road and Rings Road/Cara Road. The project includes a traffic signal and left turn lanes on each approach, with right turn lanes added for eastbound and southbound traffic. Right-of-way needs for this project fit within the Tuttle Crossing Boulevard Extension and Avery Road Improvements project, which are currently being acquired.

Traffic at the intersection of Avery Road and Rings Road/Cara Road is congested, particularly in the peak hours. The intersection is currently stop sign controlled on the side streets, Rings Road and Cara Road. Avery Road is a free flow movement. There are single lane approaches on all four legs. The interim solution is not intended to service the long-term traffic. Additional through lanes on Avery Road will be needed long-term, as planned with the Tuttle Crossing Boulevard and Avery Road Improvements project and the Avery Road Widening between Rings Road and Woerner Temple Road project.



Funding is programmed for construction in 2021. Construction is scheduled for early 2022.

ET066 Eiterman Road Relocation

This project provides the phase 1 street and utility infrastructure necessary for the Ohio University (OU) Dublin Campus development being planned on the east side of the current campus. The project includes funding for the relocation of Eiterman Road from the S.R. 161/Eiterman Road roundabout project south around the OU campus. Work includes the burial of overhead utilities along Eiterman Road.

This development is being planned as a pedestrian friendly, walkable campus district that can be implemented in phases. Phase 1 will construct 900 feet of boulevard/N. Main Street south of the current Post Road/SR 161 Roundabout and construct 2,100 feet of Eiterman Road realigned.

Budget estimates are based on Preliminary Concept Planning – OU Dublin Campus, dated January 15, 2020. The project funding is programmed in 2021/2022 for design, 2023 for utility work, and 2023 for construction. Funding for this project is planned from the West Innovation TIF.

ET164 University Boulevard Extension, Phase 3

This project provides the next phase of University Boulevard, south of S.R. 161. The project provides funding for extension of 1,375 feet of roadway to support development of the OU campus. Relocated Eiterman Road will connect with University Boulevard Phase 2.

Movement of the project is development dependent. Construction and landscaping are reflected beyond the five-year program period. As funds become available, service payments from the Ohio University (OU) TIF will be the funding source and repay any advance(s) made.

ET517 Shier Rings Road - Eiterman Road to Avery Road (University Blvd., Phase 2)

This project provides programming for the upgrade of the existing two lane road with ditches to a four to five lane road (divided with median) with curbs and gutters within 100 feet of the right-of-way. Possibly a roundabout will be installed at Eiterman Road/Shier Rings Road. Approximately 1,400 ft. of existing Shier Rings Road will be affected and 3,500 ft. of new roadway (University Boulevard) will be constructed.

City Council approved Ordinance 5-16 authorizing the purchase of 73.650 acres, more or less, located at 6600 Shier Rings Road. The timing of the development of this property impacts the need for infrastructure improvements.

Site acquisition, utility relocation, construction and landscaping in 2021. The construction start specified in the EDA is February 2021. The project completion date



is expected to be in late January 2023. The major funding sources for this project will include developer contributions, and General Fund transfers. Project ET811 and ET517 (University Blvd, phase 2) were completed jointly.

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 volume, 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.

Right-of-way acquisition is funded in 2023. Utility relocation and construction is reflected beyond the five-year program period. This project will be funded through service payment revenue received from the Perimeter Center TIF.

ET17H Post Road to Frantz Road Intersection Study

This project provides funding to study the realignment of Post Road to create an intersection with Kilgour Place that is further north of the existing intersection near S.R. 161. This will also provide an alternative route at some future point when S.R. 161/Frantz Road/Post Road intersection is reconstructed. This is approximately 1,550 feet of reconstruction and realignment.

This project is reflected beyond the five-year program period. Outside funding sources will be pursued for the future construction costs of this project.

ET17L Rings Road Utility Burial (Churchman Road to Eiterman Road)

This project is 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 east side of Eiterman Road to 6236 Rings Road, which is where the Tuttle Crossing Boulevard extension project ends burying overhead utilities. Overhead utilities will be placed underground with the Tuttle Crossing Boulevard extension project from Rings Road to Woerner Temple Road, including Rings Road between Eiterman Road and Avery Road.

This project will place the remaining underground aerial utilities within the City of Dublin's corporation limit along Rings Road from west of the Churchman Road/Rings Road roundabout to 6236 Rings Road.

Design, site acquisition, construction and costs of other appurtenances are reflected beyond the five-year program period.

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. Locations for the work is Ashford Road, Indian Hill Road, River Forest Road, and Bennett Court.

Project design is programmed in 2020 with construction funded in 2023.

ET158 Sawmill Road – Snouffer Road Intersection Improvements

This project funded an evaluation of 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. This evaluation is to determine what, if any modifications to the intersection access and configuration are possible. The intersection improvements are not currently funded, and the study was completed for future planning purposes.

Funding programmed in 2024 provides for a study/design of bridge alternatives for a new bridge over I-270 from Tuller Road to Emerald Parkway. This project also includes funding a bridge study to determine what type of bridge would be best across I-270 in this area, as well as a traffic analysis to determine how the new bridge would tie into Emerald Parkway. Costs have not been included in the five-year program period for a new vehicular bridge (*see the Bridges and Culverts Tab in the CIP*).

ET003 U.S. 33/S.R. 161/Post Road Interchange

This project provides for U.S. 33/S.R. 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.

Funding for the construction of the project is currently planned as follows:

US33/161/Post Road	\$	34,060,000
Less: Union County Contribution	\$	(1,000,000)
Less: Developer Contribution (OSU - \$1.25 million already in Fund Balance Calc)	\$	-
Less: Developer Contribution (FedEx)(Union County)	\$	(1,500,000)
Less: ODOT - 6	\$	(880,000)
Less: MORPC Attributable Funds	\$	(10,000,000)
Less: TRAC 2016 Funds	\$	(7,000,000)
Less: TRAC 2019 Funds	\$	(4,250,000)
Less: Union County Contribution (additional, tentative)	\$	(2,500,000)
Less: West Innovation TIF (459)	\$	(2,600,000)
Less: Perimeter Center TIF (425)	\$	(4,330,000)
	\$	-



ET518 Hyland Croy and Post Preserve Improvement

This project provides funding for improvements at a new intersection on Hyland Croy Road for an entrance to the Post Preserve subdivision. This project will likely be advanced, as the US 33 - SR 161 - Post Rd interchange is funded and will change the access to the Post Preserve neighborhood.

Design is programmed in 2021, and will be funded through the Perimeter West TIF. Construction is programmed in 2022, and it is currently anticipated that rights-of-way will be donated. If the timing of the redevelopment of the Gorden property aligns, consideration should be given to construction of the Post Preserve Access Modification (ET092) - design 2021/construction 2022, for efficiency and reduced impact to residents.

ET092 Post Preserve Access Modification

This project provides for extending and connecting Springview Lane and Stillhouse Lane, and then extending 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 U.S. 33/S.R. 161/Post Road.

Study and design is programmed in 2021, with construction and landscape reflected in 2022. This project will coincide with the Hyland Croy and Post Preserve Improvements (ET518). The project will be funded through the Perimeter Center TIF.

ET089 Hyland-Croy Road/McKittrick Road Roundabout

This project will improve an existing two lane country road into a single lane roundabout with curb and gutters, street lights, crosswalks, storm drainage and landscaping. The roundabout will increase intersection capacity, improve sight visibility, and decrease traffic congestion.

Site acquisition is programmed in 2022. Construction, utility relocation and landscaping is programmed in 2023. The developer of Tartan Ridge has contributed \$118,125 towards this project (per the development requirement).

ET157 Post Road Improvements

This project will improve Post Road between Perimeter Drive and Avery-Muirfield Drive providing a standard three 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 funding includes landscaping, sidewalk, shared-use path, curbs and gutters, enclosures of existing ditches, storm sewers, extension of existing box culvert, and street lights. Project funding also includes AEP burial of overhead utility



lines. This improvement project will enhance traffic capacity, provide increased pedestrian/bicycle mobility, and provide access to commercial properties.

Funding for design, right-of-way or easement acquisition, utility work, construction and other appurtenances of the project are shown beyond the five-year program period.

ET17U Riverside Drive/Summit View Road Intersection and Shared-Use Path Improvement

This project will widen Riverside Drive (S.R. 257) at Summit View Road to provide for installation of a left turn lane, re-create ditches, and add signalization and landscaping. Also, 750 feet of roadway on Summit View Road will be resurfaced with rigid concrete pavement to correct a maintenance concern with the flexible pavement. The shared-use path will connect to the south of Summit View Road and extend to the northern limit of roadway work of this project, thus connecting the shared-use path east of Summit View Road on the north side of that road.

Funding for design is programmed in 2024, with right-of-way or easement acquisition shown in 2025 and construction and other appurtenances of the project shown in 2026.

ET185 Cosgray and Rings Road Intersection Improvements

This project programs preliminary engineering to review the alternatives and possible improvements to this offset intersection at Cosgray Road and Rings Road east and west. As annexation and development increase in the general area of this intersection, improvements will be needed to properly manage the increase in traffic volumes. The City has received increased inquiries about this intersection.

Funding for a preliminary engineering review is programmed in 2026. Costs beyond the preliminary review have not been estimated or programmed.

ET186 Riverside Drive at Martin Road Roundabout and Access Management

This project provides for the installation of a roundabout at the Riverside Drive and Martin Road intersection, near S.R. 161. Access issues and driveway management issues are the driver for this project. All driveways between Martin Road and S.R. 161 will be right-in/right-out only, and a median will be installed on Riverside Drive. Left turns from driveways on Riverside Drive will be prohibited, U-turns will be allowed at the roundabouts at Martin Road and S.R. 161. This will ease turning movements to/from Martin Road to/from Riverside Drive, particularly during peak periods. Project alternatives were analyzed from the driveway perspective including connecting parking lots behind buildings, adding a merge lane on southbound Riverside Drive, moving the merge point for the southbound bypass lane to be closer to S.R. 161. However, the best course of action has been put forward for the project.

Funding for the project is reflected beyond the five-year program period.



ET187 Frantz Road Streetscape Improvements

This project will design and construct streetscape improvements along Frantz Road between Tuttle Road and Bridge Street. The draft Corporate Area Plan – Special Area Plan Update (2017) established a strategy to “refresh” Frantz Road streetscape to better reflect the gateway nature of this important City corridor. The improvements included are landscaping at the public street intersections, median landscaping, wayfinding sign system, enhanced crosswalks at the existing public street intersections, repairs to deficient sidewalk sections, and two enhanced mid-block crosswalks.

Funding for landscaping, construction and other improvements is shown beyond the five-year program period. Funding will be reconsidered as development within the area generates TIF revenues to fund the project.

ET181 Franklin Street Improvements – Waterford Drive to Sells Alley

This project provides for replacement of curb and gutter, and driveway aprons. Also included is the reduction of roadway asphalt width to 24 ft. on the northern third of street (will match existing width on southern two thirds of street). This project will also provide 4 ft. wide sidewalks on each side with 7 ft. tree lawns. This project is being coordinated with the South High Street Utility Burial - Phase 1 and 2 project. Residents requested sidewalks and a cross walk at Sells Alley to access the church on west side of the street, and requested sidewalks to connect the neighborhood to the city-wide system; easement acquisition with moving utilities underground with the South High Street Utility Burial - Phase 1 project (ET203).

Design is programmed in 2021 and 2022 with construction in 2022. It is anticipated that easements will be acquired through donations. The cost of any additional easements has not been included.

ET203 South High Street Utility Burial – phase 1

Funding is programmed for the first phase of two phases. Phase 1: Relocation of overhead utility lines along S. High St., Franklin St. and Mill Lane to underground. Phase 2: Relocation of overhead utility lines on S. High St. and S. Blacksmith Lane to underground. Majority of the construction will be performed by AEP and their subcontractors. AT&T, WOW, and Charter will relocate their overhead to underground. This utility work design is being coordinated with the Franklin Street Improvements project (ET181). This work will improve the overall ambience and streetscapes of the Historic District in Dublin located south of Bridge Street.

Design, site acquisition and construction is programmed in 2021.

NEW South High Street Utility Burial – phase 2

Funding is programmed for the first phase of two phases. Phase 1: Relocation of overhead utility lines along S. High St., Franklin St. and Mill Lane to underground. Phase 2: Relocation of overhead utility lines on S. High St. and S. Blacksmith Lane to underground. Majority of the construction will be performed by AEP and their subcontractors. AT&T, WOW, and Charter will relocate their overhead to



underground. This utility work design is being coordinated with the Franklin Street Improvements project (ET181). This work will improve the overall ambience and streetscapes of the Historic District in Dublin located south of Bridge Street.

Design, site acquisition and construction is programmed in 2022

Project	AEP Cost	Other Utilities Cost*	Street Light Cost	Design/ Site Acquisition/ Other	Totals
Phase 1	\$1,100,000	\$150,000	\$80,000	\$495,000	\$1,825,000
Phase 2	\$750,000	\$100,000	\$100,000	\$350,000	\$1,300,000
Totals	\$2,179,000	\$320,000	\$260,000	\$845,000	\$3,125,000

*this includes moving services and joint users

ET111 Railroad Quiet Zone – Houchard Road to Leap Road

This project provides funding for added supplemental safety measures such as medians or extra gates at each public road/rail crossing. Once installed, train warning whistles would not routinely sound along the CSX line for seven consecutive crossings. The crossings include Houchard Road, Cosgray Road, Rings Road, Avery Road, Hadyen Run Road, Davidson Road and Leap Road. There are various jurisdictions involved, including Franklin County, City of Columbus, and the City of Hilliard. The quiet zone at Davidson Road, and Leap Road are already in place.

Funding for the project is reflected beyond the five-year program period.

ET171 Shawan Falls Extension, Phase 1

This project provides funding for the extension of Shawan Falls and Rock Cress for the purpose of providing an alternative route when S.R. 161/Frantz Road /Post Road intersection is constructed, and includes construction of .65 lane miles of roadway. Work includes the design and reconstruction of the Shawan Falls Bridge over the South Fork of Indian Run. Right-of-way acquisition will be needed from the Federal Post Office property and from OCLC, Inc.

Funding for the project is reflected beyond the five-year program period.

ET159 Dale Drive Rehabilitation

Funding for this project provides for the reconstruction of 3,000 feet of roadway and other public utilities in accordance with the Bridge Street District standards. The site location is on Dale Drive from S.R. 161 to Tuller Road. This is not a signature street. The need for the development of this roadway will be commensurate with development of the adjacent property.

Design and construction of this project is reflected beyond the five-year period. The need for this project will be monitored as development occurs, and funding is available.



ET161 Tuttle Crossing, Phase 2

This project provides funding for preliminary design to extend Tuttle Crossing Boulevard from Cosgray Road to Avery Road. This section of roadway, approximately 1.5 miles, will cross the CSX railroad tracks and will be necessary to determine whether the crossing will be via a bridge or a tunnel. Exploration of these alternatives will be included in the preliminary engineering for the project.

Detailed design cost is reflected beyond the five-year program period. Construction costs are unknown at this time and not reflected.

ET811 Avery Road and Shier Rings Road Intersection Improvement

This project includes the design and construction for a multi-lane roundabout at the intersection and relocation of Old Avery Road to maintain access to the existing commercial businesses. The existing traffic and proposed development along the Shier Rings Road corridor will prompt the need for increased capacity of the roadway.

Funding for construction is programmed in 2021. The funding source for this project will be through the Innovation TIF, Perimeter Center TIF, grants and developer contributions, and the Capital Improvements Tax Fund as necessary. Project ET811 and ET517 (University Blvd, phase 2) were completed jointly.

ET193 Hyland-Croy Road Corridor Improvements

This public infrastructure project includes the study, design and construction for the widening and improvement of Hyland-Croy Road between Post Road and Brand Road. The existing traffic and proposed development along this corridor will outpace the capacity of the roadway. The project includes widening the roadway, and intersection improvements where necessary. The current funding level is based on planning level estimates (City of Dublin typical standards) for the four lane section, with median, curb and gutter, and bike and pedestrian facilities. However, Dublin staff will continue to work with Union County officials to develop options for the future of Hyland-Croy Road. A significant funding "gap" exists for this project. The City's contribution, as provided in this Capital Improvement Program is estimated at 25% of the project cost. It is expected that multiple jurisdictions and funding sources will be involved. Project partners include Union County and several developers that have contributed or will contribute through infrastructure agreements.

Design is programmed in 2022 and 2024, site acquisition and utility work in 2025, and construction in 2026. However, this project will be contingent on outside funding resources.

ET204 Franklin Street Extension

This project provides for the extension of Franklin Street between Bridge Street and North Street and includes 480 feet of new roadway. The project incorporates a new traffic signal on Bridge Street, the removal of the mid-block crosswalk and an ADA upgrade to the signal at Bridge and High Streets; adding sidewalk along the west side



from 161 to Sells Alley and a crosswalk on the north side of Sells Alley. This will add connectivity in the Historic District and aid in circulation and access to the new parking garage. Costs programmed in 2021 includes the design, with construction in 2022.

ET217 Emerald Parkway at Emerald Campus Improvements

This project provides for improvements at the main driveway at the Dublin City School District's Emerald Campus. This project is based on a joint study performed between the City and School District for roadway improvements at this location. The study showed east-west Emerald Parkway traffic operations are acceptable, however there is a delay at busy School District peak times in exiting the driveway to the left. The study reviewed several alternatives. Coordination with the School District will continue to determine the best course of action.

Programming in 2023 provides for design, with construction shown in 2024. Discussions with the School District are on-going to determine funding and timing of the proposed improvements.

ET219 Frantz Road Alternative Transportation Lane

This project is based on a City Council request to investigate possible infrastructure improvements for an alternative transportation lane.

This project is based on a demonstration project being performed in 2021, using the existing vehicular travel lanes and the sidewalks/shared-use paths to understand user preferences and recommend revisions to City code. This project is based on outcomes from the current study being performed by American StructurePoint in 2020.

Funding shown in 2022 is for next steps as determined by the demonstration project. The project is related to Bikeshare, Micro-Mobility, supporting goal of 1% mode shift. Costs for improvements are not yet determined and therefore not included for this project.

ET21A Shier Rings Road and Eiterman Road Roundabout

This project will convert an existing 4-way stop controlled intersection into a single lane roundabout with curb and gutter, street lights, crosswalks, storm drainage, and landscaping. This project will increase the intersection capacity.

Design is programmed in 2023, site acquisition and utility relocation in 2024, and construction programmed in 2025.

ET21B University Boulevard and Shier Rings Road Right Turn Lane

This project provides for the addition of a right turn lane to the south leg of University Boulevard and Shier Rings Road roundabout. As development occurs to the west, the addition of a right turn lane to the south leg of the roundabout may become desirable.

This project is reflected beyond the five-year program period.



NEW Rings Road Improvements, phase 1 (Churchman Road to Royal Dublin Drive)

This project provides for reconstruction of approximately 2,300 LF of Rings Road with curb and gutter, sidewalk and enclosed storm sewer. The project also includes left turn lanes at Eiterman Road and Royal Dublin Drive. This project ties into Washington Township's drainage improvement project in Amlin for improved stormwater outlet.

Design is programmed in 2023, site acquisition in 2024, and construction in 2025.

NEW Post Preserve Blvd. Connection Removal

This project provides for eliminating the connection between Post Preserve Blvd. and Post Road, per the ODOT limited access right-of-way requirements associated with the US 33-SR 161-Post Rd ramp realignment. This project includes design and construction of the disconnection of Post Preserve Blvd from Post Road. Coordination will occur with both the interchange project and the new Post Preserve neighborhood connection to Hyland Croy Road, to ensure there is an alternate route in-place prior to interrupting this route. This project will align with the Post Preserve/Interchange projects ET518, ET003 and ET092.

Design for the project is shown in 2022, with construction and landscaping programmed in 2023.

NEW SR 161/Riverside Drive Curb Modification

This project provides for safety enhancements at the SR 161/Riverside Drive roundabout. Building off of the lane configuration changes implemented in 2018, the plan installs permanent curb in locations where pavement was striped-out for the 2018 improvements. Drainage is also added for the median areas.

Construction of this project is programmed in 2026.

NEW Street Light – Churchman Road at Ballantrae Woods Drive and Wind Rose Way

This project provides funding to install a new street light to illuminate the intersection and adjacent pedestrian facilities at the intersection of Churchman Road at Ballantrae Woods Drive and Wind Rose Way. The intent is to provide motorists clear indication where entry points to neighborhoods exist and to provide the users of walkways and sidewalks visibility at night, so that they can be seen by motorists. This location has shared use trails or sidewalks in all four directions on both sides of street.

Design is programmed in 2025, with installation programmed in 2026.

NEW Street Lighting Improvements and Maintenance – Historic Dublin/Tuller Road

Funding is provided to replace wiring for street lighting including the flushing of the conduit and repairing conduit, as needed; upgrade power disconnect cabinets to metered service as required by American Electric Power, and add technology to the



street lights to allow for control of the street lights including dimming based on time of day, day of year.

Locations include: Historic District (High Street, Bridge Street; North Street; Rock Cress Parkway, parking lots) replace wiring and disconnect cabinets and add dimming controls for street lights; Tuller Road between Riverside Drive and Village Parkway - replace wiring and upgrade disconnect cabinet to metered service.

This project will provide for reliable operation of the street lights by ensuring the underground facilities are in good repair to provide power to the street lights, and provide a proper environment of street lighting intensity for visitors and residents of the Historic District (i.e., brightest shortly after sunset, then lower lighting levels after the close of businesses.) The project also supports mobility - offering more appropriate lighting levels for sidewalks and paths.

Funding is programmed for design and studies in 2023, and construction in 2024. Additional funding is reflected beyond the five-year program period for maintenance on the dimming control system, if needed.

Parking Projects:

ET17A Smart Parking Infrastructure

This project provides funding for the procurement and installation of smart parking equipment and infrastructure. Examples include EV charging stations (both Level two and DC Fast Charging stations) that are designed to charge electric vehicles quickly, parking sensors and/or cameras, license plate readers, signs, combo parking/pedestrian sensors, and other technologies needed to support this initiative.

This project encompasses various locations throughout Dublin, but focus areas are: Downtown Dublin (Towncenter I and II), new parking garage, City Hall, DCRC or other key public parking locations.

Installation of this equipment is programmed in 2022 and 2023. Funds shown in 2024, 2025, and 2026 are for the outcomes from the Curbside Management Study and implementation of curbside sensors. Smart City grants will be sought when possible.

15-Water System



CITY OF DUBLIN | 2022-2026 | FIVE-YEAR CAPITAL IMPROVEMENTS PROGRAM

(MUNIS) PROJECT NO.	DESCRIPTION	2021	2022	2023	2024	2025	2026	TOTAL 2022-2026 (\$'000)	BEYOND 2026 (\$'000)	TOTAL TO BE BUDGETED
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UTILITIES - WATER DISTRIBUTION SYSTEM

CAPITAL MAINTENANCE

EW172	Tartan West Water Tank Re-Painting	10	390	0	0	0	0	390	0	390
NEW	Tartan West & Post Road Booster Station Upgrades	110	525	0	0	0	0	525	0	525
NEW	Water Booster Stations - Minor Upgrades	0	0	70	0	0	0	70	0	70
TOTAL		120	915	70	0	0	0	985	0	985

CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

AW101	Water Line Replacement	75	600	80	625	85	650	2,040	0	2,040
EW176	Water Line Extensions - Area 4A	0	0	0	0	0	0	0	520	520
EW178	Water Line Extensions - Areas 3A	0	80	520	0	0	0	600	970	1,570
NEW	Water Line Extensions - Areas 8A	0	470	0	0	0	0	470	0	470
EW179	Water Line Extensions - Areas 2B & 2C	0	0	0	300	945	0	1,245	0	1,245
EW17A	Water Line Extensions - Area 8C	0	0	0	0	0	0	0	380	380
EW191	Water Line Extensions - Areas 9	0	0	0	0	110	705	815	0	815
NEW	Water Line Extensions - Area 10B	0	0	0	0	40	165	205	0	205
EW192	Water Line Extensions - Area 10A	0	0	0	0	90	335	425	0	425
EW193	Riverside Drive 12" Water Main Extension - Area 22	0	0	0	0	0	0	0	195	195
TOTAL		75	1,150	600	925	1,270	1,855	5,800	2,065	7,865

2022-2026	TOTAL - WATER	195	2,065	670	925	1,270	1,855	6,785	2,065	8,850
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2021-2025	TOTAL - WATER	475	600	165	925	165	N/A
	\$\$ Difference	(280)	1,465	505	-	1,105	N/A
	% Difference	-58.9%	244.2%	306.1%	0.0%	669.7%	N/A



UTILITIES – WATER DISTRIBUTION SYSTEM CAPITAL MAINTENANCE

Note: The funding source for the following projects is the Water Fund.

EW172 Tartan West Water Tank Re-Painting

Funds programmed in 2022 are for the exterior painting, dry interior and wet interior painting of the Tartan West Water 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. Based on the adhesion test results, painting is planned for summer 2021. However, the results of that inspection, will determine if the work will be necessary or can be moved into a future year.



Tartan West Water Storage Tank (.5 MG)

NEW Tartan West and Post Road Water Booster Station Upgrade

Upgrades to existing Tartan West Booster Station and the addition of a water quality monitoring unit to the Post Road Booster Station. This improvement will increase the efficiency of the Tartan West Booster Station, provide upkeep of architectural features of the stations, and increase service life of the existing equipment.

Locations: Tartan West Booster Station and Post Road Booster Station.

Design is funded in 2021, with construction programmed for 2022.



NEW Water Booster Stations – Minor Upgrades

This project will provide for the maintenance of the Brand Road, Post Road, and Rings Road Booster Stations. This work will include replacement of existing equipment/materials and new pipe coating. This project will ensure that the water booster stations continue to provide excellent service to the system and its users. Proper maintenance will ensure longer service life of existing facilities and equipment.

Locations: Post Road, Rings Road and Brand Road Booster Stations.

Work is programmed for this project in 2023.



UTILITIES – WATER DISTRIBUTION SYSTEM CAPITAL ENHANCEMENTS / NEW CAPITAL INFRASTRUCTURE

AW101 Waterline Replacement

There are areas in the City that have older 2" and 3" water pipes that have been identified for replacement with 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 every other year in 2021, 2023, and 2025 for studies and design, and in 2022, 2024, and 2026 for replacement/construction. The work will continue beyond the five-year period. The majority of the replacements will take place in Muirfield Village.

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. During the 2019-2023 CIP workshops, City Council seemed willing to consider extending the implementation plan beyond 15 years.

EW176 Water Line Extensions – Area 4A

This project will provide Area 4A, along Riverside Drive, with 6", 8" & 12" water pipe extensions. This project will systematically provide access to the public water system based on the priorities of Council policy and evaluation data provided by the Franklin County Board of Health.

The project construction is reflected outside the five-year program period.

EW178 Water Line Extensions – Area 3A

This project provides Area 3A with 12" water pipe extensions to Riverside Drive where direct access to the public water system is needed.

Location: Area 3A - Water pipe extensions is located along Riverside Drive from Hard Road to Wyandotte Woods Boulevard.

Design is programmed in 2023, with construction funded in 2024.



NEW Water Line Extensions – Area 8A

Area 8A will provide 8" & 16" water pipe extensions to Cara Road, Cara Court, and Rings Road west of Avery Road. The timing of this project is being leveraged with other projects being scheduled in the area at the time.

Locations: Area 8A - Cara Road/ Cara Court/ Rings Road west of Avery Road.

Construction is programmed for 2022.

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 acquisition is programmed in 2024, with construction funded in 2025.

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. This project provides for five parcels to receive water service.

The project is reflected outside of the five-year program period.

EW191 Water Line Extensions – Area 9

This project will provide 8" and 12" public water main utility extensions in Area 9 to Olde Dublin Woods Drive, Betonywood Place, Red Oak Lane, and Hirth Road.

Design and acquisition is programmed in 2025, with construction funded in 2026.

NEW Water Line Extensions – Area 10B

This project will provide 8" and 12" public water main utility extensions in Area 10B includes water main extensions to serve Locus Hill Lane.

Design and acquisition is programmed in 2025, with construction funded in 2026.

EW192 Water Line Extensions – Area 10A

This project will provide Area 10A with 8" water pipe extensions to Thornhill Lane. A total of 32 parcels would receive access to public water with the construction of this project.

Location: Area 10A - Thornhill Lane from Dublin Road to the end of Thornhill Lane at Hayden Run Road.

Design and acquisition is programmed in 2025, with construction funded in 2026.



EW193 Riverside Drive 12" Water Main Extension - Area 22

This project will provide Area 22 with 12" water pipe extension on Riverside Drive. The area is situated on Riverside Drive from Martin Road to 600 feet north of Martin Road. The project provides for two parcels to receive water service.

The project is reflected outside the five-year program period.