
Capital Improvements Program



Capital Improvements Program (CIP) Summary

Capital Improvements Program (CIP)

The Capital Improvements Program (CIP) represents a guide for financial decisions, annual budgeting, and the coordination of major public investments in the preservation and expansion of the Town's fixed asset infrastructure. The Leesburg comprehensive plan provides guidance for managing development, services and public infrastructure. The CIP is designed to promote the development of infrastructure consistent with the Town Plan. Beginning in Fiscal Year 2021, the Utilities Repair, Replacement and Rehabilitation Program was transitioned to the Town's CIP to reflect the total capital investment of the Utilities Fund.

A capital project is defined as a construction, renovation or demolition project, or acquisition of land or other assets, valued in excess of \$60,000, and with a useful life in excess of five years. A Capital Asset Replacement Program (CARP) project is defined as a planned non-recurring renovation, replacement, or repair of an asset valued at \$5,000 or more and a useful life of two years or more. The CIP includes capital projects, continuing programs, and capital equipment. This plan shows how the Town will address its public facility and other infrastructure needs, and the types of funding available over the next six years. In Fiscal Year 2022, total CIP investments are \$46,681,100.

How the CIP is Organized

The Capital Improvements Program is divided by fund into the following functional areas:

Capital Projects Fund

- Administration
- General Government
- Parks & Recreation
- Streets & Highways
- Storm Drainage
- Airport
- Utilities

Each functional area begins with a summary page which includes financial information detailing the sources and uses by project. Each summary page depicts funding sources with pie charts using the following convention:

- **Bonds** - General Obligation & Utilities Bonds
- **PAY-GO** - Pay-as-you-go funding (cash)
- **Intergovernmental** - Federal, State, Loudoun County, & Northern Virginia Transportation Authority (NVTA)
- **Proffers & Donations** - Proffers & Monetary Donations

The Uses by Project pie charts reference each project by number as listed in the table formats. This will help the reader cross-reference financial information. Project pages within each functional area provide additional details on project status, description, goals, and significant dates. Each project page contains project specific source and use information, as well as required funding, costs, including project management costs, projected schedule by fiscal year, and any continuing operating costs.

The following 12 projects are anticipated to be completed during 2021 and 2022:

Project Title (Project Number)- Expected Completion:

Airport Taxiway & Runway Lighting Rehabilitation (19003)- Fall 2020

Battlefield Parkway Trail Across Route 15 Bypass (17012)- Fall 2020

West Market Street- Ayr Street to Morven Park Road Sidewalk Improvements (18003)- Fall 2020

Tuscarora Creek Flood Mitigation (06306)- Winter 2021

Tuscarora Creek Restoration TMDL (16301)- Winter 2021

Edwards Ferry Road Sidewalk, Bus Shelters & Bus Route Signs (19004)- Spring 2021

Replacement and upgrade Computer Aided Dispatch/ Record Management System (20002)- Spring 2021

Sycolin Road Widening, Phase IV (15302)- Summer 2021

Airport Maintenance Storage Facility (19001)- Summer 2021

Water Pollution Control Facility Gas Train Replacement (20501)- Summer 2021

Water Pollution Control Facility Digester Boiler Replacement (20502)- Fall 2021

Water Treatment Plant Filter #1 and #2 Underdrain Replacement (21502)- Winter 2021

The FY 2022-27 CIP includes 13 new projects:

Project Title (Project Number)- CIP Category

Airport RPZ Land Acquisition (25002)- Airport

Airport Runway Pavement Rehabilitation (23003)- Airport

Ayr Street NW Sidewalk Improvements (27301)- Streets & Highways

Downtown Street Lights Phase II (22102)- General Government

East Market Street Improvements (Plaza St NE to Fort Evans Rd NE) (22302)- Streets & Highways

Lawson Road Pedestrian Crossing of Tuscarora Creek (27401)- Storm Drainage

Town Branch Stream Channel Improvements at Mosby Drive - Catoctin Circle to Morven Park Road (23402) - Storm Drainage

Town Hall Parking Garage Structural Repairs (23102)- General Government

Water Plant Expansion (22508)- Utilities

Water Pollution Control Facility Expansion (22509)- Utilities

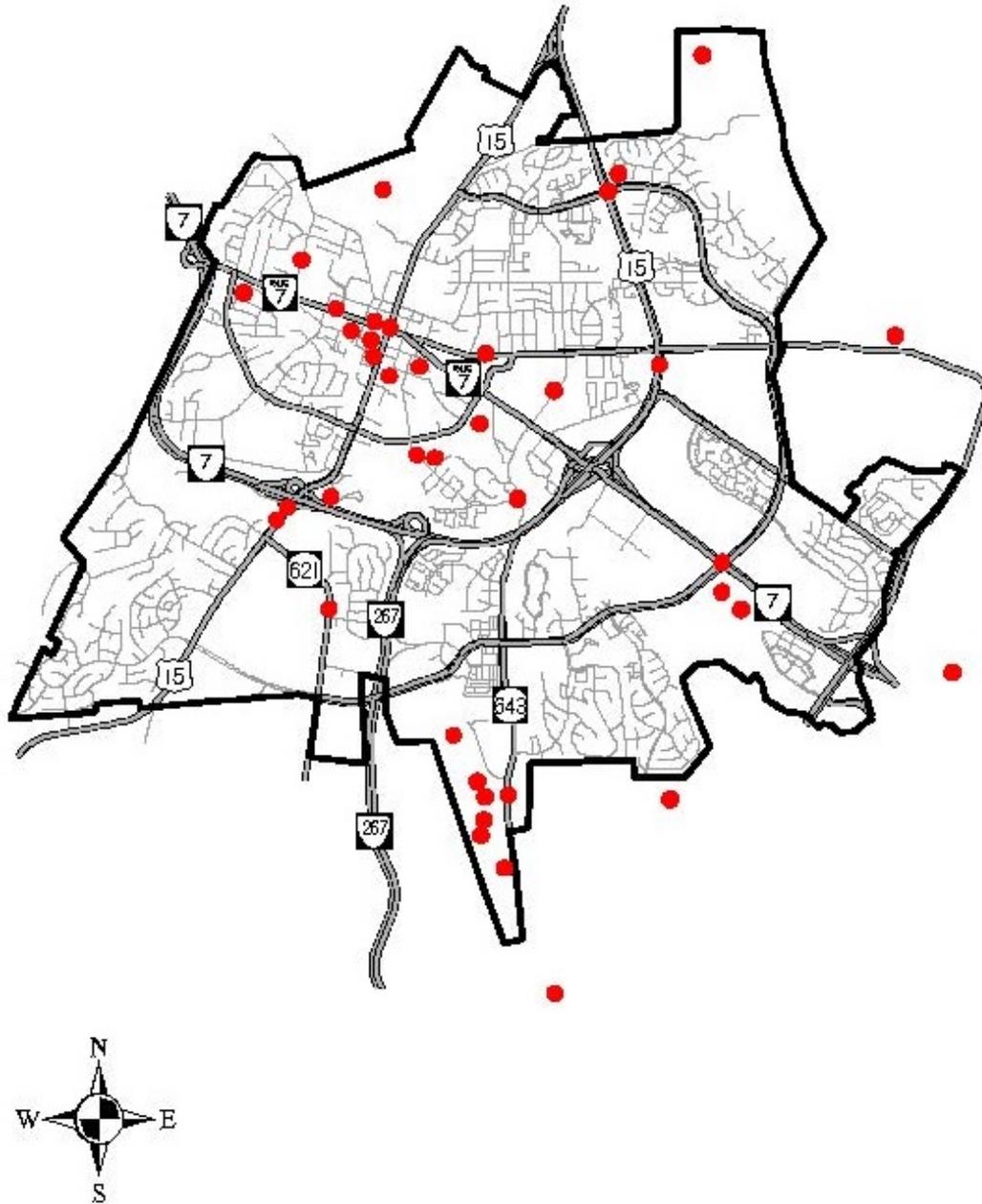
Western Pressure Zone Pump Station Backup Generator (27503)- Utilities

Water Storage Tank Recoating- Carr Tank I (27501)- Utilities

Water Storage Tank Recoating- Sycolin Road Tank (27502)- Utilities

Capital Improvements Program (CIP) Map

The FY 2022-2027 Capital Improvements Program (CIP) details 69 projects in the Town of Leesburg. The map below depicts project specific locations within the town limits. The CIP also includes Town-wide projects within town limits, which are further detailed within their prescribed sections of the CIP.



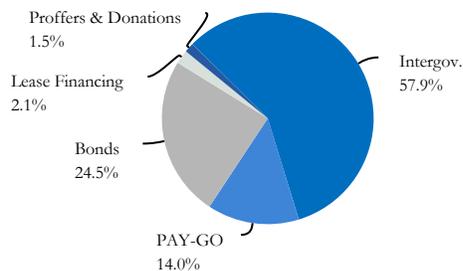
Sources by Fund

Sources	Total Required Project Funding	Funded Through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Funds Required
Capital Projects Fund							
GO Bonds	\$62,532,600	\$12,878,900	\$13,411,100	\$9,025,800	\$24,324,100	\$46,761,000	\$2,892,700
Lease Financing	12,000,000	—	2,000,000	2,000,000	8,000,000	12,000,000	—
PAY-GO	12,011,500	491,800	1,465,000	1,637,100	8,417,600	11,519,700	—
Proffers	5,529,800	1,723,000	2,525,000	—	1,281,800	3,806,800	—
County - Gas Tax	—	—	—	—	—	—	—
County- Capital Contribution	11,800,000	6,500,000	4,109,000	1,191,000	—	5,300,000	—
State - DEQSLAF	1,000,000	—	—	—	1,000,000	1,000,000	—
State - DOAV	5,268,400	1,732,000	180,000	120,000	1,317,600	1,617,600	1,918,800
State-VDOT	199,676,250	24,660,800	145,000	635,100	10,262,350	11,042,450	163,973,000
Federal - FAA	27,839,000	130,000	965,000	1,350,000	14,818,500	17,133,500	10,575,500
Federal - CDBG	120,000	60,000	60,000	—	—	60,000	—
Total Capital Projects Fund	\$337,777,550	\$48,176,500	\$24,860,100	\$15,959,000	\$69,421,950	\$110,241,050	\$179,360,000
Utilities Fund							
Utilities Bonds	\$112,126,940	\$2,590,840	\$8,946,700	\$6,726,700	\$23,067,700	\$38,741,100	\$70,795,000
PAY-GO Utilities	106,239,760	2,120,560	9,424,300	7,751,600	29,838,300	47,014,200	57,105,000
Total Utilities Fund	\$218,366,700	\$4,711,400	\$18,371,000	\$14,478,300	\$52,906,000	\$85,755,300	\$127,900,000
NVTA Fund							
County - NVTA 30%	\$ 18,915,450	\$ 6,784,200	\$ 1,450,000	\$ 2,728,400	\$ 7,952,850	\$ 12,131,250	\$ —
State - NVTA 70%	126,585,000	67,585,000	2,000,000	—	—	2,000,000	57,000,000
Total NVTA Fund	\$145,500,450	\$74,369,200	\$3,450,000	\$2,728,400	\$7,952,850	\$14,131,250	\$57,000,000
Total Sources	\$701,644,700	\$127,257,100	\$46,681,100	\$33,165,700	\$130,280,800	\$210,127,600	\$364,260,000

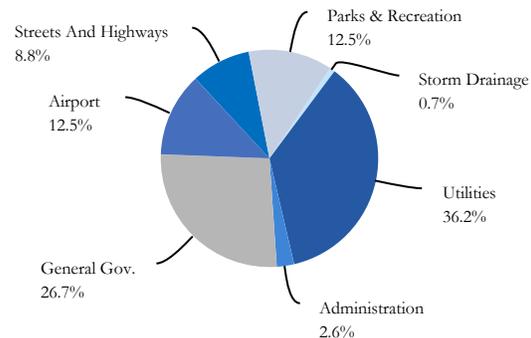
Uses by CIP Category

Category/Uses	Total Project Cost	Expended through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Project Cost
Administration	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$8,417,600	\$11,359,700	\$—
General Government	46,256,400	8,739,500	13,544,900	7,567,000	16,405,000	37,516,900	—
Parks & Recreation	12,460,200	2,097,500	6,353,500	1,191,000	2,818,200	10,362,700	—
Streets and Highways	367,659,000	106,942,800	4,482,700	4,471,300	28,377,200	37,331,200	223,385,000
Storm Drainage	5,811,700	1,508,900	380,000	2,265,000	1,657,800	4,302,800	—
Airport	39,731,000	3,257,000	2,244,000	1,556,000	19,699,000	23,499,000	12,975,000
Utilities	218,366,700	4,711,400	18,371,000	14,478,300	52,906,000	85,755,300	127,900,000
Total Uses	\$701,644,700	\$127,257,100	\$46,681,100	\$33,165,700	\$130,280,800	\$210,127,600	\$364,260,000

CIP Sources by Type (2022)



CIP Uses by Category (2022)



Project Summary

Project Name	Total Project Cost	Expended through 6/30/21	2022			2023			2024-2027			Total for 6 Yr CIP	Future Project Cost	Page No.
			2022	2023	2024-2027	2022	2023	2024-2027	2022	2023	2024-2027			
Administration														
Capital Projects Administration (ADMIN)	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$8,417,600	\$11,359,700	\$—	\$—	\$—	\$11,359,700	\$—	\$—	166	
Total Administration	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$8,417,600	\$11,359,700	\$—	\$—	\$—	\$11,359,700	\$—	\$—		
General Government														
Capital Asset Replacement Program (CARP)	\$12,000,000	\$—	\$2,000,000	\$2,000,000	\$8,000,000	\$12,000,000	\$—	\$—	\$—	\$12,000,000	\$—	\$—	168	
Downtown Street Lights Phase II (22102)	1,617,000	—	—	597,000	1,020,000	1,617,000	—	—	—	1,617,000	—	—	170	
Police Station Expansion (20001)	20,594,400	8,529,500	8,034,900	4,030,000	—	12,064,900	—	—	—	12,064,900	—	—	171	
Town Hall Parking Garage Structural Repairs (23102)	1,000,000	—	—	500,000	500,000	1,000,000	—	—	—	1,000,000	—	—	172	
Town Shop Expansion and Refurbishment (23101)	11,045,000	210,000	3,510,000	440,000	6,885,000	10,835,000	—	—	—	10,835,000	—	—	173	
Total General Government	\$46,256,400	\$8,739,500	\$13,544,900	\$7,567,000	\$16,405,000	\$37,516,900	\$—	\$—	\$—	\$37,516,900	\$—	\$—		
Parks & Recreation														
AV Symington Aquatic Center Water Play Area (21201)	\$460,300	\$—	\$—	\$—	\$460,300	\$460,300	\$—	\$—	\$—	\$460,300	\$—	\$—	176	
Ida Lee Park Tennis Court - Pickleball - Junior Tennis Courts (25203)	350,000	—	—	—	350,000	350,000	—	—	—	350,000	—	—	177	
Ida Lee Park Tennis Court - Air Structure (25202)	1,134,000	418,000	716,000	—	—	716,000	—	—	—	716,000	—	—	178	
Ida Lee Recreation Center - Indoor Pool Roof Rehabilitation (20201)	1,841,000	776,000	1,065,000	—	—	1,065,000	—	—	—	1,065,000	—	—	179	
Town Hall Campus Improvements Phase I (21202)	617,000	333,500	283,500	—	—	283,500	—	—	—	283,500	—	—	180	
Tuscarora Creek Trail Phase I (22201)	1,850,000	150,000	509,000	1,191,000	—	1,700,000	—	—	—	1,700,000	—	—	181	
Veterans Park at Balls Bluff (21203)	4,200,000	420,000	3,780,000	—	—	3,780,000	—	—	—	3,780,000	—	—	182	
Washington & Old Dominion Trail Lighting (25201)	2,007,900	—	—	—	2,007,900	2,007,900	—	—	—	2,007,900	—	—	183	
Total Parks & Recreation	\$12,460,200	\$2,097,500	\$6,353,500	\$1,191,000	\$2,818,200	\$10,362,700	\$—	\$—	\$—	\$10,362,700	\$—	\$—		
Streets & Highways														
Ayr Street NW Sidewalk Improvements (27301)	\$1,310,000	\$—	\$—	\$—	\$150,000	\$150,000	\$1,160,000	\$—	\$—	\$150,000	\$1,160,000	\$—	187	
Battlefield Parkway / Route 15 Bypass Interchange (20004)	59,355,000	55,000	2,035,000	35,000	—	2,070,000	57,230,000	—	—	2,070,000	57,230,000	—	188	
Bus Shelters- Town-wide (20003)	362,400	240,900	121,500	—	—	121,500	—	—	—	121,500	—	—	189	
Catoctin Circle Trail (25301)	364,400	—	—	—	364,400	364,400	—	—	—	364,400	—	—	190	
Church Street, South Street, Harrison Street Improvements (24301)	1,584,100	—	—	—	1,584,100	1,584,100	—	—	—	1,584,100	—	—	191	
Davis Court Bridge Conversion (21301)	574,800	112,000	—	—	462,800	462,800	—	—	—	462,800	—	—	192	
East Market Street Improvements (Plaza Street NE to Fort Evans Road NE) (22302)	123,500	—	123,500	—	—	123,500	—	—	—	123,500	—	—	193	
East Market Street & Battlefield Parkway Interchange (15303)	77,371,300	77,131,300	35,000	205,000	—	240,000	—	—	—	240,000	—	—	194	
Edwards Ferry Road NE Sidewalk Improvements (20006)	1,384,200	1,109,200	275,000	—	—	275,000	—	—	—	275,000	—	—	195	
Evergreen Mill Road Widening (15302)	22,015,000	16,063,000	150,000	2,450,000	3,352,000	5,952,000	—	—	—	5,952,000	—	—	196	
King Street Improvements - Market Street to North Street (25304)	2,991,000	—	—	—	1,969,000	1,969,000	1,022,000	—	—	1,969,000	1,022,000	—	197	
Miscellaneous Roadway, Pedestrian, and ADA Projects (20005)	5,767,300	—	607,700	807,800	4,351,800	5,767,300	—	—	—	5,767,300	—	—	198	

Project Summary

Project Name	Total Project Cost	Expended through 6/30/21	2022-2027			Total for 6 Yr CIP	Future Project Cost	Page No.
			2022	2023	2024-2027			
Monroe Street & Madison Court Improvements (25302)	\$2,475,300	\$—	\$—	\$—	\$2,475,300	\$2,475,300	\$—	199
Morven Park Road Sidewalk (14301)	3,614,200	2,349,200	1,075,000	190,000	—	1,265,000	—	200
Plaza Street Sidewalk (25303)	212,800	—	—	—	212,800	212,800	—	201
Royal Street Improvements - Church Street to Wirt Street (23301)	3,181,700	—	—	528,900	2,652,800	3,181,700	—	202
Route 15 Bypass/Edwards Ferry Road Interchange (09307)	184,018,800	9,882,200	60,000	60,000	10,043,600	10,163,600	163,973,000	203
South King Street Bridge over Tuscarora Creek Deck Replacement (23302)	194,600	—	—	194,600	—	194,600	—	204
Traffic Signal - Sycolin Road & Gateway Drive (24302)	758,600	—	—	—	758,600	758,600	—	205
Total Streets & Highways	\$367,659,000	\$106,942,800	\$4,482,700	\$4,471,300	\$28,377,200	\$37,331,200	\$223,385,000	
Storm Drainage								
Lawson Road Pedestrian Crossing of Tuscarora Creek (27401)	\$985,000	\$—	\$210,000	\$775,000	\$—	\$985,000	\$—	208
Liberty Street SW Storm Drainage Improvements (23401)	607,800	—	—	—	607,800	607,800	—	209
Market Street/King Street Intersection and Alley Between 3 and 5 South King Street Improvements (17016)	1,186,000	1,061,000	125,000	—	—	125,000	—	210
Royal Street SE Storm Drainage Improvements (20007)	492,900	447,900	45,000	—	—	45,000	—	211
Town Branch Stream Channel Improvements at Mosby Drive - Catoctin Circle to Morven Park Road (23402)	2,540,000	—	—	1,490,000	1,050,000	2,540,000	—	212
Total Storm Drainage	\$5,811,700	\$1,508,900	\$380,000	\$2,265,000	\$1,657,800	\$4,302,800	\$—	
Airport								
Airport Apron Paving (23001)	\$1,676,000	\$—	\$167,000	\$1,509,000	\$—	\$1,676,000	\$—	214
Airport FBO Hangar Purchase (22001)	3,010,000	—	—	—	3,010,000	3,010,000	—	215
Airport North Hangars (19002)	5,354,000	3,257,000	2,077,000	20,000	—	2,097,000	—	216
Airport Parallel Taxiway Relocation (23002)	10,883,000	—	—	—	5,858,000	5,858,000	5,025,000	217
Airport RPZ Land Acquisition (25002)	2,835,000	—	—	—	2,835,000	2,835,000	—	218
Airport Runway Pavement Rehabilitation (23003)	7,667,000	—	—	27,000	7,640,000	7,667,000	—	219
Airport West Side Land Development (25001)	8,306,000	—	—	—	356,000	356,000	7,950,000	220
Total Airport	\$39,731,000	\$3,257,000	\$2,244,000	\$1,556,000	\$19,699,000	\$23,499,000	\$12,975,000	
Utilities								
Automated Water Meter Reading and Meter Technology System Upgrade (25501)	\$6,000,000	\$—	\$—	\$—	\$6,000,000	\$6,000,000	\$—	223
Enhanced Multi-Barrier Treatment Technology (22501)	2,880,800	252,200	2,628,600	—	—	2,628,600	—	224
Excavated Materials Holding and Drying Facility (23501)	758,000	—	—	758,000	—	758,000	—	225
Lower Sycolin Sanitary Sewer Pump Station Third Pump (22502)	400,000	—	400,000	—	—	400,000	—	226
Sanitary Sewer Pump Station Upgrades (20503)	7,818,900	953,000	3,500,000	778,100	2,587,800	6,865,900	—	227

Project Summary

Project Name	Total Project Cost	Expended through 6/30/21	Total for 6 Yr CIP			Future Project Cost	Page No.	
			2022	2023	2024-2027			
Town-wide Sanitary Sewer Improvements and Repairs (20506)	\$4,353,700	\$—	\$658,900	\$687,000	\$3,007,800	\$4,353,700	\$—	228
Town-wide Waterline Improvements and Repairs (20505)	7,383,800	—	1,744,600	962,200	4,677,000	7,383,800	—	230
Utility System Storage Facility (21501)	2,048,700	507,500	1,041,200	500,000	—	1,541,200	—	232
Water Booster Pump Station at Loudoun Water Interconnect (20504)	1,869,900	429,300	1,440,600	—	—	1,440,600	—	233
Water Plant Expansion (22508)	62,000,000	—	2,000,000	—	—	2,000,000	60,000,000	234
Water Pollution Control Facility Backup Generator (24501)	1,139,300	—	—	—	1,139,300	1,139,300	—	235
Water Pollution Control Facility Chemical Building Addition (24502)	4,258,000	—	—	—	4,258,000	4,258,000	—	236
Water Pollution Control Facility Debris Screen System (23502)	4,184,600	—	150,000	1,913,500	2,121,100	4,184,600	—	237
Water Pollution Control Facility Digester Dome Replacements (25502)	3,158,700	—	—	—	3,158,700	3,158,700	—	238
Water Pollution Control Facility Dryer Drum Replacement (25503)	1,014,700	—	—	—	1,014,700	1,014,700	—	239
Water Pollution Control Facility Expansion (22509)	69,100,000	—	1,200,000	—	—	1,200,000	67,900,000	240
Water Pollution Control Facility Odor Control And Biofilter Media Replacement (25504)	2,251,500	—	—	—	2,251,500	2,251,500	—	241
Water Pollution Control Facility Storage Tanks - Re-coating & Rehabilitation (18002)	8,663,100	2,569,400	940,700	978,300	4,174,700	6,093,700	—	242
Water Pollution Control Facility Tuscarora Landscaper's Choice (TLC) Solids Silo (23503)	653,000	—	—	653,000	—	653,000	—	243
Western Pressure Zone Pump Station Backup Generator (27503)	600,000	—	—	—	600,000	600,000	—	244
Water Storage Tank Recoating - Carr Tank I (27501)	1,355,000	—	—	—	1,355,000	1,355,000	—	245
Water Storage Tank Recoating - Carr Tank II (25505)	1,328,300	—	—	—	1,328,300	1,328,300	—	246
Water Storage Tank Recoating - Sycolin Road Tank (27502)	1,355,000	—	—	—	1,355,000	1,355,000	—	247
Water Supply and Wastewater SCADA Systems Replacement (22504)	3,192,500	—	562,300	1,314,100	1,316,100	3,192,500	—	248
Water Supply Emergency II and III Interconnect (23504)	3,189,400	—	—	1,593,300	1,596,100	3,189,400	—	249
Water Treatment Plant Sludge Disposal Improvements (23505)	1,638,200	—	—	1,638,200	—	1,638,200	—	250
Utilities Repair, Replacement and Rehabilitation (3-R)	15,771,600	—	2,104,100	2,702,600	10,964,900	15,771,600	—	251
Total Utilities	\$218,366,700	\$4,711,400	\$18,371,000	\$14,478,300	\$52,906,000	\$85,755,300	\$127,900,000	
Total Uses by Project	\$701,644,700	\$127,257,100	\$46,681,100	\$33,165,700	\$130,280,800	\$210,127,600	\$364,260,000	

Administration

The Administration of Capital Projects Fund is comprised of the funding requirements for the administrative support of the projects, project feasibility studies, and other costs indirectly associated with the management of the capital projects included in the FY 2022-27 Capital Improvements Program. Direct project management costs are included and funded in each separate project throughout the Capital Improvements Program.

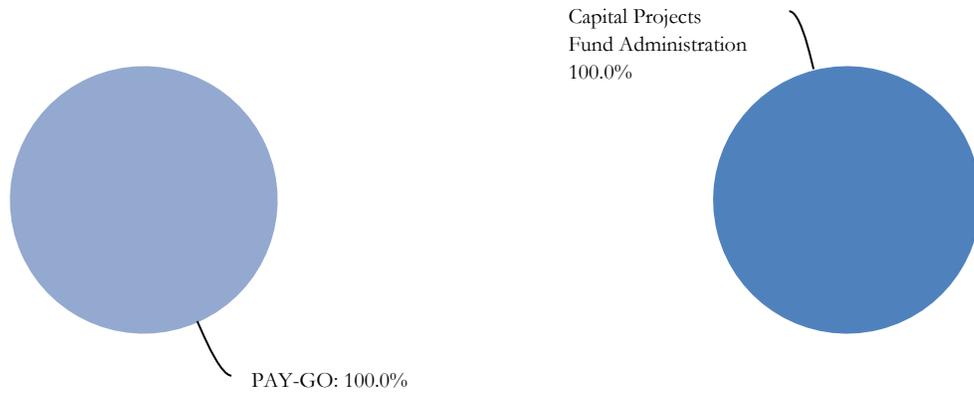
Sources of Funding

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Funds Required
Capital Projects Fund							
GO Bonds	\$—	\$—	\$—	\$—	\$—	\$—	\$—
PAY-GO	11,359,700	—	1,305,000	1,637,100	8,417,600	11,359,700	—
Total Capital Projects Fund	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$8,417,600	\$11,359,700	\$—
Total Sources	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$8,417,600	\$11,359,700	\$—

Uses by Project

Projects	Total Project Cost	Expended through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Project Cost
Capital Projects Administration (ADMIN)	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$8,417,600	\$11,359,700	\$—
Total Uses	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$8,417,600	\$11,359,700	\$—

Sources by Type (2022)	Uses by Project (2022)
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Capital Improvements Program

Administration

TITLE: Capital Projects (ADMIN)

STATUS: Construction

LOCATION: Town-wide

PROGRAM DESCRIPTION: Administration of the Capital Projects Fund reflects the staff in varying General Fund departments and the Office of Capital Projects within the Department of Public Works and Capital Projects who directly and indirectly administer and manage all aspects of the projects included in the Town's Capital Improvements Program (CIP). These efforts are provided by most of the General Fund departments' staff but notably the Town Attorney's Office, Public Works and Capital Projects, Finance and Administrative Services, and the Town Manager's Office. Administrative efforts include managing engineering and design, acquiring property rights, coordinating with outside utility companies, managing the preparation of environmental documents and permits, and managing and inspecting construction contracts for the projects. These efforts include procuring outside services of engineers, surveyors, appraisers, environmental firms, and contractors; public outreach to residents; applying for outside funding; administration of funding grants; and coordination with federal, state, regional and local funding and review agencies. Capital Projects staff is responsible for preparing studies and evaluating potential future capital projects.

OPERATING IMPACT: None.

GOAL ADDRESSED: 2012 Town Plan

- The goal of Chapter 10 - Community Facilities and Services is for Leesburg to be served by community facilities and services in a cost-effective, equitable, and environmentally sensitive manner.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Ongoing	Ongoing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
PAY-GO	\$11,359,700	-	\$1,305,000	\$1,637,100	\$1,989,100	\$1,911,600	\$2,138,800	\$2,378,100	\$11,359,700	-
Total Sources	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$1,989,100	\$1,911,600	\$2,138,800	\$2,378,100	\$11,359,700	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Administrative Overhead	\$11,359,700	-	\$1,305,000	\$1,637,100	\$1,989,100	\$1,911,600	\$2,138,800	\$2,378,100	\$11,359,700	-
Total Uses	\$11,359,700	\$—	\$1,305,000	\$1,637,100	\$1,989,100	\$1,911,600	\$2,138,800	\$2,378,100	\$11,359,700	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

TITLE: Capital Asset Replacement Program (CARP)

STATUS: Ongoing

LOCATION: Town-wide

PROGRAM DESCRIPTION: The Capital Asset Replacement Program (CARP) provides funding for the repair, renovation, and replacement of General Fund fixed assets including equipment, facilities, information technology infrastructure, and vehicles/apparatus. In FY 2019, the CARP transitioned from the Capital Asset Replacement Fund to the Capital Projects Fund to be included in the Town's Capital Improvements Program. Further, in FY 2018 CARP began utilizing short-term, leasing financing for the recurring, annual asset replacement requirements totaling of approximately \$1.3 million. Other financing sources, when available, are utilized in order to address replacement requirements. Per the Town Council's Long Term Financial Sustainability Plan, excess unassigned fund balance in the General Fund is to be used toward funding the CARP.

OPERATING IMPACT: Replacement of aging equipment, vehicles and infrastructure in many cases should result in recurring, operating cost savings.

GOAL ADDRESSED: Town Council Focus Area- Fiscal/ Financial Issues

- Develop a master plan for maintaining, upgrading and replacing infrastructure inclusive of a funding strategy.
- Develop a capital maintenance program as part of the Capital Improvements Program inclusive of life cycle costs.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Ongoing	Ongoing



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required	
			2022	2023	2024	2025	2026	2027			
Lease Financing	\$12,000,000	\$—	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$12,000,000	\$—
Total Sources	\$12,000,000	\$—	\$2,000,000	\$12,000,000	\$—						

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Facility Repair/Renovation	\$3,778,700	—	\$175,000	\$741,800	\$662,200	\$791,500	\$888,700	\$519,500	\$3,778,700	\$—
IT Infrastructure	303,400	—	-	29,900	145,500	128,000	-	-	303,400	—
Motor Vehicle Equipment/Apparatus	7,315,900	—	1,605,000	1,166,300	1,112,300	1,000,500	1,031,300	1,400,500	7,315,900	—
Recreation Equipment	145,000	—	145,000	-	-	-	-	-	145,000	—
Street Infrastructure	457,000	—	75,000	62,000	80,000	80,000	80,000	80,000	457,000	—
Total Uses	\$12,000,000	\$—	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$2,000,000	\$12,000,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

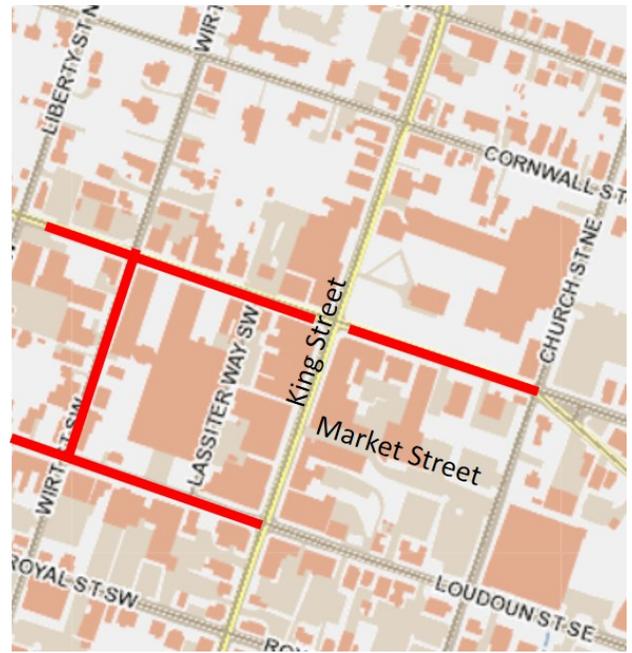
FY 2022 Capital Asset Replacement Program (CARP) List	
Asset/Project	Estimated Cost
FACILITY REPAIR/ RENOVATION	
Airport/ FAA Carpet Replacement	\$30,000
Ida Lee Recreation Center- Men's and Women's Fitness Locker Room HVAC	95,000
Freedom Park Fieldhouse Doors/ Ida Lee Maintenance Building Roll-up Doors	23,000
Town Shop Man Lift	27,000
Facility Repair / Renovation Subtotal	\$175,000
MOTOR VEHICLE/ EQUIPMENT/ APPARATUS	
3 Dump Trucks	\$600,000
Streets Division F350 4x4 Truck	48,000
Seven Police SUV Cruisers	350,000
Police K-9 Unit SUV Cruiser	56,000
Two Leaf Loaders	130,000
Brush Chipper	50,000
Two Salt Spreaders	80,000
Streets Division Ford Explorer	42,000
Two Ride-on Mowers	36,000
Parks Division Ford Explorer	42,000
Trailer	7,000
Streets Division F350 Sign Truck	80,000
Two Engineering Ford F150 Trucks	84,000
Motor Vehicle/ Equipment/ Apparatus Subtotal	\$1,605,000
RECREATION EQUIPMENT	
Ida Lee Recreation Fitness Room Exercise Equipment	\$145,000
Recreation Equipment Subtotal	\$145,000
STREET INFRASTRUCTURE	
Traffic Signal Rehabilitation/ Replacement	\$75,000
Street Infrastructure Subtotal	\$75,000
FY 2022 Capital Asset Replacement Program Total	\$2,000,000

Capital Improvements Program

TITLE: Downtown Street Lights Phase II (22102)

STATUS: New

PROGRAM DESCRIPTION: The Downtown Street Lighting project was begun as a previous CIP project to replace existing cobra-style streetlights with new historically appropriate fixtures on pedestal poles. Existing streetlight poles are old and rusted and need to be replaced. The initial project replaced lights on King Street (between Market Street and just past Loudoun Street) and Loudoun Street (between King Street and Market Street). Additional street lights are planned to be replaced as part of the Market and King Storm Improvements project for that intersection and the updated N King Improvements from Market Street to North Street Projects. The remaining improvements area from the original Downtown Street Lights project were not completed due to a lack of funding and will be completed as part of this project. Project area includes: Loudoun Street (between King Street and just west of Wirt Street), Market Street (between Church Street and west of Wirt Street) and Wirt Street (between Loudoun Street and Market Street).



OPERATING IMPACT: Increased Dominion Energy fees due to the increase in the number of lights.

GOAL ADDRESSED: 2012 Town Plan

- Economic Development Objective 1 encourages promotion of economic development, specifically by building on the role of the Downtown area as an activity center.
- Natural Resources Objective 7 call for outdoor lighting that is consistent with public safety requirements to reduce glare and impacts on the night sky.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2022	Summer 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6-Year CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$1,617,000	-	-	\$597,000	\$1,020,000	-	-	-	\$1,617,000	-
PAY-GO	-	-	-	-	-	-	-	-	-	-
Total Sources	\$1,617,000	\$—	\$—	\$597,000	\$1,020,000	\$—	\$—	\$—	\$1,617,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6-Year CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$100,000	-	-	\$60,000	\$40,000	-	-	-	\$100,000	-
Land Acquisition	57,000	-	-	57,000	-	-	-	-	57,000	-
Design	110,000	-	-	110,000	-	-	-	-	110,000	-
Site Improvements	1,290,000	-	-	310,000	980,000	-	-	-	1,290,000	-
Utility Relocation	60,000	-	-	60,000	-	-	-	-	60,000	-
Total Uses	\$1,617,000	\$—	\$—	\$597,000	\$1,020,000	\$—	\$—	\$—	\$1,617,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

General Government

Capital Improvements Program

TITLE: Police Station Expansion (20001)

STATUS: Ongoing

LOCATION: Police Headquarters

PROGRAM DESCRIPTION: Expansion of the existing Police Department headquarters at the Public Safety Center located at 65 Plaza Street, NE. The current building was constructed in 1997 when the population of Leesburg was approximately 24,000. Since the original construction, the Town's population has more than doubled. A Needs Assessment and Master Plan Options Study prepared in 2010 forecast that the Police Department would need approximately 14,800 square feet of office space and an additional 6,200 square feet of technical support space within 25 years. Subsequent to completing that study, the Technical Support building was expanded in 2013.

This project will provide an expansion of the Police Department headquarters in conjunction with current police needs. Future expansions will be required as the Town and police force continue to grow.

OPERATING IMPACT: Additional maintenance and operating costs for the larger facility.

GOAL ADDRESSED: 2012 Town Plan

- The Community Facilities and Services goal calls for providing community facilities and services in a cost effective manner. Objective 11 calls for providing high quality responsive police protection in accordance with the department's strategic plan.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2019	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$20,594,400	\$8,529,500	\$8,034,900	\$4,030,000	-	-	-	-	\$12,064,900	-
Total Sources	\$20,594,400	\$8,529,500	\$8,034,900	\$4,030,000	\$—	\$—	\$—	\$—	\$12,064,900	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$514,400	\$249,500	\$234,900	\$30,000	-	-	-	-	\$264,900	-
Design/Engineering	1,330,000	1,330,000	-	-	-	-	-	-	-	-
Construction	18,750,000	6,950,000	7,800,000	4,000,000	-	-	-	-	11,800,000	-
Total Uses	\$20,594,400	\$8,529,500	\$8,034,900	\$4,030,000	\$—	\$—	\$—	\$—	\$12,064,900	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

TITLE: Town Hall Parking Garage Structural Repairs (23102)

STATUS: Future

LOCATION: 25 W. Market Street

PROGRAM DESCRIPTION: This project consists of structural repairs necessary to maintain the Town Hall Parking Garage. The repairs were identified by a structural study/report that was completed in Fiscal Year 20 that identified deficiencies in the structural components of the building. The repairs were prioritized by high, medium, and low priority repairs along with critical maintenance issues.

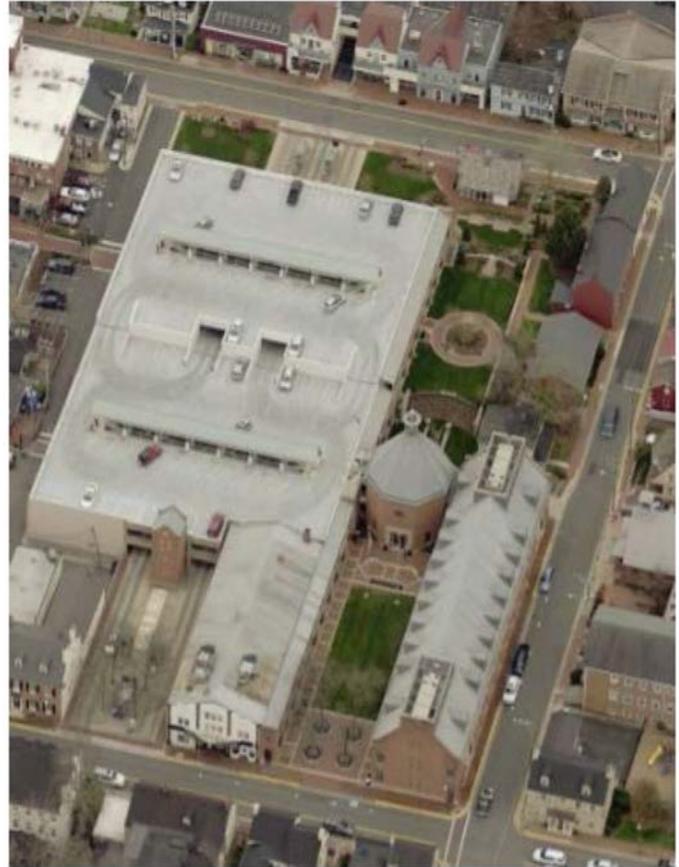
OPERATING IMPACT: Minimal.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Goal call for Leesburg to be served by community facilities and services in a cost-effective, equitable, and environmentally sensitive manner.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2021	Spring 2025



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Funds Required
GO Bonds	\$1,000,000	\$—	\$—	\$500,000	\$300,000	\$200,000	\$—	\$—	\$1,000,000	\$—
Total Sources	\$1,000,000	\$—	\$—	\$500,000	\$300,000	\$200,000	\$—	\$—	\$1,000,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Project Cost
Project Management	\$30,000	\$—	\$—	\$10,000	\$10,000	\$10,000	\$—	\$—	\$30,000	\$—
Design/Engineering	125,000	—	—	50,000	50,000	25,000	—	—	125,000	—
Construction	845,000	—	—	440,000	240,000	165,000	—	—	845,000	—
Total Uses	\$1,000,000	\$—	\$—	\$500,000	\$300,000	\$200,000	\$—	\$—	\$1,000,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

General Government

Capital Improvements Program

TITLE: Town Shop Expansion and Refurbishment (23101)

STATUS: Ongoing

LOCATION: 1393 Russell Branch Parkway

PROGRAM DESCRIPTION: Land acquisition for expansion of the existing Department of Public Works and Capital Projects shop facility located at 1393 Russell Branch Parkway, inclusive of design and construction of a new or expanded facility to address critical expansion needs. The existing parcel where the Town Shop is located is severely space constrained and is not large enough to facilitate an expansion necessary for the current and future public works operations. The current facility has not been enlarged or rehabilitated during the past 30 years, although the lane miles and population has more than doubled.

This project would add approximately 5 acres of useable property and add a public works facility able to consolidate all public works and capital projects functions into one facility versus the three that are now utilized and allow the department to better serve the community now and into the future.

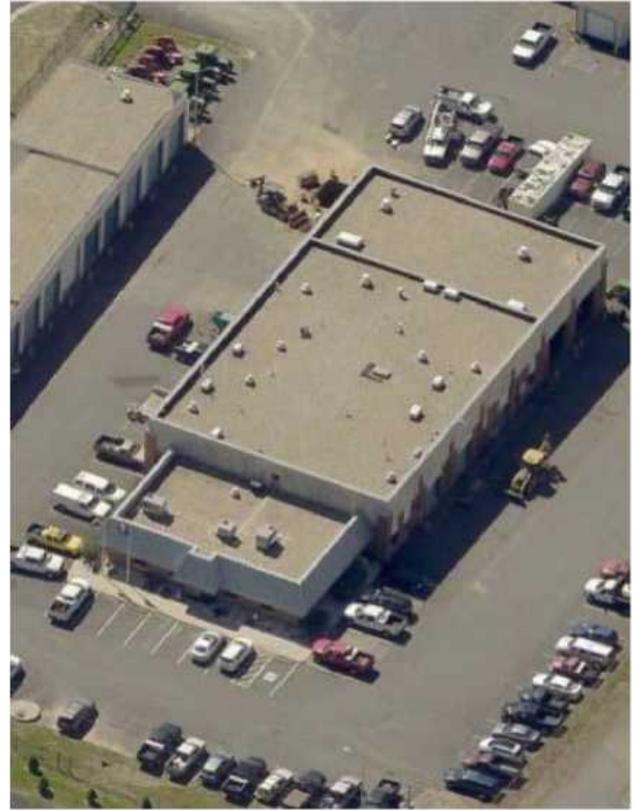
OPERATING IMPACT: Additional maintenance and operating costs for the larger facility.

GOAL ADDRESSED: 2012 Town Plan

- The Community Facilities and Services goal calls for providing community facilities and services in a cost effective manner.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2021	Spring 2026



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$8,645,000	\$210,000	\$1,110,000	\$440,000	\$650,000	\$3,100,000	\$3,135,000	-	\$8,435,000	-
Proffers	2,400,000	-	2,400,000	-	-	-	-	-	2,400,000	-
Total Sources	\$11,045,000	\$210,000	\$3,510,000	\$440,000	\$650,000	\$3,100,000	\$3,135,000	\$-	\$10,835,000	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$345,000	\$10,000	\$10,000	\$40,000	\$50,000	\$100,000	\$135,000	-	\$335,000	-
Land	3,500,000	-	3,500,000	-	-	-	-	-	3,500,000	-
Design/Engineering	\$800,000	200,000	-	-	\$600,000	-	-	-	\$600,000	-
Construction	6,400,000	-	-	400,000	-	3,000,000	3,000,000	-	6,400,000	-
Total Uses	\$11,045,000	\$210,000	\$3,510,000	\$440,000	\$650,000	\$3,100,000	\$3,135,000	\$-	\$10,835,000	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—



Parks & Recreation

Capital projects in FY 2022 for the Parks & Recreation category include Veterans Park at Ball's Bluff; the rehabilitation of the roof at the Ida Lee Recreation Center Indoor Pool; the Air Structure and Tennis Court at the Ida Lee Tennis Center; Phase 1 of the Town Hall Campus Improvements; and the Phase 1 of the Tuscarora Creek Trail. The total cost of Parks & Recreation projects for FY 2022 is \$6,353,500.

Sources of Funding

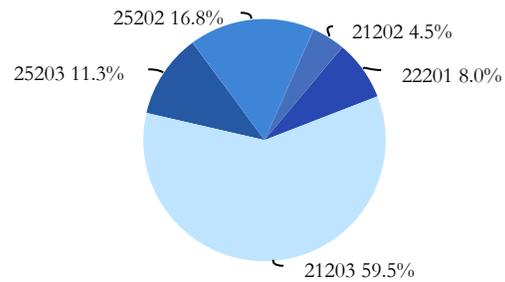
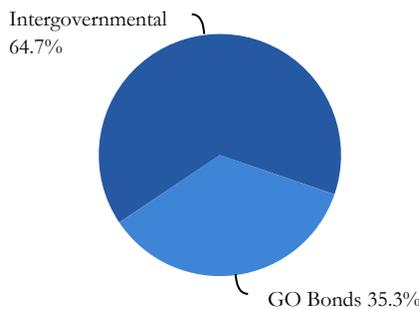
Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Funds Required
Capital Projects Fund							
GO Bonds	\$5,794,200	\$1,182,500	\$2,244,500	\$—	\$2,367,200	\$4,611,700	\$—
PAY-GO	15,000	15,000	—	—	—	—	—
Proffers	851,000	400,000	—	—	451,000	451,000	—
County- Capital Contribution	5,800,000	500,000	4,109,000	1,191,000	—	5,300,000	—
Total Capital Projects Fund	\$12,460,200	\$2,097,500	\$6,353,500	\$1,191,000	\$2,818,200	\$10,362,700	\$—
Total Sources	\$12,460,200	\$2,097,500	\$6,353,500	\$1,191,000	\$2,818,200	\$10,362,700	\$—

Uses by Project

Projects	Total Project Cost	Expended through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Project Cost
AV Symington Aquatic Center Water Play Area (21201)	\$460,300	\$—	\$—	\$—	\$460,300	\$460,300	\$—
Ida Lee Recreation Center - Indoor Pool Roof Rehabilitation (20201)	1,841,000	776,000	1,065,000	—	—	1,065,000	—
Ida Lee Park Tennis Court - Pickleball - Junior Tennis Courts (25203)	350,000	—	—	—	350,000	350,000	—
Ida Lee Park Tennis Court - Air Structure (25202)	1,134,000	418,000	716,000	—	—	716,000	—
Town Hall Campus Improvements Phase I (21202)	617,000	333,500	283,500	—	—	283,500	—
Tuscarora Creek Trail Phase I (22201)	1,850,000	150,000	509,000	1,191,000	—	1,700,000	—
Veterans Park at Balls Bluff (21203)	4,200,000	420,000	3,780,000	—	—	3,780,000	—
Washington & Old Dominion Trail Lighting (25201)	2,007,900	—	—	—	2,007,900	2,007,900	—
Total Uses	\$12,460,200	\$2,097,500	\$6,353,500	\$1,191,000	\$2,818,200	\$10,362,700	\$—

Sources by Type (2022)

Uses by Project (2022)



TITLE: AV Symington Aquatic Center Water Play Area (21201)

STATUS: Future

LOCATION: AV Symington Aquatic Center

PROGRAM DESCRIPTION: Development of a spray ground feature at the AV Symington Aquatic Center. This amenity was in the outdoor pool master plan and the plumbing work for this feature was included with the original construction. Design for this amenity will be minimal to include the existing plumbing for tie in of the actual amenity.

OPERATING IMPACT: Negligible impact on maintenance of the outdoor pool facility.

GOAL ADDRESSED: 2012 Town Plan

- Parks and Recreation Objective 3 calls for a balanced and adequate distribution of active recreation facilities within all sectors of Leesburg.

2015-2019 Parks and Recreation Strategic Plan

- The focus of the plan includes building a strong sense of community, providing opportunities for participation in recreational activities and events, and continually maintaining a comprehensive park system with high quality facilities.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2024	Spring 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$9,300	-	-	-	-	\$9,300	-	-	\$9,300	-
Proffers	451,000	-	-	-	-	451,000	-	-	451,000	-
Total Sources	\$460,300	\$—	\$—	\$—	\$—	\$460,300	\$—	\$—	\$460,300	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$60,300	-	-	-	-	\$60,300	-	-	\$60,300	-
Design/Engineering	10,000	-	-	-	-	10,000	-	-	10,000	-
Construction	390,000	-	-	-	-	390,000	-	-	390,000	-
Total Uses	\$460,300	\$—	\$—	\$—	\$—	\$460,300	\$—	\$—	\$460,300	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Parks & Recreation

Capital Improvements Program

TITLE: Ida Lee Recreation Center - Indoor Pool Roof Rehabilitation (20201)

STATUS: Ongoing

LOCATION: Ida Lee Recreation Center

PROGRAM DESCRIPTION: This project replaces a portion of the existing roof at the Ida Lee Recreation Center. The roof will be replaced over the main indoor pool and the men's and women's locker rooms. Work will include the rehabilitation and/or replacement of existing skylights, including the skylight in the main hallway.

OPERATING IMPACT: Minimal recurring maintenance.

GOAL ADDRESSED: 2012 Town Plan

- Parks and Recreation Objective 3 calls for a balanced and adequate distribution of active recreation facilities within all sectors of Leesburg.



2015 - 2019 Parks and Recreation Strategic Plan

- The focus of the plan includes building a strong sense of community, providing opportunities for participation in recreational activities and events, striving for fiscal self sufficiency, and continually maintaining a comprehensive park system with high quality facilities.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2019	Fall 2021

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$1,841,000	\$776,000	\$1,065,000	-	-	-	-	-	\$1,065,000	-
Total Sources	\$1,841,000	\$776,000	\$1,065,000	\$—	\$—	\$—	\$—	\$—	\$1,065,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$85,000	\$20,000	\$65,000	-	-	-	-	-	\$65,000	-
Design/Engineering	56,000	56,000	-	-	-	-	-	-	-	-
Construction	1,700,000	700,000	1,000,000	-	-	-	-	-	1,000,000	-
Total Uses	\$1,841,000	\$776,000	\$1,065,000	\$—	\$—	\$—	\$—	\$—	\$1,065,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

TITLE: Ida Lee Park Tennis Court - Pickleball - Junior Tennis Courts (25203)

STATUS: Future

LOCATION: Ida Lee Recreation Center

PROGRAM DESCRIPTION: Addition of an asphalt pad of the size to accommodate three regulation size Pickleball - Junior tennis courts. The pad would include appropriate marking for both activities and a four foot tall perimeter fence.

OPERATING IMPACT: Minimal impact on maintenance and operating.

GOAL ADDRESSED: 2012 Town Plan

- Parks and Recreation Objective 3 calls for a balanced and adequate distribution of active recreation facilities within all sectors of Leesburg.

2015 - 2019 Parks and Recreation Strategic Plan

- The focus of the plan includes building a strong sense of community, providing opportunities for participation in recreational activities and events, striving for fiscal self sufficiency, and continually maintaining a comprehensive park system with high quality facilities.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2024	Summer 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$350,000	-	-	-	-	\$350,000	-	-	\$350,000	-
Total Sources	\$350,000	\$—	\$—	\$—	\$—	\$350,000	\$—	\$—	\$350,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$13,200	-	-	-	-	\$13,200	-	-	\$13,200	-
Design/Engineering	30,000	-	-	-	-	30,000	-	-	30,000	-
Construction	306,800	-	-	-	-	306,800	-	-	306,800	-
Total Uses	\$350,000	\$—	\$—	\$—	\$—	\$350,000	\$—	\$—	\$350,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Parks & Recreation

Capital Improvements Program

TITLE: Ida Lee Park Tennis Court - Air Structure (25202)

STATUS: Ongoing

LOCATION: Ida Lee Recreation Center

PROGRAM DESCRIPTION: Air structure with entrance structures over an existing three court pod, including beam for anchoring the air structure around the court perimeter, new exterior lighting and fencing.

OPERATING IMPACT: The project is projected to generate an additional net revenue above all operational and associated debt service costs.

GOAL ADDRESSED: 2012 Town Plan

- Parks and Recreation Objective 3 calls for a balanced and adequate distribution of active recreation facilities within all sectors of Leesburg.

2015 - 2019 Parks and Recreation Strategic Plan

- The focus of the plan includes building a strong sense of community, providing opportunities for participation in recreational activities and events, striving for fiscal self sufficiency, and continually maintaining a comprehensive park system with high quality facilities.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2020	Fall 2021

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$734,000	\$18,000	\$716,000	-	-	-	-	-	\$716,000	-
Proffers	400,000	400,000	-	-	-	-	-	-	-	-
Total Sources	\$1,134,000	\$418,000	\$716,000	\$-	\$-	\$-	\$-	\$-	\$716,000	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$46,000	\$18,000	\$28,000	-	-	-	-	-	\$28,000	-
Design/Engineering	92,000	92,000	-	-	-	-	-	-	-	-
Construction	996,000	308,000	688,000	-	-	-	-	-	688,000	-
Total Uses	\$1,134,000	\$418,000	\$716,000	\$-	\$-	\$-	\$-	\$-	\$716,000	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

TITLE: Town Hall Campus Improvements Phase I (21202)

STATUS: Ongoing

LOCATION: Town Hall

PROGRAM DESCRIPTION: Development of initial phases of improvements to the Town Hall Campus in accordance with the master plan approved in 2018. Project includes improvements adjacent to the Loudoun Street entrance to the Town Hall parking garage, the Mervin Jackson Park East and West Panels adjacent to the parking garage, and improvements to the Market Street parking garage entrance.

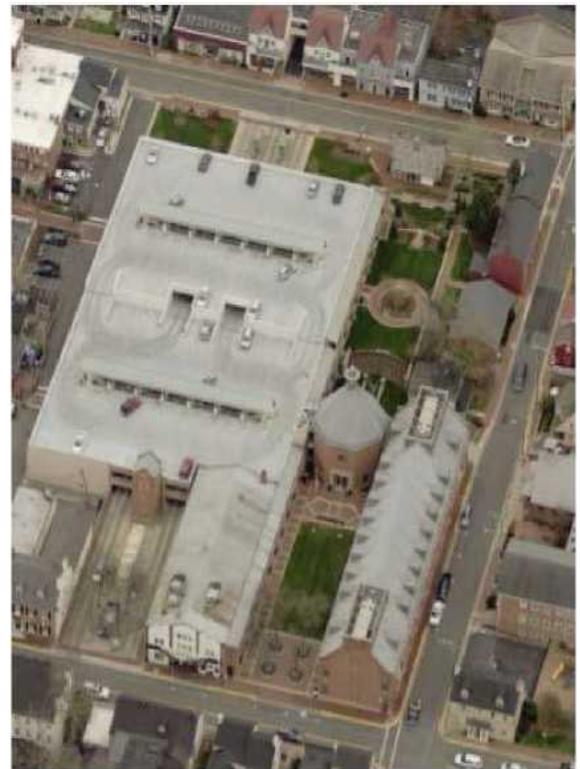
OPERATING IMPACT: Long term park operating costs.

GOAL ADDRESSED: 2012 Town Plan

- Parks and Recreation Objective 3 calls for a balanced and adequate distribution of recreation facilities within all sectors of Leesburg.

2015 - 2019 Parks and Recreation Strategic Plan

- The focus of the plan includes building a strong sense of community, providing opportunities for participation in recreational activities and events, and continually maintaining a comprehensive park system with high quality amenities.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2020	Summer 2022

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$602,000	\$318,500	\$283,500	-	-	-	-	-	\$283,500	-
PAY-GO	15,000	15,000	-	-	-	-	-	-	-	-
Total Sources	\$617,000	\$333,500	\$283,500	\$—	\$—	\$—	\$—	\$—	\$283,500	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$67,000	\$33,500	\$33,500	-	-	-	-	-	\$33,500	-
Design/Engineering	50,000	50,000	-	-	-	-	-	-	-	-
Construction	500,000	250,000	250,000	-	-	-	-	-	250,000	-
Total Uses	\$617,000	\$333,500	\$283,500	\$—	\$—	\$—	\$—	\$—	\$283,500	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Total Impact	-	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000

Parks & Recreation

Capital Improvements Program

TITLE: Tuscarora Creek Trail Phase I (22201)

STATUS: New

LOCATION: North side of Tuscarora Creek between Harrison Street and W&OD (near Douglas Community Center)

PROGRAM DESCRIPTION: Development of a new 1,600 linear foot trail along the north side of Tuscarora Creek between Harrison Street and the Washington & Old Dominion (W&OD) Trail near Douglass School and Community Center. This trail will provide pedestrian and bicycle access to connect a variety of public parks and facilities in the area, including Brandon Park, Catoctin Skate Park, W&OD Trail, and the Douglass Community Center.

OPERATING IMPACT: Funds for trail repair and maintenance.

GOAL ADDRESSED: 2012 Town Plan

- Parks and Recreation Objective 2 calls for expansion of the Town's trail network to encourage pedestrian and bicycle access to parks and regional trails.

- Parks and Recreation Objective 3 calls for a balanced and adequate distribution of recreation facilities within all sectors of Leesburg.

2015 - 2019 Parks and Recreation Strategic Plan

- The focus of the plan includes continually maintaining a comprehensive park system with high quality amenities.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2021	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$50,000	\$50,000	-	-	-	-	-	-	-	-
County - Capital Contribution	1,800,000	100,000	509,000	1,191,000	-	-	-	-	1,700,000	-
Total Sources	\$1,850,000	\$150,000	\$509,000	\$1,191,000	\$—	\$—	\$—	\$—	\$1,700,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$412,000	\$50,000	\$124,000	\$238,000	-	-	-	-	\$362,000	-
Land	115,000	-	115,000	-	-	-	-	-	115,000	-
Design/ Engineering	390,000	100,000	270,000	20,000	-	-	-	-	290,000	-
Utility Relocation	10,000	-	-	10,000	-	-	-	-	10,000	-
Construction	923,000	-	-	923,000	-	-	-	-	923,000	-
Total Uses	\$1,850,000	\$150,000	\$509,000	\$1,191,000	\$—	\$—	\$—	\$—	\$1,700,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Parks & Recreation

TITLE: Veterans Park at Balls Bluff (21203)

STATUS: Ongoing

LOCATION: 42314 Balls Bluff Road

PROGRAM DESCRIPTION: Development of a town park on property located adjacent to the Potomac River in northeast Leesburg. The park property was acquired in 2001 for park use. The park facilities will include a new access road, parking, boat launch facilities, picnic facilities, trails and other amenities.

OPERATING IMPACT: Long term park, maintenance and landscaping operating costs.

GOAL ADDRESSED: 2012 Town Plan

- Parks and Recreation Objective 3 calls for a balanced and adequate distribution of recreation facilities within all sectors of Leesburg.

2015 - 2019 Parks and Recreation Strategic Plan

- The focus of the plan includes building a strong sense of community, providing opportunities for participation in recreational activities and events, and continually maintaining a comprehensive park system with high quality amenities.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2020	Spring 2022

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$200,000	\$20,000	\$180,000	-	-	-	-	-	\$180,000	-
County - Capital Contribution	4,000,000	400,000	3,600,000	-	-	-	-	-	3,600,000	-
Total Sources	\$4,200,000	\$420,000	\$3,780,000	\$-	\$-	\$-	\$-	\$-	\$3,780,000	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$200,000	\$20,000	\$180,000	-	-	-	-	-	\$180,000	-
Design/Engineering	400,000	400,000	-	-	-	-	-	-	-	-
Utility Relocation	10,000	-	10,000	-	-	-	-	-	10,000	-
Construction	3,590,000	-	3,590,000	-	-	-	-	-	3,590,000	-
Total Uses	\$4,200,000	\$420,000	\$3,780,000	\$-	\$-	\$-	\$-	\$-	\$3,780,000	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	\$-	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000
Total Impact	\$-	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000

Parks & Recreation

Capital Improvements Program

TITLE: Washington & Old Dominion Trail Lighting (25201)

STATUS: Future

LOCATION: W&OD Trail (Catoctin SE by Pedestrian Crosswalk to Catoctin NE by Loudoun County High School)

PROGRAM DESCRIPTION: Addition of 12' tall street lights along the Washington & Old Dominion (W&OD) Trail from Catoctin Circle at the car wash to Catoctin Circle at Loudoun County High School. The project will provide a safe route for evening pedestrian travel while connecting residential areas to the downtown.

OPERATING IMPACT: Increased electricity costs for street lights.

GOAL ADDRESSED: 2012 Town Plan

- Parks and Recreation Objective 2 calls for expansion of the Town's trail network to encourage pedestrian and bicycle access to parks and regional trails.
- Parks and Recreation Objective 3 calls for a balanced and adequate distribution of active recreation facilities within all sectors of Leesburg.

2015 - 2019 Parks and Recreation Strategic Plan

- The focus of the plan includes building a strong sense of community, providing opportunities for participation in recreational activities and events, striving for fiscal self sufficiency, and continually maintaining a comprehensive park system with high quality facilities.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2024	Summer 2026



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$2,007,900	-	-	-	-	\$202,600	\$1,805,300	-	\$2,007,900	-
Total Sources	\$2,007,900	\$-	\$-	\$-	\$-	\$202,600	\$1,805,300	\$-	\$2,007,900	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$86,400	-	-	-	-	\$9,600	\$76,800	-	\$86,400	-
Design/Engineering	193,000	-	-	-	-	193,000	-	-	193,000	-
Construction	1,728,500	-	-	-	-	-	1,728,500	-	1,728,500	-
Total Uses	\$2,007,900	\$-	\$-	\$-	\$-	\$202,600	\$1,805,300	\$-	\$2,007,900	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-



Streets and Highways

The Streets & Highways category is the largest area of investment in the FY 2022-27 Capital Improvements Program. This emphasis is a continuation of the Town’s commitment to provide high quality streets and roads to meet the demands of our community. Major projects in Fiscal Year 2022 include the Battlefield Parkway/ Route 15 Bypass Interchange, bus shelters town-wide; East Market Street (Rte. 7)/Battlefield Parkway Interchange; the widening of Evergreen Mill Road; construction of the sidewalk on Morven Park Road; sidewalk improvements on Edwards Ferry Road NE, Miscellaneous Roadway, Pedestrian and ADA Projects; the interchange at Edwards Ferry Road/ Route 15 Bypass, and the traffic signal maintenance town-wide. The total cost of Street & Highway Capital Improvements for Fiscal Year 2022 is \$4,482,700.

Sources of Funding

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Funds Required
Capital Projects Fund							
GO Bonds	\$13,914,700	\$366,000	\$697,700	\$1,107,800	\$9,331,200	\$11,136,700	\$2,412,000
PAY-GO	504,800	374,800	130,000	—	—	130,000	—
Proffers	1,942,800	1,112,000	—	—	830,800	830,800	—
County - Gas Tax	0	—	—	—	—	—	—
County- Capital Contribution	6,000,000	6,000,000	—	—	—	—	—
State-VDOT	199,676,250	24,660,800	145,000	635,100	10,262,350	11,042,450	163,973,000
Federal - CDBG	120,000	60,000	60,000	—	—	60,000	—
Total Capital Projects Fund	\$222,158,550	\$32,573,600	\$1,032,700	\$1,742,900	\$20,424,350	\$23,199,950	\$166,385,000
NVTA Fund							
County - NVTA 30%	\$18,915,450	\$6,784,200	\$1,450,000	\$2,728,400	\$7,952,850	\$12,131,250	\$—
State - NVTA 70%	126,585,000	67,585,000	2,000,000	—	—	2,000,000	57,000,000
Total NVTA Fund	\$145,500,450	\$74,369,200	\$3,450,000	\$2,728,400	\$7,952,850	\$14,131,250	\$57,000,000
Total Sources	\$367,659,000	\$106,942,800	\$4,482,700	\$4,471,300	\$28,377,200	\$37,331,200	\$223,385,000

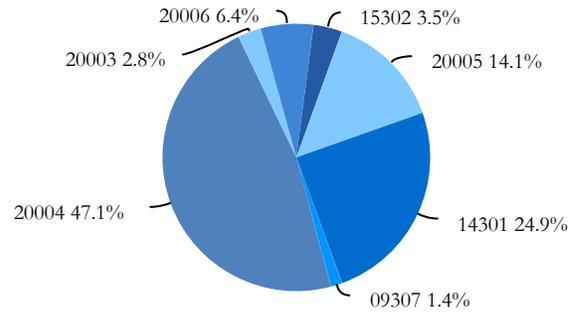
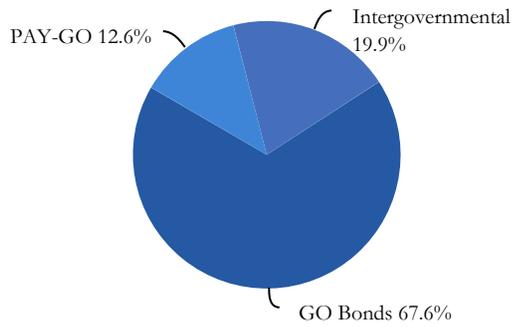
Uses by Project

Projects	Total Project Cost	Expended through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Project Cost
Ayr Street NW Sidewalk Improvements (27301)	\$1,310,000	\$—	\$—	\$—	\$150,000	\$150,000	\$1,160,000
Battlefield Parkway / Route 15 Bypass Interchange (20004)	59,355,000	55,000	2,035,000	35,000	—	2,070,000	57,230,000
Bus Shelters- Town-wide (20003)	362,400	240,900	121,500	—	—	121,500	—
Catoctin Circle Trail (25301)	364,400	—	—	—	364,400	364,400	—
Church Street, South Street, Harrison Street Improvements (24301)	1,584,100	—	—	—	1,584,100	1,584,100	—
Davis Court Bridge Conversion (21301)	574,800	112,000	—	—	462,800	462,800	—
East Market Street & Battlefield Parkway Interchange (15303)	77,371,300	77,131,300	35,000	205,000	—	240,000	—
East Market Street Improvements (Plaza Street NE to Fort Evans Road NE) (22302)	123,500	—	123,500	—	—	123,500	—
Edwards Ferry Road NE Sidewalk Improvements (20006)	1,384,200	1,109,200	275,000	—	—	275,000	—
Evergreen Mill Road Widening (15302)	22,015,000	16,063,000	150,000	2,450,000	3,352,000	5,952,000	—
King Street Improvements - Market Street to North Street (25304)	2,991,000	—	—	—	1,969,000	1,969,000	1,022,000
Miscellaneous Roadway, Pedestrian, and ADA Projects (20005)	5,767,300	—	607,700	807,800	4,351,800	5,767,300	—
Monroe Street & Madison Court Improvements (25302)	2,475,300	—	—	—	2,475,300	2,475,300	—
Morven Park Road Sidewalk (14301)	3,614,200	2,349,200	1,075,000	190,000	—	1,265,000	—
Plaza Street Sidewalk (25303)	212,800	—	—	—	212,800	212,800	—

Uses by Project

Projects	Total Project Cost	Expended through 6/30/21	2022-2027			Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024-2027		
Royal Street Improvements - Church Street to Wirt Street (23301)	\$3,181,700	\$—	\$—	\$528,900	\$2,652,800	\$3,181,700	\$—
Route 15 Bypass/Edwards Ferry Road Interchange (09307)	184,018,800	9,882,200	60,000	60,000	10,043,600	10,163,600	163,973,000
South King Street Bridge over Tuscarora Creek Deck Replacement (23302)	194,600	—	—	194,600	—	194,600	—
Traffic Signal - Sycolin Road & Gateway Drive (24302)	758,600	—	—	—	758,600	758,600	—
Total Uses	\$367,659,000	\$106,942,800	\$4,482,700	\$4,471,300	\$28,377,200	\$37,331,200	\$223,385,000

Sources by Type (2022)	Uses by Project (2022)
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Streets and Highways

Capital Improvements Program

TITLE: Ayr Street NW Sidewalk Improvements (27301)

STATUS: Future

LOCATION: Ayr Street NW (between Cornwall Street & West Market Street)

PROGRAM DESCRIPTION: The project consists of constructing approximately 530 linear feet of new sidewalk along one side of Ayr Street NW to provide continuous pedestrian access between Cornwall Street and West Market Street. The project will improve drainage and provide an uniform roadway section by providing curb and gutter on both sides of the street and extending the storm drainage system.

OPERATING IMPACT: Increased maintenance of sidewalk and drainage systems.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 5 calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2026	Spring 2028



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$1,310,000	-	-	-	-	-	-	-	\$150,000	\$1,160,000
Total Sources	\$1,310,000	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$150,000	\$1,160,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$30,000	-	-	-	-	-	-	-	\$10,000	\$20,000
Land	100,000	-	-	-	-	-	-	-	-	100,000
Design/Engineering	140,000	-	-	-	-	-	-	-	140,000	-
Utility Relocation	60,000	-	-	-	-	-	-	-	-	60,000
Construction	980,000	-	-	-	-	-	-	-	-	980,000
Total Uses	\$1,310,000	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$150,000	\$1,160,000

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Streets and Highways

TITLE: Battlefield Parkway / Route 15 Bypass Interchange (20004)

STATUS: Ongoing

LOCATION: Route 15 Bypass/ Battlefield Parkway Intersection

PROGRAM DESCRIPTION: This project consists of development of an Interchange Access Report (IAR) for a new grade separated interchange at the current signalized intersection between the Route 15 Leesburg Bypass and Battlefield Parkway. Route 15 is part of the National Highway System that serves as a major commuter route. The intersection with Battlefield Parkway is one of three signalized intersections on the bypass. The other two traffic signals will be removed with the future construction of an interchange at Edwards Ferry Road and Fort Evans Road (project 09307). In addition to vehicular traffic issues, the bypass acts as a barrier to discourage pedestrians and bicycles from traveling between the residential and recreational areas east and west of Route 15. The initial step of developing an interchange is to prepare an IAR to evaluate the need for the interchange, compare alternative designs, analyze environmental impacts, and establish a project budget. The IAR is expected to be completed in Fall 2023. This report will provide a better estimate for the cost of the project. Completion of construction is contingent on the Town receiving funding from sources such as SmartScale, NVTA and VDOT.

OPERATING IMPACT: TBD

GOAL ADDRESSED: 2012 Town Plan

- The Transportation Corridor Objective calls for a grade-separated interchange at this location.
- Transportation Objective calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2021	TBD



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$270,000	\$5,000	-	\$35,000	-	-	-	-	\$35,000	\$230,000
PAY-GO	85,000	50,000	35,000	-	-	-	-	-	35,000	-
State - NVTA 70%	59,000,000	—	2,000,000	—	—	—	—	—	2,000,000	57,000,000
Total Sources	\$59,355,000	\$55,000	\$2,035,000	\$35,000	\$—	\$—	\$—	\$—	\$2,070,000	\$57,230,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$355,000	\$55,000	\$35,000	\$35,000	-	-	-	-	\$70,000	\$230,000
Design/Engineering	2,000,000	—	2,000,000	—	—	—	—	—	2,000,000	—
Construction	57,000,000	—	—	—	—	—	—	—	—	57,000,000
Total Uses	\$59,355,000	\$55,000	\$2,035,000	\$35,000	\$—	\$—	\$—	\$—	\$2,070,000	\$57,230,000

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Streets and Highways

Capital Improvements Program

TITLE: Bus Shelters- Town-Wide (20003)

STATUS: Ongoing

LOCATION: Town-Wide

PROGRAM DESCRIPTION: Project for design and construction of bus shelters at existing bus stops throughout Leesburg. The goal of the project is to improve conditions for bus transit users, and to encourage greater use of the bus system. Bus stops will be selected based on criteria including ridership and site conditions. Funding applications will be made to Loudoun County for Community Development Block Grant funding on an annual basis. The locations of the stops will be coordinated with Loudoun Transit.

OPERATING IMPACT: Minimal maintenance of bus shelters.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 4 calls for increasing the use of public transit service by local residents, employees, and visitors align to help reduce motor vehicle use and traffic congestion, reduce automobile emissions, and improve air quality.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Ongoing	Ongoing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$182,100	\$120,600	\$61,500	-	-	-	-	-	\$61,500	-
PAY-GO	60,300	60,300	-	-	-	-	-	-	-	-
Federal - CDBG	120,000	60,000	60,000	-	-	-	-	-	60,000	-
Total Sources	\$362,400	\$240,900	\$121,500	\$—	\$—	\$—	\$—	\$—	\$121,500	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$17,400	10,900	\$6,500	-	-	-	-	-	\$6,500	-
Land	15,000	10,000	5,000	-	-	-	-	-	5,000	-
Design/Engineering	90,000	60,000	30,000	-	-	-	-	-	30,000	-
Utility Relocation	15,000	10,000	5,000	-	-	-	-	-	5,000	-
Construction	225,000	150,000	75,000	-	-	-	-	-	75,000	-
Total Uses	\$362,400	\$240,900	\$121,500	\$—	\$—	\$—	\$—	\$—	\$121,500	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	\$ 5,000	-	-	-	-	-
Total Impact	\$ 5,000	\$ —				

Capital Improvements Program

Streets and Highways

TITLE: Catoctin Circle Trail (25301)

STATUS: Future

LOCATION: East side of Catoctin Circle between W. Market Street and Ashton Downs subdivision

PROGRAM DESCRIPTION: Design and construction of approximately 500 linear feet of asphalt trail along the east side of Catoctin Circle, between West Market Street and an existing trail that ends near the Ashton Downs subdivision. The project will include crosswalks and pedestrian signals at the West Market Street intersection.

OPERATING IMPACT: Increased maintenance for trail and pedestrian signals

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 5 calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2023	Summer 2025



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
County- NVTA 30%	\$364,400	-	-	-	\$77,500	\$286,900	-	-	\$364,400	-
Total Sources	\$364,400	\$-	\$-	\$-	\$77,500	\$286,900	\$-	\$-	\$364,400	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$44,400	-	-	-	\$7,500	\$36,900	-	-	\$44,400	-
Land	10,000	-	-	-	10,000	-	-	-	10,000	-
Design/ Engineering	60,000	-	-	-	60,000	-	-	-	60,000	-
Construction	250,000	-	-	-	-	250,000	-	-	250,000	-
Total Uses	\$364,400	\$-	\$-	\$-	\$77,500	\$286,900	\$-	\$-	\$364,400	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

Streets and Highways

Capital Improvements Program

TITLE: Church Street, South Street, Harrison Street Improvements (24301)

STATUS: Future

LOCATION: Church Street (from Royal Street to South Street), South Street (between Church Street and Harrison Street) and Harrison Street (south of the South Street intersection)

PROGRAM DESCRIPTION: Design and construction of roadway and sidewalk improvements on Church Street (from Royal Street to South Street), South Street (between Church Street and Harrison Street) and Harrison Street (south of the South Street intersection). The proposed improvements will include new curb and gutter where needed, completion of missing sidewalk segments, and other roadway modifications to promote traffic calming and pedestrian safety.

OPERATING IMPACT: Minimal maintenance cost for sidewalk and storm drainage.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 1 calls for maintaining the adopted roadway level of service standards for all roadways within the Town.
- Transportation Objective 5 calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2024	Summer 2025



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
County- NVTA 30%	\$1,584,100	-	-	-	\$273,100	\$1,311,000	-	-	\$1,584,100	-
Total Sources	\$1,584,100	\$-	\$-	\$-	\$273,100	\$1,311,000	\$-	\$-	\$1,584,100	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$69,100	-	-	-	\$33,100	\$36,000	-	-	\$69,100	-
Land	40,000	-	-	-	40,000	-	-	-	40,000	-
Design/ Engineering	200,000	-	-	-	200,000	-	-	-	200,000	-
Utility Relocation	25,000	-	-	-	-	25,000	-	-	25,000	-
Construction	1,250,000	-	-	-	-	1,250,000	-	-	1,250,000	-
Total Uses	\$1,584,100	\$-	\$-	\$-	\$273,100	\$1,311,000	\$-	\$-	\$1,584,100	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

Capital Improvements Program

Streets and Highways

TITLE: Davis Court Bridge Conversion (21301)

STATUS: Future

LOCATION: Davis Court at Olde Izaak Walton Park

PROGRAM DESCRIPTION: Davis Court provides the only vehicular access into Olde Izaak Walton Park and the Town's Dog Park. The proposed Crescent Parke development will provide alternate vehicular access to Olde Izaak Walton Park. After the alternate access is developed, the existing substandard bridge can be converted to provide non-motorized access only. The existing bridge was constructed in 1971. Based on recent inspections, the bridge is classified as being structurally deficient.

OPERATING IMPACT: Reduced bridge maintenance costs.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 1 calls for maintaining the adopted roadway level of service for all roadways in the Town.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Winter 2021/22	Summer 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Proffers	\$574,800	\$112,000	-	-	\$462,800	-	-	-	\$462,800	-
Total Sources	\$574,800	\$112,000	\$-	\$-	\$462,800	\$-	\$-	\$-	\$462,800	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$74,800	\$12,000	-	-	\$62,800	-	-	-	\$62,800	-
Land	50,000	-	-	-	50,000	-	-	-	50,000	-
Design/Engineering	100,000	100,000	-	-	-	-	-	-	-	-
Construction	350,000	-	-	-	350,000	-	-	-	350,000	-
Total Uses	\$574,800	\$112,000	\$-	\$-	\$462,800	\$-	\$-	\$-	\$462,800	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

Streets and Highways

Capital Improvements Program

TITLE: East Market Street & Battlefield Parkway Interchange (15303)

STATUS: Ongoing

LOCATION: East Market Street (Route 7) / Battlefield Parkway intersection

PROGRAM DESCRIPTION: This project consists of development of a new grade-separated interchange on East Market Street (Route 7) at Battlefield Parkway. The existing at-grade signalized intersection at this location is heavily congested and has one of the highest accident rates in the Town. East Market Street and Battlefield Parkway serve as major commuter routes. The existing retail centers in this area generate significant traffic volumes which will increase as new projects are constructed. This project is a high priority interchange for Loudoun County and the Town and is included in the TransAction 2040 plan.

OPERATING IMPACT: Additional bridge, roadway and landscape maintenance.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Corridor Objectives calls for limiting the number of at-grade intersections on East Market Street in accordance with the Route 7 Corridor Plan and for limiting the number of at-grade intersections on Battlefield Parkway, and specifically calls for constructing an interchange between Battlefield Parkway and Route 7.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Winter 2015/16	Fall 2022

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$205,000	-	-	\$205,000	-	-	-	-	\$205,000	-
PAY-GO	166,300	131,300	35,000	-	-	-	-	-	35,000	-
Proffers	1,000,000	1,000,000	-	-	-	-	-	-	-	-
State - NVTA 70%	58,000,000	58,000,000	-	-	-	-	-	-	-	-
State - VDOT	18,000,000	18,000,000	-	-	-	-	-	-	-	-
Total Sources	\$77,371,300	\$77,131,300	\$35,000	\$205,000	\$—	\$—	\$—	\$—	\$240,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$371,300	\$331,300	\$35,000	\$5,000	-	-	-	-	\$40,000	-
Land	5,000,000	5,000,000	-	-	-	-	-	-	-	-
Design/Engineering	4,000,000	4,000,000	-	-	-	-	-	-	-	-
Utility Relocation	4,000,000	4,000,000	-	-	-	-	-	-	-	-
Construction	64,000,000	63,800,000	-	200,000	-	-	-	-	200,000	-
Total Uses	\$77,371,300	\$77,131,300	\$35,000	\$205,000	\$—	\$—	\$—	\$—	\$240,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	\$10,000	\$10,000	\$25,000	\$25,000	\$30,000	\$30,000
Total Impact	\$10,000	\$10,000	\$25,000	\$25,000	\$30,000	\$30,000

Capital Improvements Program

Streets and Highways

TITLE: East Market Street Improvements (Plaza Street NE to Fort Evans Road NE) (22302)

STATUS: New

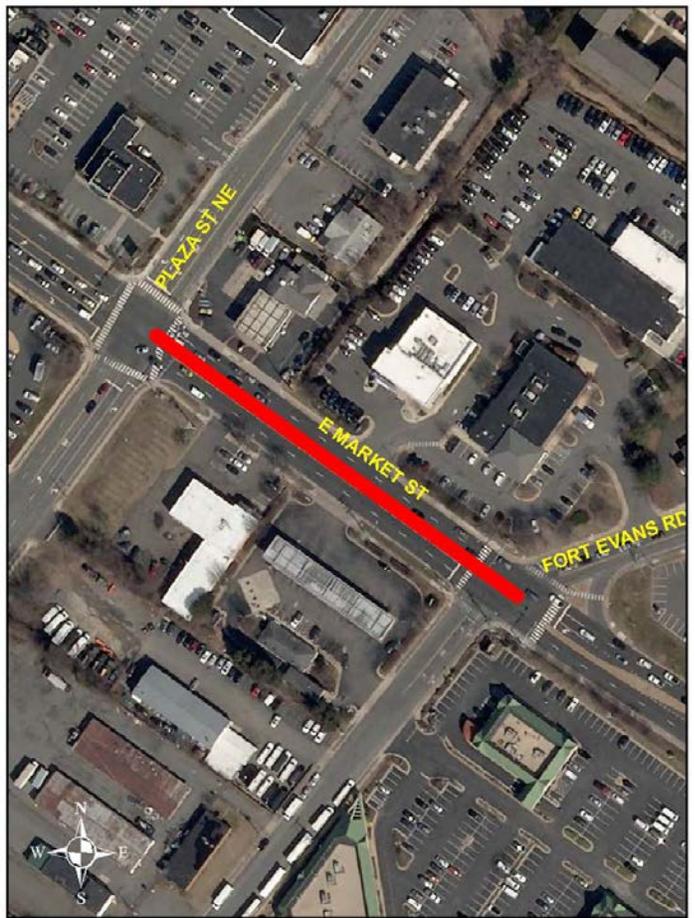
LOCATION: East Market Street (Plaza Street NE to Fort Evans Road NE)

PROGRAM DESCRIPTION: To help mitigate congestion on East Market Street, install a dedicated right turn lane on westbound East Market Street between Fort Evans Road and Plaza Street. A conceptual plan and cost estimate will be developed in conjunction with this study for possible implementation at a later date.

OPERATING IMPACT: Minimal.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 1 calls for maintaining the adopted roadway level of service standards for all roadways within the Town.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2021	Summer 2022

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$28,500	-	\$28,500	-	-	-	-	-	\$28,500	-
State- VDOT	95,000	-	95,000	-	-	-	-	-	95,000	-
Total Sources	\$123,500	\$—	\$123,500	\$—	\$—	\$—	\$—	\$—	\$123,500	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$28,500	-	\$28,500	-	-	-	-	-	\$28,500	-
Design/ Engineering	95,000	-	95,000	-	-	-	-	-	95,000	-
Total Uses	\$123,500	\$—	\$123,500	\$—	\$—	\$—	\$—	\$—	\$123,500	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Streets and Highways

Capital Improvements Program

TITLE: Edwards Ferry Road NE Sidewalk Improvements (20006)

STATUS: Ongoing

LOCATION: Edwards Ferry Road NE Sidewalk (west of Woodberry Road to Prince Street)

PROGRAM DESCRIPTION: Replace approximately 0.25 mile of sidewalk along the north side of Edwards Ferry Road from west of Woodberry Road (near the Marshall House) to Prince Street and address drainage issues in the area. The existing concrete sidewalk in this area is substandard in width and the adjacent curb is insufficient in height. The new brick sidewalk will be designed in compliance with ADA regulations and will be constructed to current standards to provide a safer walking environment. The project will also improve drainage at the intersection of Woodberry Road.

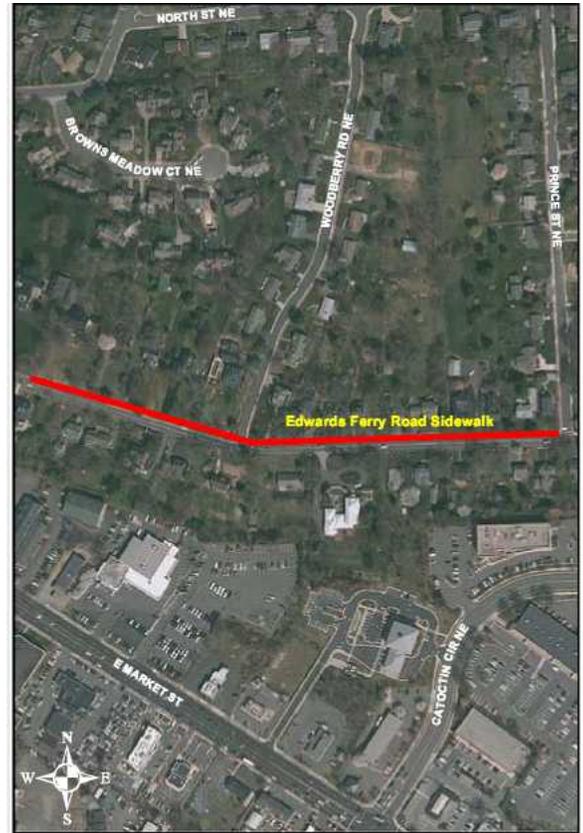
OPERATING IMPACT: Minimal.

GOAL ADDRESSED: 2012 Town Plan

- Chapter 9 Transportation Objective 5 calls for a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2019	Spring 2022



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
County - NVTA 30%	\$1,384,200	\$1,109,200	\$275,000	-	-	-	-	-	\$275,000	-
Total Sources	\$1,384,200	\$1,109,200	\$275,000	\$—	\$—	\$—	\$—	\$—	\$275,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$259,200	\$209,200	\$50,000	-	-	-	-	-	\$50,000	-
Land	150,000	100,000	50,000	-	-	-	-	-	50,000	-
Design/Engineering	120,000	100,000	20,000	-	-	-	-	-	20,000	-
Construction	855,000	700,000	155,000	-	-	-	-	-	155,000	-
Total Uses	\$1,384,200	\$1,109,200	\$275,000	\$—	\$—	\$—	\$—	\$—	\$275,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Streets and Highways

TITLE: Evergreen Mill Road Widening (15302)

STATUS: Ongoing

LOCATION: Evergreen Mill Road (Heritage High School to South King Street)

PROGRAM DESCRIPTION: Widening of approximately 1.3 mile of Evergreen Mill Road from the Heritage High School entrance (south of Battlefield Parkway) to South King Street (Route 15). The existing two-lane road will be widened to a four-lane street with sidewalk on one side and a shared use path on the other side. The project will include utility relocation, curb, gutter, and storm drainage.

The project limits were extended in 2018 to south of Battlefield Parkway at the request of Loudoun County.

OPERATING IMPACT: VDOT maintenance payments will increase with the additional lanes of roadway.

GOAL ADDRESSED: 2012 Town Plan

- The Transportation Corridor Objectives call for widening this roadway to four lanes with a controlled number of access points.
- Transportation Objective 1 calls for maintaining the adopted roadway level of service standards for all roadways within the Town.
- Transportation Objective 5 calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Winter 2017	Winter 2026



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$2,531,500	\$70,000	-	-	-	\$2,396,500	\$65,000	-	\$2,461,500	-
PAY-GO	33,200	33,200	-	-	-	-	-	-	-	-
County - Capital Contribution	6,000,000	6,000,000	-	-	-	-	-	-	-	-
County - NVTA 30%	6,299,000	3,299,000	100,000	2,009,500	225,000	665,500	-	-	3,000,000	-
State - VDOT	7,151,300	6,660,800	50,000	440,500	-	-	-	-	490,500	-
Total Sources	\$22,015,000	\$16,063,000	\$150,000	\$2,450,000	\$225,000	\$3,062,000	\$65,000	\$—	\$5,952,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$928,000	\$763,000	\$50,000	\$50,000	\$25,000	\$25,000	\$15,000	-	\$165,000	-
Land	1,500,000	500,000	-	1,000,000	-	-	-	-	1,000,000	-
Design/Engineering	1,700,000	1,600,000	100,000	-	-	-	-	-	100,000	-
Utility Relocation	2,800,000	1,400,000	-	1,400,000	-	-	-	-	1,400,000	-
Construction	15,087,000	11,800,000	-	-	200,000	3,037,000	50,000	-	3,287,000	-
Total Uses	\$22,015,000	\$16,063,000	\$150,000	\$2,450,000	\$225,000	\$3,062,000	\$65,000	\$—	\$5,952,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
Lane Mile Maintenance	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Total Impact	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000

Streets and Highways

Capital Improvements Program

TITLE: King Street Improvements - Market Street to North Street (25304)

STATUS: Future

LOCATION: North King Street (between Market Street and North Street)

PROGRAM DESCRIPTION: This is the final phase of the Downtown Improvements project, the purpose of which is to make the Downtown a more vibrant area and includes replacement of sidewalk, curb and gutter, reconstructing the roadway pavement, and adding crosswalks on North King Street at Market Street and North Street. The work will include decorative street lighting on this section of King Street. The project scope has increased to add improvements and street lighting along King Street between Cornwall Street and North Street.

OPERATING IMPACT: Minimal increased maintenance of the improvements.

GOAL ADDRESSED: 2012 Town Plan

- Economic Development Objective 1 encourages promotion of economic development, specifically by building on the role of the Downtown area as an activity center.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2024	Winter 2030/31



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$2,991,000	-	-	-	-	\$214,000	\$720,000	\$1,035,000	\$1,969,000	\$1,022,000
Total Sources	\$2,991,000	\$—	\$—	\$—	\$—	\$214,000	\$720,000	\$1,035,000	\$1,969,000	\$1,022,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$127,000	-	-	-	-	\$50,000	\$20,000	\$35,000	\$105,000	\$22,000
Land	66,000	-	-	-	-	-	66,000	-	66,000	-
Design/Engineering	164,000	-	-	-	164,000	-	-	-	164,000	-
Utility Relocation	66,000	-	-	-	-	-	66,000	-	66,000	-
Construction	2,568,000	-	-	-	-	-	568,000	1,000,000	1,568,000	1,000,000
Total Uses	\$2,991,000	\$—	\$—	\$—	\$—	\$214,000	\$720,000	\$1,035,000	\$1,969,000	\$1,022,000

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	-	-	-	-
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Streets and Highways

TITLE: Miscellaneous Roadway, Pedestrian, and ADA Projects (20005)

STATUS: Ongoing

LOCATION: Town-wide

PROGRAM DESCRIPTION: Multi-year project for design and construction of miscellaneous improvements to roadways, trails, and sidewalks to extend the long-term life of the facilities and to meet the requirements of the Americans with Disabilities Act (ADA). This work will involve enhancing handicap ramps and crosswalks, eliminating trip hazards, deep patching of roadway pavements, and other related work as outlined in the Town's ADA Transition Plan.

OPERATING IMPACT: Minimal.

GOAL ADDRESSED: 2012 Town Plan

- Chapter 9 Transportation Objective 1 calls for the Town to maintain the adopted roadway level of service standards for all roadways within the Town, and Objective 5 calls for a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Ongoing	Ongoing



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$5,767,300	-	\$607,700	\$807,800	\$1,008,600	\$1,111,900	\$1,114,000	\$1,117,300	\$5,767,300	-
Total Sources	\$5,767,300	\$—	\$607,700	\$807,800	\$1,008,600	\$1,111,900	\$1,114,000	\$1,117,300	\$5,767,300	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$217,300	-	\$32,700	\$32,800	\$33,600	\$36,900	\$39,000	\$42,300	\$217,300	-
Design/Engineering	375,000	-	50,000	50,000	50,000	75,000	75,000	75,000	375,000	-
Construction	5,175,000	-	525,000	725,000	925,000	1,000,000	1,000,000	1,000,000	5,175,000	-
Total Uses	\$5,767,300	\$—	\$607,700	\$807,800	\$1,008,600	\$1,111,900	\$1,114,000	\$1,117,300	\$5,767,300	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Streets and Highways

Capital Improvements Program

TITLE: Monroe Street & Madison Court Improvements (25302)

STATUS: Future

LOCATION: Monroe Street SE (400 block) and Madison Court SE (Monroe Street to Madison House)

PROGRAM DESCRIPTION: Design and construction of improvements to approximately 850 linear feet of Monroe Street, SE from South King Street to the cul-de-sac at Madison House, and approximately 500 linear feet of Madison Court, SE from Monroe Street to the cul-de-sac. The improvements will include new curb and gutter, on-street parking on one side, sidewalk on one side, and storm drainage.

OPERATING IMPACT: Increase maintenance for sidewalk and drainage system.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 1 calls for maintaining the adopted roadway level of service standards for all roadways within the Town.
- Transportation Objective 5 calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2023	Summer 2026



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Go Bonds	\$125,300	-	-	-	\$13,300	\$72,000	\$40,000	-	\$125,300	-
County - NVTA 30%	2,350,000	-	-	-	200,000	1,050,000	1,100,000	-	2,350,000	-
Total Sources	\$2,475,300	\$-	\$-	\$-	\$213,300	\$1,122,000	\$1,140,000	\$-	\$2,475,300	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$125,300	-	-	-	\$13,300	\$72,000	\$40,000	-	\$125,300	-
Land	200,000	-	-	-	-	200,000	-	-	200,000	-
Design/Engineering	200,000	-	-	-	200,000	-	-	-	200,000	-
Utility Relocation	50,000	-	-	-	-	50,000	-	-	50,000	-
Construction	1,900,000	-	-	-	-	800,000	1,100,000	-	1,900,000	-
Total Uses	\$2,475,300	\$-	\$-	\$-	\$213,300	\$1,122,000	\$1,140,000	\$-	\$2,475,300	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

Capital Improvements Program

Streets and Highways

TITLE: Morven Park Road Sidewalk (14301)

STATUS: Ongoing

LOCATION: Morven Park Road (West Market Street to Old Waterford Road)

PROGRAM DESCRIPTION: The project consists of constructing missing segments of sidewalk along the west side of Morven Park Road to provide continuous pedestrian access between West Market Street and Old Waterford Road. The project will improve drainage and provide a uniform roadway section by completing the curb and gutter on both sides of the street and extending the storm drain system. The waterline will be replaced between West Market Street and Old Waterford Road, as well as on Old Waterford Road, at the request of the Utilities Department.

OPERATING IMPACT: Minimal increased maintenance of sidewalk and drainage system.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 5 calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2018	Spring 2023



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
County - NVTA 30%	\$3,614,200	\$2,349,200	\$1,075,000	\$190,000	-	-	-	-	\$1,265,000	-
Total Sources	\$3,614,200	\$2,349,200	\$1,075,000	\$190,000	\$—	\$—	\$—	\$—	\$1,265,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$344,200	\$249,200	\$75,000	\$20,000	-	-	-	-	\$95,000	-
Land	200,000	200,000	-	-	-	-	-	-	-	-
Design/Engineering	400,000	400,000	-	-	-	-	-	-	-	-
Utility Relocation	200,000	200,000	-	-	-	-	-	-	-	-
Construction	2,470,000	1,300,000	1,000,000	170,000	-	-	-	-	1,170,000	-
Total Uses	\$3,614,200	\$2,349,200	\$1,075,000	\$190,000	\$—	\$—	\$—	\$—	\$1,265,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
Lane Mile Maintenance	-	-	\$10,000	\$10,000	\$10,000	\$10,000
Total Impact	\$—	\$—	\$10,000	\$10,000	\$10,000	\$10,000

Streets and Highways

Capital Improvements Program

TITLE: Plaza Street Sidewalk (25303)

STATUS: Future

LOCATION: Leesburg Apartments Block of Plaza Street NE

PROGRAM DESCRIPTION: Construction of approximately 1,000 linear feet of sidewalk along the west side of Plaza Street between the Police Station and Edwards Ferry Road. This segment of sidewalk will complete a missing link and will improve pedestrian access and safety for residents of the Fields of Leesburg apartments and other residents in northeast Leesburg.

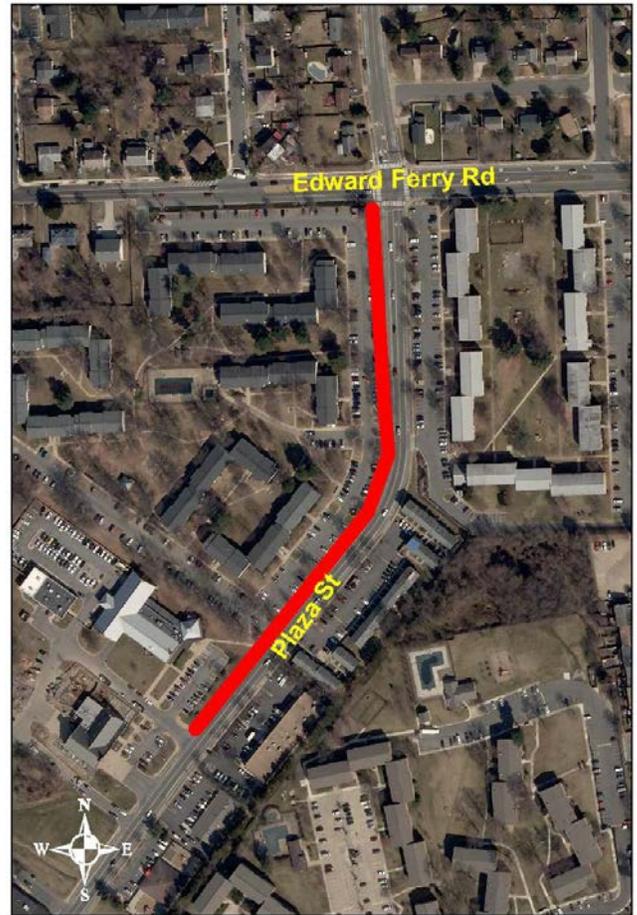
OPERATING IMPACT: Minimal

GOAL ADDRESSED: 2012 Town Plan

- Chapter 9 Transportation Objective 5 calls for a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2024	Summer 2025



Funding Sources

Sources	Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Proffers	\$68,000	-	-	-	-	\$68,000	-	-	\$68,000	-
County- NVTA 30%	111,050	-	-	-	-	111,050	-	-	111,050	-
State- VDOT	33,750	-	-	-	-	33,750	-	-	33,750	-
Total Sources	\$212,800	\$—	\$—	\$—	\$—	\$212,800	\$—	\$—	\$212,800	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$9,300	-	-	-	-	\$9,300	-	-	\$9,300	-
Design/ Engineering	18,500	-	-	-	-	18,500	-	-	18,500	-
Construction	185,000	-	-	-	-	185,000	-	-	185,000	-
Total Uses	\$212,800	\$—	\$—	\$—	\$—	\$212,800	\$—	\$—	\$212,800	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Streets and Highways

TITLE: Royal Street Improvements - Church Street to Wirt Street (23301)

STATUS: Future

LOCATION: Royal Street between Church Street SE and Wirt Street SW

PROGRAM DESCRIPTION: Improve approximately 950 linear feet of Royal Street between Church Street SE and Wirt Street SW. The purpose of the improvements are to make the area more walkable, to eliminate drainage problems, and to improve aesthetics of the area. Improvements will include replaced curb and gutter, brick sidewalks, storm drainage, and road improvements.

OPERATING IMPACT: Increased sidewalk and storm drain system maintenance

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 5 calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.
- Community Facilities and Services Objective 8 calls for providing adequate storm water management that meets state and federal criteria for water quality.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2022	Summer 2025



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
County- NVTA 30%	\$3,181,700	-	-	\$528,900	\$495,300	\$2,157,500	-	-	\$3,181,700	-
Total Sources	\$3,181,700	\$—	\$—	\$528,900	\$495,300	\$2,157,500	\$—	\$—	\$3,181,700	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$253,200	-	-	\$100,900	\$102,300	\$50,000	-	-	\$253,200	-
Land	328,000	-	-	178,000	150,000	-	-	-	328,000	-
Design/ Engineering	328,000	-	-	250,000	78,000	-	-	-	328,000	-
Utility Relocation	165,000	-	-	-	165,000	-	-	-	165,000	-
Construction	2,107,500	-	-	-	-	2,107,500	-	-	2,107,500	-
Total Uses	\$3,181,700	\$—	\$—	\$528,900	\$495,300	\$2,157,500	\$—	\$—	\$3,181,700	\$—

Operating Impact

Operating/Maintenance	2020	2021	2022	2023	2024	2025
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Streets and Highways

Capital Improvements Program

TITLE: Route 15 Bypass/Edwards Ferry Road Interchange (09307)

STATUS: Ongoing

LOCATION: Edwards Ferry Road/Route 15 Leesburg Bypass intersection

PROGRAM DESCRIPTION: The project consists of the development of a new grade-separated interchange on Edwards Ferry Road at the Route 15 Leesburg Bypass and will include the intersection at Fort Evans Road. These two existing signalized at-grade intersections are heavily congested and have high accident rates. Route 15 serves as a major commuter route, and there are numerous large retail developments in the area that generate significant traffic volumes. Currently, large volumes of pedestrian traffic cross the bypass between the residential areas inside the bypass and the commercial development outside the bypass.

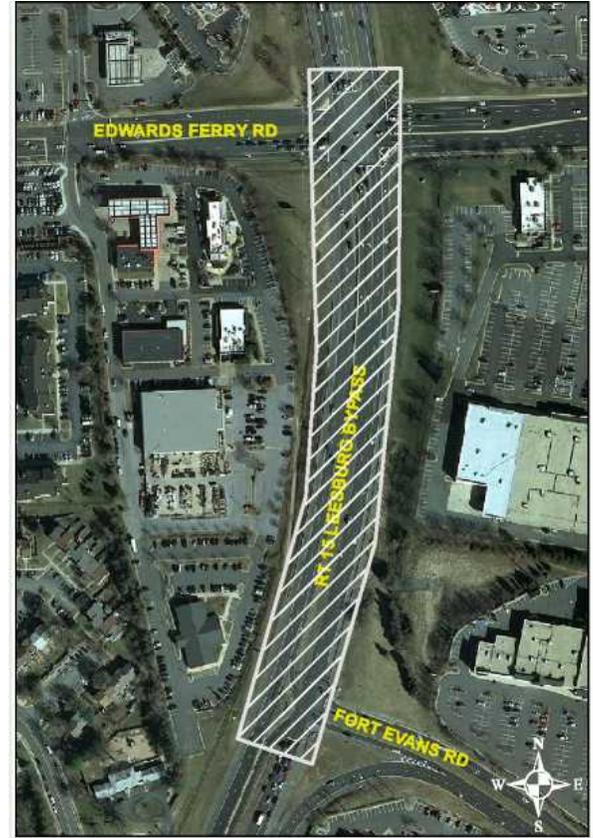
OPERATING IMPACT: TBD

GOAL ADDRESSED: 2012 Town Plan

- The Transportation Corridor Objectives calls for a grade-separated interchange at this location.
- Transportation Objective calls for providing a safe, convenient, continuous, comfortable, and aesthetically pleasing transportation environment that promotes bicycling and walking.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
TBD	TBD



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$470,400	\$170,400	-	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$300,000	-
PAY-GO	160,000	100,000	60,000	-	-	-	-	-	60,000	-
State- NVTA 70%	9,585,000	9,585,000	-	-	-	-	-	-	-	-
County- NVTA 30%	26,800	26,800	-	-	-	-	-	-	-	-
State- VDOT	173,776,600	-	-	-	-	6,061,600	1,742,000	2,000,000	9,803,600	163,973,000
Total Sources	\$184,018,800	\$9,882,200	\$60,000	\$60,000	\$60,000	\$6,121,600	\$1,802,000	\$2,060,000	\$10,163,600	\$163,973,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$942,200	\$582,200	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$360,000	-
Land	13,389,000	4,000,000	-	-	-	-	-	414,000	2,414,000	6,975,000
Design/Engineering	12,689,600	5,300,000	-	-	-	6,061,600	1,328,000	-	7,389,600	-
Construction	156,998,000	-	-	-	-	-	-	-	-	156,998,000
Total Uses	\$184,018,800	\$9,882,200	\$60,000	\$60,000	\$60,000	\$6,121,600	\$1,802,000	\$2,060,000	\$10,163,600	\$163,973,000

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Streets and Highways

TITLE: South King Street Bridge over Tuscarora Creek Deck Replacement (23302)

STATUS: Future

LOCATION: South King Street Bridge over Tuscarora Creek

PROGRAM DESCRIPTION: The South King Street bridge over Tuscarora Creek, located immediately south of the Clubhouse Drive intersection, was originally constructed in 1952 and was widened in 1970. A recent inspection and analysis of the bridge revealed that the bridge deck and other minor structural elements of the bridge are in poor condition. It is forecast that these deficient bridge elements will require repair and/or replacement within the next five years.

OPERATING IMPACT: Reduced maintenance expense.

GOAL ADDRESSED: 2012 Town Plan

- Chapter 9 Transportation Objective 1 calls for the Town to maintain roadway level of service standards.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2023	Summer 2023



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
State - VDOT	\$194,600	-	-	\$194,600	-	-	-	-	\$194,600	-
Total Sources	\$194,600	\$—	\$—	\$194,600	\$—	\$—	\$—	\$—	\$194,600	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$44,600	-	-	\$44,600	-	-	-	-	\$44,600	-
Construction	150,000	-	-	150,000	-	-	-	-	150,000	-
Total Uses	\$194,600	\$—	\$—	\$194,600	\$—	\$—	\$—	\$—	\$194,600	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Streets and Highways

Capital Improvements Program

TITLE: Traffic Signal - Sycolin Road & Gateway Drive (24302)

STATUS: Future

LOCATION: Sycolin Road / Gateway Drive intersection

PROGRAM DESCRIPTION: Construct a new traffic signal at the intersection of Sycolin Road and Gateway Drive. The signal is anticipated to be warranted due to increased traffic volumes in the area.

OPERATING IMPACT: Additional maintenance and operation of the signal.

GOAL ADDRESSED: 2012 Town Plan

- Chapter 9 Transportation Objective 1 calls for the Town to maintain roadway level of service standards.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2023	Fall 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Funds Required
GO Bonds	\$33,600	-	-	-	\$20,000	\$13,600	-	-	\$33,600	-
Proffers	300,000	-	-	-	-	300,000	-	-	300,000	-
State- VDOT	425,000	-	-	-	425,000	-	-	-	425,000	-
Total Sources	\$758,600	\$—	\$—	\$—	\$445,000	\$313,600	\$—	\$—	\$758,600	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Project Cost
Project Management	\$33,600	-	-	-	\$20,000	\$13,600	-	-	\$33,600	-
Land	40,000	-	-	-	40,000	-	-	-	40,000	-
Design/ Engineering	60,000	-	-	-	60,000	-	-	-	60,000	-
Construction	625,000	-	-	-	325,000	300,000	-	-	625,000	-
Total Uses	\$758,600	\$—	\$—	\$—	\$445,000	\$313,600	\$—	\$—	\$758,600	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	-	-	-	-
Total Impact	—	—	—	—	—	—



Capital Improvements Program

Storm Drainage

TITLE: Lawson Road Pedestrian Crossing of Tuscarora Creek (27401)

STATUS: Future

LOCATION:

PROGRAM DESCRIPTION: Tuscarora Creek has significantly deteriorated the low water crossing between two cul-de-sacs on Lawson Road. A new stream crossing will provide bicycle and pedestrian access to the W&OD Trail from residential communities. Bank erosion approximately 200 feet upstream of the crossing will be stabilized to reduce further bank loss.

OPERATING IMPACT: Minor increased cost for maintenance of the crossing.

GOAL ADDRESSED: 2012 Town Plan

- Natural Resources Objective 9 calls for protection of people and property from natural hazards such as flooding.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2021	Spring 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/19							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$965,000	-	\$190,000	\$775,000	-	-	-	-	\$965,000	-
PAY-GO	20,000	-	20,000	-	-	-	-	-	20,000	-
Total Sources	\$985,000	\$—	\$210,000	\$775,000	\$—	\$—	\$—	\$—	\$985,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/19							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$50,000	-	\$20,000	\$30,000	-	-	-	-	\$50,000	-
Design/Engineering	175,000	-	175,000	-	-	-	-	-	175,000	-
Land	15,000	-	15,000	-	-	-	-	-	15,000	-
Utility Relocation	15,000	-	-	15,000	-	-	-	-	15,000	-
Construction	730,000	-	-	730,000	-	-	-	-	730,000	-
Total Uses	\$985,000	\$—	\$210,000	\$775,000	\$—	\$—	\$—	\$—	\$985,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

TITLE: Liberty Street SW Storm Drainage Improvements (23401)
STATUS: Future

LOCATION: Liberty Street between Loudoun Street and West Market Street

PROGRAM DESCRIPTION: Improvement to the existing storm sewer system on Liberty Street between Loudoun Street and West Market Street to correct drainage system deficiencies which cause flooding of the street and an adjacent house. A study being performed will include recommended improvements to mitigate the flooding.

OPERATING IMPACT: None.

GOAL ADDRESSED: 2012 Town Plan

- The Community Facilities and Services goal is to provide community facilities and services in a cost-effective, equitable, and environmentally sensitive manner. Objective 8 addresses providing adequate stormwater management facilities.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2023	Summer 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$607,800	-	-	-	\$607,800	-	-	-	\$607,800	-
Total Sources	\$607,800	\$—	\$—	\$—	\$607,800	\$—	\$—	\$—	\$607,800	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$32,800	-	-	-	\$32,800	-	-	-	\$32,800	-
Design/Engineering	125,000	-	-	-	125,000	-	-	-	125,000	-
Construction	450,000	-	-	-	450,000	-	-	-	450,000	-
Total Uses	\$607,800	\$—	\$—	\$—	\$607,800	\$—	\$—	\$—	\$607,800	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Storm Drainage

TITLE: Market Street/King Street Intersection and Alley Between 3 and 5 South King Street Improvements (17016)

STATUS: Ongoing

LOCATION: Market Street/King Street Intersection and Alley between 3 and 5 South King Street

PROGRAM DESCRIPTION: This project includes drainage improvements at the intersection of Market Street and King Street. Existing inlets currently located at each corner of the intersection will be replaced with new inlets set back away from the corners, because the existing inlets are routinely damaged by turning movements of heavy trucks. Also included in the project is the replacement of the 50 year old street lights and rerouting power to the lights and signal pole underground. These improvements will result in improved drainage and reduced repair and maintenance costs. The project also includes improvements to the alley located between 3 and 5 South King Street, which provides public access to several addresses. The alley improvements are scheduled to be complete in Spring 2021.

OPERATING IMPACT: Reduced maintenance of the Town's storm drain system.

GOAL ADDRESSED: 2012 Town Plan

- The Community Facilities and Services goal is to provide sufficient facilities and services to all residents and businesses so that the natural and built environments are protected and restorative measures are taken when resources and other assets have been diminished.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2010	Fall 2021

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$850,000	\$850,000	-	-	-	-	-	-	-	-
Proffers	336,000	211,000	125,000	-	-	-	-	-	125,000	-
Total Sources	\$1,186,000	\$1,061,000	\$125,000	\$—	\$—	\$—	\$—	\$—	\$125,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$16,000	\$11,000	\$5,000	-	-	-	-	-	\$5,000	-
Design/Engineering	100,000	34,000	66,000	-	-	-	-	-	66,000	-
Utility Relocation	40,000	40,000	-	-	-	-	-	-	-	-
Construction	1,030,000	976,000	54,000	-	-	-	-	-	54,000	-
Total Uses	\$1,186,000	\$1,061,000	\$125,000	\$—	\$—	\$—	\$—	\$—	\$125,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Storm Drainage

Capital Improvements Program

TITLE: Royal Street SE Storm Drainage Improvements (20007)

STATUS: Ongoing

LOCATION: Royal Street SE (north side of 200 block)

PROGRAM DESCRIPTION: Design and construction of drainage improvements on Royal Street, SE east of Harrison Street. Improvements will mitigate localized flooding of residential buildings along the north side of the street.

OPERATING IMPACT: Increased maintenance of additional storm sewer pipes and structures.

GOAL ADDRESSED: 2012 Town Plan

- Natural Resources Objective 9 calls for protection of people and property from natural hazards such as flooding.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2019	Fall 2021



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$482,900	\$447,900	\$35,000	-	-	-	-	-	\$35,000	-
PAY-GO	10,000	-	10,000	-	-	-	-	-	10,000	-
Total Sources	\$492,900	\$447,900	\$45,000	\$-	\$-	\$-	\$-	\$-	\$45,000	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$42,900	\$32,900	\$10,000	-	-	-	-	-	\$10,000	-
Land	50,000	15,000	35,000	-	-	-	-	-	35,000	-
Design/Engineering	100,000	100,000	-	-	-	-	-	-	-	-
Utility Relocation	25,000	25,000	-	-	-	-	-	-	-	-
Construction	275,000	275,000	-	-	-	-	-	-	-	-
Total Uses	\$492,900	\$447,900	\$45,000	\$-	\$-	\$-	\$-	\$-	\$45,000	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

TITLE: Town Branch Stream Channel Improvements at Mosby Drive - Catoctin Circle to Morven Park Road (23402)

STATUS: Future

LOCATION: Mosby Drive - Catoctin Circle SW to Morven Park Road SW

PROGRAM DESCRIPTION: Improvement to an existing stream channel that is experiencing significant erosion and is affecting adjoining properties. The erosion is causing a large sediment transport issue that is an area of concern for the Town's Chesapeake Bay TMDL required reductions. This project is eligible for Virginia grant funding from the Stormwater Local Assistance Program. The Town will apply for this funding in 2021 to secure funding for work to begin in Fiscal Year 2023. If we are not successful in our application, this project will be moved to Fiscal Year 2027.

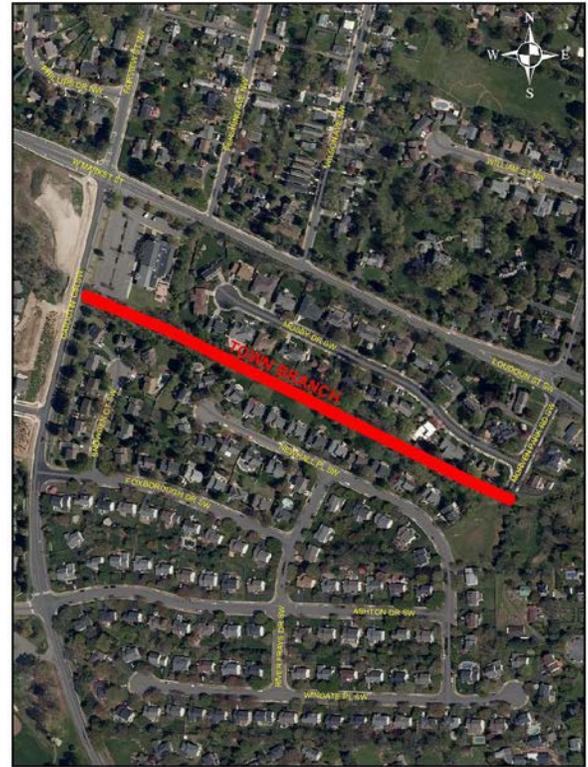
OPERATING IMPACT: Minimal.

GOAL ADDRESSED: 2012 Town Plan

- Natural Resources Objective 2 calls for protection and restoration of the ecological integrity of streams by utilizing watershed management tools to offset the impacts of development.
- Natural Resources Objective 9 calls for the protection of people and property from natural hazards such as flooding.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2022	Spring 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21	Year						Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$1,540,000	-	-	\$1,490,000	\$50,000	-	-	-	\$1,540,000	-
State-DEQSLAF	1,000,000	-	-	-	1,000,000	-	-	-	1,000,000	-
Total Sources	\$2,540,000	\$—	\$—	\$1,490,000	\$1,050,000	\$—	\$—	\$—	\$2,540,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21	Year						Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$140,000	-	-	\$90,000	\$50,000	-	-	-	\$140,000	-
Land	200,000	-	-	200,000	-	-	-	-	200,000	-
Design/Engineering	200,000	-	-	200,000	-	-	-	-	200,000	-
Construction	2,000,000	-	-	1,000,000	1,000,000	-	-	-	2,000,000	-
Total Uses	\$2,540,000	\$—	\$—	\$1,490,000	\$1,050,000	\$—	\$—	\$—	\$2,540,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

TITLE: Airport Apron Paving (23001)

STATUS: Future

LOCATION: Leesburg Executive Airport

PROGRAM DESCRIPTION: Mill and overlay existing aircraft apron area located south of the Terminal Building near the fixed base operator (FBO) Maintenance and Corporate Hangar. This approximately 46,000 square yard apron was identified in the 2015 Virginia Department of Aviation Pavement Management Update as currently having "fair" pavement condition, with a forecast of "poor" pavement condition prior to 2021. The apron provides 75 tie-downs for based and transient aircraft, as well as taxi lanes for maneuvering aircraft to the hangar and terminal areas.

The estimated completion schedule for this project is contingent on receiving the funding the Town plans to request from the Federal Aviation Administration and the Virginia Department of Aviation. This project is in accordance with the 2019 Airport Master Plan.

OPERATING IMPACT: Project will extend the useful life of the pavement and reduce the maintenance required.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 6 calls for the promotion and protection of the Leesburg Executive Airport as a primary reliever airport within the regional air transportation system.

2019 Airport Master Plan

- Identifies the apron pavement as needing rehabilitation.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2021	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$59,000	-	\$20,000	\$39,000	-	-	-	-	\$59,000	-
State- DOAV	132,000	-	12,000	120,000	-	-	-	-	132,000	-
Federal- FAA	1,485,000	-	135,000	1,350,000	-	-	-	-	1,485,000	-
Total Sources	\$1,676,000	\$—	\$167,000	\$1,509,000	\$—	\$—	\$—	\$—	\$1,676,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$21,000	-	\$12,000	\$9,000	-	-	-	-	\$21,000	-
Design/ Engineering	155,000	-	155,000	-	-	-	-	-	155,000	-
Construction	1,500,000	-	-	1,500,000	-	-	-	-	1,500,000	-
Total Uses	\$1,676,000	\$—	\$167,000	\$1,509,000	\$—	\$—	\$—	\$—	\$1,676,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

Airport

Capital Improvements Program

TITLE: Airport FBO Hangar Purchase (22001)

STATUS: Future

LOCATION: Leesburg Executive Airport

PROGRAM DESCRIPTION: Purchase of the fixed-base operator (FBO) hangars. Town acquisition of an existing commercial hangar complex would ensure critical aviation business services such as aircraft refueling, aircraft maintenance, and avionics repair remain available. These services are important to retain based aircraft tenants and to competitively attract new tenants and aviation businesses. The Town could directly encourage aviation business growth in the commercial facility while creating a new revenue stream. Currently, no Town rental revenue derives from the existing commercial hangar tenants.

OPERATING IMPACT: Increased building maintenance costs.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 6 calls for the promotion and protection of the Leesburg Executive Airport as a primary reliever airport within the regional air transportation system.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2024	Fall 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$3,010,000	-	-	-	\$3,010,000	-	-	-	\$3,010,000	-
Total Sources	\$3,010,000	\$-	\$-	\$-	\$3,010,000	\$-	\$-	\$-	\$3,010,000	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$10,000	-	-	-	\$10,000	-	-	-	\$10,000	-
Land	3,000,000	-	-	-	3,000,000	-	-	-	3,000,000	-
Total Uses	\$3,010,000	\$-	\$-	\$-	\$3,010,000	\$-	\$-	\$-	\$3,010,000	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

Capital Improvements Program

TITLE: Airport North Hangars (19002)

STATUS: Ongoing

LOCATION: Leesburg Executive Airport

PROGRAM DESCRIPTION: This project will develop 11 new tie-down spaces, 26 new T-hangars, three corporate box hangars and a future 180' x 80' future building parcel on the northeast corner of the airport property. The project will replace a loss of hangar capacity due to the planned demolition of three old T-hangar buildings in order to comply with Federal Aviation Administration (FAA) runway-separation design standards. The project will include construction of an aircraft taxiway connector, aprons, storm drainage with nutrient treatment onsite, and utilities necessary to serve the facilities. Funding participation is anticipated from the FAA and the Virginia Department of Aviation (DOAV) for eligible portions of site work and paving; however, timing and final amounts are to be determined. This project is in accordance with the 2019 Airport Master Plan.

OPERATING IMPACT: Minimal electric costs.

GOAL ADDRESSED: 2012 Town Plan

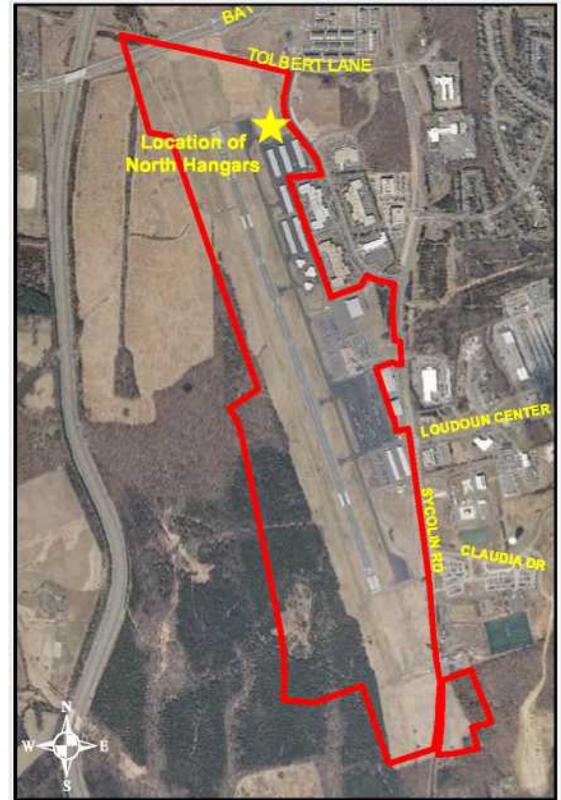
- Transportation Objective 6 calls for promotion and protection of the Leesburg Executive Airport as a primary reliever airport within the regional air transportation system.

2019 Airport Master Plan

- Recommends construction of corporate and T-hangars to meet aircraft parking demand.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2019	Summer 2023



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$2,392,000	1,293,000	\$1,079,000	\$20,000	-	-	-	-	\$1,099,000	-
PAY-GO	102,000	102,000	-	-	-	-	-	-	-	-
State- DOAV	1,900,000	1,732,000	168,000	-	-	-	-	-	168,000	-
Federal- FAA	960,000	130,000	830,000	-	-	-	-	-	830,000	-
Total Sources	\$5,354,000	\$3,257,000	\$2,077,000	\$20,000	\$—	\$—	\$—	\$—	\$2,097,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$136,000	\$96,000	\$20,000	\$20,000	-	-	-	-	\$40,000	-
Design/ Engineering	400,000	260,000	140,000	-	-	-	-	-	140,000	-
Construction	4,818,000	2,901,000	1,917,000	-	-	-	-	-	1,917,000	-
Total Uses	\$5,354,000	\$3,257,000	\$2,077,000	\$20,000	\$—	\$—	\$—	\$—	\$2,097,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
Electricity	\$—	\$800	\$800	\$800	\$800	\$800
General Maintenance	—	2,200	2,200	2,200	2,200	2,200
Total Impact	\$—	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000

Airport

Capital Improvements Program

TITLE: Airport Parallel Taxiway Relocation (23002)

STATUS: Future

LOCATION: Leesburg Executive Airport

PROGRAM DESCRIPTION: Relocation and reconstruction of the existing parallel taxiway further from the runway in order to meet Federal Aviation Administration (FAA) standards. The project has been broken into two construction phases to facilitate funding opportunities. The estimated completion schedule for this project is contingent on receiving the funding to be requested from the Federal Aviation Administration (FAA) and the Virginia Department of Aviation (DOAV) for eligible portions of the project. This project is in accordance with the 2019 Airport Master Plan.

OPERATING IMPACT: None.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 6 calls for the promotion and protection of the Leesburg Executive Airport as a primary reliever airport within the regional air transportation system.

2019 Airport Master Plan

- Identifies need to relocate the parallel taxiway to meet current standards.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2024	Winter 2031

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$339,000	-	-	-	\$5,300	\$70,000	\$8,000	\$125,000	\$208,300	\$130,700
State- DOAV	860,000	-	-	-	1,200	60,000	-	400,000	461,200	398,800
Federal- FAA	9,684,000	-	-	-	13,500	675,000	-	4,500,000	5,188,500	4,495,500
Total Sources	\$10,883,000	\$—	\$—	\$—	\$20,000	\$805,000	\$8,000	\$5,025,000	\$5,858,000	\$5,025,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$118,000	-	-	-	\$5,000	\$55,000	\$8,000	\$25,000	\$93,000	\$25,000
Design/ Engineering	765,000	-	-	-	15,000	750,000	-	-	765,000	-
Construction	10,000,000	-	-	-	-	-	-	5,000,000	5,000,000	5,000,000
Total Uses	\$10,883,000	\$—	\$—	\$—	\$20,000	\$805,000	\$8,000	\$5,025,000	\$5,858,000	\$5,025,000

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

TITLE: Airport RPZ Land Acquisition (25002)

STATUS: Future

LOCATION: Leesburg Executive Airport

PROGRAM DESCRIPTION: The 2019 Airport Master Plan has identified a need for the airport to acquire the land within the runway protection zone. For safety reasons, it is important that minimal development occur in the area. The land acquisition will also provide land on which to update the Runway 17 Approach lighting system. Acquisition requires completion of an Environmental Assessment prior to negotiations and purchase. Funding participation is anticipated from the Federal Aviation Administration (FAA) and the Virginia Department of Aviation (DOAV) for eligible portions of the project.

OPERATING IMPACT: Minimal maintenance costs.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 6: Calls for the promotion and protection of the Leesburg Executive Airport as a primary reliever airport within the regional air transportation system.

2019 Airport Master Plan

- Identifies the need for the airport to acquire the land within the runway protection zone to improve safety.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2024	Fall 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Funds Required
GO Bonds	\$91,000	\$—	\$—	\$—	\$—	\$23,000	\$11,000	\$57,000	\$91,000	\$—
State- DOAV	224,000	—	—	—	—	12,000	12,000	200,000	224,000	—
Federal- FAA	2,520,000	—	—	—	—	135,000	135,000	2,250,000	2,520,000	—
Total Sources	\$2,835,000	\$—	\$—	\$—	\$—	\$170,000	\$158,000	\$2,507,000	\$2,835,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Project Cost
Project Management	\$30,000	\$—	\$—	\$—	\$—	\$15,000	\$8,000	\$7,000	\$30,000	\$—
Design/ Engineering	305,000	—	—	—	—	155,000	150,000	—	305,000	—
Land Acquisition	2,500,000	—	—	—	—	—	—	2,500,000	2,500,000	—
Total Uses	\$2,835,000	\$—	\$—	\$—	\$—	\$170,000	\$158,000	\$2,507,000	\$2,835,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Airport

Capital Improvements Program

TITLE: Airport Runway Pavement Rehabilitation (23003)

STATUS: Future

LOCATION: Leesburg Executive Airport

PROGRAM DESCRIPTION: Runway pavement condition is critical to the safe landing and takeoff for aircrafts. The most recent pavement evaluation completed in 2015 recommended a combination of mill and overlay and surface treatment over the next five years in order to maintain and restore pavement condition. Survey and geotechnical work is required to identify the condition of the Runway paving and the rehabilitation will likely include isolated repairs, milling, overlay, grooving and marking. Funding participation is anticipated from the Federal Aviation Administration (FAA) and the Virginia Department of Aviation (DOAV) for this project.

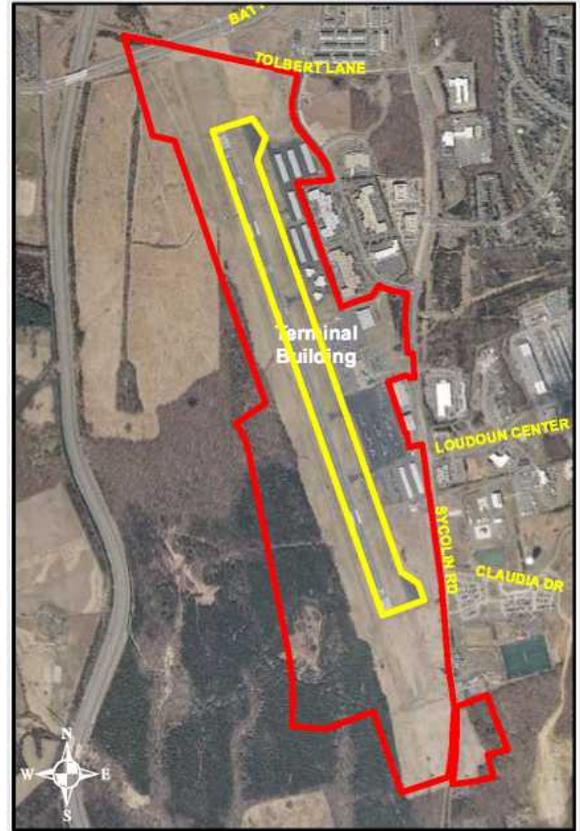
OPERATING IMPACT: None.

GOAL ADDRESSED: 2012 Town Plan

- Transportation Objective 6 calls for the promotion and protection of the Leesburg Executive Airport as a primary reliever airport within the regional air transportation system.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2024	Fall 2026



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$218,600	\$—	\$—	\$27,000	\$31,600	\$5,000	\$155,000	\$—	\$218,600	\$—
State- DOAV	608,400	—	—	—	48,400	—	560,000	—	608,400	—
Federal- FAA	6,840,000	—	—	—	540,000	—	6,300,000	—	6,840,000	—
Total Sources	\$7,667,000	\$—	\$—	\$27,000	\$620,000	\$5,000	\$7,015,000	\$—	\$7,667,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$42,000	\$—	\$—	\$7,000	\$15,000	\$5,000	\$15,000	\$—	\$42,000	\$—
Design/ Engineering	625,000	—	—	20,000	605,000	—	—	—	625,000	—
Construction	7,000,000	—	—	—	—	—	7,000,000	—	7,000,000	—
Total Uses	\$7,667,000	\$—	\$—	\$27,000	\$620,000	\$5,000	\$7,015,000	\$—	\$7,667,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Airport

TITLE: Airport West Side Land Development (25001)

STATUS: Future

LOCATION: Leesburg Executive Airport

PROGRAM DESCRIPTION: Based on the forecasts of aviation demand, the Airport will need to begin developing the west side of the airport to accommodate the forecast growth in based aircraft. Proposed airport development west of the runway will require vehicular access from Compass Creek Parkway, which is currently under construction and immediately west of airport property. Entrance along this roadway will accommodate the airport vehicular traffic and allow direct access to the Dulles Greenway.

The estimated completion schedule for this project is contingent on receiving the funding the Town plans to request from the Federal Aviation Administration and the Virginia Department of Aviation. This project is in accordance with the 2019 Airport Master Plan. A study is scheduled to be performed in Fiscal Year 22 and the schedule and budget will be updated at that time to reflect the new information.

OPERATING IMPACT: Increased airport operating costs for road maintenance.

GOAL ADDRESSED: 2012 Town Plan

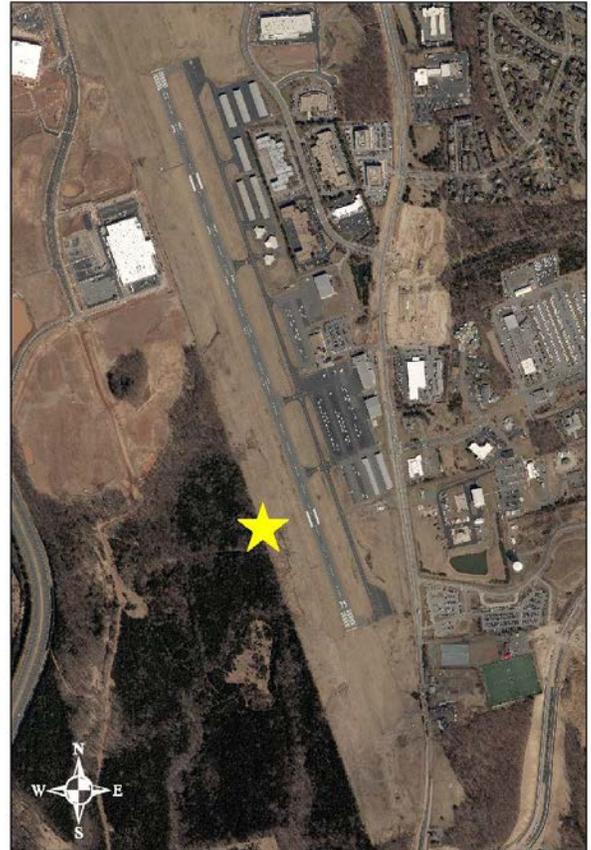
- Transportation Objective 6 calls for the promotion and protection of the Leesburg Executive Airport as a primary reliever airport within the regional air transportation system.

2019 Airport Master Plan

- Identifies the need for development of the west side of the airport.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Fall 2025	Winter 2031



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$412,000	\$—	\$—	\$—	\$—	\$6,000	\$34,500	\$21,500	\$62,000	\$350,000
State- DOAV	1,544,000	-	-	-	-	-	18,000	6,000	24,000	1,520,000
Federal- FAA	6,350,000	-	-	-	-	-	202,500	67,500	270,000	6,080,000
Total Sources	\$8,306,000	\$—	\$—	\$—	\$—	\$6,000	\$255,000	\$95,000	\$356,000	\$7,950,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$251,000	\$—	\$—	\$—	\$—	\$1,000	\$30,000	\$20,000	\$51,000	\$200,000
Design/ Engineering	455,000	—	—	—	—	5,000	225,000	75,000	305,000	150,000
Construction	7,600,000	—	—	—	—	—	—	—	—	7,600,000
Total Uses	\$8,306,000	\$—	\$—	\$—	\$—	\$6,000	\$255,000	\$95,000	\$356,000	\$7,950,000

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Utilities

As a result of the Fiscal Year 2020-2028 Utility Rate Study, a comprehensive needs assessment was conducted for the Town's utilities system. The FY 2022-2027 Capital Improvements Program reflects the identified capital needs, and investments in the Town's water and sewer system estimated at \$18,371,000 for Fiscal Year 2022. Capital projects for Fiscal Year 2022 include: Enhanced Multi-Barrier Treatment Technology; Sanitary Sewer Pump Station Upgrades; Town-wide Sanitary Sewer and Waterline Improvements and Repairs; a Water Booster Pump Station at Loudoun Water Interconnect; the re-coating and rehabilitation of storage tanks at the Water Pollution Control Facility, and the preliminary design for expansions of the Water Plant and the Water Pollution Control Facility.

Sources of Funding

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Funds Required
Utilities Bonds	\$112,126,940	\$2,590,840	\$8,946,700	\$6,726,700	\$23,067,700	\$38,741,100	\$70,795,000
Pay-GO Utilities	106,239,760	2,120,560	9,424,300	7,751,600	29,838,300	47,014,200	57,105,000
Total Utilities Fund	\$218,366,700	\$4,711,400	\$18,371,000	\$14,478,300	\$52,906,000	\$85,755,300	\$127,900,000
Total Sources	\$218,366,700	\$4,711,400	\$18,371,000	\$14,478,300	\$52,906,000	\$85,755,300	\$127,900,000

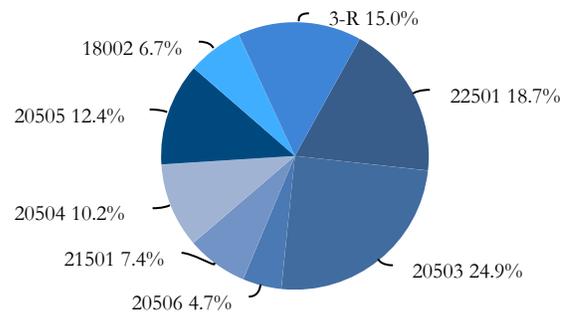
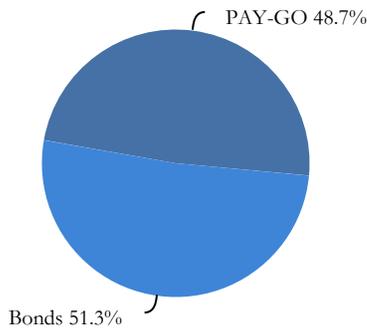
Uses by Project

Projects	Total Project Cost	Expended through 6/30/21	2022	2023	2024-2027	Total for 6 Yr CIP	Future Project Cost
Automated Water Meter Reading and Meter Technology System Upgrade (25501)	\$6,000,000	\$—	\$—	\$—	\$6,000,000	\$6,000,000	\$—
Enhanced Multi-Barrier Treatment Technology (22501)	2,880,800	252,200	2,628,600	—	—	2,628,600	—
Excavated Materials Holding and Drying Facility (23501)	758,000	—	—	758,000	—	758,000	—
Lower Sycolin Sanitary Sewer Pump Station Third Pump (22502)	400,000	—	400,000	—	—	400,000	—
Sanitary Sewer Pump Station Upgrades (20503)	7,818,900	953,000	3,500,000	778,100	2,587,800	6,865,900	—
Town-wide Sanitary Sewer Improvements and Repairs (20506)	4,353,700	—	658,900	687,000	3,007,800	4,353,700	—
Town-wide Waterline Improvements and Repairs (20505)	7,383,800	—	1,744,600	962,200	4,677,000	7,383,800	—
Utility System Storage Facility (21501)	2,048,700	507,500	1,041,200	500,000	—	1,541,200	—
Water Booster Pump Station at Loudoun Water Interconnect (20504)	1,869,900	429,300	1,440,600	—	—	1,440,600	—
Water Plant Expansion (22508)	62,000,000	—	2,000,000	—	—	2,000,000	60,000,000
Water Pollution Control Facility Backup Generator (24501)	1,139,300	—	—	—	1,139,300	1,139,300	—
Water Pollution Control Facility Chemical Building Addition (24502)	4,258,000	—	—	—	4,258,000	4,258,000	—
Water Pollution Control Facility Debris Screen System (23502)	4,184,600	—	150,000	1,913,500	2,121,100	4,184,600	—
Water Pollution Control Facility Digester Dome Replacements (25502)	3,158,700	—	—	—	3,158,700	3,158,700	—
Water Pollution Control Facility Dryer Drum Replacement (25503)	1,014,700	—	—	—	1,014,700	1,014,700	—
Water Pollution Control Facility Expansion (22509)	69,100,000	—	1,200,000	—	—	1,200,000	67,900,000
Water Pollution Control Facility Odor Control And Biofilter Media Replacement (25504)	2,251,500	—	—	—	2,251,500	2,251,500	—
Water Pollution Control Facility Storage Tanks - Re-coating & Rehabilitation (18002)	8,663,100	2,569,400	940,700	978,300	4,174,700	6,093,700	—
Water Pollution Control Facility Tuscarora Landscaper's Choice (ILC) Solids Silo (23503)	653,000	—	—	653,000	—	653,000	—

Uses by Project

Projects	Total Project Cost	Expended through 6/30/21				Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024-2027		
Western Pressure Zone Pump Station Backup Generator (27503)	\$600,000	\$—	\$—	\$—	\$600,000	\$600,000	\$—
Water Storage Tank Recoating - Carr Tank I (27501)	1,355,000	—	—	—	1,355,000	1,355,000	—
Water Storage Tank Recoating - Carr Tank II (25505)	1,328,300	—	—	—	1,328,300	1,328,300	—
Water Storage Tank Recoating - Sycolin Road Tank (27502)	1,355,000	—	—	—	1,355,000	1,355,000	—
Water Supply and Wastewater SCADA Systems Replacement (22504)	3,192,500	—	562,300	1,314,100	1,316,100	3,192,500	—
Water Supply Emergency II and III Interconnect (23504)	3,189,400	—	—	1,593,300	1,596,100	3,189,400	—
Water Treatment Plant Sludge Disposal Improvements (23505)	1,638,200	—	—	1,638,200	—	1,638,200	—
Utilities Repair, Replacement and Rehabilitation (3-R)	15,771,600	—	2,104,100	2,702,600	10,964,900	15,771,600	—
Total Uses	\$218,366,700	\$4,711,400	\$18,371,000	\$14,478,300	\$52,906,000	\$85,755,300	\$127,900,000

Sources by Type (2022)	Uses by Project (2022)
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Utilities

Capital Improvements Program

TITLE: Automated Water Meter Reading and Meter Technology System Upgrade (25501)

STATUS: Future

LOCATION: Town-wide

PROGRAM DESCRIPTION: A multi-year phased replacement of water meters and upgrade of the automated meter reading system allows continually increased accuracy, efficiency, and productivity in metering, billing processes and customer service. Phased implementation ensures quality control and replacement of batteries and transmitter units at appropriately scheduled intervals.

OPERATING IMPACT: Technology advancements that ensure metering and billing efficiency.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria. This project promotes long term financial stability with accurate and timely quarterly utility bills.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2024	Summer 2027

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Funds Required
Utilities Bonds	\$3,300,000	-	-	-	\$1,650,000	\$1,650,000	-	-	\$3,300,000	-
Pay-GO Utilities	2,700,000	-	-	-	1,350,000	1,350,000	-	-	2,700,000	-
Total Sources	\$6,000,000	\$—	\$—	\$—	\$3,000,000	\$3,000,000	\$—	\$—	\$6,000,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Project Cost
Project Management	\$100,000	-	-	-	\$50,000	\$50,000	-	-	\$100,000	-
Design/Engineering	150,000	-	-	-	150,000	-	-	-	150,000	-
Construction	5,750,000	-	-	-	2,800,000	2,950,000	-	-	5,750,000	-
Total Uses	\$6,000,000	\$—	\$—	\$—	\$3,000,000	\$3,000,000	\$—	\$—	\$6,000,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	-	- \$	30,000 \$	30,000
Total Impact	-	-	-	- \$	30,000 \$	30,000

Capital Improvements Program

Utilities

TITLE: Enhanced Multi-Barrier Treatment Technology (22501)

STATUS: Ongoing

LOCATION: Water Treatment Plant (WTP)

PROGRAM DESCRIPTION: The Town has completed monitoring of the Potomac River for compliance with Round 2 of the Environmental Protection Agency (EPA) Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR Round 2). The EPA created this rule to increase protection against microbial pathogens such as Cryptosporidium and Giardia in public water systems that use surface water sources. Recent monitoring of the Potomac River detected Cryptosporidium oocysts. The Town’s existing water treatment process removes these pathogens. This project addresses regulatory requirements that are associated with the presence of Cryptosporidium and adds an additional process to remove pathogens through a multi-barrier approach. This project will be completed concurrently with Project 21502 - Water Plant Filter #1 and #2 Underdrain Replacements

OPERATING IMPACT: Increase operating and maintenance of the water treatment system.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria. Development of additional treatment technology at the WTP will ensure compliance of EPA rules.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2020	Summer 2023



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$1,584,440	\$138,740	\$1,445,700	-	-	-	-	-	\$1,445,700	-
Pay-GO Utilities	1,296,360	113,460	1,182,900	-	-	-	-	-	1,182,900	-
Total Sources	\$2,880,800	\$252,200	\$2,628,600	\$—	\$—	\$—	\$—	\$—	\$2,628,600	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$135,800	\$107,200	\$28,600	-	-	-	-	-	\$28,600	-
Design/Engineering	\$345,000	\$145,000	\$200,000	-	-	-	-	-	\$200,000	-
Construction	\$2,400,000	-	\$2,400,000	-	-	-	-	-	\$2,400,000	-
Total Uses	\$2,880,800	\$252,200	\$2,628,600	\$—	\$—	\$—	\$—	\$—	\$2,628,600	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000
Total Impact	-	\$31,000	\$31,000	\$31,000	\$31,000	\$31,000

Utilities

Capital Improvements Program

TITLE: Excavated Materials Holding and Drying Facility (23501)

STATUS: Future

LOCATION: Utilities Maintenance Facility

PROGRAM DESCRIPTION: This project includes design and construction of a materials disposal facility capable of storing 5,000 gallons of slurry from Town's vacuum excavations is required to meet Department of Environmental Quality's (DEQ) storm permitting requirements.

OPERATING IMPACT: Additional costs to maintain the drying facility.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply and wastewater treatment and collection to meet state and federal criteria. This project will allow the Town to meet Virginia Department of Environmental Quality storm water regulations.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2023	Winter 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$416,900	-	-	\$416,900	-	-	-	-	\$416,900	-
Pay-GO Utilities	341,100	-	-	341,100	-	-	-	-	341,100	-
Total Sources	\$758,000	\$—	\$—	\$758,000	\$—	\$—	\$—	\$—	\$758,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$8,000	-	-	\$8,000	-	-	-	-	\$8,000	-
Design/Engineering	100,000	-	-	100,000	-	-	-	-	100,000	-
Construction	650,000	-	-	650,000	-	-	-	-	650,000	-
Total Uses	\$758,000	\$—	\$—	\$758,000	\$—	\$—	\$—	\$—	\$758,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	\$4,000	\$4,000	\$4,000	\$4,000
Total Impact	-	-	\$4,000	\$4,000	\$4,000	\$4,000

Capital Improvements Program

Utilities

TITLE: Lower Sycolin Sanitary Sewer Pump Station Third Pump (22502)

STATUS: Future

LOCATION: 42399 Claudia Drive

PROGRAM DESCRIPTION: Installation of a third submersible pump at the Lower Sycolin pump station for redundancy and to meet expected flows based on engineering projections for future development.

OPERATING IMPACT: Additional costs to maintain the third pump.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater collection to meet state and federal criteria. This project will ensure permit compliance and efficient pump station operations as sanitary sewer demands and service are population increase.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2021	Summer 2022



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$220,000	-	\$220,000	-	-	-	-	-	\$220,000	-
PAY-GO										
Utilities	180,000	-	180,000	-	-	-	-	-	180,000	-
Total Sources	\$400,000	\$-	\$400,000	\$-	\$-	\$-	\$-	\$-	\$400,000	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$15,000	-	\$15,000	-	-	-	-	-	\$15,000	-
Design/Engineering	25,000	-	25,000	-	-	-	-	-	25,000	-
Construction	360,000	-	360,000	-	-	-	-	-	360,000	-
Total Uses	\$400,000	\$-	\$400,000	\$-	\$-	\$-	\$-	\$-	\$400,000	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
Total Impact	-	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000

Utilities

Capital Improvements Program

TITLE: Sanitary Sewer Pump Station Upgrades (20503)

STATUS: Ongoing

LOCATION: Town-wide

PROGRAM DESCRIPTION: This multi year project will evaluate, design, install and construct identified upgrades and refurbishments at various sanitary sewer pump stations. Most pump stations are approaching 20 years of age and pumps and controls will be exceeding the useful life. Submersible pumps will be installed where appropriate. Pump stations to be improved include Cattail, Goose Creek, Ida Lee, Old Waterford, Potomac, Potomac Crossing and Tuscarora.

OPERATING IMPACT: Reduced maintenance costs are anticipated with improvements.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater collection to meet state and federal criteria. This project will ensure permit compliance and efficient sanitary pump station operations.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2020	Ongoing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$4,300,395	\$524,195	\$1,925,000	\$428,000	\$428,300	\$428,700	\$85,000	\$481,200	\$3,776,200	-
PAY-GO Utilities	3,518,505	428,805	1,575,000	350,100	350,500	350,800	69,500	393,800	3,089,700	-
Total Sources	\$7,818,900	\$953,000	\$3,500,000	\$778,100	\$778,800	\$779,500	\$154,500	\$875,000	\$6,865,900	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$180,500	\$103,000	\$35,000	\$10,000	\$10,000	\$10,000	\$1,500	\$11,000	\$77,500	-
Design/Engineering	580,500	72,500	200,000	72,500	72,500	73,000	10,000	80,000	508,000	-
Construction	7,057,900	777,500	3,265,000	695,600	696,300	696,500	143,000	784,000	6,280,400	-
Total Uses	\$7,818,900	\$953,000	\$3,500,000	\$778,100	\$778,800	\$779,500	\$154,500	\$875,000	\$6,865,900	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Utilities

TITLE: Town-wide Sanitary Sewer Improvements and Repairs (20506)

STATUS: Ongoing

LOCATION: Town-wide

PROGRAM DESCRIPTION: This project undertakes on-going maintenance and replacement of old deteriorated sanitary sewers, mitigates infiltration and inflow (I&I) and improves sanitary sewer associated with other capital projects. The table on the next page provides a listing of the projects, design and/or construction costs and proposed scheduling. Future funding required reflects the anticipated continuation of the project beyond the FY 2020-2025 Capital Improvements Program.

OPERATING IMPACT: Maintenance costs should be reduced due to the improved structural integrity of the sewer lines.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater collection and treatment to meet state and federal criteria. This project includes replacement or relining of aging sanitary sewer mains and rehabilitation of sanitary sewer manholes.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Ongoing	Ongoing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$2,394,600	-	\$362,400	\$377,900	\$383,300	\$566,000	\$345,400	\$359,600	\$2,394,600	-
PAY-GO Utilities	1,959,100	-	296,500	309,100	313,600	463,000	282,600	294,300	1,959,100	-
Total Sources	\$4,353,700	\$—	\$658,900	\$687,000	\$696,900	\$1,029,000	\$628,000	\$653,900	\$4,353,700	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$163,700	-	\$26,400	\$27,000	\$26,400	\$27,000	\$28,000	\$28,900	\$163,700	-
Design/Engineering	38,000	-	-	-	38,000	-	-	-	38,000	-
Construction	4,152,000	-	632,500	660,000	632,500	1,002,000	600,000	625,000	4,152,000	-
Total Uses	\$4,353,700	\$—	\$658,900	\$687,000	\$696,900	\$1,029,000	\$628,000	\$653,900	\$4,353,700	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Utilities**Capital Improvements Program**

Description	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
Sewer						
Project Management	\$26,400	\$27,000	\$26,400	\$27,000	\$28,000	\$28,900
Pipe Lateral Rehabilitation	382,500	410,000	—	—	—	—
Pipe Rehabilitation	250,000	—	382,500	410,000	350,000	375,000
Manhole Rehabilitation Lining	—	250,000	250,000	250,000	250,000	250,000
Monroe St SE and Madison Ct SE Sewer Replacement			38,000	342,000		
Total Cost	\$658,900	\$687,000	\$696,900	\$1,029,000	\$628,000	\$653,900

Capital Improvements Program

Utilities

TITLE: Town-wide Waterline Improvements and Repairs (20505)

STATUS: Ongoing

LOCATION: Town-wide

PROGRAM DESCRIPTION: This project undertakes on-going replacement and upgrades to old deteriorated waterlines associated with waterline capacity improvements and other capital projects. The table on the next page provides a listing of the projects, design and/or construction costs and proposed scheduling.

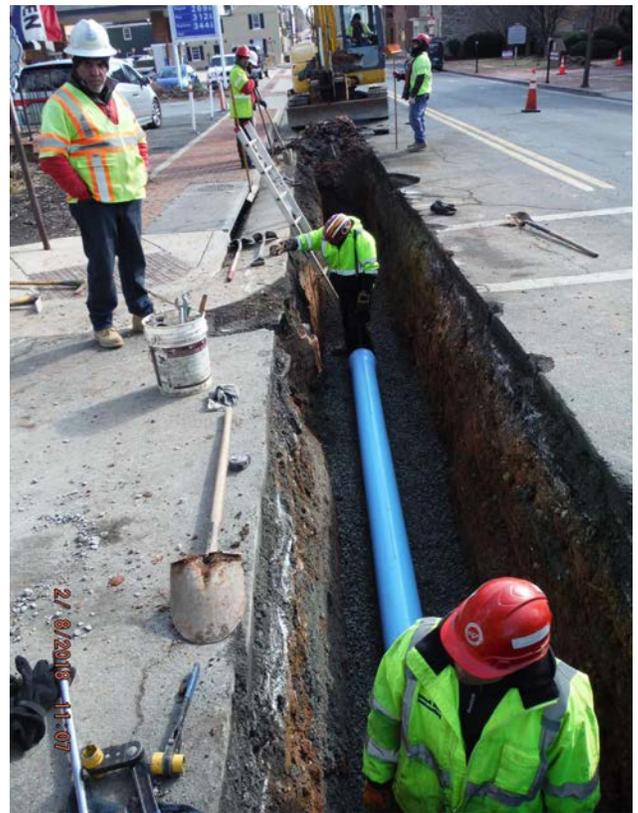
OPERATING IMPACT: Maintenance should be reduced due to the improved structural integrity of the waterlines. New waterline loops improve water flow rates and add to the reliability of the water distribution systems.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Ongoing	Ongoing



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$4,061,000	-	\$959,500	\$529,200	\$564,500	\$552,600	\$514,500	\$940,700	\$4,061,000	-
PAY-GO Utilities	3,322,800	-	785,100	433,000	461,900	452,100	421,000	769,700	3,322,800	-
Total Sources	\$7,383,800	\$—	\$1,744,600	\$962,200	\$1,026,400	\$1,004,700	\$935,500	\$1,710,400	\$7,383,800	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$261,600	-	\$86,600	\$25,000	\$25,000	\$25,000	\$25,000	\$75,000	\$261,600	-
Design/Engineering	573,300	-	173,300	75,000	75,000	75,000	75,000	100,000	573,300	-
Construction	6,548,900	-	1,484,700	862,200	926,400	904,700	835,500	1,535,400	6,548,900	-
Total Uses	\$7,383,800	\$—	\$1,744,600	\$962,200	\$1,026,400	\$1,004,700	\$935,500	\$1,710,400	\$7,383,800	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Utilities

Capital Improvements Program

Description	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027
WATER						
Project Management	\$86,600	\$89,200	\$91,900	\$94,700	\$97,500	\$100,400
The Fields at Leesburg (Loudoun House) Service Lines Replacement	250,000	—	—	—	—	—
Hancock Pl NE Service Lines Replacement	1,000,000	—	—	—	—	—
Liberty St SW from Royal to Market	408,000	—	—	—	—	—
Edwards Ferry Rd NE from Mayfair Dr NE to Heritage Wy NE	—	750,000	—	—	—	—
Royal St SW from Church St SE to Liberty St SW	—	50,000	50,000	600,000	—	—
South St SE at Harrison St SE and Church St SE	—	73,000	659,500	—	—	—
Church St SE from E. Market St. to Loudoun St. SE	—	—	225,000	—	—	—
N King from Market to North Street	—	—	—	60,000	60,000	1,080,000
Western Zone valves, vault and piping	—	—	—	250,000	—	—
S King St from South St SW to Loudoun St SE	—	—	—	—	778,000	—
Wage Drive	—	—	—	—	—	230,000
East Market from Y to Harrison St SE	—	—	—	—	—	300,000
Total Cost	\$1,744,600	\$962,200	\$1,026,400	\$1,004,700	\$935,500	\$1,710,400

Capital Improvements Program

Utilities

TITLE: Utility System Storage Facility (21501)

STATUS: Ongoing

LOCATION: Utilities Maintenance Facility

PROGRAM DESCRIPTION: This project includes design and construction of an equipment storage facility to protect and extend the useful life of materials and equipment currently stored outdoors exposed to extreme weather conditions.

OPERATING IMPACT: Additional costs to operate and maintain the building.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply and wastewater treatment and collection to meet state and federal criteria. This project will improve operating efficiency by protecting and maintaining equipment from the elements.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2020	Summer 2022



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$1,126,800	\$279,200	\$572,600	\$275,000	-	-	-	-	\$847,600	-
PAY-GO Utilities	921,900	228,300	468,600	225,000	-	-	-	-	693,600	-
Total Sources	\$2,048,700	\$507,500	\$1,041,200	\$500,000	\$—	\$—	\$—	\$—	\$1,541,200	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$31,500	\$7,500	\$12,000	\$12,000	-	-	-	-	\$24,000	-
Design/Engineering	200,000	150,000	50,000	-	-	-	-	-	50,000	-
Construction	1,817,200	350,000	979,200	488,000	-	-	-	-	1,467,200	-
Total Uses	\$2,048,700	\$507,500	\$1,041,200	\$500,000	\$—	\$—	\$—	\$—	\$1,541,200	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Total Impact	\$ —	\$ —	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000

Utilities

Capital Improvements Program

TITLE: Water Booster Pump Station at Loudoun Water Interconnect (20504)

STATUS: Ongoing

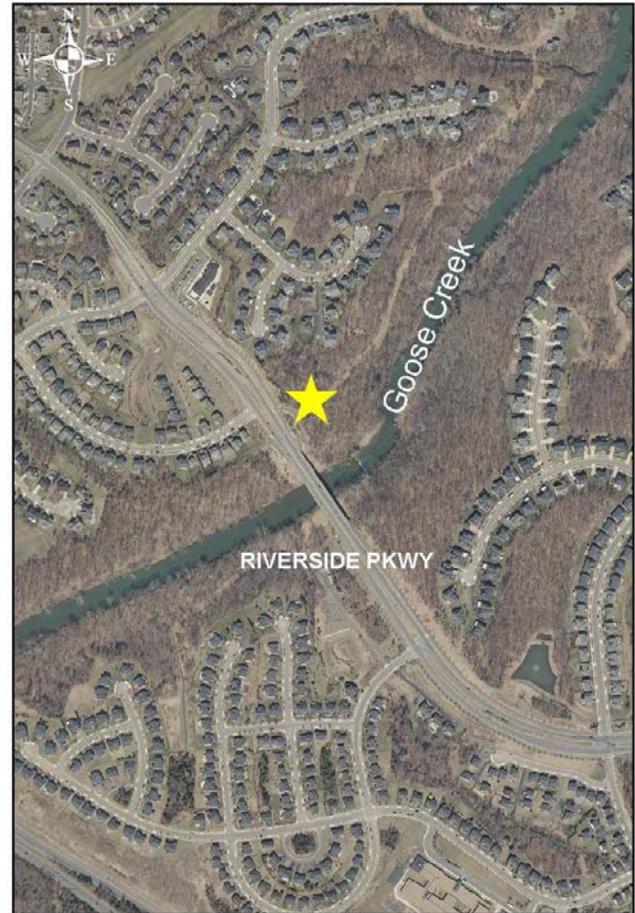
LOCATION: Near Loudoun Water at Riverside Parkway bridge

PROGRAM DESCRIPTION: This project ensures adequate water is available to town customers during water emergencies through the existing interconnection with Loudoun Water at Riverside Parkway. The current interconnect is capable of providing approximately one half of the Town's average daily demand. The proposed improvements will provide adequate pressure to meet the Town's average daily water demand.

OPERATING IMPACT: The booster station will allow an increase in daily water flow between the Town's water system and Loudoun Water during water supply emergencies and Water Treatment Plant maintenance.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria. This project will reduce the risk of interrupted water supply including fire fighting to Town customers during water emergencies and Water Treatment Plant maintenance activities.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2020	Summer 2022

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$1,028,000	\$235,700	\$792,300	-	-	-	-	-	\$792,300	-
PAY-GO Utilities	841,900	193,600	648,300	-	-	-	-	-	648,300	-
Total Sources	\$1,869,900	\$429,300	\$1,440,600	\$—	\$—	\$—	\$—	\$—	\$1,440,600	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$89,300	\$79,300	\$10,000	-	-	-	-	-	\$10,000	-
Design/Engineering	350,000	350,000	-	-	-	-	-	-	-	-
Construction	1,430,600	-	1,430,600	-	-	-	-	-	1,430,600	-
Total Uses	\$1,869,900	\$429,300	\$1,440,600	\$—	\$—	\$—	\$—	\$—	\$1,440,600	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	\$100	\$100	\$100	\$100	\$100
Total Impact	\$—	\$100	\$100	\$100	\$100	\$100

Capital Improvements Program

Utilities

TITLE: Water Plant Expansion (22508)

STATUS: New

LOCATION: Water Treatment Plant

PROGRAM DESCRIPTION: The potential development of high volume customers may drive the need for water plant treatment capacity increase from 12.5 MGD to 20MGD to ensure adequate water is available for all town customers. Initial phase is preliminary engineering report on option and delivery of water service may result in the expansion of the water treatment plant and/or whole sale purchase of water supply from Loudoun Water including emergency supply interconnects. Additional water tank storage, intake structures may be required. Extensive facility expansion will require improvements such as additional filters, basins, clearwell expansion



OPERATING IMPACT: Additional personnel and operating resources will be required based on the size and scope of the resulting project.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply and wastewater collection and treatment to meet state and federal criteria. This project improves the resilience of the water supply network.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2021	TBD

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Funds Required
Utilities Bonds	\$34,550,000	-	\$1,100,000	-	-	-	-	-	\$1,100,000	\$33,450,000
PAY-GO Utilities	27,450,000	-	900,000	-	-	-	-	-	900,000	26,550,000
Total Sources	\$62,000,000	\$-	\$2,000,000	\$-	\$-	\$-	\$-	\$-	\$2,000,000	\$60,000,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Project Cost
Project Management	\$120,000	-	\$20,000	-	-	-	-	-	\$20,000	\$100,000
Design/Engineering	8,980,000	-	1,980,000	-	-	-	-	-	1,980,000	7,000,000
Construction	52,900,000	-	-	-	-	-	-	-	-	52,900,000
Total Uses	\$62,000,000	\$-	\$2,000,000	\$-	\$-	\$-	\$-	\$-	\$2,000,000	\$60,000,000

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	\$-	\$-	\$-	\$-	\$-	\$-
Total Impact	\$-	\$-	\$-	\$-	\$-	\$-

Utilities

Capital Improvements Program

TITLE: Water Pollution Control Facility Backup Generator (24501)

STATUS: Future

LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: This project includes the Installation of a backup generator at the Water Pollution Control Facility for system redundancy and reliability to allow for continued operations during emergencies.

OPERATING IMPACT: After warranty period, increased maintenance and operating costs of the generator.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater collection and treatment to meet state and federal criteria. This project will provide reliable electric power to enable continued reliable operations during emergencies.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2023	Summer 2024

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$626,600	-	-	-	\$626,600	-	-	-	\$626,600	-
PAY-GO Utilities	512,700	-	-	-	512,700	-	-	-	512,700	-
Total Sources	\$1,139,300	\$—	\$—	\$—	\$1,139,300	\$—	\$—	\$—	\$1,139,300	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$14,300	-	-	-	\$14,300	-	-	-	\$14,300	-
Design/Engineering	125,000	-	-	-	125,000	-	-	-	125,000	-
Construction	1,000,000	-	-	-	1,000,000	-	-	-	1,000,000	-
Total Uses	\$1,139,300	\$—	\$—	\$—	\$1,139,300	\$—	\$—	\$—	\$1,139,300	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	-	\$30,000	\$30,000	\$30,000
Total Impact	\$—	\$—	\$—	\$30,000	\$30,000	\$30,000

Capital Improvements Program

Utilities

TITLE: Water Pollution Control Facility Chemical Building Addition (24502)

STATUS: Future

LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: Construction of a new chemical building at the Water Pollution Control Facility to allow for efficient distribution of sodium hydroxide and ferric chloride. The current chemical lines are far from the application point. The new building location will eliminate the current operational and maintenance issues with chemical lines freezing or breaking.

OPERATING IMPACT: Improvement to process and reduced maintenance.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater collection and treatment to meet state and federal criteria. This project will improve conveyance of chemicals throughout the Water Pollution Control Facility for efficient operations and increased reliability in meeting federal and state regulations.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2024	Spring 2026



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$2,341,900	-	-	-	-	\$1,202,900	\$1,139,000	-	\$2,341,900	-
PAY-GO Utilities	1,916,100	-	-	-	-	984,100	932,000	-	1,916,100	-
Total Sources	\$4,258,000	\$—	\$—	\$—	\$—	\$2,187,000	\$2,071,000	\$—	\$4,258,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$22,000	-	-	-	-	\$11,000	\$11,000	-	\$22,000	-
Design/Engineering	600,000	-	-	-	-	600,000	-	-	600,000	-
Construction	3,636,000	-	-	-	-	1,576,000	2,060,000	-	3,636,000	-
Total Uses	\$4,258,000	\$—	\$—	\$—	\$—	\$2,187,000	\$2,071,000	\$—	\$4,258,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	-	-	-	\$5,000
Total Impact	\$—	\$—	\$—	\$—	\$—	\$5,000

Utilities

Capital Improvements Program

TITLE: Water Pollution Control Facility Debris Screen System (23502)

STATUS: Future

LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: The existing bar screens at the Water Pollution Control Facility do not efficiently or effectively remove debris. This project will evaluate, design and construct a fine debris screen system to remove debris that negatively impacts treatment process and equipment.

OPERATING IMPACT: Improvement to process.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater treatment to meet state and federal criteria. This project will protect equipment and improve operational efficiencies by upgrading units and adding a fine screen at the beginning of the treatment process.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2022	Summer 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$2,551,500	-	\$82,500	\$1,302,400	\$1,166,600	-	-	-	\$2,551,500	-
PAY-GO Utilities	1,633,100	-	67,500	611,100	954,500	-	-	-	1,633,100	-
Total Sources	\$4,184,600	\$—	\$150,000	\$1,913,500	\$2,121,100	\$—	\$—	\$—	\$4,184,600	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$23,500	-	-	\$13,500	\$10,000	-	-	-	\$23,500	-
Design/Engineering	400,000	-	150,000	250,000	-	-	-	-	400,000	-
Construction	3,761,100	-	-	1,650,000	2,111,100	-	-	-	3,761,100	-
Total Uses	\$4,184,600	\$—	\$150,000	\$1,913,500	\$2,121,100	\$—	\$—	\$—	\$4,184,600	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	-	\$400	\$400	\$400
Total Impact	\$—	\$—	\$—	\$400	\$400	\$400

Capital Improvements Program

Utilities

TITLE: Water Pollution Control Facility Digester Dome Replacements (25502)

STATUS: Future

LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: This project includes the design and construction of new domes on digesters A & B at the Water Pollution Control Facility. The existing digesters and domes were installed in the 1970's, nearly 50 years ago. The remaining two domes for digesters C & D were installed in 1987 and 1994 respectively; and will be replaced in 2026. Regulatory requirements and advancements in technology may require adjustments to the scope and cost estimate of the project.

OPERATING IMPACT: Operational efficiency and odor improvements.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater treatment to meet state and federal criteria.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2024	Spring 2026



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$1,737,300	-	-	-	-	\$912,300	\$825,000	-	\$1,737,300	-
PAY-GO Utilities	1,421,400	-	-	-	-	746,400	675,000	-	1,421,400	-
Total Sources	\$3,158,700	\$-	\$-	\$-	\$-	\$1,658,700	\$1,500,000	\$-	\$3,158,700	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$20,000	-	-	-	-	\$10,000	\$10,000	-	\$20,000	-
Design/Engineering	300,000	-	-	-	-	300,000	-	-	300,000	-
Construction	2,838,700	-	-	-	-	1,348,700	1,490,000	-	2,838,700	-
Total Uses	\$3,158,700	\$-	\$-	\$-	\$-	\$1,658,700	\$1,500,000	\$-	\$3,158,700	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Utilities

Capital Improvements Program

TITLE: Water Pollution Control Facility Dryer Drum Replacement (25503)

STATUS: Future

LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: Replacement of a 25 year old dryer drum and its associated handling equipment to ensure continued treatment operations and gain efficiency in the biosolids drying process. Replacement of this equipment will ensure the Town's ongoing compliance with regulatory permitting.

OPERATING IMPACT: Operational efficiency, safety, and reliability improvements.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater treatment to meet state and federal criteria.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2024	Summer 2026



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Funds Required
Utilities Bonds	\$558,000	-	-	-	-	-	\$558,000	-	\$558,000	-
PAY-GO Utilities	456,700	-	-	-	-	-	456,700	-	456,700	-
Total Sources	\$1,014,700	\$—	\$—	\$—	\$—	\$—	\$1,014,700	\$—	\$1,014,700	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21	2022	2023	2024	2025	2026	2027	Total for 6 Yr CIP	Future Project Cost
Project Management	\$14,700	-	-	-	-	-	\$14,700	-	\$14,700	-
Design/Engineering	200,000	-	-	-	-	-	200,000	-	200,000	-
Construction	800,000	-	-	-	-	-	800,000	-	800,000	-
Total Uses	\$1,014,700	\$—	\$—	\$—	\$—	\$—	\$1,014,700	\$—	\$1,014,700	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Utilities

TITLE: Water Pollution Control Facility Expansion (22509)

STATUS: Future

LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: The potential development of high volume customers may drive the need for a sanitary sewer treatment plant expansion and upgrade from 7.5 million gallons daily (MGD) to 10MGD and Enhanced Nutrient Removal (ENR) to ensure adequate sewer treatment is available for all town customers. Initial phase is preliminary engineering report to evaluate delivery of service needs related to an expansion and upgrade for Phase 3 of Virginia's Watershed Improvement Plan including TMDL requirements (WIP3). Expansion and upgrade estimates do not include odor improvements, effluent pipeline modifications, pump station capacity increases, force main improvements, or gravity collection system upsizing.

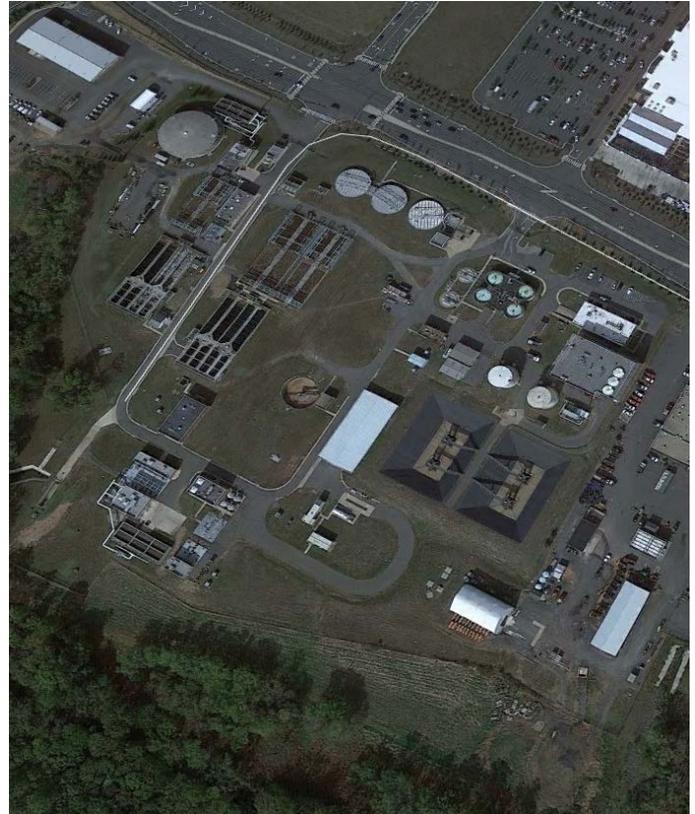
OPERATING IMPACT: Additional personnel and operating resources will be required based on the size and scope of the resulting project.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater treatment to meet state and federal criteria.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2021	TBD



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$38,005,000		\$660,000	-	-	-	-	-	\$660,000	\$37,345,000
PAY-GO Utilities	31,095,000		540,000	-	-	-	-	-	540,000	30,555,000
Total Sources	\$69,100,000	\$—	\$1,200,000	\$—	\$—	\$—	\$—	\$—	\$1,200,000	\$67,900,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$120,000		\$20,000	-	-	-	-	-	\$20,000	\$100,000
Design/Engineering	8,980,000		1,180,000	-	-	-	-	-	1,180,000	7,800,000
Construction	60,000,000		-	-	-	-	-	-	-	60,000,000
Total Uses	\$69,100,000	\$—	\$1,200,000	\$—	\$—	\$—	\$—	\$—	\$1,200,000	\$67,900,000

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Utilities

Capital Improvements Program

TITLE: Water Pollution Control Facility Odor Control And Biofilter Media Replacement (25504)

STATUS: Future

LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: With development occurring near the Water Pollution Control Facility (WPCF), this project will implement odor control measures recommended in the engineering odor control study report. Piping and underdrain improvements, carbon filter media replacement and protective covers will be constructed to control odors.

OPERATING IMPACT: Operational efficiency and odor improvements.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater treatment to meet state and federal criteria.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2023	Spring 2025

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$1,238,300	-	-	-	\$619,000	\$619,300	-	-	\$1,238,300	-
PAY-GO Utilities	1,013,200	-	-	-	506,500	506,700	-	-	1,013,200	-
Total Sources	\$2,251,500	\$-	\$-	\$-	\$1,125,500	\$1,126,000	\$-	\$-	\$2,251,500	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$23,000	-	-	-	\$12,000	\$11,000	-	-	\$23,000	-
Design/Engineering	225,000	-	-	-	225,000	-	-	-	225,000	-
Construction	2,003,500	-	-	-	888,500	1,115,000	-	-	2,003,500	-
Total Uses	\$2,251,500	\$-	\$-	\$-	\$1,125,500	\$1,126,000	\$-	\$-	\$2,251,500	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	-	-	\$2,500	\$2,500
Total Impact	\$-	\$-	\$-	\$-	\$ 2,500	\$ 2,500

Capital Improvements Program

Utilities

TITLE: Water Pollution Control Facility Storage Tanks - Re-coating & Rehabilitation (18002)

STATUS: Ongoing

LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: Rehabilitation projects will be based on engineering inspections of water pollution control treatment and process storage tanks. Potential facilities and scope of work include re-coating and rehabilitating six reactors, three primary clarifiers and two gravity thickeners at the water pollution control facility.

OPERATING IMPACT: None.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater treatment to meet state and federal criteria.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Spring 2020	Ongoing



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$4,764,705	\$1,413,005	\$517,400	\$538,100	\$555,000	\$569,100	\$580,300	\$591,800	\$3,351,700	-
PAY-GO Utilities	3,898,395	1,156,395	423,300	440,200	454,000	465,600	474,700	484,200	2,742,000	-
Total Sources	\$8,663,100	\$2,569,400	\$940,700	\$978,300	\$1,009,000	\$1,034,700	\$1,055,000	\$1,076,000	\$6,093,700	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$182,400	\$107,400	\$12,000	\$12,000	\$12,500	\$12,500	\$13,000	\$13,000	\$75,000	-
Design/Engineering	754,000	177,000	89,000	93,000	95,000	98,000	100,000	102,000	577,000	-
Construction	7,726,700	2,285,000	839,700	873,300	901,500	924,200	942,000	961,000	5,441,700	-
Total Uses	\$8,663,100	\$2,569,400	\$940,700	\$978,300	\$1,009,000	\$1,034,700	\$1,055,000	\$1,076,000	\$6,093,700	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Utilities

Capital Improvements Program

TITLE: Water Pollution Control Facility Tuscarora Landscaper's Choice (TLC) Solids Silo (23503)

STATUS: Future

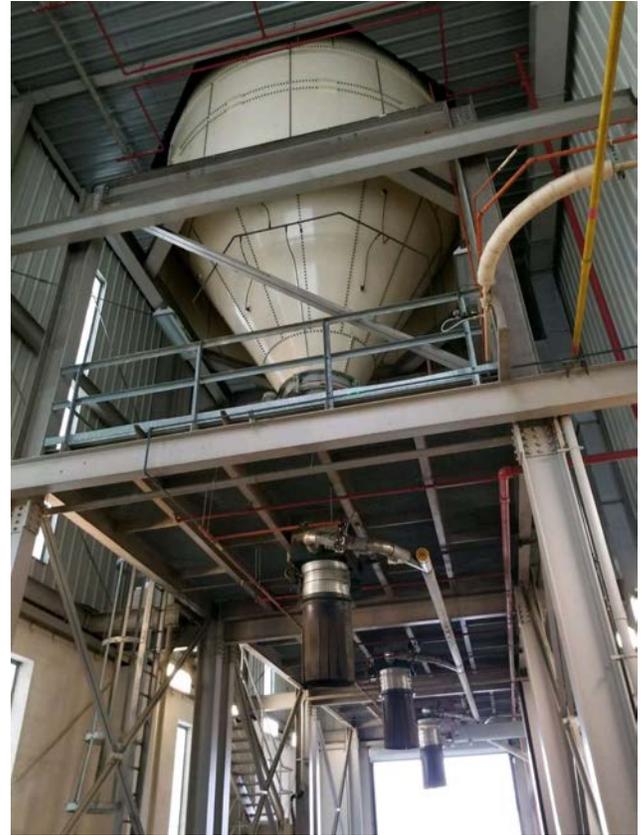
LOCATION: Water Pollution Control Facility

PROGRAM DESCRIPTION: This project includes design and construction of a fourth biosolids silo for storage of the "Tuscarora Landscaper's Choice" (TLC) soil amendment that is produced as a byproduct of the Water Pollution Control Facilities operations. There is a projected increase of biosolids volume production resulting from increased development in the area. The project will also include inspection and condition assessment of the three existing silos.

OPERATING IMPACT: Operational efficiency and process improvements.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate wastewater treatment to meet state and federal criteria. This project will ensure adequate bio-solids storage based on expected population growth.



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2022	Summer 2023

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$359,100	-	-	\$359,100	-	-	-	-	\$359,100	-
PAY-GO Utilities	293,900	-	-	293,900	-	-	-	-	293,900	-
Total Sources	\$653,000	\$—	\$—	\$653,000	\$—	\$—	\$—	\$—	\$653,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$10,000	-	-	\$10,000	-	-	-	-	\$10,000	-
Design/Engineering	65,000	-	-	65,000	-	-	-	-	65,000	-
Construction	578,000	-	-	578,000	-	-	-	-	578,000	-
Total Uses	\$ 653,000	\$ —	\$ —	\$ 653,000	\$ —	\$ —	\$ —	\$ —	\$ 653,000	\$ —

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	\$2,000	\$2,000	\$2,000	\$2,000
Total Impact	\$—	\$—	\$2,000	\$2,000	\$2,000	\$2,000

Capital Improvements Program

Utilities

TITLE: Western Pressure Zone Pump Station Backup Generator (27503)

STATUS: Future

LOCATION: Near the Southwest corner of South King St and Governors Dr. SW

PROGRAM DESCRIPTION: This project provides system redundancy by installing an emergency generator to operate the pump stations feeding the Western Pressure Zone during emergencies.

OPERATING IMPACT: This project increases drinking water delivery reliability during emergencies.

GOAL ADDRESSED: 2012 Town Plan
Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria. This project helps to maintain the integrity of the water storage facilities as a critical component of overall water quality as outlined by the Virginia Department of Health



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2026	Spring 2027

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$330,000	-	-	-	-	-	-	\$330,000	\$330,000	-
PAY-GO	270,000	-	-	-	-	-	-	270,000	270,000	-
Utilities										
Total Sources	\$600,000	\$-	\$-	\$-	\$-	\$-	\$-	\$600,000	\$600,000	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$13,500	-	-	-	-	-	-	\$13,500	\$13,500	-
Design/Engineering	60,000	-	-	-	-	-	-	60,000	60,000	-
Construction	526,500	-	-	-	-	-	-	526,500	526,500	-
Total Uses	\$600,000	\$-	\$-	\$-	\$-	\$-	\$-	\$600,000	\$600,000	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	-	-	-	-	-	-

Utilities

Capital Improvements Program

TITLE: Water Storage Tank Recoating - Carr Tank I (27501)

STATUS: Future

LOCATION: Northwest corner of the Battlefield Parkway NE/ Fort Evans Road intersection

PROGRAM DESCRIPTION: This project will inspect and re-coat the Town's Carr I water storage tank and perform minor modifications to interior draining system to enhance de-watering and cleaning activities. Carr Tank I was last painted in 2010.

OPERATING IMPACT: Operational maintenance and regulatory compliance.

GOAL ADDRESSED: 2012 Town Plan

Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria. This project helps to maintain the integrity of the water storage facilities as a critical component of overall water quality as outlined by the Virginia Department of Health



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2026	Spring 2027

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
GO Bonds	\$745,300	-	-	-	-	-	-	\$745,300	\$745,300	-
PAY-GO Utilities	609,700	-	-	-	-	-	-	609,700	609,700	-
Total Sources	\$1,355,000	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$1,355,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$13,500	-	-	-	-	-	-	\$13,500	\$13,500	-
Design/Engineering	200,000	-	-	-	-	-	-	200,000	200,000	-
Construction	1,141,500	-	-	-	-	-	-	1,141,500	1,141,500	-
Total Uses	\$1,355,000	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$1,355,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Utilities

TITLE: Water Storage Tank Recoating - Carr Tank II (25505)

STATUS: Future

LOCATION: Northwest corner of the Battlefield Parkway NE/ Fort Evans Road intersection

PROGRAM DESCRIPTION: This project will inspect and re-coat the Town's Carr II water storage tank and perform minor modifications to interior draining system to enhance de-watering and cleaning activities. Carr Tank II was last painted in 2009.

OPERATING IMPACT: Operational maintenance and regulatory compliance.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria. This project helps to maintain the integrity of the water storage facilities as a critical component of overall water quality as outlined by the Virginia Department of Health



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2025	Spring 2026

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$730,600	-	-	-	-	-	\$730,600	-	\$730,600	-
PAY-GO Utilities	597,700	-	-	-	-	-	597,700	-	597,700	-
Total Sources	\$1,328,300	\$-	\$-	\$-	\$-	\$-	\$1,328,300	\$-	\$1,328,300	\$-

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$13,000	-	-	-	-	-	\$13,000	-	\$13,000	-
Design/Engineering	200,000	-	-	-	-	-	200,000	-	200,000	-
Construction	1,115,300	-	-	-	-	-	1,115,300	-	1,115,300	-
Total Uses	\$1,328,300	\$-	\$-	\$-	\$-	\$-	\$1,328,300	\$-	\$1,328,300	\$-

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Utilities

Capital Improvements Program

TITLE: Water Storage Tank Recoating - Sycolin Road Tank (27502)

STATUS: Future

LOCATION: 42152 Claudia Drive

PROGRAM DESCRIPTION: This project will inspect and re-coat the Sycolin Road water storage tank and perform minor modifications to interior draining system to enhance de-watering and cleaning activities. Sycolin Road tank was last painted in 2010.

OPERATING IMPACT: Operational maintenance and regulatory compliance

GOAL ADDRESSED: 2012 Town Plan

Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria. This project helps to maintain the integrity of the water storage facilities as a critical component of overall water quality as outlined by the Virginia Department of Health



Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2026	Spring 2027

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$745,300	-	-	-	-	-	-	\$745,300	\$745,300	-
PAY-GO Utilities	609,700	-	-	-	-	-	-	609,700	609,700	-
Total Sources	\$1,355,000	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$1,355,000	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$13,500	-	-	-	-	-	-	\$13,500	\$13,500	-
Design/Engineering	200,000	-	-	-	-	-	-	200,000	200,000	-
Construction	1,141,500	-	-	-	-	-	-	1,141,500	1,141,500	-
Total Uses	\$1,355,000	\$—	\$—	\$—	\$—	\$—	\$—	\$—	\$1,355,000	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	-	-	-	-	-	-
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Utilities

TITLE: Water Supply and Wastewater SCADA Systems Replacement (22504)

STATUS: Future

LOCATION: Utilities Treatment Plants and Remote Facilities

PROGRAM DESCRIPTION: The Supervisory Control and Data Acquisition (SCADA) of the Town's water supply and wastewater systems were originally designed and installed in 2002. SCADA systems provide means to control all plant and system processes. The current systems are not commonly used in the United States. The Town's SCADA system will be converted to a commonly used system and utility plant operations will be readily supported through the implementation of this project, providing greater security and efficient operation of the utility treatment plants' process control network.

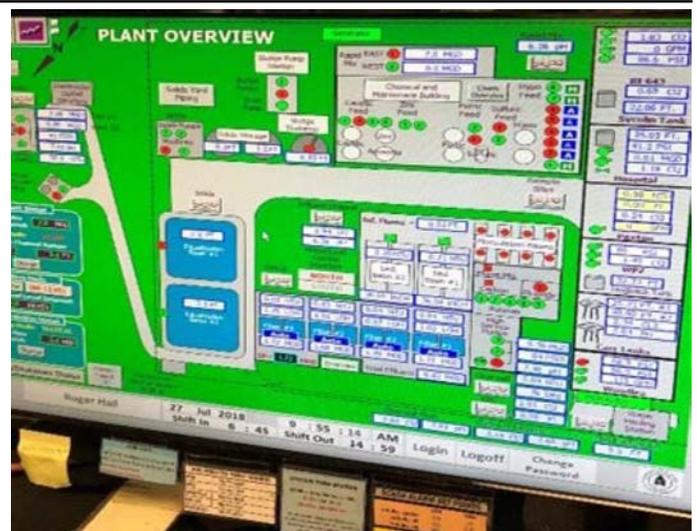
OPERATING IMPACT: Operational efficiency, safety, reliability, and cyber security improvements.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply and wastewater collection and treatment to meet state and federal criteria. This project improves the resilience of the water supply and wastewater process control networks.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2021	Summer 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$1,756,000	-	\$309,300	\$722,800	\$723,900	-	-	-	\$1,756,000	-
PAY-GO Utilities	1,436,500	-	253,000	591,300	592,200	-	-	-	1,436,500	-
Total Sources	\$3,192,500	\$—	\$562,300	\$1,314,100	\$1,316,100	\$—	\$—	\$—	\$3,192,500	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$33,000	-	\$10,000	\$11,000	\$12,000	-	-	-	\$33,000	-
Design/Engineering	552,300	-	552,300	-	-	-	-	-	552,300	-
Construction	2,607,200	-	-	1,303,100	1,304,100	-	-	-	2,607,200	-
Total Uses	\$3,192,500	\$—	\$562,300	\$1,314,100	\$1,316,100	\$—	\$—	\$—	\$3,192,500	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
General Maintenance	-	-	-	\$10,000	\$10,000	\$10,000
Total Impact	\$—	\$—	\$—	\$10,000	\$10,000	\$10,000

Utilities

Capital Improvements Program

TITLE: Water Supply Emergency II and III Interconnect (23504)

STATUS: Future

LOCATION: Sycolin Road.

PROGRAM DESCRIPTION: This project includes design and construction of a second finished water interconnect with Loudoun Water in the Sycolin Zone to enhance water security in the event of a water emergency. This project may also complete a third connection with Leesburg's Water Treatment Plant and Loudoun Water at Loudoun Raw Water Pumping Station.

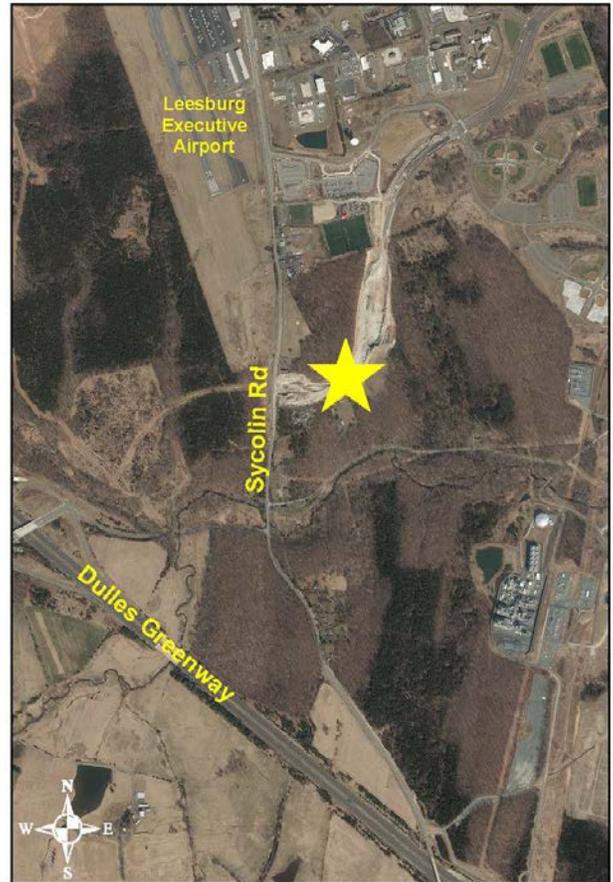
OPERATING IMPACT: None.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria. This project protects the Town from interrupted water supply and fire fighting including during water emergencies and Water Treatment Plant maintenance activities.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2022	Summer 2024



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$1,754,200	-	-	\$876,300	\$877,900	-	-	-	\$1,754,200	-
PAY-GO Utilities	1,435,200	-	-	717,000	718,200	-	-	-	1,435,200	-
Total Sources	\$3,189,400	\$—	\$—	\$1,593,300	\$1,596,100	\$—	\$—	\$—	\$3,189,400	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$24,000	-	-	\$12,000	\$12,000	-	-	-	\$24,000	-
Design/Engineering	400,000	-	-	400,000	-	-	-	-	400,000	-
Construction	2,765,400	-	-	1,181,300	1,584,100	-	-	-	2,765,400	-
Total Uses	\$3,189,400	\$—	\$—	\$1,593,300	\$1,596,100	\$—	\$—	\$—	\$3,189,400	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Capital Improvements Program

Utilities

TITLE: Water Treatment Plant Sludge Disposal Improvements (23505)

STATUS: Future

LOCATION: Water Treatment Plant

PROGRAM DESCRIPTION: This project replaces 18 year old equipment with an efficient solution for accumulating, mixing and removing Water Treatment Plant (WTP) sludge. The current process of mixing, storing and maintaining WTP sludge is inefficient due to excess energy consumption and manual labor. The improvement will install modernized equipment and save labor and energy expenses at the WTP.

OPERATING IMPACT: Operational maintenance, improvement to process, regulatory compliance, and reduced energy costs.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Summer 2022	Summer 2023



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
Utilities Bonds	\$901,000	-	-	\$901,000	-	-	-	-	\$901,000	-
PAY-GO Utilities	737,200	-	-	737,200	-	-	-	-	737,200	-
Total Sources	\$1,638,200	\$—	\$—	\$1,638,200	\$—	\$—	\$—	\$—	\$1,638,200	\$—

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Project Management	\$15,000	-	-	\$15,000	-	-	-	-	\$15,000	-
Design/Engineering	225,000	-	-	225,000	-	-	-	-	225,000	-
Construction	1,398,200	-	-	1,398,200	-	-	-	-	1,398,200	-
Total Uses	\$1,638,200	\$—	\$—	\$1,638,200	\$—	\$—	\$—	\$—	\$1,638,200	\$—

Operating Impact

Operating/Maintenance	2022	2023	2024	2025	2026	2027
N/A	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—

Utilities

Capital Improvements Program

TITLE: Utilities Repair, Replacement and Rehabilitation (3-R)

STATUS: Ongoing

LOCATION: Town-wide

PROGRAM DESCRIPTION: The Department of Utilities Repair, Replacement and Rehabilitation (3-R) Program is a capital renewal program for water and wastewater facilities and assets. The program addresses the needs of the expanding and aging utility systems including vehicles, construction equipment, facilities, treatment plant pumps, piping and process components. While performing routine and preventative maintenance activities, assets are evaluated including condition assessment to determine the useful life and potential repair, replacement or rehabilitation.

OPERATING IMPACT: None.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria.

Significant Dates

PROJECT START	ESTIMATED COMPLETION
Ongoing	Ongoing



Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/21							Total for 6 Yr CIP	Future Funds Required
			2022	2023	2024	2025	2026	2027		
PAY-GO Utilities	\$15,771,600	\$ —	\$2,104,100	\$2,702,600	\$2,732,900	\$2,884,000	\$1,668,000	\$3,680,000	\$15,771,600	\$ —
Total Sources	\$15,771,600	\$ —	\$2,104,100	\$2,702,600	\$2,732,900	\$2,884,000	\$1,668,000	\$3,680,000	\$15,771,600	\$ —

Planned Uses

Uses	Total Project Cost	Expended through 6/30/21							Total for 6 Yr CIP	Future Project Cost
			2022	2023	2024	2025	2026	2027		
Computer Equipment	\$371,000	\$ —	\$66,000	\$35,000	\$35,000	\$35,000	\$160,000	\$40,000	\$371,000	\$ —
Computer Software	347,000	—	87,000	12,000	12,000	12,000	12,000	212,000	347,000	—
Building Improvements	2,033,000	—	908,000	375,000	250,000	90,000	-	410,000	2,033,000	—
Electronic Equipment	620,000	—	-	400,000	-	-	220,000	-	620,000	—
Laboratory Equipment	81,900	—	6,500	64,000	5,400	6,000	-	-	81,900	—
Motor Vehicle Equipment	3,690,000	—	252,000	888,000	365,000	606,000	746,000	833,000	3,690,000	—
Power Equipment	20,000	—	20,000	-	-	-	-	-	20,000	—
Site Improvements	50,000	—	-	-	-	-	-	50,000	50,000	—
Water Poll Cont Plant Equip	3,138,700	—	254,600	363,600	865,500	660,000	230,000	765,000	3,138,700	—
Water Treatment Plant Equip	5,420,000	—	510,000	565,000	1,200,000	1,475,000	300,000	1,370,000	5,420,000	—
Total Uses	\$15,771,600	\$ —	\$2,104,100	\$2,702,600	\$2,732,900	\$2,884,000	\$1,668,000	\$3,680,000	\$15,771,600	\$ —



Future Projects

Priority Future Capital Projects

The following list of priority future projects are for Town Council consideration based upon available funding and priorities. Each project includes a brief summary, estimated cost, and project status. The costs are only estimates and are subject to change based upon modifications in project scope, economic conditions, and timing. The projects are not listed in any particular order of significance.

Project Name	Project Summary	Estimated Cost	Status
Airport North Hangars Apron Paving	Mill and overlay existing aircraft apron area serving the A, B, C and D hangar buildings. This approximately 22,500 square yard apron was identified in the 2015 Virginia Department of Aviation Pavement Management Update as requiring rehabilitation before 2021. The apron serves as taxi lanes for aircraft access to the Town-owned hangar buildings.	\$500,000	Study scheduled for Fiscal Year 2021 to determine scope and cost.
Airport Runway 17 Approach Lights (ODALS) Upgrade (22002)	Currently the Runway 17 approach to the airport is equipped with a partial omnidirectional approach lighting system (ODALS). This project would add the last two lights to make this a fully implemented ODAL system. The funding for this project was moved to the future funding required in order to coincide with Airport RPZ Land Acquisition (25002) for the northern runway protection zone.	\$363,000	Pending land acquisition
Battlefield Parkway Intersection with Solitude Court Left Turn Improvements	When Kincaid Boulevard is opened upon completion of Crosstrail Boulevard, additional traffic volumes are expected at the intersection of Battlefield Parkway with Kincaid Boulevard and Solitude Court. Left turns from Solitude Court to Battlefield Parkway are anticipated to be more difficult. Improvements to the intersection are being considered to mitigate these additional traffic volumes.	\$600,000	Awaiting funding.
Catoctin Circle/Edwards Ferry Road Intersection Improvements	Traffic studies have shown that improvements to traffic flow are warranted at this intersection. A Loudoun County proffer in connection with the courthouse expansion project will partially fund the intersection improvements. Final decisions regarding the need for and type of improvements required was delayed until completion of the Lowenbach Street improvement project (Project Number 05303). Implementation of this project will be based on an analysis of the impact of opening the neighborhood streets and the completion of the courthouse expansion.	\$1,000,000	Lowenbach subdivision improvements were completed in 2016. County Courthouse expansion is underway. Analysis of the intersection will be conducted.
Chesapeake Bay TMDL Future Phases	Recently completed stormwater management pond retrofit projects and on-going stream restoration projects will meet the short-term Chesapeake Bay Total Maximum Discharge Load (TMDL) requirements established by EPA and the state. Additional improvement projects will be required to meet long-term goals.	\$1,500,000	Awaiting Funding.
Chesapeake Bay Watershed Implementation Plan (WIP3)	In August 2019, the Virginia Department of Environmental Quality (DEQ) mandated stringent nitrogen and phosphorous removal limits. These limits are lower than currently permitted through the Town of Leesburg's current discharge permit. Treatment processes at the Water Pollution Control Facility may be evaluated and nutrient removal technology systems may be engineered and constructed by 2028 to meet DEQ's newly established minimum limits.	TBD	Awaiting funding.

Project Name	Project Summary	Estimated Cost	Status
Church Street SE- One-Way Sidewalk Portion	Construct approximately 150 feet of sidewalk on the one-way portion of Church Street between Market Street and Loudoun Street to complete sidewalk connectivity from Market Street to sidewalk proposed as part of the Church & Market Apartments Development. The proposed improvements will include sidewalk, and curb and gutter on the west side next to a five foot retaining wall to maintain existing parking spaces on the adjoining property.	\$600,000	Study completed. Awaiting funding.
Trail on Old Waterford Road- Fairview Street to Morven Park Entrance	Residents have requested the addition of a trail along Old Waterford Road from Fairview Street to the Morven Park entrance. This section of Old Waterford Road is heavily used by pedestrians, runners and bicyclists to access Morven Park and the roadway is narrow with minimal shoulder area and is heavily traveled by commuter traffic.	TBD	Study scheduled for Fiscal Year 2021 to determine scope and cost.

Potential Future Capital Projects

The following list of potential future projects are for Town Council consideration based upon available funding and priorities. In some instances, additional research is required before a specific recommendation can be made. The projects are broken down by capital improvement category and include a brief project summary. Any estimates provided are subject to change based upon modifications in project scope, economic conditions, and timing.

GENERAL GOVERNMENT

Project Name	Project Summary
ADA Improvements Town-wide	After Americans with Disability Act (ADA) Transition Plan Update is completed, priority projects required to bring the Town into compliance with ADA regulations will be added to the Capital Improvements Program.

PARKS & RECREATION

Project Name	Project Summary
Tuscarora Creek Trail Phase II	Trail from Brandon Park at Harrison Street to Davis Avenue and Olde Izaak Walton Park via the Tuscarora Creek stream valley. This 2,500 linear foot trail provides access to Olde Izaak Walton Park, and includes a crossing of Tuscarora Creek.

STREETS & HIGHWAYS

Project Name	Project Summary
Church Street Improvements Phase II- Royal Street to Town Branch	Project includes extension of paved roadway approximately 200 feet towards the W&OD Trail to connect to future private development. The project includes construction of a Crescent District water feature at the southern end of Church Street adjacent to the proposed King Street Station project.
Davis Avenue Sidewalk	Install sidewalk on both sides of Davis Avenue from South King Street to the Valley View Drive intersection.
North King Street at North Street Traffic Signal	Traffic signal at the intersection of North King Street and North Street.
Old Waterford Road Improvements (from Fairview Street to the Rust Library)	Provide curb, gutter, and missing sidewalk link on Old Waterford Road. The purpose of the project is to improve drainage and pedestrian accessibility.
Route 7 Bypass Widening- West Market Street to Dulles Greenway	VDOT / Loudoun County project to widen the Bypass to six lanes (three lanes in each direction). Project will include modifications to interchanges, modification or replacement of bridges as required, and installation of noise walls. Town will cooperate with VDOT and Loudoun County in completion of the improvements.
Royal Street Improvements East of Harrison Street	Sidewalk, parking and drainage improvements.
West Market Street/ Morven Park Road/ Loudoun Street Intersection Improvements	Intersection improvements to improve vehicular and pedestrian safety and traffic congestion. Study completed in March 2009 on potential design options.

STORM DRAINAGE

Project Name	Project Summary
1st, 2nd & Wirt Street, SW	Storm drainage improvements including curb and gutter to alleviate flooding of yards and drainage problems along 1st Street west of South King Street, 2nd Street and Wirt Street SW. Project improvements to be sensitive to existing neighborhood character.
Dry Mill Road Sidewalk and Drainage Improvements (Catocin to W&OD)	Sidewalk and drainage improvements from the W&OD trail to Catocin Circle.
Liberty Street Improvements (Loudoun Street to Liberty Parking Lot)	Upgrade this segment of Liberty Street to provide sidewalks and improve drainage. These improvements will enhance pedestrian access to the public parking lot. The improvements will consider converting Liberty Street to one-way.
South Street at South King Street	Storm drainage improvements to alleviate flooding of a single family home at the corner of South Street and South King Street. Project dependent upon future nearby development.
Tuscarora Creek Stream Restoration (from downstream of the Leesburg Bypass to near Lawson Road)	Improvements to the Tuscarora Creek stream channel to mitigate erosion and stream degradation.

AIRPORT

Project Name	Project Summary
Runway 17 Extension	Extend the runway for approximately 500 linear feet to accommodate larger aircraft. Project is part of the Federal Aviation Administration (FAA) and Town Master Plan for the airport. Significant funding to be provided by FAA and the Virginia Department of Aviation.

UTILITIES

Project Name	Project Summary
Hogback Tank Recoating	This project will inspect and recoat the Town's Hogback Tank water storage tank and perform minor interior tank modifications to enhance cleaning and dewatering activities.

Adopted Capital Improvements Program (CIP) Supplemental Information

CIP Development

The CIP is developed by a process that identifies potential capital projects for a six-year period. A thorough review and analysis of the projects, related priorities, and the Town’s financial capabilities to fund projects is conducted. A schedule is prepared and approved by the Town Manager. Finally, The CIP is reviewed and recommended by the Planning Commission to the Town Council for evaluation and adoption. The CIP is updated annually prior to adoption of the budget.

Relationship to Town Plan

The CIP and Town Plan are integrally related and mutually supportive. Capital projects identified in the CIP are designed to support the goals and objectives of the Town Plan. The Town Plan provides the framework related to the overall goals and objectives guiding and development in the Town. A copy of the Town Plan can be located [here](#).

Relationship to Debt Financing

The Town’s capital projects plan addresses the increasing demand for public facilities, water & sewer, and infrastructure. Consistent with the Town’s fiscal policy and best practices in debt financing, bonds are periodically issued to support the development and construction of capital projects.

The Town issues general obligation bonds to provide funds for the acquisition and construction of major capital facilities. General obligation bonds have been issued for both general government and proprietary activities. These bonds are reported in the proprietary fund (Utilities) if they are expected to be repaid from proprietary fund revenues. In addition, general obligation bonds have been issued to refund both general obligation and revenue bonds. General obligation bonds are direct obligations and pledge the full faith and credit of the Town. These bonds generally are issued as serial bonds with amounts of principal maturing each year.

The Town may also issue revenue bonds where income derived from the acquired or constructed assets is pledged to pay debt service. These bonds, when issued, are used primarily to finance improvements to the Town’s water and sewer systems.

Debt service is the Town’s first funding obligation. Bonds issued in a particular fiscal year require increased General Fund or Utilities Fund resources in the following year’s budget. For future funding of the CIP, the Town anticipates utilizing general obligation line of credit and issuing bond to payoff the line of credit in FY 2023. It is the Town’s policy to limit debt financing to fund capital projects that have useful lives that will exceed the bond repayment period. The following chart depicts the key financial ratio targets of the Town for the six year planning period. The Town continues to meet and or exceed the target ratios, maintaining compliance with its overall fiscal policy.

Projected Financial Ratio Target

	2022	2023	2024-27
Debt Financing	52.5%	53.0%	42.2 %
Debt Service of Gen. Exp. < 15%	13.0%	14.1%	13.1 %
Bond Debt to Assessed Value <2.5%	0.50%	0.50%	0.40 %

Other capital budgeting and debt policies are outlined below:

- The Town will make all capital improvements in accordance with the adopted Capital Improvements Program.
- The Town will develop a multi-year plan for capital improvements, which considers the Town’s development policies and links development proffers resulting from conditional zonings with the capital plan.
- The Town will coordinate development of the capital budget with development of the operating budget. Future operating costs associated with new capital projects will be projected and included in operating budget forecasts.
- The Town will make use of non-debt capital funding through the use of alternate sources, including proffers and pay-as-you-go financing. The goal is to finance at least 25% of the current portion of construction and acquisition costs of capital assets, improvements, and infrastructure through the use of non-debt sources.
- The Town will not fund non-capital operations from the proceeds of borrowed funds and will confine long-term borrowing and capital leases to capital improvements, projects, equipment, or related expenditures that cannot be financed from current financial resources.
- The Town will, when financing capital improvements or other projects or equipment by issuing bonds or entering into capital leases, repay the debt within a period not to exceed the expected useful life of the project or equipment. Debt related to equipment ancillary to a construction project may be amortized over a period less than that of the primary project.
- The Town is cognizant of its debt burden and will continue to offset its impact through rapid payback. An average payback of at least 60% in ten years will be maintained except for projects with a known revenue stream.
- The Town will annually calculate target debt ratios. The Town’s debt capacity shall be maintained within the following primary goals:
- Debt service expenditures as a percentage of General Fund expenditures should not exceed 15%.
- Bonded debt of the Town shall not exceed 2.5% of the total assessed value of taxable property in the Town.
- The Town will follow a policy of full disclosure in every annual financial report and financing official statement/offering document.
- The Town will maintain good communications about its financial condition with bond and credit rating institutions.

