Five-Year Capital Improvement Program - Summary (Dollars in Thousands)

	Total Project Budget	FY 2020 and Prior Years	Five-Year CIP FY 2021-25	FY 2026 and Future Years
Program Area:				
General Government Projects	24,620	2,847	1,910	19,863
Culture & Recreation Projects	33,430	3,195	7,535	22,700
Public Safety Projects	89,451	42,351	22,500	24,600
Transportation Projects	80,414	39,776	19,273	21,365
Sewer Projects	5,475	3,475	2,000	-
Water Projects	49,460	31,660	16,700	1,100
Electric Projects	3,530	1,180	2,350	-
Stormwater Projects	32,027	10	12,157	19,860
Airport Projects	49,788	5,708	15,080	29,000
School Projects	93,973	-	17,747	76,226
Total	**462,168**	**130,202**	**117,252**	**214,714**
Funding Source:				
General Fund	9,056	6,611	1,945	500
Sewer Fund	7,067	4,202	1,885	980
Water Fund	18,618	13,913	1,915	2,790
Electric Fund	8,445	4,445	2,950	1,050
Stormwater Fund	827	10	817	-
Airport Fund	1,988	353	619	1,016
School Fund	15,639	33	15,606	-
Bonds	290,863	62,108	58,581	170,174
State	21,979	12,942	6,408	2,629
Federal	56,519	12,974	23,125	20,420
NVTA 30%	11,432	5,722	2,220	3,490
Other Source	19,735	6,889	1,181	11,665
Project Cost Total:	**462,168**	**130,202**	**117,252**	**214,714**

Five-Year Capital Improvement Program - Project Listing (Dollars in Thousands)

	Total Project Budget	FY 2020 and Prior Years	Five-Year CIP FY 2021-25	FY 2026 and Future Years
General Government Projects				
City Hall Improvements/Renovations	10,481	1,137	1,910	7,434
Public Works & Utilities Facility Improvements	8,060	1,460	-	6,600
Manassas Customer Service	250	250	-	-
Social Services Facility	5,829	-	-	5,829
Program Total	**24,620**	**2,847**	**1,910**	**19,863**
Culture & Recreation Projects				
Manassas Museum	3,889	389	3,500	-
Dean Park	2,664	264	2,400	-
E.G. Smith Baseball Complex	7,976	376	1,600	6,000
Annaburg Manor	6,816	1,816	-	5,000
Jennie Dean Memorial	350	350	-	-
Manassas Library	11,200	-	-	11,200
Cedar Crest Park	535	-	35	500
Program Total	**33,430**	**3,195**	**7,535**	**22,700**
Public Safety Projects				
Public Safety Facility	49,185	26,685	22,500	-
Fire/Rescue Station 21	15,666	15,666	-	-
Fire/Rescue Station 1	24,600	-	-	24,600
Program Total	**89,451**	**42,351**	**22,500**	**24,600**
Transportation Projects				
Sudley Road Third Lane	6,960	6,960	-	-
Land Acquisition (Downtown Parking Lot)	1,200	-	-	1,200
Grant Ave (Lee Ave to Wellington Rd)	11,137	7,941	3,196	-
Dean Drive Extended	3,894	3,654	240	-
Dean Drive (Animal Shelter to Wellington Rd)	8,300	-	-	8,300
Route 28 / Nokesville Rd Widening	18,222	12,031	6,191	-
Liberia Avenue Improvements	4,165	-	500	3,665
Stonewall Park Trail Extension	2,000	-	625	1,375
Godwin Drive Bike Trail	1,703	1,703	-	-
Commercial Corridor Streetscapes	1,001	147	854	-
Centreville Road Improvements	803	803	-	-
Fairview Avenue / Tudor Lane Signal	1,145	1,130	15	-
North Side Downtown Parking Garage	6,825	-	-	6,825

Five-Year Capital Improvement Program - Project Listing (Dollars in Thousands)

	Total Project Budget	FY 2020 and Prior Years	Five-Year CIP FY 2021-25	FY 2026 and Future Years
Traffic Signal Span Wire to Mast Arms	750	-	750	-
Wakeman Drive Bike Lane	500	500	-	-
Gateway Boulevard Sidewalk/Trail	490	340	150	-
Roundabout Sudley/Centreville	3,825	3,825	-	-
Mathis Avenue Improvements	5,658	-	5,658	-
Quarry Streetscape	992	742	250	
Wellington Road Shared-Use Path Gap	844	-	844	
Program Total	**80,414**	**39,776**	**19,273**	**21,365**
Sewer Projects				
Upper Flat Branch Interceptor Replacement	3,665	3,230	435	-
Buckner Road Sewer Main Replacement	1,225	60	1,165	-
Ellicott Lane Sewer Main Replacement	585	185	400	-
Program Total	**5,475**	**3,475**	**2,000**	**-**
Water Projects				
24" Transmission Main Replacement	32,960	16,260	16,700	-
Finished Water Capacity Increases	3,000	3,000	-	-
Clear-Well Addition and Roof Renovation	2,400	2,400	-	-
Nokesville Road Upgrade	1,100	-	-	1,100
Dean Storage Tank	10,000	10,000	-	-
Program Total	**49,460**	**31,660**	**16,700**	**1,100**
Electric Projects				
New Fiber Optic Loop/Ring	505	355	150	-
LED Streetlight Replacement	750	350	400	-
Manassas Airport Distribution Improvements	1,775	175	1,600	-
Point of Woods Substation Circuit Tie-Point	500	300	200	-
Program Total	**3,530**	**1,180**	**2,350**	**-**

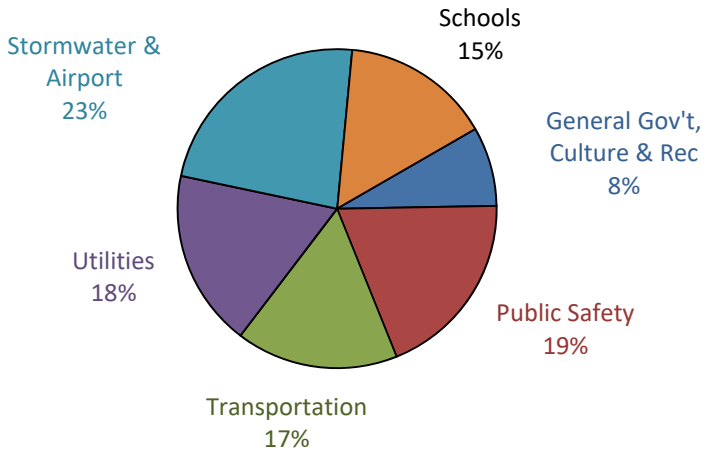
Five-Year Capital Improvement Program - Project Listing (Dollars in Thousands)

	Total Project Budget	FY 2020 and Prior Years	Five-Year CIP FY 2021-25	FY 2026 and Future Years
Stormwater Projects				
Stream Restoration	25,830	-	5,970	19,860
Stormwater Pond Retrofit	5,380	10	5,370	-
Alternative Stormwater BMPs	567	-	567	-
Public Works & Utilities Facility Retrofit	250	-	250	-
Program Total	**32,027**	**10**	**12,157**	**19,860**
Airport Projects				
Air Traffic Control Tower	8,600	-	-	8,600
Realignment of Wakeman Dr & Observation Rd	3,850	-	-	3,850
Land Acquisition Southwest Side of Airport	3,000	-	-	3,000
Fuel Farm Update	550	-	-	550
Taxiway A Rehabilitation	2,500	250	2,250	-
Runway 16R/34L Rehabilitation	399	399	-	-
North East Apron Expansion	1,300	-	-	1,300
Rehabilitate and Widen Taxiway B	4,900	-	4,900	-
Terminal Parking Lot Expansion	1,100	-	-	1,100
Upgrade Taxiway A Lighting System	300	-	300	-
Installation of Backup Generators	550	-	250	300
Taxiway G and Taxilane Y Construction	4,059	4,059	-	-
West Corporate Development Site / Drainage	2,400	1,000	1,400	-
Rehabilitation of Runway 16L/34R	4,380		4,380	-
Upgrade and Replace 16L/34R Lighting System	550		550	-
East Apron Rehabilitiation	6,000		500	5,500
Runway 16R/34L Extension	4,800		-	4,800
Taxiway B Lighting System Upgrade	550		550	-
Program Total	**49,788**	**5,708**	**15,080**	**29,000**
School Projects				
District Wide - Classroom Trailers	900	-	900	-
District Wide - Technology Upgrades	1,050	-	1,050	-
District Wide - School Bus Replacements	2,486	-	2,486	-
District Wide - School Bus Additions	496	-	496	-
District Wide - Fire Alarm Replacement	769	-	769	-
Central Office - Replacement	5,834	-	5,834	-
Central Office - Architectural & Engineering	500		500	
Osbourn - Parking Lot Improvements	250	-	250	-

Five-Year Capital Improvement Program - Project Listing (Dollars in Thousands)

	Total Project Budget	FY 2020 and Prior Years	Five-Year CIP FY 2021-25	FY 2026 and Future Years
Osbourn - Hallway Floor Replacement	250	-	250	-
Osbourn - Cooling Tower & Chiller Replacement	2,000	-	2,000	-
Osbourn - Restroom Refurbishment	300	-	300	-
Metz - Classroom Flooring Replacement	275	-	275	-
Mayfield - Roof Replacement	2,000	-	2,000	-
Haydon - Parking Lot Improvements	100	-	100	-
Round - Parking Lot Replacement	350	-	350	-
Weems - Parking Lot Improvements	40	-	40	-
Weems - Partial Maintenance Roof	84	-	84	-
Weems - Interior Paint	63	-	63	-
New Dean - Building Replacement	76,226	-	-	76,226
Program Total	**93,973**	**-**	**17,747**	**76,226**
TOTAL	**462,168**	**130,202**	**117,252**	**214,714**

FY 2021 Five-Year CIP by Program



Most capital improvement projects generate future operating budget costs in one or more of three ways: debt service; PAYGO (both to offset the need to issue debt and to fund projects not eligible for debt); and changes to the Operating Budget to support new or renovated facilities. Debt service and annual PAYGO are the most **significant** financial impacts of the City's five-year capital improvement program.

DEBT SERVICE

Bonds are used to spread the cost of construction over time, so that those who benefit from the project over time also assist in the funding of the project. General Obligation Bonds are issued for a wide variety of functions such as transportation, public schools, public safety, and utility infrastructure. These bonds are legally-binding general obligations of the City and constitute an irrevocable pledge of its full faith and credit and unlimited taxing power. Tax-supported debt (for purposes of this discussion) includes debt to be repaid by the General Fund, Fire and Rescue Fund, and School Fund. Debt repaid by the enterprise funds (Sewer, Water, Electric, Airport, and Stormwater) is supported by the revenues of those funds. Future debt service is funded through a combination of debt roll-off, reduced expenditures, and increased taxes and fees.

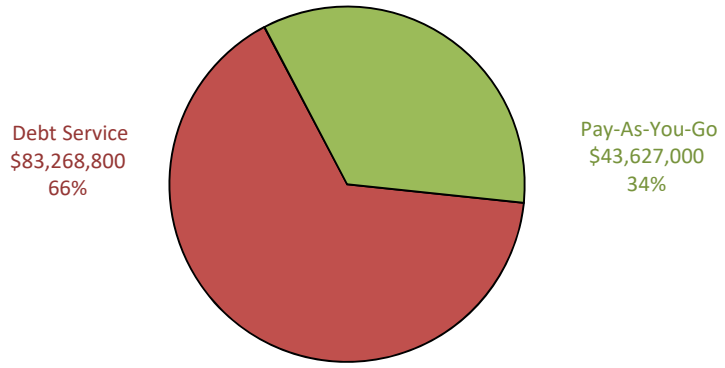
PAYGO

Certain capital projects are funded directly with current revenues of the City in order to avoid the cost of borrowing (PAYGO). These amounts for the first year of the Adopted CIP are included in the operating budget as specific transfers to the respective capital project funds. PAYGO is often split between capital projects, which are in the CIP, and maintenance capital projects which are not considered part of the CIP. For this analysis both are included.

OPERATING BUDGET IMPACTS

The construction of government buildings and facilities usually results in new annual costs for maintenance, utilities, and additional staffing required for facility management and operation. Whenever a new or expanded facility involves program expansion, the required staffing and equipment represent additional operating budget expenditures. Many of these facilities will serve as replacements for existing facilities as opposed to additional facilities.

Impact of Five-Year CIP on Operating Budget



Five Year Capital Improvement Program - Impact on Operating Budget (All Funds)

Supporting Fund / Project	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Debt Service					
General Fund		2,000,000	2,416,000	2,416,000	2,416,000
Fire and Rescue Fund	-	-	-	-	-
Sewer Fund	-	-	-	-	-
Water Fund	-	312,000	1,192,000	1,192,000	1,192,000
Electric Fund	-	-	-	-	-
Stormwater Fund	-	368,000	368,000	907,200	907,200
Airport Fund	-	-	-	-	-
School Fund	-	-	171,280	171,280	171,280
Debt Service	-	2,680,000	4,147,280	4,686,480	4,686,480
PAYGO					
General Fund	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
Fire and Rescue Fund	-	-	-	-	-
Sewer Fund	1,325,000	1,200,000	450,000	450,000	450,000
Water Fund	765,000	715,000	2,400,000	600,000	600,000
Electric Fund	2,825,000	1,935,000	2,280,000	2,210,000	1,550,000
Stormwater Fund	574,000	585,000	447,000	263,000	263,000
Airport Fund	446,000	249,000	139,000	30,000	90,000
School Fund	3,617,000	3,049,000	3,060,000	3,000,000	3,060,000
PAYGO	10,552,000	8,733,000	9,776,000	7,553,000	7,013,000
Other Operating Costs (Savings)					
General Fund	293,000	293,000	293,000	281,000	281,000
Fire and Rescue Fund	-	-	-	-	-
Sewer Fund	-	-	-	-	-
Water Fund	-	-	-	-	-
Electric Fund	-	-	-	-	-
Stormwater Fund	-	-	-	-	-
Airport Fund	(1,000)	(1,000)	(2,000)	-	(1,000)
School Fund	-	-	-	-	-
Other Operating Costs (Savings)	292,000	292,000	291,000	281,000	280,000
Total Operating Impacts	**10,844,000**	**11,705,000**	**14,214,280**	**12,520,480**	**11,979,480**

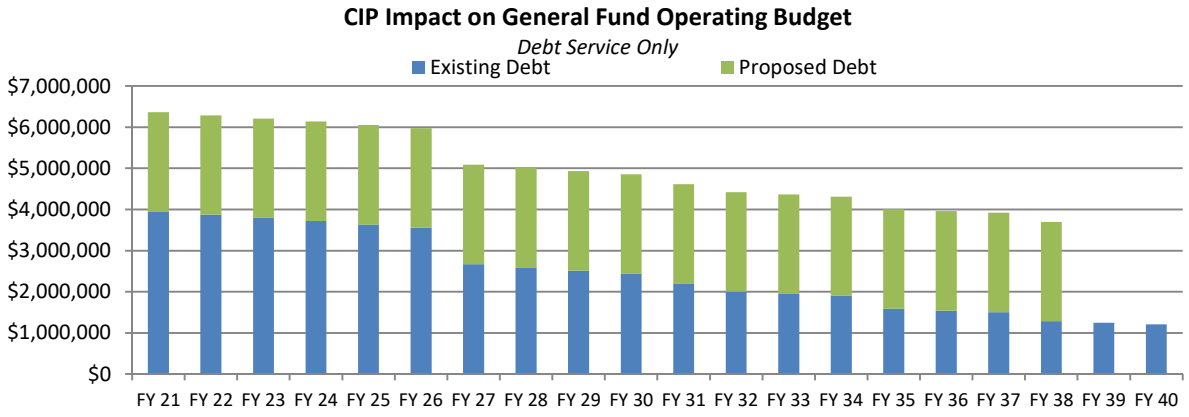
Five Year Capital Improvement Program - Impact on General Fund Operating Budget

Supporting Fund / Project		FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
General Fund						
Debt Service						
P-015	Public Safety Facility	-	1,800,000	1,800,000	1,800,000	1,800,000
C-006	Manassas Museum	-	200,000	200,000	200,000	200,000
C-017	Dean Park	-	192,000	192,000	192,000	192,000
C-037	E.G. Smith Baseball Complex	-	128,000	128,000	128,000	128,000
T-086	Mathis Avenue	-	96,000	96,000	96,000	96,000
C-037	E.G. Smith Baseball Complex	-	-	-	-	-
	Proposed Debt	-	2,416,000	2,416,000	2,416,000	2,416,000
	PAYGO (Capital & Maint.)	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
	Other Operating Costs (Savings)	293,000	293,000	293,000	281,000	281,000
	Total Operating Impacts	**$ 1,293,000**	**$ 3,709,000**	**$ 3,709,000**	**$ 3,697,000**	**$ 3,697,000**

General Fund debt service is funded with tax revenues raised in the General Fund and transferred to the Debt Service Fund. This transfer is based on the budget as opposed to actual debt service costs to build future debt capacity.

Proposed bond issues in the Five-Year CIP include $22.5 million for the public safety facility and $1.2 million for transportation improvements in FY 2021; $2.4 million for Dean Park and $1.6 million for E.G. Smith Baseball Complex in FY 2021; and $2.5 million for the Manassas Museum in FY 2021. The estimated annual debt service is shown above.

The proposed public safety facility would replace the current Police Headquarters.

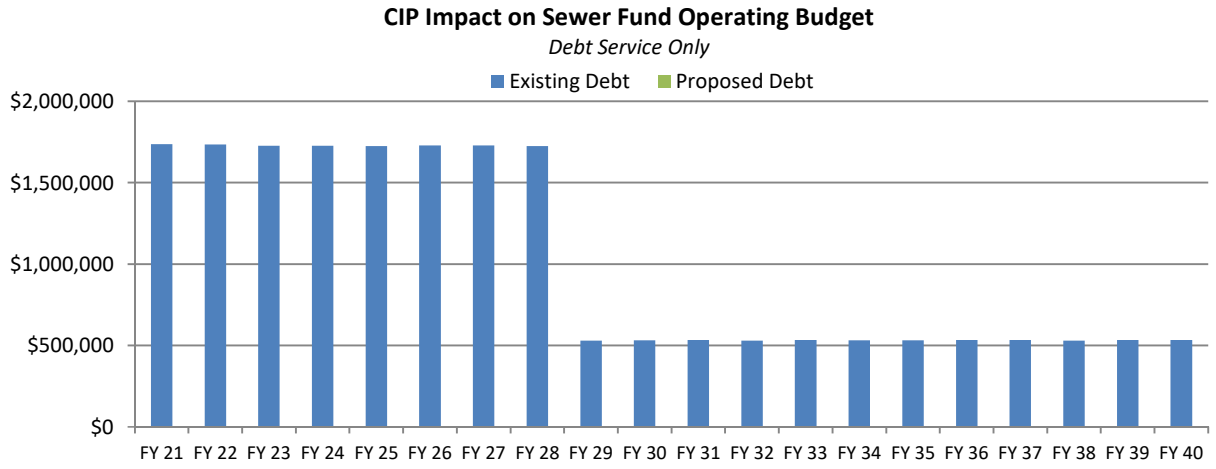


Five Year Capital Improvement Program - Impact on Sewer Fund Operating Budget

Supporting Fund / Project	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Sewer Fund					
Debt Service					
n/a No Bond Projects	-	-	-	-	-
Proposed Debt	-	-	-	-	-
PAYGO (Capital & Maint.)	1,325,000	1,200,000	450,000	450,000	450,000
Other Operating Costs (Savings)	-	-	-	-	-
Total Operating Impacts	**$ 1,325,000**	**$ 1,200,000**	**$ 450,000**	**$ 450,000**	**$ 450,000**

Sewer Fund debt service is supported by sewer utility rates and paid out of the Sewer Fund.

There are no proposed bond issues for the Sewer program in the Five-Year Capital Improvement Program. The only impact of the Five-Year CIP is the annual PAYGO contribution.

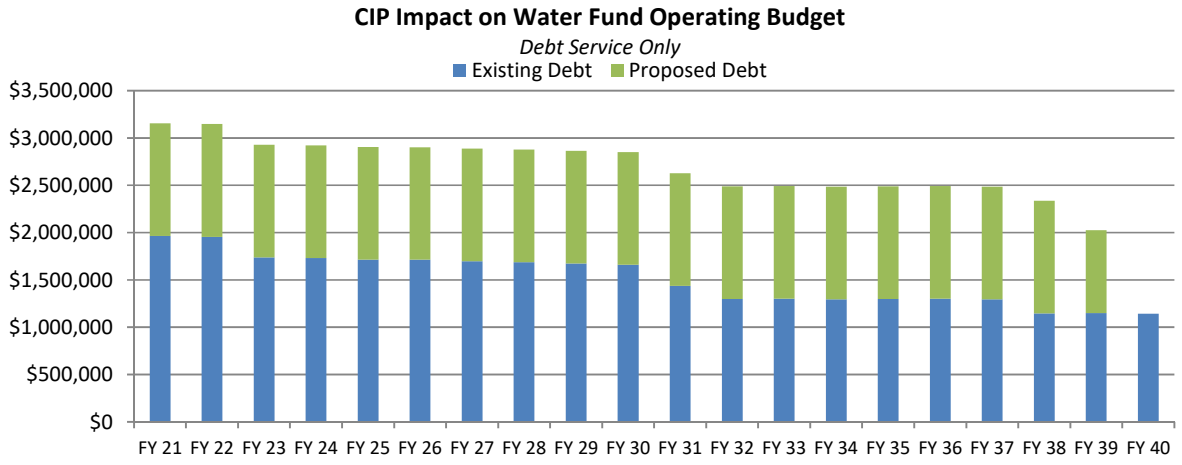


Five Year Capital Improvement Program - Impact on Water Fund Operating Budget

Supporting Fund / Project	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Water Fund					
Debt Service					
W-042 24" Transmission Main Replace	-	312,000	1,192,000	1,192,000	1,192,000
Proposed Debt	-	312,000	1,192,000	1,192,000	1,192,000
PAYGO (Capital & Maint.)	765,000	715,000	2,400,000	600,000	600,000
Other Operating Costs (Savings)	-	-	-	-	-
Total Operating Impacts	**$ 765,000**	**$ 1,027,000**	**$ 3,592,000**	**$ 1,792,000**	**$ 1,792,000**

Water Fund debt service is supported by water utility rates and paid out of the Water Fund.

Proposed bond issues in the Five-Year CIP include $14.9 million for the 24" Transmission Main Replacement Project ($3.9 million in FY 2021, and $11 million in FY 2023). The estimated debt service associated with these bond issues is shown above.

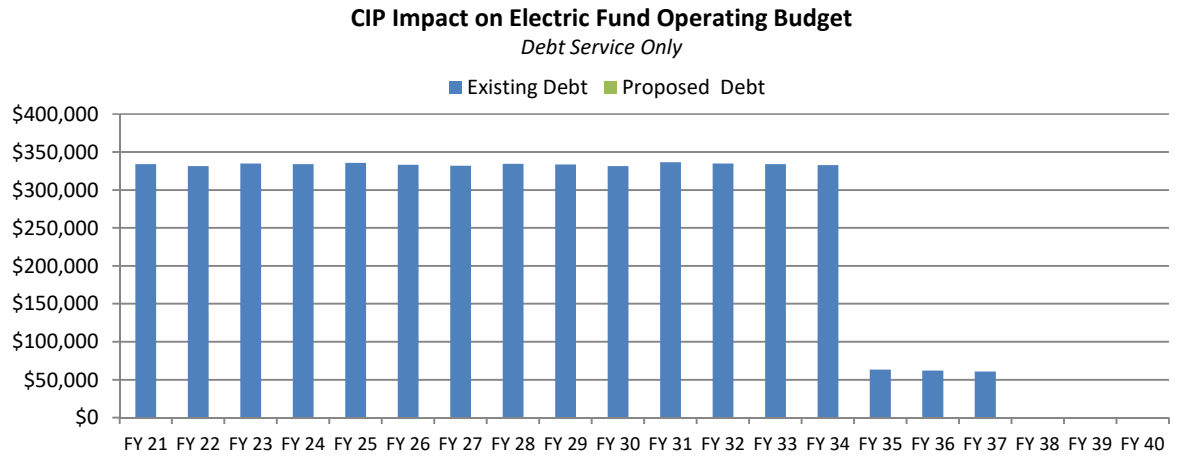


Five Year Capital Improvement Program - Impact on Electric Fund Operating Budget

Supporting Fund / Project	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Electric Fund					
n/a No Bond Projects	-	-	-	-	-
Proposed Debt	-	-	-	-	-
PAYGO (Capital & Maint.)	2,825,000	1,935,000	2,280,000	2,210,000	1,550,000
Other Operating Costs (Savings)	-	-	-	-	-
Total Operating Impacts	**$ 2,825,000**	**$ 1,935,000**	**$ 2,280,000**	**$ 2,210,000**	**$ 1,550,000**

Electric Fund debt service is supported by electric utility rates and paid out of the Electric Fund.

There are no bond issues for the Electric program in the Five-Year Capital Improvement Program. The only impact of the Five-Year CIP is the annual PAYGO contribution.

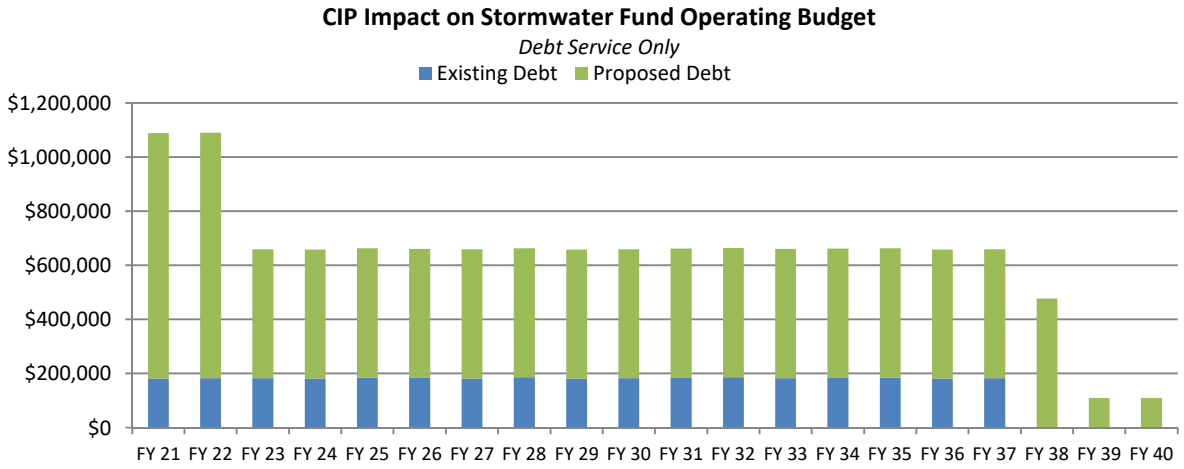


Five Year Capital Improvement Program - Impact on Stormwater Fund Operating Budget

Supporting Fund / Project		FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Stormwater Fund						
D-031	Stream Restoration	-	256,000	256,000	477,600	477,600
D-032	Stormwater Pond Retrofits		112,000	112,000	429,600	429,600
	Proposed Debt	-	368,000	368,000	907,200	907,200
	PAYGO (Capital & Maint.)	574,000	585,000	447,000	263,000	263,000
	Other Operating Costs (Savings)	-	-	-	-	-
	Total Operating Impacts	**$ 574,000**	**$ 953,000**	**$ 815,000**	**$ 1,170,200**	**$ 1,170,200**

Stormwater Fund debt service is supported by stormwater management fees and paid out of the Stormwater Fund.

Proposed bond issues in the Five-Year CIP include $5.9 million for Stream Restoration ($3.2 million in FY 2021 and $2.7 million in FY 2023) and $5.3 million for Stormwater Pond Retrofits ($1.4 million in FY 2021 and $3.9 million in FY 2023). The estimated debt service associated with these bond issues is shown above.

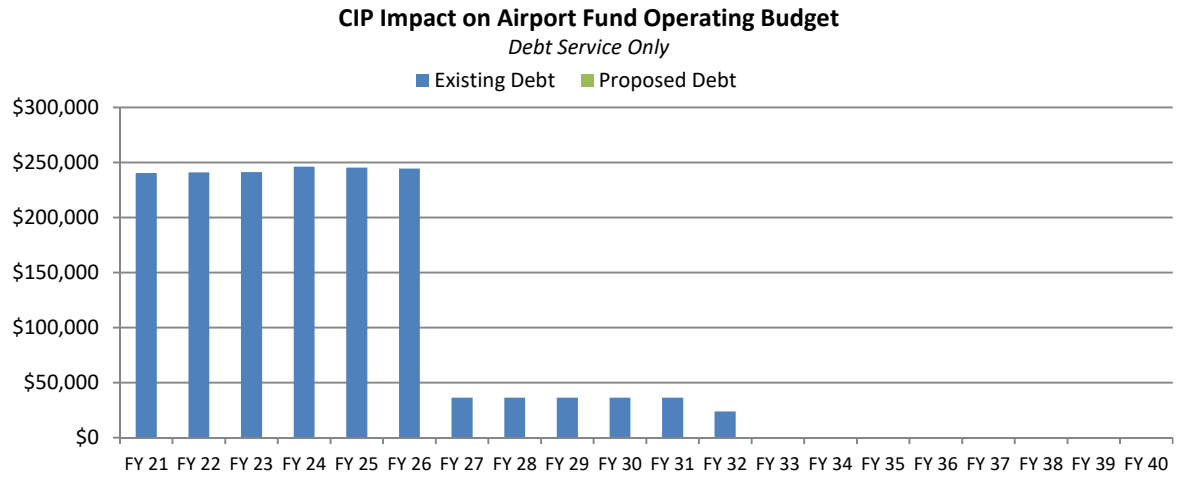


Five Year Capital Improvement Program - Impact on Airport Fund Operating Budget

Supporting Fund / Project	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Airport Fund					
Debt Service					
n/a No Bond Projects	-	-	-	-	-
Proposed Debt	-	-	-	-	-
PAYGO (Capital & Maint.)	446,000	249,000	139,000	30,000	90,000
Other Operating Costs (Savings)	(1,000)	(1,000)	(2,000)	-	(1,000)
Total Operating Impacts	**$ 445,000**	**$ 248,000**	**$ 137,000**	**$ 30,000**	**$ 89,000**

Airport Fund debt service is supported by airport rentals and leases and is paid out of the Airport Fund.

There are no bond issues for the Airport program in the Five-Year Capital Improvement Program. The only impact of the Five-Year CIP is the annual PAYGO contribution. The annual contribution fluctuates from year-to-year based on the timing of federal and state grant opportunities. These grant opportunities are the main drivers behind the timing of the projects since the Airport Fund generally only funds 2% for federally supported projects and 20% for state supported projects.



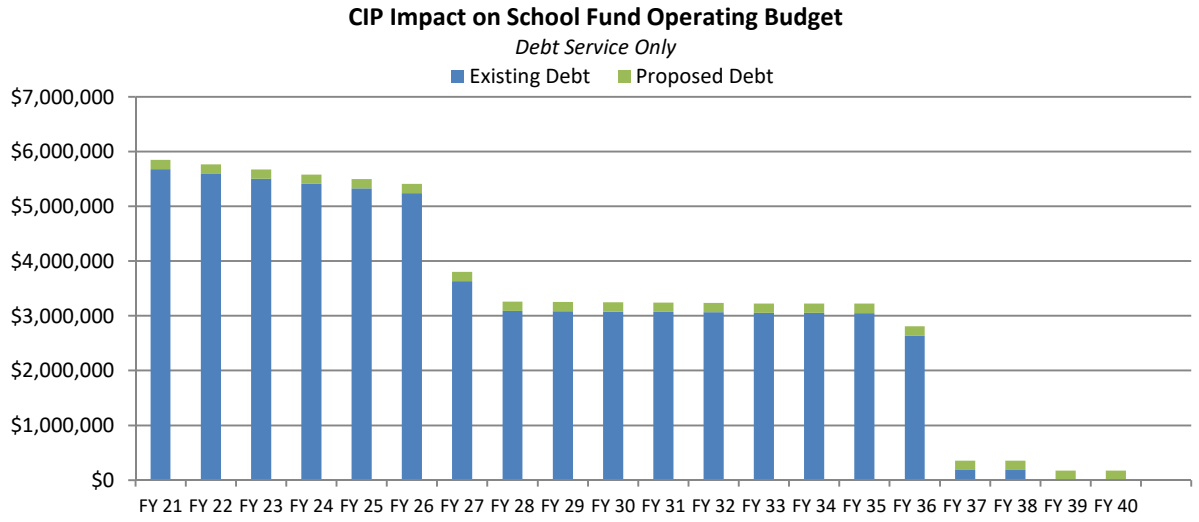
Five Year Capital Improvement Program - Impact on School Fund Operating Budget

Supporting Fund / Project	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
School Funds					
0201 Central Office Replacement	-	-	171,280	171,280	171,280
Proposed Debt	-	-	171,280	171,280	171,280
PAYGO (Capital & Maint.)	3,617,000	3,049,000	3,060,000	3,000,000	3,060,000
Other Operating Costs (Savings)	-	-	-	-	-
Total Operating Impacts	**$ 3,617,000**	**$ 3,049,000**	**$ 3,231,280**	**$ 3,171,280**	**$ 3,231,280**

School debt service is supported by tax revenue raised in the General Fund. Debt service payments are paid out of the Debt Service Fund and funded by a transfer from the School Funds.

Proposed bond issues in the Five-Year CIP includes $2.14 million in FY 2022 for Central Office Replacement. The estimated debt service associated with this bond issue is shown above.

In addition to debt service costs, the Schools Program includes an annual PAYGO contribution. The annual amount is typically $3 million.



FY 2021 Capital Projects (Dollars in Thousands)

Capital Projects are identified as projects with a cost greater than $100,000 and a useful life exceeding 10 years. Projects that do not meet these criteria, but are capital in nature, are considered Maintenance Capital Projects. While not part of the Five-Year CIP, these projects are included in the CIP in summary schedules for informational purposes.

	Proj. #	FY 2021
General Government		
City Hall	G-016	270
		270
Culture & Recreation		
Manassas Museum	C-006	3,500
Dean Park	C-017	2,400
E.G. Smith Baseball Complex	C-037	1,600
		7,500
Public Safety		
Public Safety Facility	P-015	22,500
		22,500
Transportation		
Grant Avenue (Lee Avenue to Wellington Road)	T-021	3,046
Dean Drive Extended (Existing Cul-de-sac to Animal Shelter)	T-030	240
Route 28/Nokesville Road Widening	T-042	6,191
Commercial Corridor Streetscapes	T-070	450
Gateway Boulevard Sidewalk/Trail	T-083	150
Mathis Avenue	T-086	5,658
Quarry Streetscape	T-087	250
Wellington Road Shared-Use Path Gap	T-088	844
		16,829
Sewer		
Upper Flat Branch Interceptor Replacement	S-016	435
Buckner Road Sewer Main Replacement	S-020	520
Ellicott Lane Sewer Main Replacement	S-021	400
		1,355
Water		
24" Transmission Main Replacement	W-042	3,900
		3,900

FY 2021 Capital Projects (Dollars in Thousands)

Capital Projects are identified as projects with a cost greater than $100,000 and a useful life exceeding 10 years. Projects that do not meet these criteria, but are capital in nature, are considered Maintenance Capital Projects. While not part of the Five-Year CIP, these projects are included in the CIP in summary schedules for informational purposes.

	Proj. #	FY 2021
Electric		
New Fiber Optic Loop/Ring	E-032	150
LED Streetlight Replacement	E-034	100
Manassas Airport Distribution Improvements	E-035	400
Point of Woods Substation Circuit Tie-Point	E-036	200
		850
Stormwater		
Stream Restoration	D-031	3,200
Stormwater Pond Retrofits	D-032	1,400
Alternative Stormwater BMPs	D-033	61
Public Works & Utilities Facility Retrofit	D-034	250
		4,911
Airport		
Rehabilitate and Widen Taxiway B	A-074	400
West Corporate Development Site/Drainage Improvements	A-087	1,400
Taxiway B Lighting System Upgrades	A-095	50
		1,850
Schools		
District Wide - Classroom Trailers	0101	200
District Wide - Technology Upgrades	0102	250
District Wide - School Bus Replacements	0103	486
District Wide - School Bus Additions	0105	121
Central Office - Architectural & Engineering	0202	500
Mayfield - Roof Replacement	0603	2,000
		3,557
	TOTAL	**63,522**

		FY 2021
Funding Sources		
General Fund		270
Sewer Fund		1,285
Water Fund		70
Electric Fund		1,300
Stormwater Fund		311
Airport Fund		309
School Fund		3,557
Bonds		38,700
State		5,020
Federal		10,218
NVTA		1,301
Other Sources		1,181
	TOTAL	**63,522**

G-016 City Hall

Year Introduced: 2014
Change: Expanded Scope
Associated Proj: G-022
Program Area: General Government
Managing Dept: Public Works
Manager: S. Horan
Plan Conformance:
Comprehensive Plan 7.11

Est. Start: 7/1/2015
Est. Complete:

Description:

Improvements to City Hall will include a phased modernization of the facility through multiple projects over the next 12 years including the renovation of each floor and basement, replacement of all building critical systems including electrical, lighting, fire alarm, some areas of plumbing (bathrooms), mechanical (hot water heater, HVAC, building automation), phone, audio visual, interior finishes, windows, ceiling w/ceiling grid, door, hardware, emergency generator, and roof system. All upgrades will meet ADA requirements.

Cost Estimate: ($ in 1,000s)	**Prior Years**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**	**FY 2025**	**Future**	**Total Project**
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	1,137	270	-	605	465	570	7,434	10,481
Total Cost	**1,137**	**270**	**-**	**605**	**465**	**570**	**7,434**	**10,481**
Funding Sources: ($ in 1,000s)								
General Fund	517	270	-	605	465	570	-	2,427
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	280	-	-	-	-	-	-	280
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	340	-	-	-	-	-	7,434	7,774
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**1,137**	**270**	**-**	**605**	**465**	**570**	**7,434**	**10,481**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	(11,894)	(11,894)
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**(11,894)**	**(11,894)**

C-006 Manassas Museum

Year Introduced: 2001
Change: No change
Associated Proj: C-008
Program Area: Culture & Recreation
Managing Dept: Community Development
Manager: L. Via-Gossman
Plan Conformance:
Comprehensive Plan 9.1

Est. Start: 2/11/2008
Est. Complete: 6/30/2023

Description:

Construct a small addition onto the rear of the museum for a multi-purpose space for 135 people (seated), special exhibits, and events. The addition would not impact the front lawn. The project will also add visible artifact storage/exhibit prep areas enabling the museum to cease renting off-site public storage for artifacts. The project will also include renovation of the existing exhibit areas in anticipation of the 150th anniversary celebration of the incorporation of Manassas in April 2023.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	389	-	-	-	-	-	-	389
Land	-	-	-	-	-	-	-	-
Construction	-	3,500	-	-	-	-	-	3,500
Total Cost	**389**	**3,500**	**-**	**-**	**-**	**-**	**-**	**3,889**
Funding Sources: ($ in 1,000s)								
General Fund	389	-	-	-	-	-	-	389
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	2,500	-	-	-	-	-	2,500
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	1,000	-	-	-	-	-	1,000
Total Funding	**389**	**3,500**	**-**	**-**	**-**	**-**	**-**	**3,889**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	12	12	-	24
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	(200)	(200)	(200)	(200)	(3,200)	(4,000)
Net Revenue	**-**	**-**	**(200)**	**(200)**	**(188)**	**(188)**	**(3,200)**	**(3,976)**

C-017 Dean Park

Year Introduced: 2016
Change: Decreased Estimate
Associated Proj: 1301
Program Area: Culture & Recreation
Managing Dept: Community Development
Manager: L. Via-Gossman
Plan Conformance:
Comprehensive Plan 9.1

Est. Start: 7/1/2016
Est. Complete: 6/30/2024

Description:

Enhance park facilities with additional sports fields, sports courts, and trails per the master plan and in conjunction with Dean School replacement. Prior year efforts include master planning, site plans, and cost estimates (FY19-20) and construction of a dog park (FY20).

Status: Design
Estimated Construction Start: 2021

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	264	-	-	-	-	-	-	264
Land	-	-	-	-	-	-	-	-
Construction	-	2,400	-	-	-	-	-	2,400
Total Cost	**264**	**2,400**	**-**	**-**	**-**	**-**	**-**	**2,664**
Funding Sources: ($ in 1,000s)								
General Fund	264	-	-	-	-	-	-	264
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	2,400	-	-	-	-	-	2,400
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**264**	**2,400**	**-**	**-**	**-**	**-**	**-**	**2,664**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	(192)	(192)	(192)	(192)	(3,072)	(3,840)
Net Revenue	**-**	**-**	**(192)**	**(192)**	**(192)**	**(192)**	**(3,072)**	**(3,840)**

C-037 E.G. Smith Baseball Complex

Year Introduced: 2018
Change: No change
Associated Proj: N/A
Program Area: Culture & Recreation
Managing Dept: Community Development
Manager: L. Via-Gossman
Plan Conformance:
Comprehensive Plan 9.1

Est. Start: 7/1/2018
Est. Complete: 6/30/2024

Description:

Phase 1: Make functional and safety repairs including improving drainage and safety at some of the fields, renovating or replacing certain press boxes and bleachers, replacing perimeter fencing and signage, and making parking lot improvements. A future Phase 2 project would fully renovate the ballfields and add enhanced amenities.

Status: Design
Estimated Construction Start: 2021

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	376	1,600	-	-	-	-	6,000	7,976
Total Cost	**376**	**1,600**	**-**	**-**	**-**	**-**	**6,000**	**7,976**
Funding Sources: ($ in 1,000s)								
General Fund	255	-	-	-	-	-	-	255
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	1,600	-	-	-	-	3,000	4,600
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	121	-	-	-	-	-	3,000	3,121
Total Funding	**376**	**1,600**	**-**	**-**	**-**	**-**	**6,000**	**7,976**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	(128)	(128)	(128)	(128)	(6,848)	(7,360)
Net Revenue	**-**	**-**	**(128)**	**(128)**	**(128)**	**(128)**	**(6,848)**	**(7,360)**

P-015 Public Safety Facility

Year Introduced: 2013
Change: No change
Associated Proj: T-021
Program Area: Public Safety
Managing Dept: Police
Manager: S. Horan
Plan Conformance:
Comprehensive Plan 7.3

Est. Start: 12/11/2012
Est. Complete: 6/30/2021

Description:

Construct a new facility (approx. 68,000 sq. ft.) at 9608 Grant Avenue consisting of Police Headquarters, consolidated Public Safety logistics, 911 Center, Emergency Operations Center, Fire & Rescue Administration, and the IT Department.

Status: Design
Estimated Construction Start: Summer 2020

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	1,066	-	-	-	-	-	-	1,066
Land	3,200	-	-	-	-	-	-	3,200
Construction	22,419	22,500	-	-	-	-	-	44,919
Total Cost	**26,685**	**22,500**	**-**	**-**	**-**	**-**	**-**	**49,185**
Funding Sources: ($ in 1,000s)								
General Fund	165	-	-	-	-	-	-	165
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	26,000	22,500	-	-	-	-	-	48,500
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	520	-	-	-	-	-	-	520
Total Funding	**26,685**	**22,500**	**-**	**-**	**-**	**-**	**-**	**49,185**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	(293)	(293)	(293)	(293)	(293)	(1,465)
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	(1,800)	(1,800)	(1,800)	(1,800)	(28,800)	(36,000)
Net Revenue	**-**	**-**	**(2,093)**	**(2,093)**	**(2,093)**	**(2,093)**	**(29,093)**	**(37,465)**

T-021 Grant Avenue (Lee Avenue to Wellington Road)

Year Introduced: 2000
Change: Expanded Scope
Associated Proj: P-015
Program Area: Transportation
Managing Dept: Engineering
Manager: B. Foster
Plan Conformance:
Comprehensive Plan 6.2
Old Town Sector Plan

Est. Start: 12/1/2015
Est. Complete: 6/30/2022

Description:

Reconstruct Grant Avenue between Prince William Street and Wellington Road as a two lane facility with dedicated turn lanes and median control. The project will add utility, pedestrian, and streetscape improvements and a shared use path from Wellington Road to Prince William Street. A state revenue sharing application was submitted in FY20 to leverage local funds and fund the second phase of the project from Lee Avenue to Prince William Street.

Status: Design
Estimated Construction Start: Fall 2020

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	750		-	-	-	-	-	
Land	-	506	-	-	-	-	-	506
Construction	7,191	2,540	150	-	-	-	-	9,881
Total Cost	**7,941**	**3,046**	**150**	**-**	**-**	**-**	**-**	**11,137**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	680	-	-	-	-	-	-	680
Water Fund	1,535	-	-	-	-	-	-	1,535
Electric Fund	700	250	150	-	-	-	-	1,100
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	4,000	-	-	-	-	-	-	4,000
State	-	2,796	-	-	-	-	-	2,796
Federal	-	-	-	-	-	-	-	-
NVTA	900	-	-	-	-	-	-	900
Other Sources	126	-	-	-	-	-	-	126
Total Funding	**7,941**	**3,046**	**150**	**-**	**-**	**-**	**-**	**11,137**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

T-030 Dean Drive Extended (Existing Cul-de-sac to Animal Shelter

Year Introduced: 2001
Change: Increased Estimate
Associated Proj: W-050
Program Area: Transportation
Managing Dept: Engineering
Manager: B. Foster
Plan Conformance:
Comprehensive Plan 6.3
Comprehensive Plan 7.7

Est. Start: 9/1/2015
Est. Complete: 6/30/2021

Description:

Extend and improve Dean Drive by installing curb, gutter, sidewalk, bike lanes, and drainage. This will improve access and provide economic development stimulus for industrial property along Dean Drive. It will also improve drainage at the intersection of Foster Drive and Dean Drive.

Status: Construction
Estimated Construction Start: Summer 2020

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	450	-	-	-	-	-	-	450
Land	110	40	-	-	-	-	-	150
Construction	3,094	200	-	-	-	-	-	3,294
Total Cost	**3,654**	**240**	**-**	**-**	**-**	**-**	**-**	**3,894**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	20	-	-	-	-	-	-	20
Water Fund	80	-	-	-	-	-	-	80
Electric Fund	135	-	-	-	-	-	-	135
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	1,231	-	-	-	-	-	-	1,231
Federal	-	-	-	-	-	-	-	-
NVTA	1,993	240	-	-	-	-	-	2,233
Other Sources	195	-	-	-	-	-	-	195
Total Funding	**3,654**	**240**	**-**	**-**	**-**	**-**	**-**	**3,894**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

T-042 Route 28 / Nokesville Road Widening

Year Introduced: 2004
Change: Increased Estimate
Associated Proj: W-042
Program Area: Transportation
Managing Dept: Engineering
Manager: B. Foster
Plan Conformance:
Comprehensive Plan 6.1

Est. Start: 3/1/2013
Est. Complete: 12/31/2021

Description:

Widen Route 28/Nokesville Road to 6 lanes and install a dual left turn lane from northbound Route 28 onto Godwin Drive. The project will also install streetlights on Route 28 from the 234 Bypass to the southern City limits and a shared use path along the north side of Route 28.

Status: Construction
Estimated Construction Start: Summer 2020

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	1,865	-	-	-	-	-	-	1,865
Land	832	-	-	-	-	-	-	832
Construction	9,334	6,191	-	-	-	-	-	15,525
Total Cost	**12,031**	**6,191**	**-**	**-**	**-**	**-**	**-**	**18,222**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	350	-	-	-	-	-	-	350
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	358	-	-	-	-	-	-	358
State	2,638	1,088	-	-	-	-	-	3,726
Federal	5,391	5,080	-	-	-	-	-	10,471
NVTA	-	23	-	-	-	-	-	23
Other Sources	3,294	-	-	-	-	-	-	3,294
Total Funding	**12,031**	**6,191**	**-**	**-**	**-**	**-**	**-**	**18,222**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

T-070 Commercial Corridor Streetscapes

Year Introduced: 2019
Change: Decreased Estimate
Associated Proj: T-086
Program Area: Transportation
Managing Dept: Community Development
Manager: L. Via-Gossman
Plan Conformance:
Mathis Avenue Sector Plan
Old Town Sector Plan

Est. Start: 7/1/2018
Est. Complete: 6/30/2022

Description:

Commercial Corridor Streetscape Enhancements. Plan, design, and construct streetscape enhancements within the Route 28, Mathis Avenue (T-086), and Sudley Road commercial corridors as well as within the Historic Downtown.

FY21 and FY22 projects include funding for potential streetscape improvements to West Street, the sidewalk between City Hall and Main Street, and pedestrian improvements at the intersection of Liberia Avenue and Centreville Road (T-074).

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	147	100	100	-	-	-	-	347
Land	-	-	-	-	-	-	-	-
Construction	-	350	304	-	-	-	-	654
Total Cost	**147**	**450**	**404**	**-**	**-**	**-**	**-**	**1,001**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	147	450	404	-	-	-	-	1,001
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**147**	**450**	**404**	**-**	**-**	**-**	**-**	**1,001**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

T-083 Gateway Boulevard Sidewalk/Trail

Year Introduced: 2018
Change: Increased Estimate
Associated Proj: T-081
Program Area: Transportation
Managing Dept: Engineering
Manager: B. Foster
Plan Conformance:
Comprehensive Plan 6.2
Comprehensive Plan 9.1

Est. Start: 7/1/2017
Est. Complete: 12/31/2021

Description:

Install a new 10 foot shared use path and upgrade portions of the existing sidewalk with a 10 foot asphalt shared use path along Gateway Boulevard (north side) from Wakeman Ct. to Godwin Drive. Upgrade portions of the existing sidewalk along Gateway Boulevard (south side).

Status: Design
Estimated Construction Start: Summer 2020

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	60	-	-	-	-	-	60
Land	-	40	-	-	-	-	-	40
Construction	340	50	-	-	-	-	-	390
Total Cost	**340**	**150**	**-**	**-**	**-**	**-**	**-**	**490**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	340	150	-	-	-	-	-	490
Total Funding	**340**	**150**	**-**	**-**	**-**	**-**	**-**	**490**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

T-086 Mathis Avenue

Year Introduced: 2019
Change: Increased Estimate
Associated Proj: T-070
Program Area: Transportation
Managing Dept: Econ Dev
Manager: N. Smith
Plan Conformance:
Mathis Avenue Sector Plan
Comprehensive Plan 6.3

Est. Start: 7/1/2020
Est. Complete: 6/30/2024

Description:

Reconstruct Mathis Avenue from Sudley Road to Liberia Avenue as a two lane facility with a planted median and dedicated turn lanes within the existing right-of-way. This project includes streetscape and pedestrian improvements. Local funding is avaialble to advance full design and construction of a demonstration project. Federal funds are being sought to fully fund the project.

Status: Planning

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	658	-	-	-	-	-	658
Land	-	211	-	-	-	-	-	211
Construction	-	4,789	-	-	-	-	-	4,789
Total Cost	**-**	**5,658**	**-**	**-**	**-**	**-**	**-**	**5,658**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	1,200	-	-	-	-	-	1,200
State	-	-	-	-	-	-	-	-
Federal	-	4,058	-	-	-	-	-	4,058
NVTA	-	400	-	-	-	-	-	400
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**5,658**	**-**	**-**	**-**	**-**	**-**	**5,658**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	(96)	(96)	(96)	(96)	(1,536)	(1,920)
Net Revenue	**-**	**-**	**(96)**	**(96)**	**(96)**	**(96)**	**(1,536)**	**(1,920)**

T-087 Quarry Streetscape

Year Introduced: 2020
Change: Increased Estimate
Associated Proj: T-058
Program Area: Transportation
Managing Dept: Engineering
Manager: B. Foster
Plan Conformance:
Comprehensive Plan 6.2

Est. Start: 7/1/2015
Est. Complete: 12/31/2021

Description:
Construct sidewalk, curb, and gutter and underground utilities on Quarry Street from the Messenger Place development to Main Street.

Status: Design

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	742	250	-	-	-	-	-	992
Total Cost	**742**	**250**	**-**	**-**	**-**	**-**	**-**	**992**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	200	200	-	-	-	-	-	400
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	188	-	-	-	-	-	-	188
Federal	-	-	-	-	-	-	-	-
NVTA	354	50	-	-	-	-	-	404
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**742**	**250**	**-**	**-**	**-**	**-**	**-**	**992**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

T-088 Wellington Road Shared-Use Path Gap

Year Introduced: 2021
Change: New Project
Associated Proj: N/A
Program Area: Transportation
Managing Dept: Community Development
Manager: L. Via-Gossman
Plan Conformance:
Comprehensive Plan 6.2
Comprehensive Plan 9.1
Bike & Ped. Master Plan

Est. Start: 11/15/2019
Est. Complete: 6/30/2022

Description:

Complete construction of the shared use path along Wellington Road Drive from Nokesville Road to Prince William Street. Conceptual design has been funded through a TLC grant from the Metropolitan Washington Council of Governments. Survey has been funded by VDOT. A Transportation Alternatives (TA) grant application was submitted to fully fund this project.

Status: Planning

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	32	-	-	-	-	-	32
Land	-	-	-	-	-	-	-	-
Construction	-	812	-	-	-	-	-	812
Total Cost	**-**	**844**	**-**	**-**	**-**	**-**	**-**	**844**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	675		-	-	-	-	
NVTA	-	138	-	-	-	-	-	138
Other Sources	-	31	-	-	-	-	-	31
Total Funding	**-**	**844**	**-**	**-**	**-**	**-**	**-**	**844**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

S-016 Upper Flat Branch Interceptor Replacement

Year Introduced: 2009
Change: No change
Associated Proj: D-021
Program Area: Sewer
Managing Dept: Utilities
Manager: T. Dawood
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2010
Est. Complete: 6/30/2023

Description:

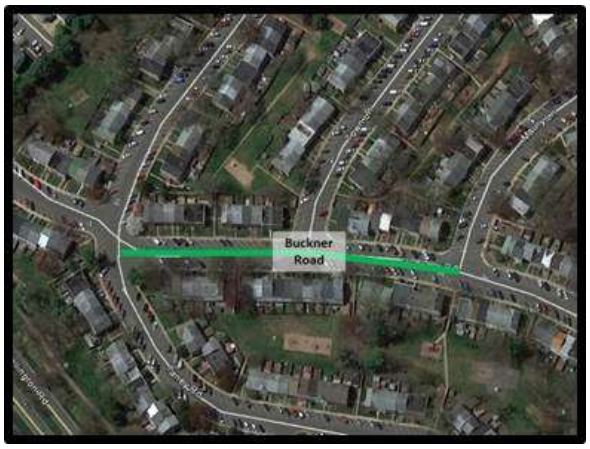
Replace sections of gravity sewer main along the Upper Flat Branch Interceptor which is currently deficient in capacity. Undersized sanitary sewer will be upsized to meet current standards, future growth, and preclude overflows.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	342	-	-	-	-	-	-	342
Land	-	-	-	-	-	-	-	-
Construction	2,888	435	-	-	-	-	-	3,323
Total Cost	**3,230**	**435**	**-**	**-**	**-**	**-**	**-**	**3,665**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	2,985	435	-	-	-	-	-	3,420
Water Fund	210	-	-	-	-	-	-	210
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	35	-	-	-	-	-	-	35
Total Funding	**3,230**	**435**	**-**	**-**	**-**	**-**	**-**	**3,665**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

S-020 Buckner Road Sewer Main Replacement

Year Introduced: 2016
Change: No change
Associated Proj: N/A
Program Area: Sewer
Managing Dept: Utilities
Manager: T. Dawood
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2020
Est. Complete: 6/30/2022



Description:

Install, repair, or replace the sewer and water main along Buckner Road from Maury Lane to Taney Road. This project will require the replacement of approximately 625 feet of sewer main and 50 laterals, which will increase reliability of service by reducing blockages and defects. Pipe material has outlasted its recommended life span.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	60	-	-	-	-	-	-	60
Land	-	-	-	-	-	-	-	-
Construction	-	520	645	-	-	-	-	1,165
Total Cost	**60**	**520**	**645**	**-**	**-**	**-**	**-**	**1,225**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	50	450	600	-	-	-	-	1,100
Water Fund	10	70	45	-	-	-	-	125
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**60**	**520**	**645**	**-**	**-**	**-**	**-**	**1,225**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

S-021 Ellicott Lane Sewer Main Replacement

Year Introduced: 2016
Change: No change
Associated Proj: N/A
Program Area: Sewer
Managing Dept: Utilities
Manager: T. Dawood
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2019
Est. Complete: 6/30/2021

Description:

Install, repair, or rehabilitate the sewer main in Ellicott Lane from Wesley Avenue to Wellington Road. This project will require the replacement of approximately 770 feet from 6" to 8" of sewer main and 13 laterals, which will increase reliability of service by reducing blockages and defects. Pipe material has outlasted its recommended life span.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	85	-	-	-	-	-	-	85
Land	-	-	-	-	-	-	-	-
Construction	100	400	-	-	-	-	-	500
Total Cost	**185**	**400**	**-**	**-**	**-**	**-**	**-**	**585**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	185	400	-	-	-	-	-	585
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**185**	**400**	**-**	**-**	**-**	**-**	**-**	**585**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

W-042 24" Transmission Main Replacement

Year Introduced: 2007
Change: Decreased Estimate
Associated Proj: T-042
Program Area: Water
Managing Dept: Utilities
Manager: T. Dawood
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2012
Est. Complete: 6/30/2025

Description:

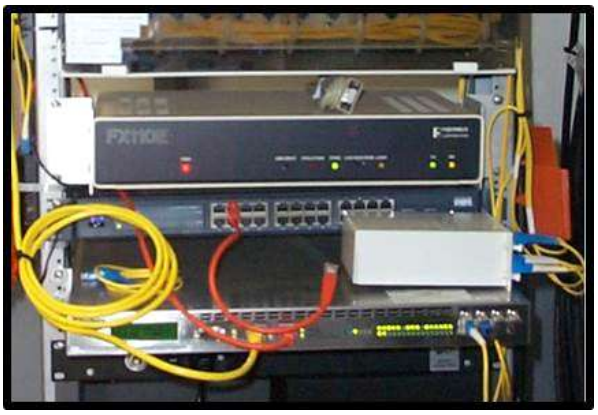
Replace the existing 45-year old water transmission main with a 36" water transmission main in order to increase reliability and water transmission capacity from the Water Treatment Plant to the City. The main is approaching the ends of its useful life and experiences unacceptable hydraulic conditions during peak demand periods. Two phases have already been completed, one phase is in construction and half completed, three more phases are in design, and the last is being planned out. The project will be coordinated with both City roadway improvements and Prince William Country roadway improvements.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	1,225	-	-	-	-	-	-	1,225
Land	-	-	-	-	-	-	-	-
Construction	15,035	3,900	-	12,800	-	-	-	31,735
Total Cost	**16,260**	**3,900**	**-**	**12,800**	**-**	**-**	**-**	**32,960**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	8,760	-	-	1,800	-	-	-	10,560
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	7,500	3,900	-	11,000	-	-	-	22,400
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**16,260**	**3,900**	**-**	**12,800**	**-**	**-**	**-**	**32,960**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	(312)	(312)	(1,192)	(1,192)	(20,832)	(23,840)
Net Revenue	**-**	**-**	**(312)**	**(312)**	**(1,192)**	**(1,192)**	**(20,832)**	**(23,840)**

E-032 New Fiber Optic Loop/Ring

Year Introduced: 2015
Change: Increased Estimate
Associated Proj: E-032
Program Area: Electric
Managing Dept: Utilities
Manager: T. Dawood
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2016
Est. Complete: 6/30/2021



Description:

Identify needs of self-healing rings/loops using fiber optic paths for priority services. Install new fiber optic cabling to provide priority services to the necessary redundancy loops/rings. This will improve reliability of critical infrastructure networks and public safety services.
FY20: VMEA to Quarry Road (28,000') and Ball Field to Micron (1,200');
FY21: Prince William Street to Buckner Road (12,100')

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	355	150	-	-	-	-	-	505
Total Cost	**355**	**150**	**-**	**-**	**-**	**-**	**-**	**505**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	355	150	-	-	-	-	-	505
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**355**	**150**	**-**	**-**	**-**	**-**	**-**	**505**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

E-034 LED Streetlight Replacement

Year Introduced: 2017
Change: No change
Associated Proj: E-034
Program Area: Electric
Managing Dept: Utilities
Manager: T. Dawood
Plan Conformance:
Comprehensive Plan 8.3

Est. Start: 7/1/2016
Est. Complete: 6/30/2024

Description:

Upgrade all Manassas City streetlights (approx. 2,800) to LED over seven years. First year activities include planning, design, and specifications of fixtures including public input and investigation of other local municipalities that have changed to LED.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	50	-	-	-	-	-	-	50
Land	-	-	-	-	-	-	-	-
Construction	300	100	100	100	100	-	-	700
Total Cost	**350**	**100**	**100**	**100**	**100**	**-**	**-**	**750**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	350	100	100	100	100	-	-	750
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**350**	**100**	**100**	**100**	**100**	**-**	**-**	**750**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

E-035 Manassas Airport Distribution Improvements

Year Introduced: 2020
Change: Increased Estimate
Associated Proj: E-035
Program Area: Electric
Managing Dept: Utilities
Manager: T. Dawood
Plan Conformance:
Comprehensive Plan 7.7.9

Est. Start: 7/1/2019
Est. Complete: 6/30/2024

Description:

The electrical distribution system at Manassas Regional Airport has been installed over time without a coordinated plan for redundancy and reliability. This project will study the new loads planned at the Airport and develop a replacement and upgrade plan for the electrical infrastructure. This will include adding switching options for redundancy and a review and upgrade of the backup generation. The design will also include adding renewable energy utility-level battery storage and a study of solar options to tie to the battery system (2023-2024).

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	75	-	-	-	-	-	-	75
Land	-	-	-	-	-	-	-	-
Construction	100	400	300	450	450	-	-	1,700
Total Cost	**175**	**400**	**300**	**450**	**450**	**-**	**-**	**1,775**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	175	400	300	450	450	-	-	1,775
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**175**	**400**	**300**	**450**	**450**	**-**	**-**	**1,775**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

E-036 Point of Woods Substation Circuit Tie-Point

Year Introduced: 2020
Change: No change
Associated Proj: E-036
Program Area: Electric
Managing Dept: Utilities
Manager: T. Dawood
Plan Conformance:
Comprehensive Plan 7.7.9

Est. Start: 7/1/2019
Est. Complete: 6/30/2021

Description:

The Point of Woods substation has no alternate feed for Circuit 203 to enable offloading the substation for maintenance. Currently, three feeders must be daisy-chained together in order to perform major maintenance at the substation. This project will design and build an alternate tie to the Airport Substation Circuit 306 to increase operational flexibility and allow maintenance at the substation without lowering reliability for customers.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	50	-	-	-	-	-	-	50
Land	-	-	-	-	-	-	-	-
Construction	250	200	-	-	-	-	-	450
Total Cost	**300**	**200**	**-**	**-**	**-**	**-**	**-**	**500**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	300	200	-	-	-	-	-	500
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**300**	**200**	**-**	**-**	**-**	**-**	**-**	**500**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

D-031 Stream Restoration

Year Introduced: 2021
Change: New Project
Associated Proj: N/A
Program Area: Stormwater
Managing Dept: Utilities
Manager: L. Kilby
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2021
Est. Complete: 6/30/2028

Description:

Restore degraded streams in the City of Manassas and within the greater watershed, per DEQ stream restoration requirements, to build TMDL pollution reduction credits required for MS4 permit compliance by 2023 and 2028 permit cycle deadlines.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	530	-	-	-	-	-	530
Land	-	-	-	-	-	-	-	-
Construction	-	2,670	-	2,770	-	-	19,860	25,300
Total Cost	**-**	**3,200**	**-**	**2,770**	**-**	**-**	**19,860**	**25,830**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	3,200	-	2,770	-	-	19,860	25,830
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**3,200**	**-**	**2,770**	**-**	**-**	**19,860**	**25,830**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	(256)	(256)	(478)	(478)	(28,457)	(29,925)
Net Revenue	**-**	**-**	**(256)**	**(256)**	**(478)**	**(478)**	**(28,457)**	**(29,925)**

D-032 Stormwater Pond Retrofits

Year Introduced: 2021
Change: New Project
Associated Proj: N/A
Program Area: Stormwater
Managing Dept: Utilities
Manager: L. Kilby
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2021
Est. Complete: 6/30/2028

Description:
Retrofit of existing City stormwater management (SWM) ponds, per DEQ wet pond requirements, to build TMDL pollution reduction credits required for MS4 permit compliance by 2023 and 2028 permit cycle deadlines.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	350	-	-	-	-	-	350
Land	-	-	-	-	-	-	-	-
Construction	10	1,050	-	3,970	-	-	-	5,030
Total Cost	**10**	**1,400**	**-**	**3,970**	**-**	**-**	**-**	**5,380**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	10	-	-	-	-	-	-	10
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	1,400	-	3,970	-	-	-	5,370
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**10**	**1,400**	**-**	**3,970**	**-**	**-**	**-**	**5,380**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	(112)	(112)	(430)	(430)	(7,509)	(8,593)
Net Revenue	**-**	**-**	**(112)**	**(112)**	**(430)**	**(430)**	**(7,509)**	**(8,593)**

D-033 Alternative Stormwater BMPs

Year Introduced: 2021
Change: New Project
Associated Proj: N/A
Program Area: Stormwater
Managing Dept: Utilities
Manager: L. Kilby
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2021
Est. Complete: 6/30/2028

Description:
Retrofit existing City SWM best management practice (BMP) facilities or construct new BMPs, per DEQ requirements, to build TMDL pollution reduction credits required for MS4 permit compliance by 2023 and 2028 permit cycle deadlines.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	15	81	84	-	-	-	180
Land	-	-	-	-	-	-	-	-
Construction	-	46	241	100	-	-	-	387
Total Cost	**-**	**61**	**322**	**184**	**-**	**-**	**-**	**567**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	61	322	184	-	-	-	567
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**61**	**322**	**184**	**-**	**-**	**-**	**567**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

D-034 Public Works & Utilities Facility Retrofit

Year Introduced: 2021
Change: New Project
Associated Proj: N/A
Program Area: Stormwater
Managing Dept: Utilities
Manager: L. Kilby
Plan Conformance:
Comprehensive Plan 7.7

Est. Start: 7/1/2021
Est. Complete: 6/30/2025

Description:

Comprehensive retrofit to address a number of outstanding pollution prevention issues related to operations in the yard, to bring the facility up to industry standards, and ensure compliance with the facility's individual VPDES permit for discharge of industrial stormwater (DEQ permit #VAR050995).

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	50	-	-	-	-	-	50
Land	-	-	-	-	-	-	-	-
Construction	-	200	-	-	-	-	-	200
Total Cost	**-**	**250**	**-**	**-**	**-**	**-**	**-**	**250**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	250	-	-	-	-	-	250
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**250**	**-**	**-**	**-**	**-**	**-**	**250**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

A-074 Rehabilitate and Widen Taxiway B

Year Introduced: 2017
Change: Increased Estimate
Associated Proj: A-074
Program Area: Airport
Managing Dept: Airport
Manager: J. Rivera
Plan Conformance:
Comprehensive Plan 6.1.4
Airport Master Plan
Airport Strategic Plan

Est. Start: 7/1/2021
Est. Complete: 12/31/2023

Description:

Taxiway B is showing signs of stress and wear and tear. The pavement has been crack sealed to extend its useful life, but it needs to be milled and overlaid. This project also includes widening the taxiway to 50 feet to accommodate the Boeing Business Jet (BBJ) and other aircraft that have outboard engines that hang over the grass when taxiing.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	400		-	-	-	-	
Land	-	-	-	-	-	-	-	-
Construction	-	-	-	4,500	-	-	-	4,500
Total Cost	**-**	**400**	**-**	**4,500**	**-**	**-**	**-**	**4,900**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	8	-	90	-	-	-	98
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	32	-	360	-	-	-	392
Federal	-	360	-	4,050	-	-	-	4,410
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**400**	**-**	**4,500**	**-**	**-**	**-**	**4,900**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

A-087 West Corporate Development Site / Drainage Improvements

Year Introduced: 2020
Change: Increased Estimate
Associated Proj: A-087
Program Area: Airport
Managing Dept: Airport
Manager: J. Rivera
Plan Conformance:

Comprehensive Plan 6.1.4
Airport Master Plan
Airport Strategic Plan

Est. Start: 9/1/2019
Est. Complete: 8/30/2022

Description:

This project would include the demolition of hangars and building facilities, draining, stormwater and grading improvements on 10 acres located on the North West side of the Airport for future development of corporate hangar facilities.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	300	-	-	-	-	-	-	300
Land	-	-	-	-	-	-	-	-
Construction	700	1,400	-	-	-	-	-	2,100
Total Cost	**1,000**	**1,400**	**-**	**-**	**-**	**-**	**-**	**2,400**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	200	300	-	-	-	-	-	500
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	800	1,100	-	-	-	-	-	1,900
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**1,000**	**1,400**	**-**	**-**	**-**	**-**	**-**	**2,400**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

A-095 Taxiway B Lighting System Upgrades

Year Introduced: 2021
Change: New Project
Associated Proj: A-074
Program Area: Airport
Managing Dept: Airport
Manager: J. Rivera
Plan Conformance:
Comprehensive Plan 6.1.4
Airport Master Plan
Airport Strategic Plan

Est. Start: 10/1/2021
Est. Complete: 12/30/2023

Description:

The lighting system for Taxiway B is over twenty years old. The system has reached its useful life and needs to be replaced. This project entails replacing the taxiway edge lights, cabling and signs with LEDs. This would include changing the transformers. This project will be done in conjunction with the Taxiway B Rehabilitation.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	50	-	-	-	-	-	50
Land	-	-	-	-	-	-	-	-
Construction	-	-	-	500	-	-	-	500
Total Cost	**-**	**50**	**-**	**500**	**-**	**-**	**-**	**550**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	1	-	10	-	-	-	11
School Fund	-	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-	-
State	-	4	-	40	-	-	-	44
Federal	-	45	-	450	-	-	-	495
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**50**	**-**	**500**	**-**	**-**	**-**	**550**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	1	-	1	-	-	-	2
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**1**	**-**	**1**	**-**	**-**	**-**	**2**

0101 District Wide - Classroom Trailers

Year Introduced: 2020
Change: No change
Associated Proj: N/A
Program Area: Schools
Managing Dept: Schools
Manager: Schools
Plan Conformance:
Comprehensive Plan 7.1

Est. Start: 7/1/2020
Est. Complete: 6/30/2025

Description:

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	-	200	250	250	-	200	-	900
Total Cost	**-**	**200**	**250**	**250**	**-**	**200**	**-**	**900**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	200	250	250	-	200	-	900
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**200**	**250**	**250**	**-**	**200**	**-**	**900**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

0102 District Wide - Technology Upgrades

Year Introduced: 2013
Change: No change
Associated Proj: N/A
Program Area: Schools
Managing Dept: Schools
Manager: Schools
Plan Conformance:
Comprehensive Plan 7.1

Est. Start: 7/1/2015
Est. Complete: 6/30/2025

Description:

Information technology infrastructure upgrades based on technology planning. The systematic replacement of network infrastructure is necessary as devices reach the end of their useful lives and become obsolete. This project will encompass the refresh of routers, switches, wireless access points, and data center major systems and components.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	-	250	200	200	200	200	-	1,050
Total Cost	**-**	**250**	**200**	**200**	**200**	**200**	**-**	**1,050**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	250	200	200	200	200	-	1,050
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**250**	**200**	**200**	**200**	**200**	**-**	**1,050**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

0103 District Wide - School Bus Replacements

Year Introduced: 2013
Change: No change
Associated Proj: N/A
Program Area: Schools
Managing Dept: Schools
Manager: Schools
Plan Conformance:
Comprehensive Plan 7.1

Est. Start: 7/1/2016
Est. Complete: 6/30/2025

Description:
Five-year replacement cycle of existing school buses as recommended by the Transportation Director.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	-	486	500	500	500	500	-	2,486
Total Cost	**-**	**486**	**500**	**500**	**500**	**500**	**-**	**2,486**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	486	500	500	500	500	-	2,486
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**486**	**500**	**500**	**500**	**500**	**-**	**2,486**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

0105 District Wide - School Bus Additions

Year Introduced: 2017
Change: No change
Associated Proj: N/A
Program Area: Schools
Managing Dept: Schools
Manager: Schools
Plan Conformance:
Comprehensive Plan 7.1

Est. Start: 7/1/2017
Est. Complete: 6/30/2025

Description:
Add school buses to the existing fleet due to local population growth and enrollment projections.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	-	121	-	125	125	125	-	496
Total Cost	**-**	**121**	**-**	**125**	**125**	**125**	**-**	**496**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	121	-	125	125	125	-	496
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**121**	**-**	**125**	**125**	**125**	**-**	**496**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

0202 Central Office - Architectural & Engineering

Year Introduced: 2021
Change: New Project
Associated Proj: N/A
Program Area: Schools
Managing Dept: Schools
Manager: Schools
Plan Conformance:
Comprehensive Plan 7.1

Est. Start: 7/1/2020
Est. Complete: 6/30/2021

Description:

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	500	-	-	-	-	-	500
Land	-	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-	-
Total Cost	**-**	**500**	**-**	**-**	**-**	**-**	**-**	**500**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	500	-	-	-	-	-	500
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**500**	**-**	**-**	**-**	**-**	**-**	**500**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

0603 Mayfield - Roof Replacement

Year Introduced: 2018
Change: No change
Associated Proj: N/A
Program Area: Schools
Managing Dept: Schools
Manager: Schools
Plan Conformance:
Comprehensive Plan 7.1

Est. Start: 7/1/2020
Est. Complete: 6/30/2021

Description:
Replace roof at Mayfield Intermediate School.

Cost Estimate: ($ in 1,000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	Future	Total Project
Planning	-	-	-	-	-	-	-	-
Land	-	-	-	-	-	-	-	-
Construction	-	2,000	-	-	-	-	-	2,000
Total Cost	**-**	**2,000**	**-**	**-**	**-**	**-**	**-**	**2,000**
Funding Sources: ($ in 1,000s)								
General Fund	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-
Electric Fund	-	-	-	-	-	-	-	-
Stormwater Fund	-	-	-	-	-	-	-	-
Airport Fund	-	-	-	-	-	-	-	-
School Fund	-	2,000	-	-	-	-	-	2,000
Bonds	-	-	-	-	-	-	-	-
State	-	-	-	-	-	-	-	-
Federal	-	-	-	-	-	-	-	-
NVTA	-	-	-	-	-	-	-	-
Other Sources	-	-	-	-	-	-	-	-
Total Funding	**-**	**2,000**	**-**	**-**	**-**	**-**	**-**	**2,000**
Operating Impacts: ($ in 1,000s)								
Revenue	-	-	-	-	-	-	-	-
Staffing (Costs) Savings	-	-	-	-	-	-	-	-
Facility (Costs) Savings	-	-	-	-	-	-	-	-
Program (Costs) Savings	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-
Net Revenue	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

FY 2021 Maintenance Capital Projects (Dollars in Thousands)

Capital Projects are identified as projects with a cost greater than $100,000 and a useful life exceeding 10 years. Projects that do not meet these criteria, but are capital in nature, are considered Maintenance Capital Projects. While not part of the Five-Year CIP, these projects are included in the CIP in summary schedules for informational purposes.

	Proj. #	FY 2021
Culture & Recreation		
School Playground Equipment Replacement	C-007	120
Harris Pavilion Improvements	C-044	100
Stonewall Pool Improvements	C-046	35
		255
Public Safety		
911 Calling System	P-026	235
		235
Transportation		
Sidewalk & Bicycle Infill	T-058	811
Traffic Signal Coordination & Upgrades	T-064	100
Supplemental Street Paving	T-066	300
Wayfinding	T-089	100
		1,311
Sewer		
Sewer Main Replacement	S-023	40
		40
Water		
Main Replacement/ Looping	W-050	495
Water Plant Improvements	W-070	200
		695
Electric		
Electric T&D Maintenance and Improvements	E-030	400
Alternative Generation Initiatives	E-031	300
Place Overhead Lines Underground (Non-Transportation)	E-033	500
Substation Capacity and Reliability Improvements	E-037	325
		1,525
Stormwater		
Stormwater/Drainage Maintenance Program	D-029	35
Floodplain Mapping Update Program	D-030	65
Drainage Maintenance & Construction	D-035	163
		263

FY 2021 Maintenance Capital Projects (Dollars in Thousands)

Capital Projects are identified as projects with a cost greater than $100,000 and a useful life exceeding 10 years. Projects that do not meet these criteria, but are capital in nature, are considered Maintenance Capital Projects. While not part of the Five-Year CIP, these projects are included in the CIP in summary schedules for informational purposes.

	Proj. #	FY 2021
Airport		
Airport Paving Program (Outside Airfield)	A-058	117
Master Plan Study	A-059	600
Airfield Paving Program	A-084	35
Air Traffic Control Tower Repairs	A-088	50
Terminal Elevator Pump Control Replacement	A-089	150
		952
	TOTAL	**5,276**

FY 2021 Maintenance Capital Projects (Dollars in Thousands)

		FY 2021
Funding Sources		
General Fund		730
Sewer Fund		40
Water Fund		695
Electric Fund		1,525
Stormwater Fund		263
Airport Fund		137
School Fund		60
Bonds		-
State		663
Federal		540
NVTA		600
Other Sources		23
	TOTAL	**5,276**

The Five-Year Capital Improvement program includes projects that the City has identified that meet the definition of a capital project. A capital project is a project with a total cost in excess of $100,000 **and** a useful life of at least 10 years. Projects that are capital in nature but do not meet this criteria are considered maintenance capital projects.

Fund / Project	CIP #	Amount
General Fund		
City Hall	G-016	270,000
Total General Fund		**270,000**
Sewer Fund		
Upper Flat Branch Interceptor Replacement	S-016	435,000
Buckner Road Sewer Main Replacement	S-020	450,000
Ellicott Lane Sewer Main Replacement	S-021	400,000
Total Sewer Fund		**1,285,000**
Water Fund		
Buckner Road Sewer Main Replacement	S-020	70,000
Total Water Fund		**70,000**
Electric Fund		
Grant Avenue (Lee Avenue to Wellington Road)	T-021	250,000
Quarry Streetscape	T-087	200,000
New Fiber Optic Loop/Ring	E-032	150,000
LED Streetlight Replacement	E-034	100,000
Manassas Airport Distribution Improvements	E-035	400,000
Point of Woods Substation Circuit Tie-Point	E-036	200,000
Total Electric Fund		**1,300,000**
Stormwater Fund		
Alternative Stormwater BMPs	D-033	61,000
Public Works & Utilities Facility Retrofit	D-034	250,000
Total Stormwater Fund		**311,000**
Airport Fund		
Rehabilitate and Widen Taxiway B	A-074	8,000
West Corporate Development Site/Drainage Improvements	A-087	300,000
Taxiway B Lighting System Upgrades	A-095	1,000
Total Airport Fund		**309,000**

The Five-Year Capital Improvement program includes projects that the City has identified that meet the definition of a capital project. A capital project is a project with a total cost in excess of $100,000 **and** a useful life of at least 10 years. Projects that are capital in nature but do not meet this criteria are considered maintenance capital projects.

Fund / Project	CIP #	Amount
School Funds		
District Wide Trailers	0101	200,000
Division Wide - Technology Upgrades	0102	250,000
District Wide - School Bus Replacements	0103	486,000
Division Wide - School Bus Additions	0105	121,000
Central Office Architectural & Engineering	0202	500,000
Mayfield Roof Replacement	0603	2,000,000
Total School Funds		**3,557,000**
Total Local Share - FY 2021 Capital Projects Pay-Go		**7,102,000**

FY 2021 Maintenance Capital Projects Pay-Go

A capital project is a project with a total cost in excess of $100,000 **and** a useful life of at least 10 years. Projects that are capital in nature but do not meet this criteria are considered maintenance capital projects. While not part of the Five-Year Capital Improvement Program (CIP), summary schedules of these projects are included in the CIP for informational purposes.

Fund / Project	CIP #	Amount
General Fund		
School Playground Equipment Replacement	C-007	60,000
Harris Pavilion Improvements	C-044	100,000
Stonewall Pool Improvements	C-046	35,000
911 Calling System	P-026	235,000
Supplemental Street Paving	T-066	300,000
Total General Fund		**730,000**
Sewer Fund		
Sewer Main Replacement	S-023	40,000
Total Sewer Fund		**40,000**
Water Fund		
Main Replacement/Looping	W-050	495,000
Water Plant Improvements	W-070	200,000
Total Water Fund		**695,000**
Electric Fund		
Underground Cable and Termination Replacement	E-030	400,000
Alternative Generation Initiatives	E-031	300,000
Place Overhead Lines Underground (Non-Transportation)	E-033	500,000
Substation Capacity and Reliability Improvements	E-037	325,000
Total Electric Fund		**1,525,000**
Stormwater Fund		
Stormwater/Drainage Maintenance Program	D-029	35,000
Floodplain Mapping Update Program	D-030	65,000
Drainage Maintenance & Construction	D-035	163,000
Total Stormwater Fund		**263,000**

FY 2021 Maintenance Capital Projects Pay-Go

A capital project is a project with a total cost in excess of $100,000 **and** a useful life of at least 10 years. Projects that are capital in nature but do not meet this criteria are considered maintenance capital projects. While not part of the Five-Year Capital Improvement Program (CIP), summary schedules of these projects are included in the CIP for informational purposes.

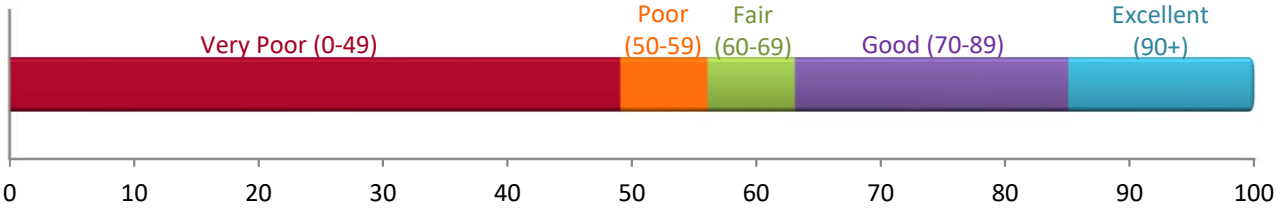
Fund / Project	CIP #	Amount
Airport Fund		
Airport Paving Program (Outside Airfield)	A-058	23,000
Master Plan Study	A-059	12,000
Airfield Paving Program	A-084	7,000
Air Traffic Control Tower Repairs	A-088	50,000
Terminal Elevator Pump Control Replacement	A-089	45,000
Total Airport Fund		**137,000**
School Fund		
School Playground Equipment Replacement	C-007	60,000
		60,000
Total Local Share - FY 2021 Maintenance Capital Projects Pay-Go		**3,450,000**

The industry standard for paving roads is every 15-20 years. The City has advanced its efforts to achieve a targeted 16.2 year paving cycle goal. The City aims to achieve an average paving rate of 60. Several factors are taken into consideration when scheduling paving including pavement ratings as determined by the CCI (Critical Condition Index).

Street Name and Section	Rating	Sq. Yards	Amount
Wellington Road (Dean Drive to Amaryllis Avenue)	15	11,556	139,799
Wellington Road (Berkshire Street to Dean Drive)	15	11,556	139,799
Wellington Road (Turn Lanes)	NA	3,467	41,940
Rolling Road (Sudley Road to Country Lane)	20	7,822	94,633
Rolling Road (Country Lane to Ashton Avenue)	20	10,267	124,206
Godwin Drive (Nokesville Road to Wellington Road)	21	18,778	271,790
Godwin Drive (Wellington Road to Sudley Road)	21	18,800	272,111
Godwin Drive (Turn Lanes)	NA	6,013	87,037
Concrete (associated with paving above streets)	NA	NA	128,685
Total Local Share - FY 2021 Street Paving Program			**1,300,000**

The City has $1.3 million in funding for street paving/resurfacing including $1 million in the Public Works General Fund operating budget and $300,000 in the Supplemental Street Paving maintenance capital project.

VDOT PAVEMENT RATINGS - CCI INDEX



The Vehicle Maintenance Fund purchases all vehicles for the City of Manassas **with the exception of fire engines and ambulances (apparatus)**. Factors taken into consideration for determining replacement are age, mileage, and general vehicle condition. Utility and Airport funds reimburse the Vehicle Maintenance Fund for vehicle replacements directly whereas other departments pay higher support costs to fund future vehicle replacements. The Fire and Rescue Fund fully funds the replacement of apparatus.

Description (Vehicle #)	Quantity	Unit Cost	Amount
Police Sedan (PD26)	1	35,000	35,000
Police Utility (PD 30, 32, 62, 63, 68)	5	50,000	250,000
Police F250 4X4 Ext Cab (PD 10)	1	35,000	35,000
Police Chevy Spark (PD 24, 25, 71, 72)	4	15,000	60,000
Public Works Ford Ranger Crew Cab (A6)	1	30,000	30,000
Buildings F250 Ext Cab Utility (A12)	1	45,000	45,000
Parks Tractor (R9)	1	38,000	38,000
Streets Dump Truck/Plow/Spreader (S11)	1	155,000	155,000
Streets F450 4X4 Dump Truck/Plow/Spreader (S59)	1	65,600	65,600
Total Vehicle Maintenance Fund	**16**		**713,600**
Water Dosan Light Tower (W40)	1	9,000	9,000
Water F150 4X4 Reg Cab (W36)	1	28,000	28,000
Water F150 2WD Reg Cab (W42)	1	25,000	25,000
Electric F250 4X4 Ext Cab Plow (E45)	1	38,000	38,000
Electric 2WD Ranger (E33)	1	27,000	27,000
Electric F250 4X4 Ext Cab Long Bed Utility (E31)	1	49,000	49,000
Electric Derrik Digger Truck (E7)	1	300,000	300,000
Total Utility Funds	**7**		**476,000**
Total Local Share - FY 2021 Vehicles	**23**		**1,189,600**

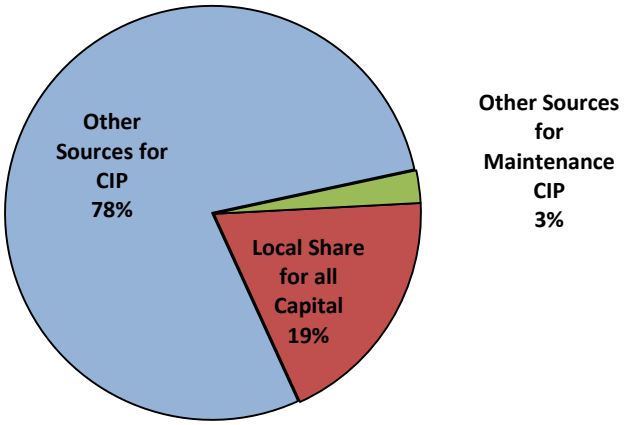
The City identifies a capital asset as a tangible or intangible asset that has an initial useful life of more than one year and has an initial cost of $5,000 or more. The cost of a capital asset includes all necessary charges incurred to acquire or construct an asset. In the case of computers, these devices are not capitalized individually; instead the entire computer system is treated as a single capital asset.

Fund / Equipment Description	Amount
Fire and Rescue Fund	
EMS Equipment Replacement	30,000
Total Fire and Rescue Fund	**30,000**
PEG Fund	
PEG Channel Broadcasting Equipment	150,000
Total PEG Fund	**150,000**
Water Fund	
Source Water Protection Sampling Equipment	40,000
Total Water Fund	**40,000**
Electric Fund	
Vehicle Charging Station Upgrades (2)	15,000
Prince William Water Tower Generator Replacement	50,000
Smoke Stacks Replacement (2 per year)	40,000
SQL Server Replacement	12,000
Total Electric Fund	**117,000**
Airport Fund	
Lighted X for Runway and Taxiway Closures	25,000
Total Airport Fund	**25,000**
Solid Waste Fund	
Leaf Box Replacement	7,000
Total Solid Waste Fund	**7,000**
Building Maintenance Fund	
City Hall Mechanical Room HVAC Replacement	40,000
City Hall Exterior Lighting Replacement (LED)	25,000
PW&UT Exterior Lighting Replacement (LED)	25,000
Harris Pavilion Exterior Lighting Replacement (LED)	10,000
Total Building Maintenance Fund	**100,000**

The City identifies a capital asset as a tangible or intangible asset that has an initial useful life of more than one year and has an initial cost of $5,000 or more. The cost of a capital asset includes all necessary charges incurred to acquire or construct an asset. In the case of computers, these devices are not capitalized individually; instead the entire computer system is treated as a single capital asset.

Fund / Equipment Description	Amount
Vehicle Maintenance Fund	
Bay 4 Vehicle Lift Replacement	20,000
Total Vehicle Maintenance Fund	**20,000**
Information Technology Fund	
Servers	30,000
Anticipated Mid-Year Purchase Requests	50,000
Utility Billing Upgrade	40,000
Total Information Technology Fund	**120,000**
Total Local Share - FY 2021 Capital Equipment (Purchases)	**609,000**

FY 2021 Capital Program Expenditure Summary	
Capital Projects Pay-Go	7,102,000
Maintenance Capital Projects Pay-Go	3,150,000
Street Paving	1,300,000
Vehicles	1,189,600
Equipment Purchases	609,000
Total Local Share	**13,350,600**
Other Sources for Capital Projects	56,420,000
Other Sources for Maintenance Capital Projects	1,826,000
Virginia Railway Express	320,000
Total Other Sources	**58,566,000**
TOTAL	**71,916,600**



The City's General Obligation Debt ratings with Moody's Investors Service and Standard and Poor's Rating Services are **Aa1 (Moody's Investor Services)** and **AAA (Standard & Poor's)**.

The ratings were affirmed in April 2019. Remarks from the ratings include:

- Strong economy, with access to a broad and diverse metropolitan statistical area
- Very strong management, with strong financial policies and practices
- Strong budgetary performance, with operating surpluses in the general fund and at the total governmental fund level in fiscal 2018
- Very strong budgetary flexibility, with an available fund balance in fiscal 2018 of 29% of operating expenditures
- Very strong liquidity, with total government available cash at 96.5% of total governmental fund expenditures and 12.4% governmental debt service, and access to external liquidity considered strong
- Very strong institutional framework score
- Ongoing economic expansion driving moderate growth in taxable values
- Improving financial position supported by formal fiscal policies and improved revenue growth trends

Moody's Investor Services Rating Scales

Aaa	• Obligations rated Aaa are judged to be of the highest quality, subject to the lowest level of credit risk
Aa	• Obligations rated Aa are judged to be of high quality and are subject to very low credit risk
A	• Obligations rated A are judged to be upper-medium grade and are subject to low credit risk
Baa	• Obligations rated Baa are judged to be medium-grade and subject to moderate credit risk and as such may possess certain speculative characteristics
Ba	• Obligations rated Ba are judged to be speculative and are subject to substantial credit risk
B	• Obligations rated B are considered speculative and are subject to high credit risk
Caa	• Obligations rated Caa are judged to be speculative of poor standing and are subject to very high credit risk
Ca	• Obligations rated Ca are highly speculative and are likely in, or very near, default, with some prospect of recovery of principal and interest
C	• Obligations rated C are the lowest rated and are typically in default, with little prospect for recovery of principal or interest

Moody's appends numerical modifiers 1, 2, and 3 to each generic rating classification from Aa through Caa. Modifier 1 indicates that the obligation ranks in the higher end of its generic rating category.

City's S&P Rating AAA

City's Moody's Rating Aa1

Standard & Poor's Rating Scale

AAA	• Extremely strong capacity to meet financial commitments. Highest Rating
AA	• Very strong capacity to meet financial commitments
A	• Strong capacity to meet financial commitments, but somewhat susceptible to adverse economic conditions and changes in circumstance
BBB	• Adequate capacity to meet financial commitments, but more subject to adverse economic conditions
BB	• Less vulnerable in the near-term but faces major ongoing uncertainties to adverse business, financial and economic conditions
CCC	• Currently vulnerable and dependent on favorable business, financial and economic conditions to meet financial commitments
CC	• Highly vulnerable; default has not yet occurred, but it is expected to be a virtual certainty
C	• Currently highly vulnerable to non-payment, and ultimate recovery is expected to be lower than that of higher rates obligations

S& P ratings may be modified by the addition of a plus (+) or minus (-) sign to show relative standing within the major category rating.

STATE DEBT LIMITS

Pursuant to the Constitution of Virginia and the Public Finance Act of 1991, a City in Virginia is authorized to issue bonds and notes secured by the pledge of its full faith and credit. The Constitution and the Public Finance Act limit the indebtedness which may be incurred by cities to 10% of the assessed valuation of real estate subject to local taxation.

Legal Debt Margin Calculation for June 30, 2020

Assessed value of taxable real property as of January 1, 2019	$	5,063,746,000
Debt Limit - 10% of assessed valuation		506,374,600
Direct Debt outstanding chargeable to debt limit at June 30, 2020		138,146,971
Legal Debt Margin Remaining	$	368,227,629

Total Net Debt Applicable to Limit as a Percent of Debt Limit

2013	2014	2015	2016	2017	2018	2019	2020
18.51%	19.19%	24.26%	21.54%	23.97%	21.60%	21.60%	27.28%

CITY DEBT LIMITS (PER POLICY)

The City's Debt Policy is outlined as part of it's Financial Policies.

• Net debt as a percentage of estimated market value of taxable real property shall not exceed 3.0%. Net debt is defined as any and all debt that is tax-supported. Should this ratio exceed 3%, staff must request an exception from the City Council stating the justification and expected duration of the policy exemption.

As of August 31, 2016, this ratio was 1.90%, which is within the policy limit.

• Debt service expenditures a percentage of total governmental fund expenditures shall not exceed 15.0%. Should this ratio exceed 15%, staff must request an exception from the City Council stating the justification and expected duration of the policy exception.

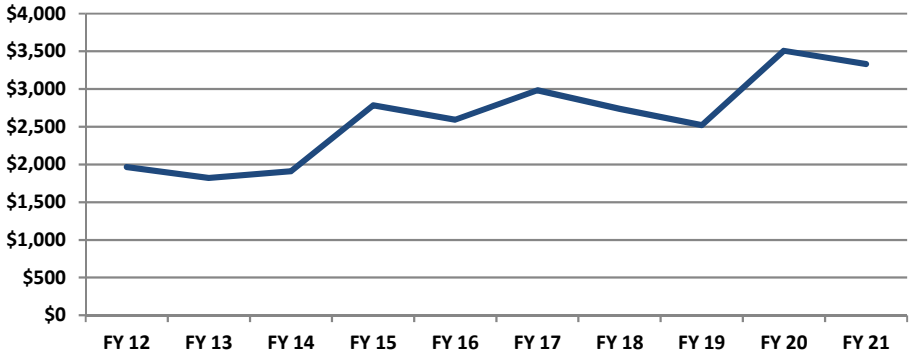
As of August 31, 2016, this ratio was 7.0%, which is within the policy limit.

• Payout of aggregate outstanding tax-supported debt principal shall be no less than 50% repaid in 10 years. Should this ratio fall below 50%, staff must request an exception from the City Council stating the justification and expected duration of the policy exception.

As of August 31, 2016, the 10-year payout ratio was 62.1%, which is within the policy limit.

OUTSTANDING DEBT SUPPORTED BY TAXPAYERS PER CAPITA

Year Begin.	Amount
FY 12	$ 1,967
FY 13	$ 1,821
FY 14	$ 1,909
FY 15	$ 2,783
FY 16	$ 2,595
FY 17	$ 2,986
FY 18	$ 2,736
FY 19	$ 2,523
FY 20	$ 3,509
FY 21	$ 3,332



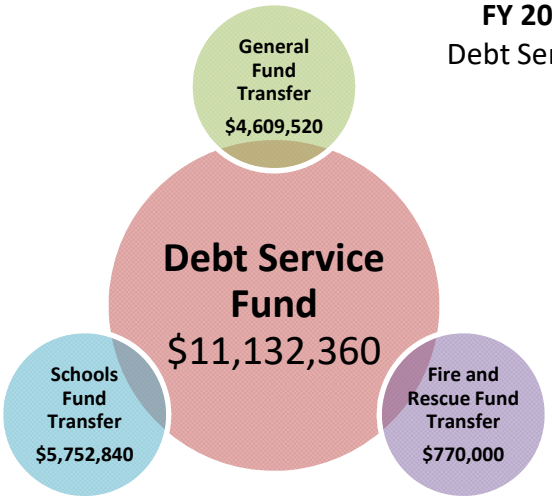
Source: 2019 Comprehensive Annual Financial Report (FY12-18)
Estimated by Budget Office (FY19-21)

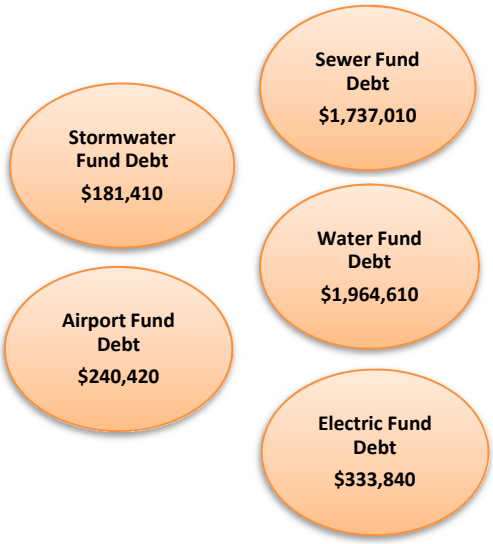
Debt per capita above reflects all general obligation bonds, both tax-supported and enterprise fund supported in accordance with the reporting requirements of the Comprehensive Annual Financial Report (CAFR).

DEBT OVERVIEW

The City will have $138,146,971 (principal only) of outstanding bonded debt as of June 30, 2020. The Enterprise Funds (Sewer, Water, Electric, Airport, and Stormwater) pay the debt service on the bonds related to their function. Of the total debt principal, $45,193,931, or 33%, is enterprise debt. The remaining debt principal of $92,953,040 is supported by the taxpayers via the General Fund, Fire and Rescue Fund and School Funds. This tax-supported debt is paid out of the Debt Service Fund through transfers from the respective governmental funds and enterprise debt is paid directly from the appropriate enterprise funds. The per capita outstanding bond principal supported by taxpayers as of June 30, 2020 will be $3,332 - of this only $2,242 is related to the tax-supported debt of governmental funds.

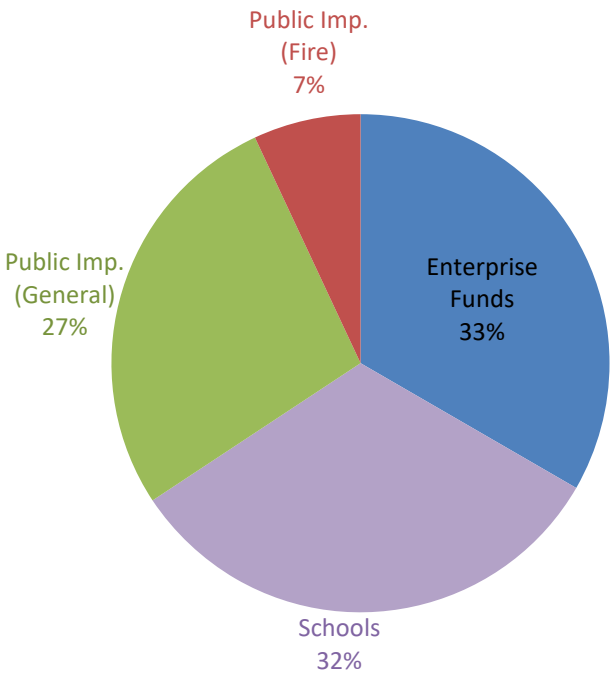
FY 2021 Budget
Debt Service by Fund





OUTSTANDING DEBT

	Principal	Interest	Total
FY 2021	9,260,558	5,509,641	14,770,199
FY 2022	9,481,029	5,100,958	14,581,987
FY 2023	9,546,507	4,634,146	14,180,653
FY 2024	9,851,992	4,158,270	14,010,262
FY 2025	10,157,485	3,662,352	13,819,837
FY 2026	8,922,985	3,203,310	12,126,295
FY 2027	7,653,493	2,803,601	10,457,094
FY 2028	7,924,009	2,438,367	10,362,376
FY 2029	6,944,533	2,113,476	9,058,009
FY 2030	7,125,065	1,826,384	8,951,449
FY 2031	6,955,605	1,536,386	8,491,991
FY 2032	6,843,710	1,278,582	8,122,292
FY 2033	7,000,000	1,042,328	8,042,328
FY 2034	7,165,000	810,031	7,975,031
FY 2035	6,395,000	583,925	6,978,925
FY 2036	4,040,000	438,463	4,478,463
FY 2037	4,100,000	327,537	4,427,537
FY 2038	2,875,000	227,657	3,102,657
FY 2039	2,930,000	138,750	3,068,750
FY 2040	2,975,000	46,484	3,021,484
	$138,146,971	**$41,880,649**	**$180,027,620**



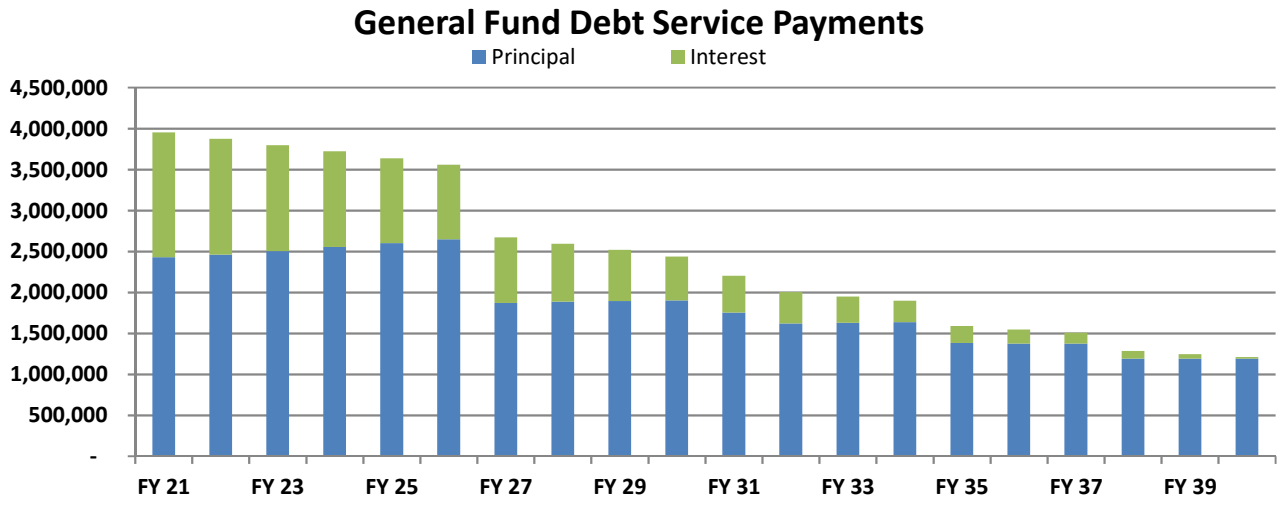
Public Improvement Bonds - General Fund Debt Service

The General Fund Debt Service for FY 2021 will be $3,950,535 reflecting an increase of $1,487,895 or 60.4% from prior year debt service. This increase is due to this being the first full year of payments on the May, 2019 Series 2019 bond issue. General Fund debt service is tax-supported debt. The General Fund will transfer $4,609,520 to the Debt Service Fund in FY 2021, approximately $600K above current debt service to build future debt capacity.

FY 2021 General Fund debt issue payments are as follows:

		Amount	Pay Off Year
Series 2010 D	$	174,930	FY 2025
Series 2016 Refunding	$	812,520	FY 2026
Series 2010 VML/VACO	$	187,828	FY 2030
Series 2014 C Refunding	$	41,049	FY 2031
Series 2014 A	$	268,564	FY 2034
Series 2016	$	285,131	FY 2037
Series 2019	$	2,180,513	FY 2040

Year	Principal	Interest	Total	Year	Principal	Interest	Total
FY 2021	2,429,860	1,520,675	3,950,535	FY 2031	1,750,720	450,713	2,201,433
FY 2022	2,458,250	1,413,581	3,871,831	FY 2032	1,617,520	383,005	2,000,525
FY 2023	2,504,010	1,290,908	3,794,918	FY 2033	1,625,980	323,404	1,949,384
FY 2024	2,554,180	1,165,910	3,720,090	FY 2034	1,634,440	263,287	1,897,727
FY 2025	2,599,940	1,036,561	3,636,501	FY 2035	1,380,000	208,319	1,588,319
FY 2026	2,648,880	908,706	3,557,586	FY 2036	1,375,000	169,125	1,544,125
FY 2027	1,871,230	798,439	2,669,669	FY 2037	1,375,000	130,006	1,505,006
FY 2028	1,883,320	709,270	2,592,590	FY 2038	1,190,000	92,225	1,282,225
FY 2029	1,894,670	622,099	2,516,769	FY 2039	1,190,000	55,781	1,245,781
FY 2030	1,900,160	536,214	2,436,374	FY 2040	1,190,000	18,594	1,208,594
	22,744,500	**10,002,363**	**32,746,863**		**14,328,660**	**2,094,458**	**16,423,118**
				Total	**$ 37,073,160**	**$ 12,096,821**	**$ 49,169,981**



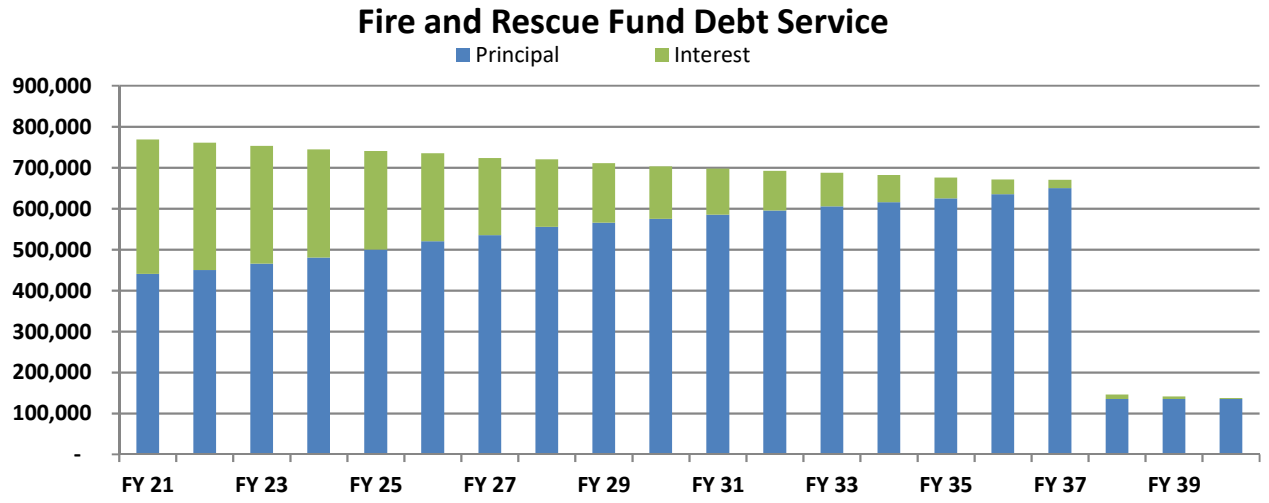
Public Improvement Bonds - Fire and Rescue Fund Debt Service

The Fire and Rescue Fund Debt Service for FY 2021 will be $768,744, reflecting an increase of $173,931 or 22.6% from prior year debt service. This increase is due to this being the first full year of payments on the May, 2019 Series 2019 bond issue. Fire and Rescue Fund debt service is tax-supported debt.

FY 2021 Fire and Rescue Fund debt issue payments are as follows:

		Amount	Pay Off Year
Series 2016	$	522,200	FY 2037
Series 2019	$	246,544	FY 2040

Year	Principal	Interest	Total	Year	Principal	Interest	Total
FY 2021	440,000	328,744	768,744	FY 2031	585,000	112,394	697,394
FY 2022	450,000	311,069	761,069	FY 2032	595,000	97,219	692,219
FY 2023	465,000	288,194	753,194	FY 2033	605,000	82,225	687,225
FY 2024	480,000	264,569	744,569	FY 2034	615,000	66,431	681,431
FY 2025	500,000	240,069	740,069	FY 2035	625,000	50,794	675,794
FY 2026	520,000	214,569	734,569	FY 2036	635,000	35,691	670,691
FY 2027	535,000	188,194	723,194	FY 2037	650,000	20,306	670,306
FY 2028	555,000	165,144	720,144	FY 2038	135,000	10,463	145,463
FY 2029	565,000	145,644	710,644	FY 2039	135,000	6,328	141,328
FY 2030	575,000	128,044	703,044	FY 2040	135,000	2,109	137,109
	5,085,000	**2,274,240**	**7,359,240**		**4,715,000**	**483,960**	**5,198,960**
				Total	**$ 9,800,000**	**$ 2,758,200**	**$ 12,558,200**



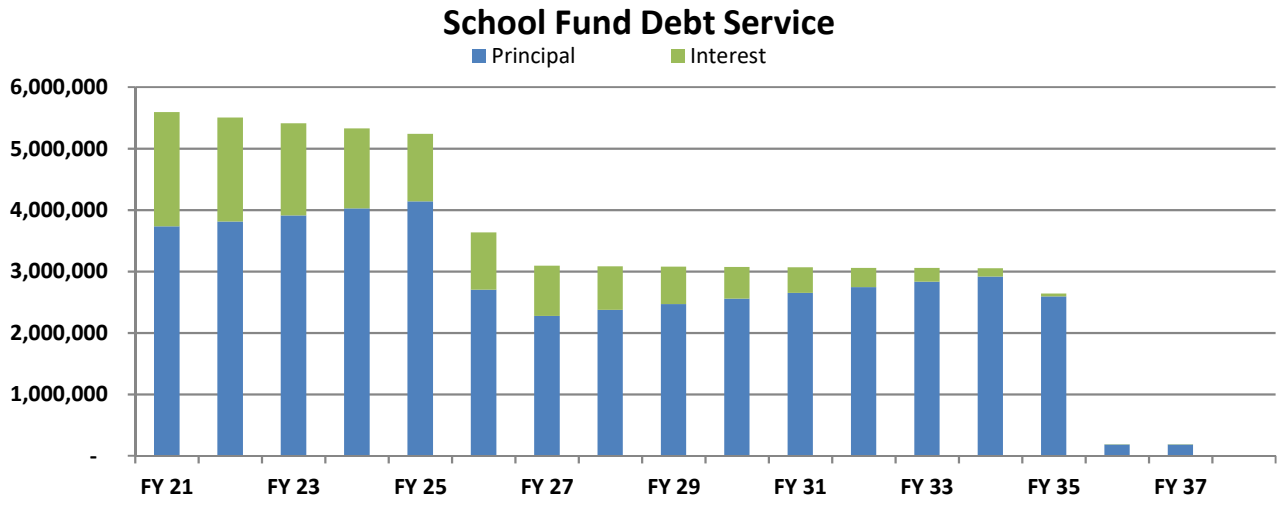
School Bonds - Schools Funds

The Schools Debt Service for FY 2021 will be $5,593,671, reflecting a decrease of $86,138 or 1.5% from prior year debt service. This decrease is due annual roll-off. Schools debt service is tax-supported debt. The Schools will transfer $5,752,840 to the Debt Service Fund in FY 2021, approximately $159K above current debt service to build future debt capacity.

FY 2021 Schools debt issue payments are as follows:

		Amount	Pay Off Year
Series 2010 D - Refunding	$	1,910,250	FY 2025
Series 2016 - Refunding	$	284,475	FY 2026
Series 2014 A	$	410,466	FY 2034
Series 2014 C	$	2,446,800	FY 2035
Series 2016	$	541,680	FY 2037

Year	Principal	Interest	Total	Year	Principal	Interest	Total
FY 2021	3,732,980	1,860,691	5,593,671	FY 2030	2,556,955	513,948	3,070,903
FY 2022	3,810,600	1,693,761	5,504,361	FY 2031	2,649,885	416,805	3,066,690
FY 2023	3,910,530	1,501,056	5,411,586	FY 2032	2,740,660	315,559	3,056,219
FY 2024	4,024,615	1,303,055	5,327,670	FY 2033	2,833,590	221,487	3,055,077
FY 2025	4,139,545	1,099,274	5,238,819	FY 2034	2,916,520	135,453	3,051,973
FY 2026	2,699,165	934,513	3,633,678	FY 2035	2,590,000	46,275	2,636,275
FY 2027	2,273,940	816,618	3,090,558	FY 2036	180,000	6,075	186,075
FY 2028	2,372,560	708,900	3,081,460	FY 2037	180,000	2,025	182,025
FY 2029	2,468,335	608,123	3,076,458				
	29,432,270	**10,525,991**	**39,958,261**		**16,647,610**	**1,657,627**	**18,305,237**
				Total	**$ 46,079,880**	**$ 12,183,618**	**$ 58,263,498**



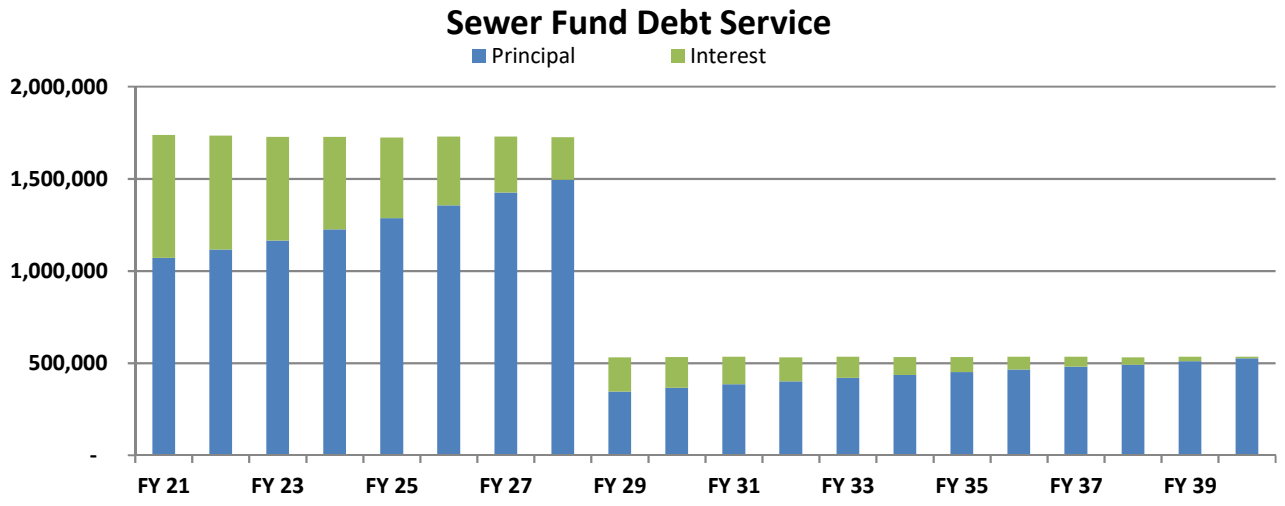
Sewer Bonds - Sewer Fund Debt Service

The Sewer Fund Debt Service for FY 2021 will be $1,737,000, reflecting an increase of $332,096 or 23.6% from prior year debt service. This increase is due to this being the first full year of payments on the May, 2019 Series 2019 bond issue. Sewer Fund debt service is supported by sewer utility rates. The debt service schedule for the Sewer Fund does not include UOSA Debt.

FY 2021 Sewer Fund debt issue payments are as follows:

	Amount	Pay Off Year
Series 2014 C - Refunding	$ 1,202,863	FY 2028
Series 2019	$ 534,138	FY 2040

Year	Principal	Interest	Total	Year	Principal	Interest	Total
FY 2021	1,070,000	667,000	1,737,000	FY 2031	385,000	148,138	533,138
FY 2022	1,115,000	618,638	1,733,638	FY 2032	400,000	130,513	530,513
FY 2023	1,165,000	561,638	1,726,638	FY 2033	420,000	114,113	534,113
FY 2024	1,225,000	501,888	1,726,888	FY 2034	435,000	97,013	532,013
FY 2025	1,285,000	439,138	1,724,138	FY 2035	450,000	81,563	531,563
FY 2026	1,355,000	373,138	1,728,138	FY 2036	465,000	68,128	533,128
FY 2027	1,425,000	303,638	1,728,638	FY 2037	480,000	54,244	534,244
FY 2028	1,495,000	230,638	1,725,638	FY 2038	490,000	39,694	529,694
FY 2029	345,000	184,638	529,638	FY 2039	510,000	24,375	534,375
FY 2030	365,000	166,888	531,888	FY 2040	525,000	8,203	533,203
	10,845,000	**4,047,238**	**14,892,238**		**4,560,000**	**765,981**	**5,325,981**
				Total	**$ 15,405,000**	**$ 4,813,219**	**$ 20,218,219**



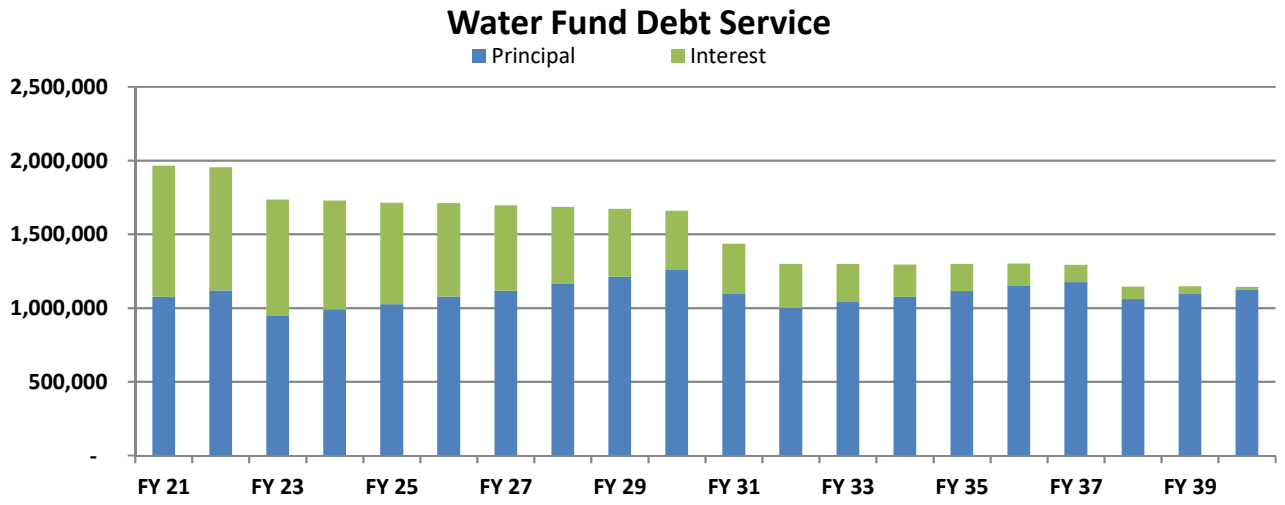
Water Bonds - Water Fund Debt Service

The Water Fund Debt Service for FY 2021 will be $1,964,600, reflecting an increase of $692,655 or 54.5% from prior year debt service. This increase is due to this being the first full year of payments on the May, 2019 Series 2019 bond issue. Water Fund debt service is supported by water utility rates.

FY 2021 Water Fund debt issue payments are as follows:

		Amount	Pay Off Year
Series 2009 VRA - Refunding	$	210,759	FY 2022
Series 2010 D	$	168,070	FY 2025
Series 2010 VML/VACO	$	248,981	FY 2030
Series 2014 C - Refunding	$	39,439	FY 2031
Series 2016	$	153,675	FY 2037
Series 2019	$	1,143,675	FY 2040

Year	Principal	Interest	Total	Year	Principal	Interest	Total
FY 2021	1,075,700	888,900	1,964,600	FY 2031	1,094,750	341,320	1,436,070
FY 2022	1,118,950	836,651	1,955,601	FY 2032	1,000,000	298,000	1,298,000
FY 2023	949,650	786,358	1,736,008	FY 2033	1,040,000	259,863	1,299,863
FY 2024	990,350	739,462	1,729,812	FY 2034	1,075,000	220,100	1,295,100
FY 2025	1,026,050	688,114	1,714,164	FY 2035	1,115,000	183,644	1,298,644
FY 2026	1,076,750	634,623	1,711,373	FY 2036	1,150,000	151,400	1,301,400
FY 2027	1,117,450	577,815	1,695,265	FY 2037	1,175,000	118,256	1,293,256
FY 2028	1,166,000	520,030	1,686,030	FY 2038	1,060,000	85,275	1,145,275
FY 2029	1,211,700	461,655	1,673,355	FY 2039	1,095,000	52,266	1,147,266
FY 2030	1,256,850	402,314	1,659,164	FY 2040	1,125,000	17,578	1,142,578
	10,989,450	**6,535,920**	**17,525,370**		**10,929,750**	**1,727,701**	**12,657,451**
				Total	**$ 21,919,200**	**$ 8,263,622**	**$ 30,182,822**



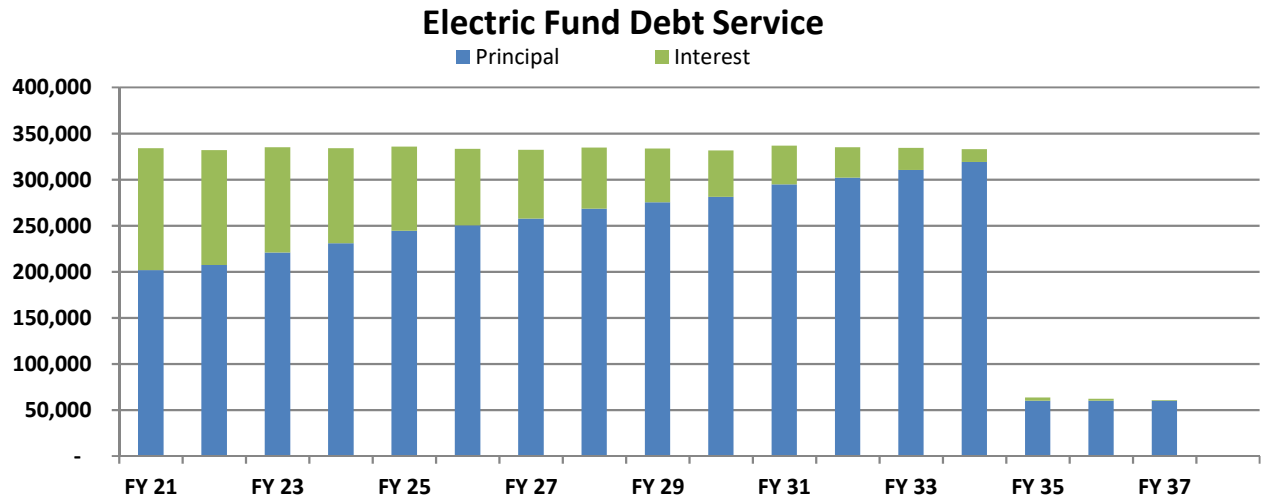
Electric Bonds - Electric Fund Debt Service

The Electric Fund Debt Service for FY 2021 will be $333,833, reflecting a minor increase of $219 or 0.1% from the prior year debt service. Electric Fund debt service is supported by electric utility rates.

FY 2021 Electric Fund debt issue payments are as follows:

		Amount	Pay Off Year
Series 2014 A	$	273,326	FY 2034
Series 2016	$	60,506	FY 2037

Year	Principal	Interest	Total	Year	Principal	Interest	Total
FY 2021	201,460	132,373	333,833	FY 2030	281,035	50,357	331,392
FY 2022	207,200	124,489	331,689	FY 2031	294,645	42,087	336,732
FY 2023	220,810	114,004	334,814	FY 2032	301,820	33,199	335,019
FY 2024	230,855	102,964	333,819	FY 2033	310,430	23,734	334,164
FY 2025	244,465	91,296	335,761	FY 2034	319,040	13,910	332,950
FY 2026	250,205	83,062	333,267	FY 2035	60,000	3,375	63,375
FY 2027	257,380	74,656	332,036	FY 2036	60,000	2,025	62,025
FY 2028	268,120	66,409	334,529	FY 2037	60,000	675	60,675
FY 2029	275,295	58,366	333,661				
	2,155,790	**847,619**	**3,003,409**		**1,686,970**	**169,362**	**1,856,332**
				Total	**$ 3,842,760**	**$ 1,016,981**	**$ 4,859,741**



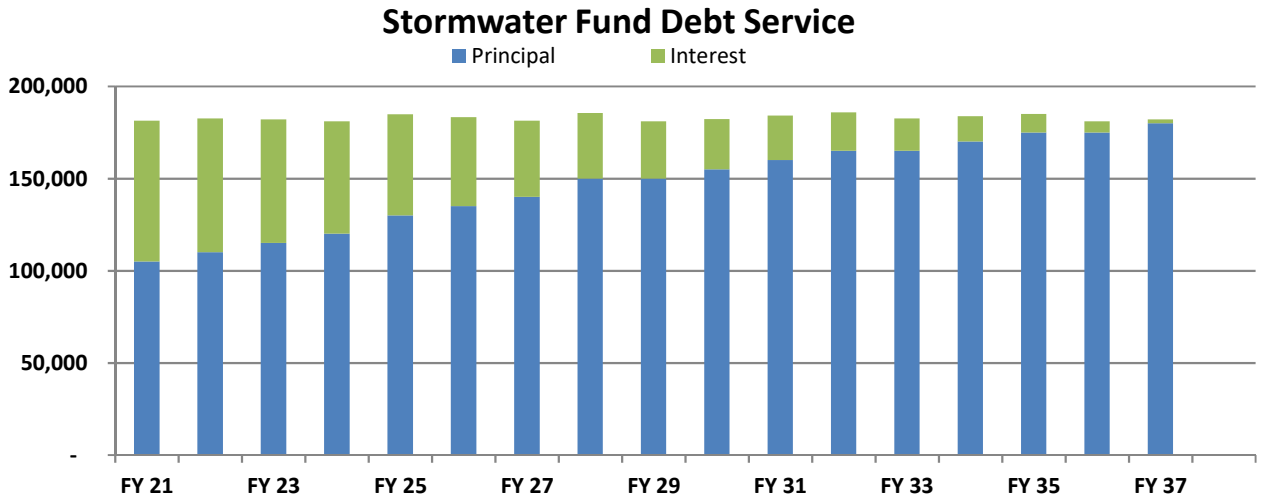
Stormwater Bonds - Stormwater Fund Debt Service

The Stormwater Fund Debt Service for FY 2021 will be $181,406, reflecting an a minor decrease of $2,100 or 1.1% from prior year debt service. Stormwater Fund debt service is supported by stormwater utility fees.

FY 2021 Stormwater Fund debt issue payments are as follows:

	Amount	Pay Off Year
Series 2016	$ 181,406	FY 2037

Year	Principal	Interest	Total	Year	Principal	Interest	Total
FY 2021	105,000	76,406	181,406	FY 2030	155,000	27,306	182,306
FY 2022	110,000	72,606	182,606	FY 2031	160,000	24,156	184,156
FY 2023	115,000	66,981	181,981	FY 2032	165,000	20,906	185,906
FY 2024	120,000	61,106	181,106	FY 2033	165,000	17,503	182,503
FY 2025	130,000	54,856	184,856	FY 2034	170,000	13,838	183,838
FY 2026	135,000	48,231	183,231	FY 2035	175,000	9,956	184,956
FY 2027	140,000	41,356	181,356	FY 2036	175,000	6,019	181,019
FY 2028	150,000	35,606	185,606	FY 2037	180,000	2,025	182,025
FY 2029	150,000	31,106	181,106				
	1,155,000	**488,254**	**1,643,254**		**1,345,000**	**121,709**	**1,466,709**
				Total	**$ 2,500,000**	**$ 609,963**	**$ 3,109,963**



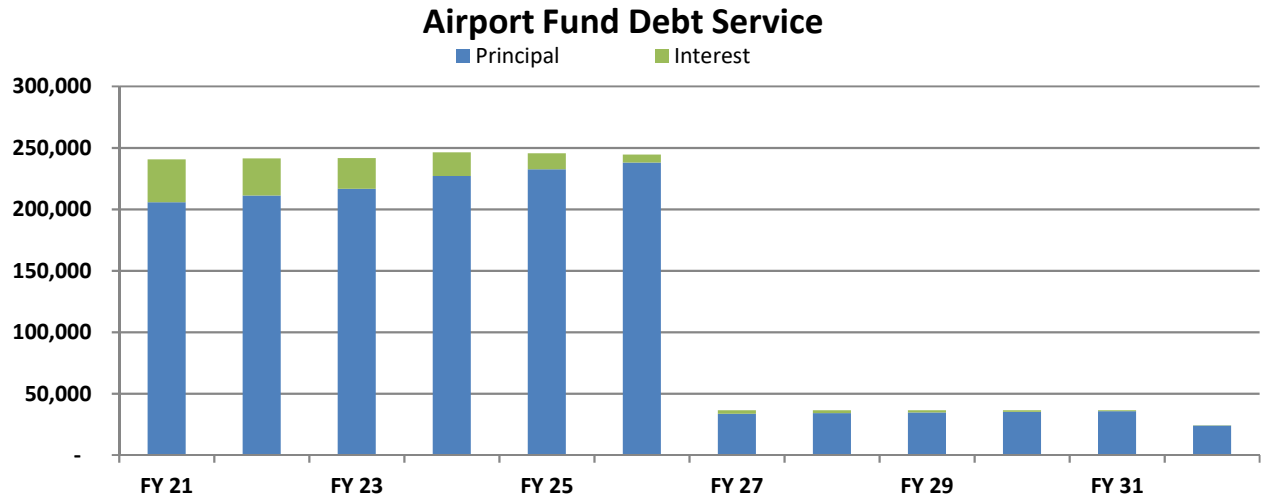
Airport Bonds - Airport Fund Debt Service

The Airport Fund Debt Service for FY 2021 will be $240,411, reflecting a minor increase of $1,331 or 0.6% from the prior year debt service. Airport Fund debt services is supported by Airport rentals and leases.

FY 2021 Airport Fund debt issue payments are as follows:

		Amount	Pay Off Year
Series 2014 D - Refunding	$	204,033	FY 2026
Series 2016 VRA	$	36,379	FY 2032

Year	Principal	Interest	Total	Year	Principal	Interest	Total
FY 2021	205,558	34,853	240,411	FY 2027	33,493	2,886	36,379
FY 2022	211,029	30,164	241,193	FY 2028	34,009	2,370	36,379
FY 2023	216,507	25,008	241,515	FY 2029	34,533	1,846	36,379
FY 2024	226,992	19,316	246,308	FY 2030	35,065	1,314	36,379
FY 2025	232,485	13,044	245,529	FY 2031	35,605	774	36,379
FY 2026	237,985	6,469	244,454	FY 2032	23,710	182	23,892
	1,330,556	**128,854**	**1,459,410**		**196,415**	**9,372**	**205,787**
				Total	**$ 1,526,971**	**$ 138,226**	**$ 1,665,197**



BOND SERIES 2009 VRA REFUNDING - RATE: 4.13 – 5.13%; ISSUED: $1,850,000

General Obligation Bonds - the proceeds were issued to refund the Bond Series 2002 VRA obligations of the City.

BOND SERIES 2010 VML/VACO - RATE: 2.00 – 6.067%; ISSUED: $5,115,000

General Obligation Recovery Zone Economic Development Bonds - the proceeds were issued to finance transportation projects including the VRE Parking Garage and Wellington Road; General Obligation Build America Bonds - the proceeds were issued to finance improvements to the Water Treatment Plant; General Obligation Bonds - the proceeds were issued to finance improvements to the Water Treatment Plant.

BOND SERIES 2010 D & D REFUNDING - RATE: 2.00 – 5.00%; ISSUED: $21,545,000

General Obligation Bonds – the proceeds were issued to finance improvements of roads, public safety, and the City's Water System and to refund the Bond Series 2004 obligations of the City.

BOND SERIES 2014 A - RATE: 3.00 – 5.00%; ISSUED: $13,525,000

General Obligation Bonds – the proceeds were issued to finance capital improvements for the City including transportation and drainage projects, School capital improvements, and Electric capital improvements including expansion of the Airport substation.

BOND SERIES 2014 C & C REFUNDING - RATE: 2.00 - 5.00%; ISSUED: $46,895,000

General Obligation Bonds – the proceeds were issued to finance the construction of a new elementary school and to refund a portion of the Bond Series 2005 B, 2007 VML/VACO, and 2010 D obligations of the City.

BOND SERIES 2014 D REFUNDING - RATE: 0.50 – 3.00%; ISSUED: $1,700,000

Taxable General Obligation Bonds – the proceeds were issued to refund a portion of the Bond Series 2005 C obligations of the City.

BOND SERIES 2016 & REFUNDING - RATE: 2.00 - 5.00%; ISSUED: $29,495,000

General Obligation Bonds – the proceeds were issued to finance the acquisition, construction, extension, renovation and equipping of public school, public safety, utility and general governmental improvements and to refund a portion of the Bond Series 2014 A and 2014 B.

BOND SERIES 2016 VRA - RATE: 1.5344%; ISSUED: $2,010,000

General Obligation Bonds – the proceeds were issued to finance improvements at the City's Airport.

BOND SERIES 2019 - RATE: 2.875 - 5.00%; ISSUED: $50,200,000

General Obligation Bonds – the proceeds were issued to finance the acquisition, construction, extension, replacement, renovation and equipping of public safety, parks, culture and recreation, transportation, utility and general governmental improvements.