

Capital Improvement Plan

Fiscal Year 2019-2024
Adopted



City of Fredericksburg, Virginia

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Capital Improvement Plan

Overview: The Capital Improvement Plan (CIP) represents a significant investment in the future of the City. It is a planning tool for the acquisition, replacement, modernization, rehabilitation or expansion of long-term capital assets and infrastructure. The process ensures that the City is able to maintain infrastructure now and into the future. The CIP reflects the substantial investment that is required to maintain and improve core public infrastructure and to advance stated Council priorities. Through these improvements, the City will continue to serve the community and to maintain economic and cultural vitality.

The Fredericksburg City Council 2036 Vision Statement includes a desired future state of reflecting the importance of capital planning.

Public Service – The Backbone of Our Community: Delivery of core services is of the utmost importance. Fredericksburg maintains and improves its infrastructure to accommodate future growth in the City. Capital improvements are carefully planned and include investments so that our infrastructure is capable of delivering clean water and sanitary services. We provide highly responsive public safety, health, and social services. We apply advances in technology to monitor and improve these services. We collaborate with our regional partners to explore shared service solutions.

As part of the budget process, City Council adopts an annual capital budget that includes capital improvements for education, public works, public facilities, public safety, courts, water and sewer. The CIP includes an additional five years of projects and references certain projects beyond that time frame. Each year the CIP is reviewed and updated as new projects are identified and existing projects and cost estimates are updated. Projects typically meet the following criteria:

- **Cost** – A project is considered capital if the cost is \$50,000 or more.
- **Life Expectancy** – The expected useful lifecycle of the project is five years or more.

The CIP is organized into the following functional areas:

- **Schools** – Fredericksburg City Public Schools
- **Public Works** – Includes Public Works, Solid Waste, Stormwater Management, Trails & Riverfront Park, and Transportation
- **Public Facilities** – Includes Information Technology, Parking, Park & Playgrounds, Planning, and Public Buildings & Facilities
- **Public Safety** – Includes Police and Fire
- **Courts** – Improvements to the City’s Court building and the Historic Renwick Building
- **Water** – Improvements to the Motts Run Water Treatment Plant and the water distribution system

- **Wastewater** – Improvements to the City’s Wastewater Treatment Facility and collection system

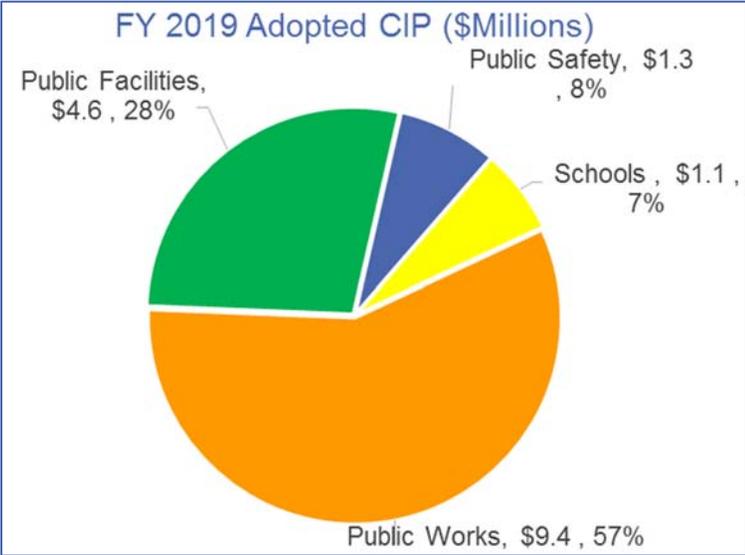
Each section contains an overall summary and project sheets providing greater detail on the improvements. The project sheets are included for projects within the FY2019 – FY2024 timeframe and provide a description of the project, the current estimate of project costs and timing, funding courses and when available an estimate of operating impacts. The funding sources include:

- Debt Issuance
- DEQ Funding
- Fuel Tax
- General Fund Transfer
- Other Local Revenues
- Prior Year Capital Fund Balance
- VDOT Funding
- Water System Revenues
- Wastewater System Revenues

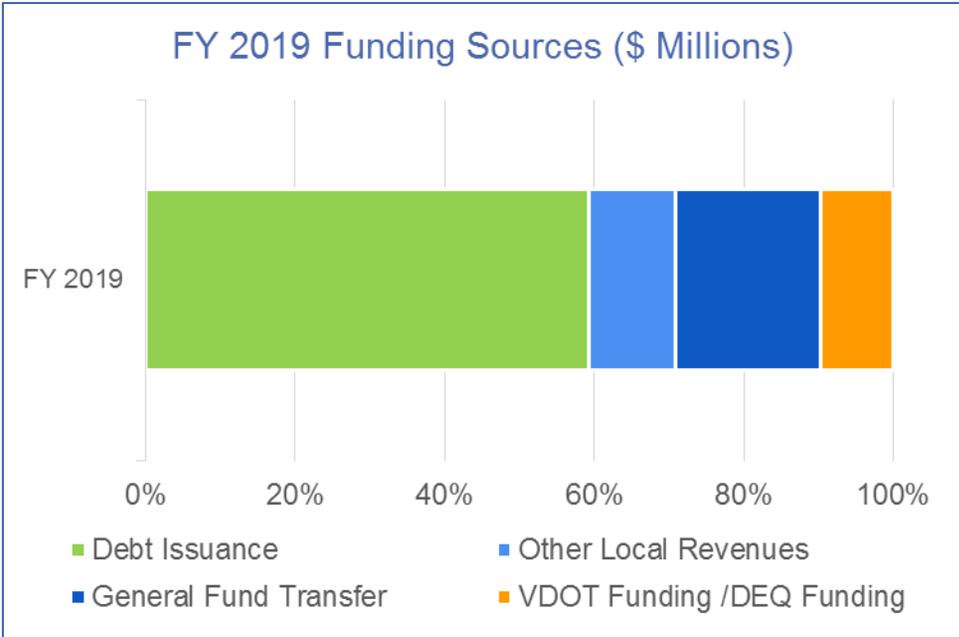
CIP Highlights:

As part of the FY 2019 budget process, the City Council will adopt the FY 2019 – FY 2024 Capital Improvement Plan. City Council will also appropriate funding for the FY 2019 CIP.

The FY 2019 Adopted Budget includes \$16.4 million of general government CIP Projects and \$10.1 million of water and sewer projects. Included in the FY19 CIP are \$1.1 million for schools purposes, \$5 million for Riverfront Park, \$1.1 million related to stormwater improvements, \$1.8 million related to the transportation network and \$3.2 million for improvements to the Executive Plaza. The CIP also includes sidewalk improvements at the train station, funding for the in-line skating rink, and police body cameras. It also continues funding for the Planning Area Plan Updates (Small Area Plans).



The six year CIP totals \$114.8 million. This includes \$32.8 million of school improvements including expansion of the high school and expansion of the middle school. School Improvements represent approximately 29% of total general government CIP spending in the six year CIP. A new elementary school is included beyond the current planning period. The CIP includes a preliminary estimate for the Gateway Boulevard Extension of \$21,700,000 in FY 2021. The project will be funded with VDOT and local sources. The FY 2019



- FY 2024 CIP also includes \$6 million in stormwater projects, a new fire station, and approximately \$13.3 of transportation related projects.

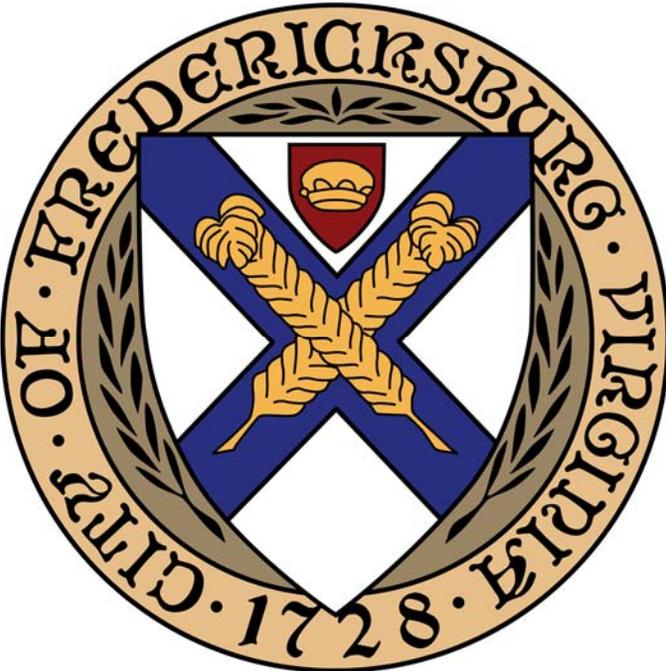
Funding for the FY 2019 CIP will be a mix of local revenues (“pay as you go”), debt, and state funds. Approximately 31% will be funded from local revenue sources, 59% debt financed, and 10% state funding from VDOT and DEQ. The six year CIP follows similar trends.

The Water and Wastewater CIP includes projects managed by the City as well as the City’s portion of projects managed by Spotsylvania County, including the potential consolidation of the wastewater treatment operations.

Significant projects in the Water Capital Fund for FY 2019 include a College Terrace Water Project and the

Greenbrier Water Main. These projects are expected to be debt financed. Significant City managed wastewater capital projects include sewer system improvements on Caroline Street and College Terrace and the replacement of a vacuum truck and camera truck. The FY 2019 projects managed by Spotsylvania County include the Hazel Run Pump Station and preliminary work on the Massaponax Wastewater Treatment Plant expansion.

The City anticipates issuing debt in the first half of FY 2019. The bond issue will provide financing for Riverfront Park, the Executive Plaza, and water and wastewater projects supported by enterprise fund revenues



FY 2019 Adopted CIP							
Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Schools	1,090,000	898,000	832,000	1,835,000	12,339,000	15,843,000	32,837,000
Public Works	9,437,000	6,956,000	26,789,000	5,328,000	3,760,000	3,410,000	55,680,000
Public Facilities	4,577,000	1,874,000	2,677,000	1,042,000	450,000	450,000	11,070,000
Public Safety	1,280,000	1,130,000	8,125,000	1,040,000	1,320,000	1,750,000	14,645,000
Courts	-	519,000	-	-	-	-	519,000
TOTAL	16,384,000	11,377,000	38,423,000	9,245,000	17,869,000	21,453,000	114,751,000
Funding							
Debt	9,700,000	4,445,000	24,435,000	3,300,000	14,600,000	16,750,000	73,230,000
General Fund Transfer	3,180,000	4,202,815	3,074,585	3,425,000	2,749,000	2,183,000	18,814,400
Fund Balances	1,542,000	669,000	150,000	150,000	150,000	150,000	2,811,000
Gas Tax	210,000	0	0	0	0	0	210,000
Other Local Sources	360,000	408,185	5,472,415	90,000	90,000	90,000	6,510,600
VDOT Funds/Federal/DEQ	1,602,000	1,652,000	5,291,000	2,280,000	280,000	2,280,000	13,385,000
TOTAL	16,384,000	11,377,000	38,423,000	9,245,000	17,869,000	21,453,000	114,751,000
Operating Impacts							
Personnel	0	76,000	502,958	939,306	950,351	961,530	3,430,145
Operating	0	63,000	41,000	325,000	134,000	135,000	698,000
Debt Service	164,543	705,186	1,009,382	2,823,807	3,079,389	4,184,900	11,967,208
Revenue	-	-	(183,954)	(230,967)	(231,484)	(232,007)	(878,414)
TOTAL	164,543	844,186	1,369,385	3,857,146	3,932,256	5,049,423	15,216,939

FY 2019 Adopted CIP	Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL FY 2019-24
SCHOOLS								
School Buses	GF	210,000	215,000	215,000	215,000	215,000	215,000	1,285,000
Computer Technology	GF	375,000	400,000	400,000	400,000	400,000	400,000	2,375,000
Carpets	GF	30,000	35,000	30,000	30,000	30,000	30,000	185,000
Roof	GF	20,000	15,000	25,000	25,000	25,000	25,000	135,000
Facilities Improvements (FY19 JM Library)	GF	50,000						50,000
Equipment Replacement	GF	50,000	50,000	50,000	50,000	50,000	50,000	300,000
New School Bus Lot Lease	GF	105,000	108,000	112,000	115,000	119,000	123,000	682,000
James Monroe Track Conditioning	GF		75,000	-	-			75,000
JMHS/WGMS A&E	GF -SCT	250,000						250,000
Middle School Expansion	Debt				1,000,000	10,000,000		11,000,000
High School Expansion	Debt	-	-	-	-	1,500,000	15,000,000	16,500,000
Total		1,090,000	898,000	832,000	1,835,000	12,339,000	15,843,000	32,837,000
PUBLIC WORKS CAPITAL								
<i>Public Works</i>								
Cemetery Improvements	GF	30,000	30,000	-				60,000
Gateway/Way finding Project	GF			80,000	80,000	80,000	80,000	320,000
Great Oaks Acid Soil Remediation	GF	-	76,000					76,000
Historic District Improvements (Downtown Street Lights)	GF	-	100,000	100,000	100,000	100,000	100,000	500,000
Neighborhood Enhancements	GF		100,000	100,000				200,000
Rolling Stock	GF	275,000	230,000					505,000
Salt Storage Building	Debt	375,000						375,000
<i>Solid Waste</i>								
R-Board Cell F3 Construction	Debt	-	2,500,000	-	-	-	-	2,500,000
Wheeled Refuse Carts	GF	-	-	-	350,000	350,000		700,000
<i>Stormwater Management</i>								
Canal Improvements	GF	68,000	218,000	68,000	68,000			422,000
Culvert Replacement; Stormwater Improvements	GF	50,000	150,000	150,000	150,000	150,000	150,000	800,000
Stormwater Management Planning	GF; DEC	200,000	-					200,000
Stormwater Management Projects	Debt		1,000,000	1,500,000	1,500,000	2,000,000		6,000,000
Storm Sewer - College Terrace (William/Sylvania)	Debt	800,000						800,000

FY 2019 Adopted CIP	Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL FY 2019-24
<u>Trails & Parks</u>								
Kensington Connector	VDOT	500,000		1,500,000				2,000,000
Pathway Improvements (Idlewild Connector & Embry Dam Trail)	GF	75,000						75,000
Riverfront Park	Debt	5,000,000						5,000,000
VCR Trail Bridge over Hazel Run	VDOT		140,000					140,000
<u>Transportation</u>								
Arterial traffic signage replacement	VDOT	480,000						480,000
Asphalt & Concrete Repairs	GF	\$ 725,000	\$ 750,000	\$ 800,000	\$ 800,000	800,000	800,000	4,675,000
Augustine Ave / Route 1 Study	VDOT			\$ 250,000				250,000
Central Park Improvements	Other	262,000						262,000
Fall Hill Avenue Sidewalks	VDOT	300,000						300,000
Gateway Boulevard Extension	VDOT;Local			21,700,000				21,700,000
Lafayette Blvd Pedestrian Safety & Kenmore Roundabout	VDOT		600,000		2,000,000		2,000,000	4,600,000
Route 3 Signal Optimization	VDOT	222,000	417,000	261,000				900,000
Traffic Calming	GF	75,000	150,000					225,000
Traffic Signal Conversion to Flashing Amber Left Turns	VDOT	-	495,000	-	-			495,000
Traffic Signal Modernization	VDOT	-	-	280,000	280,000	280,000	280,000	1,120,000
Total		\$ 9,437,000	\$ 6,956,000	\$ 26,789,000	\$ 5,328,000	\$ 3,760,000	\$ 3,410,000	\$ 55,680,000
PUBLIC FACILITIES CAPITAL								
<u>Information Technology</u>								
Fiber Network Expansion	GF		140,000	85,000	242,000			467,000
IT Disaster Resilience Plan Implementation	GF	48,000	63,000					111,000
Police Voice over IP Phone System	GF	120,000						120,000
Technology Replacements	GF	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	1,800,000
<u>Parking</u>								
Sophia Street Parking Garage Maintenance Project	Gas Tx	210,000	-					210,000

FY 2019 Adopted CIP	Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL FY 2019-24
<u>Parks, Recreation, Events</u>								
Alum Springs Bridge	Debt	-	-	1,310,000	-	-	-	1,310,000
Alum Springs Storage Building and Restroom	GF	-	100,000	124,000	-	-	-	224,000
City Dock improvements	GF	-	37,500	-	-	-	-	37,500
Dixon Park Improvements (plus wetland pavilion)	GF	-	18,000	-	240,000	-	-	258,000
Memorial Park Tennis Court Improvements - Lighting	GF	-	290,000	-	-	-	-	290,000
Park Improvements								-
Hurkamp Wall	GF	-	-	90,000	-	-	-	90,000
Dixon Inline Skating	GF	143,000	75,000	100,000	-	-	-	318,000
Doris E. Buffett Pool Improvements	GF	25,000	25,000	-	-	-	-	50,000
Old Mill Park	GF	-	135,000	-	-	-	-	135,000
Playground Equipment (inc. HL Harris)	GF	-	43,500	66,000	-	-	-	109,500
Parks Plan Development	GF	90,000	-	90,000	-	-	-	180,000
<u>Planning Area Plan Updates</u>								
Planning Area Plan Updates	GF	200,000	175,000	-	-	-	-	375,000
<u>Public Facilities</u>								
Bass Ellison Building Improvements	GF	-	-	-	50,000	-	-	50,000
Central Rappahannock Regional Library -Theater Room	GF	-	70,000	-	-	-	-	70,000
City Hall - Restrooms	GF	-	60,000	-	-	-	-	60,000
Dorothy Hart Community Center	GF	-	102,000	-	-	-	-	102,000
Energy Savings Improvements	GF	-	-	-	-	-	-	-
Lighting Retrofits and Controls	GF	-	-	260,000	-	-	-	260,000
Lighting /Plug controls upgrades	GF	-	50,000	-	-	-	-	50,000
Solar Panels at Bass-Ellison	GF	-	-	-	60,000	-	-	60,000
Electric meter monitoring	GF	-	40,000	-	-	-	-	40,000
Exec Center Plaza	Debt	3,200,000	-	-	-	-	-	3,200,000
HVAC	GF	50,000	75,000	75,000	75,000	75,000	75,000	425,000
Museum (Town Hall) - Soffit Repair; Building Foundation Study	GF	51,000	-	-	-	-	-	51,000
Roof Repair	GF	50,000	75,000	75,000	75,000	75,000	75,000	425,000
Train Station Sidewalk Improvements	GF	90,000	-	-	-	-	-	90,000
Visitor's Center	GF	-	-	102,000	-	-	-	102,000
Total		\$ 4,577,000	\$ 1,874,000	\$ 2,677,000	\$ 1,042,000	\$ 450,000	\$ 450,000	\$ 11,070,000

FY 2019 Adopted CIP	Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL FY 2019-24
PUBLIC SAFETY CAPITAL								
Animal Shelter	GF	160,000	80,000	95,000	95,000	95,000		525,000
Police Body Cameras	GF	120,000	105,000	105,000	145,000	125,000		600,000
Ambulance	Debt	325,000	270,000			350,000		945,000
Dive Vehicle	Debt	-	-	250,000				250,000
Fire Apparatus	Debt	0	675,000	1,500,000	800,000	750,000	1,750,000	5,475,000
New Fire Station - Design	FB	675,000	-	-	-	-	-	675,000
New Fire Station - Construction	Debt	-	-	6,175,000	-	-	-	6,175,000
Total		\$ 1,280,000	\$ 1,130,000	\$ 8,125,000	\$ 1,040,000	\$ 1,320,000	\$ 1,750,000	\$ 14,645,000
COURTS								
General District - 2nd Courtroom	FB	-	500,000					500,000
General Courts Security Desk Improvements	FB	-	19,000	-	-	-	-	19,000
Total		\$ -	\$ 519,000	\$ -	\$ -	\$ -	\$ -	\$ 519,000
CIP - TOTAL		\$ 16,384,000	\$ 11,377,000	\$ 38,423,000	\$ 9,245,000	\$ 17,869,000	\$ 21,453,000	\$ 114,751,000

FY 2019 Adopted CIP	Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL FY 2019-24
FUNDING								
Debt	Debt	9,700,000	4,445,000	24,435,000	3,300,000	14,600,000	16,750,000	73,230,000
General Fund Transfer	GF	2,930,000	4,202,815	3,074,585	3,425,000	2,749,000	2,183,000	18,564,400
General Fund Transfer - Schools	GF -SCH	250,000						250,000
Fund Balances - (Bonds - Public Safety)	FB	675,000	519,000	-	-	-	-	1,194,000
Fund Balances - Capital Project Funds	Local	605,000	150,000	150,000	150,000	150,000	150,000	1,355,000
Fund Balances - Central Park Special Tax District	Other	262,000						262,000
Proffers - Fire & Rescue				118,776				118,776
Proffer Schools		-	318,185	263,639				581,824
Gas Tax	Gas Tx	210,000	-	-	-	-	-	210,000
Other Local Sources (interest Earning, other fees, R-Board)		150,000	90,000	5,090,000	90,000	90,000	90,000	5,600,000
VDOT Funds/Federal		1,502,000	1,652,000	5,291,000	2,280,000	280,000	2,280,000	13,285,000
DEQ Funds (Stormwater)		100,000	-	-	-	-	-	100,000
TOTAL		\$ 16,384,000	\$ 11,377,000	\$ 38,423,000	\$ 9,245,000	\$ 17,869,000	\$ 21,453,000	\$ 114,751,000
CIP REQUESTS								
CIP REQUESTS		16,384,000	11,377,000	38,423,000	9,245,000	17,869,000	21,453,000	114,751,000
Water & Sewer CIP Requests		<u>10,525,000</u>	<u>3,770,000</u>	<u>11,670,000</u>	<u>10,500,000</u>	<u>17,690,000</u>	<u>9,670,000</u>	<u>63,825,000</u>
TOTAL CIP REQUESTS		26,909,000	15,147,000	50,093,000	19,745,000	35,559,000	31,123,000	178,576,000
Debt								
General Obligation Debt		9,700,000	1,945,000	24,435,000	3,300,000	14,600,000	16,750,000	70,730,000
Water and Sewer Debt		9,195,000	2,000,000	10,500,000	9,100,000	16,350,000	8,350,000	55,495,000
R-Board Revenue Debt		-	2,500,000	-	-	-	-	2,500,000
TOTAL Debt		18,895,000	6,445,000	34,935,000	12,400,000	30,950,000	25,100,000	128,725,000

FY 2019 Adopted CIP	Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL FY 2019-24
WATER								
Internal System Improvements	Local	\$ 400,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 250,000	\$ 250,000	1,950,000
College Heights Water Line Replacement (Phase II)	Local				350,000	350,000	350,000	1,050,000
College Terrace Water Project	Debt	650,000						650,000
Greenbrier Water Main Improvement	Debt	1,000,000		-	-	-	-	1,000,000
Motts Run Water Plant Solids Dewatering System*	Local	25,000	-			-	-	25,000
Motts Run Plant Expansion*	Local	125,000	-	-	-	8,350,000	8,350,000	16,825,000
Total		\$ 2,200,000	\$ 350,000	\$ 350,000	\$ 700,000	\$ 8,950,000	\$ 8,950,000	\$ 21,500,000
<i>*City's share of project managed by Spotsylvania County</i>								
FUNDING								
Water Fund Revenues	Local	550,000	350,000	350,000	700,000	600,000	600,000	3,150,000
Debt Issuance	Debt	1,650,000	-	-	-	8,350,000	8,350,000	18,350,000
Total		\$ 2,200,000	\$ 350,000	\$ 350,000	\$ 700,000	\$ 8,950,000	\$ 8,950,000	\$ 21,500,000

FY 2019 Adopted CIP	Source	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL FY 2019-24
WASTEWATER								
Inflow and Infiltration Abatements	Local	\$ 300,000	\$ 450,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ 300,000	2,250,000
Sewer Systems Improvements	Local	100,000	200,000	200,000	200,000	200,000	200,000	1,100,000
Pump Station Upgrades	Local	100,000	-	120,000	-	-	120,000	340,000
Caroline Street Sewer Line Replacements	Debt	2,000,000			-	-	-	2,000,000
College Terrace Sewer Project	Debt	800,000						800,000
Grinder for Celebrate VA PS	Local	130,000						130,000
NPS / Farrell Lane Line Replacement - Engineering	Debt	350,000				-	-	350,000
NPS / Farrell Lane Line Replacement - Construction	Debt	-		2,000,000	600,000	-	-	2,600,000
Rolling Stock - VAC Truck & Camera Truck	Debt	585,000	-	-	-	-	-	585,000
WWTP SCADA System Replacement	Local	-	150,000	-	-	-	-	150,000
WWTP Pump Replacement	Local	140,000	100,000	100,000	100,000	140,000	100,000	680,000
WWTP Effluent Tank Relining	Local	10,000	400,000	-	-	-	-	410,000
WWTP Grit separators	Local		120,000	-	-	-	-	120,000
<u>WWTP Consolidation</u>								-
Hazel Run Pump Station and Force Main*	Debt	2,750,000	2,000,000					4,750,000
Massaponax Expansion*	Debt	1,060,000		8,500,000	8,500,000	8,000,000		26,060,000
City Plant Pump Station	Debt							TBD
Force Main - City Plant PS to Massaponax	Debt							TBD
Decommissioning City Plant	Debt	-	-	-	-	-	-	TBD
Total		\$ 8,325,000	\$ 3,420,000	\$ 11,320,000	\$ 9,800,000	\$ 8,740,000	\$ 720,000	\$ 42,325,000
<i># Includes the revised estimates for College Terrace as amended by City Council on June 24, 2018 through Resolution 18-53. The estimate was revised to \$800,00 from \$350,000.</i>								
<i>* City's share of project managed by Spotsylvania County</i>								
FUNDING								
Sewer Fund Revenues	Local	780,000	1,420,000	820,000	700,000	740,000	720,000	5,180,000
Debt Issuance	Debt	7,545,000	2,000,000	10,500,000	9,100,000	8,000,000	-	37,145,000
Total		\$ 8,325,000	\$ 3,420,000	\$ 11,320,000	\$ 9,800,000	\$ 8,740,000	\$ 720,000	\$ 42,325,000

FY 2019 -2024 Adopted CIP - Public Education Capital Fund

Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Buses, Technology, Equipment & Capital Maintenance	685,000	715,000	720,000	720,000	720,000	720,000	4,280,000
James Monroe Library Improvements	50,000	0	0	0	0	0	50,000
James Monroe Track Reconditioning	0	75,000	0	0	0	0	75,000
School Bus Parking Facility (Lease)	105,000	108,000	112,000	115,000	119,000	123,000	682,000
High School / Middle Schools Expansion Feasibility Study	250,000	0	0	0	0	0	250,000
James Monroe High School Expansion	0	0	0	0	1,500,000	15,000,000	16,500,000
Walker Grant Middle School Expansion	0	0	0	1,000,000	10,000,000	0	11,000,000
Total	\$1,090,000	\$898,000	\$832,000	\$1,835,000	\$12,339,000	\$15,843,000	\$32,837,000

Funding Sources	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Debt Issuance	0	0	0	1,000,000	11,500,000	15,000,000	27,500,000
General Fund Transfer	1,090,000	898,000	832,000	835,000	839,000	843,000	5,337,000
Total	\$1,090,000	\$898,000	\$832,000	\$1,835,000	\$12,339,000	\$15,843,000	\$32,837,000

Operating Impacts	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Personnel	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0
Debt Service	0	0	0	0	75,220	940,248	1,015,468
Total	\$0	\$0	\$0	\$0	\$75,220	\$940,248	\$1,015,468

Buses, Technology, Equipment & Capital Maintenance

Total Project Cost: \$4,280,000 **Estimated Opening Date:** Ongoing

Department/Agency: Schools

City Council's Vision: Learning is a Way of Life



PROGRAM DESCRIPTION

The Schools have a systematic approach for ongoing maintenance and replacement of capital assets.

- The Schools will replace two school buses per year.
- A portion of the School's technology is refreshed annually. This includes, computers, tablets and other devices.
- Capital maintenance includes replacement of carpeting, building repairs, and roof repairs.
- Capital equipment replacements are funded on an annual basis as needs arise.

OPERATING IMPACT SUMMARY

The funding represents capital maintenance of ongoing systems.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
School Bus Replacement	Ongoing	210,000	215,000	215,000	215,000	215,000	215,000	1,285,000	Ongoing
Computer Technology	Ongoing	375,000	400,000	400,000	400,000	400,000	400,000	2,375,000	Ongoing
Capital Maintenance (Carpet, Roof)	Ongoing	50,000	50,000	55,000	55,000	55,000	55,000	320,000	Ongoing
Capital Equipment	Ongoing	50,000	50,000	50,000	50,000	50,000	50,000	300,000	Ongoing
Total	Ongoing	\$685,000	\$715,000	\$720,000	\$720,000	\$720,000	\$720,000	\$4,280,000	Ongoing

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	Ongoing	685,000	715,000	720,000	720,000	720,000	720,000	4,280,000	Ongoing
Total	Ongoing	\$685,000	\$715,000	\$720,000	\$720,000	\$720,000	\$720,000	\$4,280,000	Ongoing

James Monroe Library Improvements

Total Project Cost: \$50,000

Estimated Opening Date: 2019

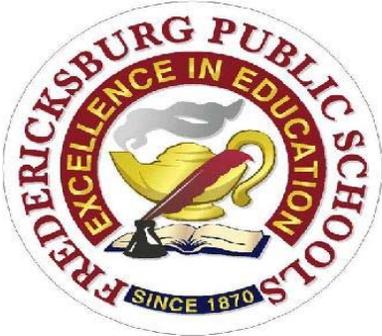
City Council's Vision: Learning is a Way of Life

Department/Agency: Schools

NEW in FY 2019

PROGRAM DESCRIPTION

Modernization of the library / media center at James Monroe High School to better meet the needs of the 21st century learner. This includes furniture, lighting, learning centers, and other improvements.



OPERATING IMPACT SUMMARY

None

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		50,000	0	0	0	0	0	50,000	
Total		\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	50,000	0	0	0	0	0	50,000	
Total	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000	

James Monroe Track Reconditioning

Total Project Cost: \$75,000

Estimated Opening Date: 2021

City Council's Vision: Learning is a Way of Life

Department/Agency: Schools

PROGRAM DESCRIPTION

The project involves the reconditioning, resurfacing, repainting of the track at James Monroe High School. This major maintenance is done on a five year cycle.



OPERATING IMPACT SUMMARY

This project is not anticipated to increase operating costs.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
James Monroe Track Reconditioning		0	75,000	0	0	0	0	75,000	
Total		\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000	\$0

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	75,000	0	0	0	0	75,000	
Total	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$75,000	

School Bus Parking Facility (Lease)

Total Project Cost: \$682,000

Estimated Opening Date: Ongoing

City Council's Vision: Learning is a Way of Life

Department/Agency: Schools

PROGRAM DESCRIPTION

The City is leasing a school bus parking facility from a private developer in the Battlefield Industrial Park. In the past, the Schools shared space at the City Shop with the Public Works Department. Population and enrollment growth has created a need for additional buses in recent years, and space was no longer available at the City Shop.

The facility includes a parking lot that houses up to 53 school buses, 60 cars for employee and visitor parking, an office building, and a pad area for washing of buses. The Schools, as tenant, will be responsible for utilities, insurance, and taxes if real estate taxes were to rise significantly. The funding listed in the CIP is inclusive of the lease costs, which includes a clause that escalates the rent based upon inflation, but capped at 3% per year.

OPERATING IMPACT SUMMARY

The City Schools will be responsible for certain operating costs pursuant to the lease agreement. The lease has a twenty year term.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
School Bus Lot Lease		105,000	108,000	112,000	115,000	119,000	123,000	682,000	Ongoing
Total		\$105,000	\$108,000	\$112,000	\$115,000	\$119,000	\$123,000	\$682,000	Ongoing

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer		105,000	108,000	112,000	115,000	119,000	123,000	682,000	Ongoing
Total		\$105,000	\$108,000	\$112,000	\$115,000	\$119,000	\$123,000	\$682,000	Ongoing

High School / Middle Schools Expansion Feasibility Study

Total Project Cost: \$250,000 **Estimated Completion Date:** FY 2019

City Council's Vision: Learning is a Way of Life

Department/Agency: Schools

NEW in FY 2019

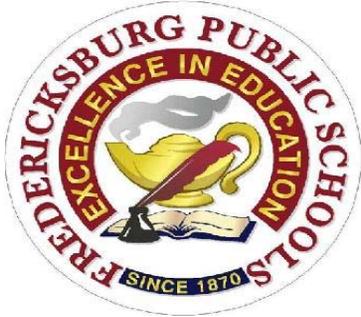
PROGRAM DESCRIPTION

The CIP includes \$250,000 for feasibility planning and to evaluate possible expansions at Walker-Grant Middle School and James Monroe High School. Should current enrollment projections continue, the growth of the City will require additional capacity in the school system.

Funds will also be used to study the future site of an additional school and potential short-term student accommodations.

OPERATING IMPACT SUMMARY

The study will help determine future capital improvement projects.



PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Feasibility Study		250,000	0	0	0	0	0	250,000	
Total		\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000	\$0

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer - Assigned for Schools	0	250,000	0	0	0	0	0	250,000	
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

James Monroe High School Expansion

Total Project Cost: \$16,500,000 **Estimated Opening Date:** 2025

City Council's Vision: Learning is a Way of Life

Department/Agency: Schools



PROGRAM DESCRIPTION

Expansion at the high school may be necessary based on enrollment projections. The project and estimates will be refined as the results of the feasibility study become available.

OPERATING IMPACT SUMMARY

The improvement will be bond funded. Personnel, operating and debt service costs will be refined during the upcoming year as the results of the feasibility study become available.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
High School Expansion		0	0	0	0	1,500,000	15,000,000	16,500,000	
Total		\$0	\$0	\$0	\$0	\$1,500,000	\$15,000,000	\$16,500,000	\$0

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance	0	0	0	0	0	1,500,000	15,000,000	16,500,000	
Total		0	0	0	0	1,500,000	15,000,000	\$16,500,000	\$0

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Personnel	0	0	0	0	0	0	0	TBD
Operating	0	0	0	0	0	0	0	TBD
Debt Service	0	0	0	0	0	112,830	112,830	1,241,127
Total	\$0	\$0	\$0	\$0	\$0	\$112,830	\$112,830	

Walker Grant Middle School Expansion

Total Project Cost: \$11,000,000

Estimated Opening Date: FY 2024

City Council's Vision: Learning is a Way of Life

Department/Agency: Schools

NEW in FY 2019

PROGRAM DESCRIPTION

If feasible, expansion at the middle school may be necessary based on enrollment projections. The project and estimates will be refined as the results of the feasibility study become available.



OPERATING IMPACT SUMMARY

The improvement will be bond funded. Personnel, operating and debt service costs will be refined during the upcoming year as the results of the feasibility study become available.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Middle School Expansion		0	0	0	1,000,000	10,000,000	0	11,000,000	
Total		\$0	\$0	\$0	\$1,000,000	\$10,000,000	\$0	\$11,000,000	\$0

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance	0	0	0	0	1,000,000	10,000,000	0	11,000,000	
Total		0	0	0	1,000,000	10,000,000	0	\$11,000,000	\$0

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Personnel	0	0	0	0	0	0	0	TBD
Operating	0	0	0	0	0	0	0	TBD
Debt Service	0	0	0	0	75,220	827,418	902,638	827,418
Total	\$0	\$0	\$0	\$0	\$75,220	\$827,418	\$902,638	

FY 2019 Adopted CIP - Public Works							
Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
<i>Public Works</i>							
Cemetery Improvements	30,000	30,000	0	0	0	0	60,000
Gateway Enhancements and Way Finding Signs	0	0	80,000	80,000	80,000	80,000	320,000
Great Oaks Acid Soil Remediation	0	76,000	0	0	0	0	76,000
Historic District Improvements (Streetlights & Sidewalks)	0	100,000	100,000	100,000	100,000	100,000	500,000
Neighborhood Enhancements	0	100,000	100,000	0	0	0	200,000
Rolling Stock Replacement	275,000	230,000	0	0	0	0	505,000
Salt Storage Facility	375,000	0	0	0	0	0	375,000
<i>Solid Waste</i>							
R-Board Cell F3 Construction	0	2,500,000	0	0	0	0	2,500,000
Wheeled Refuse Cart Replacement	0	0	0	350,000	350,000	0	700,000
<i>Stormwater Management</i>							
Canal Improvements	68,000	218,000	68,000	68,000	0	0	422,000
Culvert Replacement	50,000	150,000	150,000	150,000	150,000	150,000	800,000
Storm Sewer - College Terrace (William /Sylvania)	800,000	0	0	0	0	0	800,000
Stormwater Management	200,000	1,000,000	1,500,000	1,500,000	2,000,000	0	6,200,000

FY 2019 Adopted CIP - Public Works							
Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
<i>Trails & Parks</i>							
Kensington Trail Connector	500,000	0	1,500,000	0	0	0	2,000,000
Pathway Improvements (Idlewild Connector & Embrey Dam Trail)	75,000	0	0	0	0	0	75,000
Riverfront Park	5,000,000	0	0	0	0	0	5,000,000
Virginia Central Railway (VCR) Trail Bridge	0	140,000	0	0	0	0	140,000
<i>Transportation</i>							
Arterial Traffic Signage Replacement Program	480,000	0	0	0	0	0	480,000
Asphalt & Concrete Program	725,000	750,000	800,000	800,000	800,000	800,000	4,675,000
Augustine Avenue/ Route 1 Safety Improvements	0	0	250,000	0	0	0	250,000
Central Park	262,000	0	0	0	0	0	262,000
Fall Hill Sidewalks	300,000	0	0	0	0	0	300,000
Gateway Boulevard Extension	0	0	21,700,000	0	0	0	21,700,000
Lafayette Boulevard Pedestrian Safety & Lafayette / Kenmore Roundabout	0	600,000	0	2,000,000	0	2,000,000	4,600,000
Route 3 - Traffic Signal Modernization	222,000	417,000	261,000	0	0	0	900,000
Traffic Calming	75,000	150,000	0	0	0	0	225,000
Traffic Signal Conversion to Flashing Amber Left Turns	0	495,000	0	0	0	0	495,000
Traffic Signal Conversion Modernization	0	0	280,000	280,000	280,000	280,000	1,120,000
Total	\$9,437,000	\$6,956,000	\$26,789,000	\$5,328,000	\$3,760,000	\$3,410,000	\$55,680,000

FY 2019 Adopted CIP - Public Works

Funding Sources	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Debt Issuance	6,175,000	3,500,000	15,200,000	1,500,000	2,000,000	0	28,375,000
General Fund Transfer / Fund Balance	1,398,000	1,804,000	1,438,000	1,688,000	1,620,000	1,270,000	9,218,000
Other Local Revenues	262,000	0	5,000,000	0	0	0	5,262,000
State/Federal	100,000	600,000	3,000,000	2,000,000	0	2,000,000	7,700,000
VDOT	1,502,000	1,052,000	2,151,000	140,000	140,000	140,000	5,125,000
Total	\$9,437,000	\$6,956,000	\$26,789,000	\$5,328,000	\$3,760,000	\$3,410,000	\$55,680,000

Operating Impacts	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Personnel	0	76,000	77,520	79,070	80,652	82,265	395,507
Operating	0	63,000	11,000	11,000	11,000	11,000	107,000
Debt Service	44,192	464,482	768,678	1,957,110	2,137,472	2,377,955	7,749,890
Revenue	0	0	(183,954)	(183,954)	(183,954)	(183,954)	(735,818)
Total	\$44,192	\$603,482	\$673,244	\$1,863,226	\$2,045,170	\$2,287,266	\$7,516,579

Cemetery Improvements

Total Project Cost: \$60,000 **Estimated Opening Date:** 2019

City Council's Vision: A Proven Leader in Historic Preservation

Department/Agency: Public Works

PROGRAM DESCRIPTION

This project will repair as necessary the cemetery gate and replace the existing concrete sidewalk along Washington Avenue between Amelia and William Streets with a new brick sidewalk. The new brick sidewalk will complement the appearance of the cemetery brick wall and allow for a wider green strip with new trees planted between the curb and sidewalk. The City typically converts approximately one block of concrete sidewalk in downtown to brick annually to enhance the attractiveness of the downtown area. This section of sidewalk is a prominent feature adjacent to the historic cemeteries. Also, the Green Subcommittee has recommended the replacement of the concrete sidewalk with brick and moving the new sidewalk farther away from the curb to facilitate the installation of new trees.



The City's Comprehensive Plan, in the Action Plan, specifically mentions under the goal area of Historic Preservation the development of brick sidewalks.

OPERATING IMPACT SUMMARY

These funds are to replace existing assets, although brick sidewalks generally require more maintenance.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		30,000	30,000	0	0	0	0	60,000	
Total		\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$60,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	30,000	30,000	0	0	0	0	60,000	
Total	\$0	\$30,000	\$30,000	\$0	\$0	\$0	\$0	\$60,000	

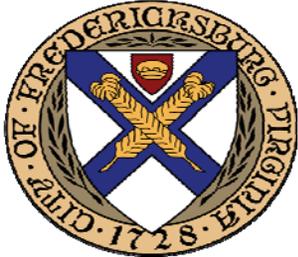
Gateway Enhancements and Way Finding Signs

Total Project Cost: \$320,000

Estimated Opening Date: 2022 -2024

City Council's Vision: Distinct and Linked Neighborhoods

Department/Agency: City Manager's Office



PROGRAM DESCRIPTION

The Wayfinding project will be done in conjunction with the City's rebranding efforts to provide clear directions and travel assistance to those visiting our City.

OPERATING IMPACT SUMMARY

The City estimates an annual operating cost of \$25,000 per year upon completion of all phases.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction	0	0	0	80,000	80,000	80,000	80,000	320,000	
Total	\$0	\$0	\$0	\$80,000	\$80,000	\$80,000	\$80,000	\$320,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	0	80,000	80,000	80,000	80,000	320,000	
Total	\$0	\$0	\$0	\$80,000	\$80,000	\$80,000	\$80,000	\$320,000	

Great Oaks Acid Soil Remediation

Total Project Cost: \$76,000 **Estimated Opening Date:** 2021

City Council's Vision: Distinct and Linked Neighborhoods

Department/Agency: Public Works **NEW in FY 2019**

PROGRAM DESCRIPTION

Several areas within the Great Oaks subdivision have incurred accelerated deterioration and massive staining of sidewalks and curbs and gutter areas stemming from acid sulfate soils. The staining is the effect of the acid soils being exposed to air, causing a chemical reaction of the sulfur in the soil with air, creating sulfuric acid and the release of iron from the soils. The acid eats concrete and prohibits the growth of almost all plant materials.

This CIP project proposes to replace the current, traditional concrete sidewalk and curbing with a pervious rubber project that will not only resist staining and deterioration by the soils runoff, but will also allow infiltration of any runoff into the sidewalk area, thereby keeping it from reaching the storm sewer.



PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction	0	0	76,000	0	0	0	0	76,000	
Total	\$0	\$0	\$76,000	\$0	\$0	\$0	\$0	\$76,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	76,000	0	0	0	0	76,000	
Total	\$0	\$0	\$76,000	\$0	\$0	\$0	\$0	\$76,000	

Historic District Improvements (Streetlights & Sidewalks)

Total Project Cost: \$500,000

Estimated Opening Date: FY2020-2024

City Council's Vision: Employment Epicenter

Department/Agency: Public Works

PROGRAM DESCRIPTION

The ornamental lights in the downtown historic district will be upgraded and converted to a more energy efficient form of lighting. In addition, the Comprehensive Plan calls for the re-start of the brick sidewalk program in the downtown. The City currently has a mix of concrete and brick sidewalks in the downtown historic district. In addition, the City owns and is responsible for the maintenance of streetlights and ornamental lights in the downtown.

OPERATING IMPACT SUMMARY

Brick sidewalks generally require more maintenance and monitoring than concrete sidewalks.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Historic District Improvements		0	100,000	100,000	100,000	100,000	100,000	500,000	
Total	\$0	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL	Later Years
General Fund Transfer	Ongoing	0	100,000	100,000	100,000	100,000	100,000	500,000	
Total	\$0	0	100,000	100,000	100,000	100,000	100,000	500,000	

Neighborhood Enhancements

Total Project Cost: \$200,000

Estimated Opening Date: FY 2020-2024

City Council's Vision: Distinct and Linked Neighborhoods

Department/Agency: Public Works

NEW in FY 2019



PROGRAM DESCRIPTION

City Council set a goal of establishing:

"A Neighborhood Enhancement Program to enhance infrastructure in neighborhoods that will include: dedicated funding, a method of prioritizing expenditures, communication with neighborhoods as appropriate and avoidance of competition."

The Department of Public Works has been tasked with setting up and administering the program. Projects eligible for funding will include streetlights, sidewalks, signage and trees. The process with begin in FY 2019 with the first round of projects to be funded in FY 2020.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		0	100,000	100,000	0	0	0	200,000	
Total	\$0	\$0	\$100,000	\$100,000	\$0	\$0	\$0	\$200,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL	Later Years
General Fund Transfer		0	100,000	100,000	0	0	0	200,000	
Total	\$0	0	100,000	100,000	0	0	0	200,000	

Rolling Stock Replacement

Total Project Cost: \$505,000 **Estimated Opening Date:** FY 2019-2020

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

The replacement of aged vehicles including a Class 7 dump truck, a bucket truck used primarily by the tree crew, and a street sweeper. The street sweeper is an important component of maintaining the City's MS4 permit.



PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Class 7 Dump Truck		110,000	0	0	0	0	0	110,000	
Bucket Truck		165,000	0	0	0	0	0	165,000	
Street Sweeper		0	230,000	0	0	0	0	230,000	
Total		\$275,000	\$230,000	\$0	\$0	\$0	\$0	\$505,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL	Later Years
General Fund Transfer		275,000	230,000	0	0	0	0	505,000	
Total		275,000	230,000	0	0	0	0	505,000	

Salt Storage Facility

Total Project Cost: \$375,000 **Estimated Opening Date:** FY 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

Existing Salt Storage Facility



PROGRAM DESCRIPTION

The existing salt storage building is structurally unsound and in poor condition. The new structure is expected to be a domed shaped storage building. The estimate includes the site preparation, design, construction, and electrical work. It has become industry standard that the contractor would provide a turnkey building to include design and layout, stamped engineered drawings, permits, and complete construction of the building. The city anticipates specifying a 3,000 ton capacity salt dome with an 82 foot diameter. This design would more than double our current capacity and serve as a permanent and long term facility. The increase in capacity is necessary, as we continue to experience salt shortages across the East Coast during or after major winter storm events.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		375,000	0	0	0	0	0	375,000	
Total		\$375,000	\$0	\$0	\$0	\$0	\$0	\$375,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL	Later Years
Debt Issuance		375,000	0	0	0	0	0	375,000	
Total		\$375,000	\$0	\$0	\$0	\$0	\$0	\$375,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	0	28,207	28,207	28,207	28,207	28,207	141,037
Total	\$0	\$28,207	\$28,207	\$28,207	\$28,207	\$28,207	\$141,037

R-Board Cell F3 Construction

Total Project Cost: \$2,500,000 **Estimated Opening Date:** FY 2020

City Council's Vision: Green, Clean Environment

Department/Agency: R-Board; City Manager's Office



PROGRAM DESCRIPTION

The R-Board advises that the current landfill cell, Cell F2, is filling and will reach capacity ahead of schedule. The original schedule was that the Cell would last approximately seven years. Based on current waste flows into the landfill, the projection is that the landfill will need to open Cell F3 after five years. The R-Board currently plans for the City and Stafford County to approve revenue bond financing for the construction of the new cell, which is currently forecast for FY 2020. The R-Board's current finances will allow for the payment of the debt service from R-Board tipping fees, and there should be no impact on the City's operating funds from the opening of the new cell.

OPERATING IMPACT SUMMARY

Debt service will be paid from R-Board revenues.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		0	2,500,000	0	0	0	0	2,500,000	
Total		\$0	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL	Later Years
Debt Issuance		0	2,500,000	0	0	0	0	2,500,000	
Total		0	2,500,000	0	0	0	0	2,500,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Debt Service	0	0	183,954	183,954	183,954	183,954	735,818	Ongoing
R-Board Payments	0	0	(183,954)	(183,954)	(183,954)	(183,954)	(735,818)	Ongoing
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	

Wheeled Refuse Cart Replacement

Total Project Cost: \$700,000

Estimated Opening Date: FY 2023

City Council's Vision: Green, Clean Environment

Department/Agency: Public Works

PROGRAM DESCRIPTION

Phased replacement of the the 65 gallon roll-out carts used for both solid waste and recycling.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Equipment Purchases	0	0	0	0	350,000	350,000	0	700,000	
Total	\$0	\$0	\$0	\$0	\$350,000	\$350,000	\$0	\$700,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	0	0	350,000	350,000	0	700,000	
Total	\$0	\$0	\$0	\$0	\$350,000	\$350,000	\$0	\$700,000	

Canal Improvements

Total Project Cost: \$422,000 **Estimated Opening Date:** Ongoing **City Council's Vision:** Green, Clean Environment

Department/Agency: Public Works **NEW in FY 2019**

PROGRAM DESCRIPTION

Debris has been accumulating in the Rappahannock Canal for years. Although it is a natural process, because the canal is a man-made, closed (no fresh water naturally flowing into the system) system, the rotting debris lowers dissolved oxygen levels (DO) in the water, which is detrimental to aquatic life. Debris removal also lends to a more aesthetically pleasing canal. This CIP project includes funding a four year debris removal program. The program may be extended in future CIPs or absorbed into the operating budget.

The aeration system was installed in 2005 and will require replacement of the compressors and areations lines in a systematic way to assure continued optimum performance and benefit. The aeration system that provides compressed air to the Canal through slitted plastic lines helps to keep DO levels in the canal at an acceptable level.



OPERATING IMPACT SUMMARY

Debris removal maybe incorporated into the operating budget after the initial debris removal project.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debris Removal		50,000	50,000	50,000	50,000	0	0	200,000	
Aeration System		18,000	18,000	18,000	18,000	0	0	72,000	
Dredge Upper Canal		0	150,000	0	0	0	0	150,000	
Total	\$0	\$68,000	\$218,000	\$68,000	\$68,000	\$0	\$0	\$422,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL	Later Years
General Fund Transfer	Ongoing	68,000	218,000	68,000	68,000	0	0	422,000	
Total	\$0	68,000	218,000	68,000	68,000	0	0	422,000	

Culvert Replacement

Total Project Cost: \$800,000 **Estimated Opening Date:** Ongoing **City Council's Vision:** Green, Clean Environment

Department/Agency: Public Works

PROGRAM DESCRIPTION

Culvert replacement funding is set aside each year so the Department of Public Works can maintain and upgrade if necessary the culvert and ditch drainage system. This funding also gives Public Works access to funding when culverts or drainpipes need emergency repair.

The City's storm drains and culverts require periodic maintenance and replacement in order to continue to function.

The Comprehensive Plan discusses the need to possibly build new or retrofit existing stormwater management facilities, and this funding will help support that goal.

OPERATING IMPACT SUMMARY

These funds are to replace existing assets.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction Costs	Ongoing	50,000	150,000	150,000	150,000	150,000	150,000	800,000	
Total		\$50,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$800,000	Ongoing

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	Ongoing	50,000	150,000	150,000	150,000	150,000	150,000	800,000	Ongoing
Total	\$0	\$50,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$800,000	Ongoing

Storm Sewer - College Terrace (William /Sylvania)

Total Project Cost: \$800,000

Estimated Opening Date: 2021

City Council's Vision: Green, Clean Environment

Department/Agency: Public Works

NEW in FY 2019

PROGRAM DESCRIPTION

Replacement of storm sewer lines in the College Terrace area near William Street and Sylvania Street. The project will address strom water run-off problems in this area by replacing failing pipes with adequately sized pipes.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		800,000	0	0	0	0	0	800,000	
Total		\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance	0	800,000	0	0	0	0	0	800,000	
Total	\$0	\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000	TBD

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	0	60,176	60,176	60,176	60,176	60,176	300,879
Total	\$0	\$60,176	\$60,176	\$60,176	\$60,176	\$60,176	\$300,879

Stormwater Management

Total Project Cost: \$6,200,000

Estimated Opening Date: Ongoing

City Council's Vision: Green, Clean Environment

Department/Agency: Public Works



PROGRAM DESCRIPTION

The City is required to reduce nitrogen, phosphorus, and sediment loads in stormwater runoff. Various stormwater management capital improvements in the form of new best management practices and retrofits for existing stormwater management facilities are being developed under the Second Phase Chesapeake Bay Total Maximum Daily Load (TMDL) Action Plan, which requires a 40% overall TMDL reduction.

The City will compete for Stormwater Local Assistance Fund (SLAF) grants, which are 50/50 matching grants from the Commonwealth of Virginia in FY 2019.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary		200,000	0	0	0	0	0	200,000	
Construction		0	1,000,000	1,500,000	1,500,000	2,000,000	0	6,000,000	
Total		\$200,000	\$1,000,000	\$1,500,000	\$1,500,000	\$2,000,000	\$0	\$6,200,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance	0	0	1,000,000	1,500,000	1,500,000	2,000,000	0	6,000,000	
General Fund Transfer	0	100,000	0	0	0	0	0	100,000	
State/Federal	0	100,000	0	0	0	0	0	100,000	
Total	\$0	\$200,000	\$1,000,000	\$1,500,000	\$1,500,000	\$2,000,000	\$0	\$6,200,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	0	0	120,241	300,603	480,965	721,448	1,623,258
Total	\$0	\$0	\$120,241	\$300,603	\$480,965	\$721,448	\$1,623,258

Kensington Trail Connector

Total Project Cost: \$2,000,000 **Estimated Opening Date:** 2022

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Transportation **NEW in FY 2019**

PROGRAM DESCRIPTION

The Kensington Connector is a 10-foot wide asphalt pathway along the west side of Lafayette Boulevard. The pathway will extend from Twin Lakes Drive to St. Paul Street, a distance of 0.27 miles. The funding provided is \$2 million from the Smart Scale program.

OPERATING IMPACT SUMMARY

As trails are added, additional man-hours will be required to maintain them.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary Engineering	20,000	500,000	0	0	0	0	0	500,000	
Construction	0	0	0	1,500,000	0	0	0	1,500,000	
Total	\$20,000	\$500,000	\$0	\$1,500,000	\$0	\$0	\$0	\$2,000,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
VDOT - Smart Scale	0	500,000	0	1,500,000	0	0	0	2,000,000	
Total	\$0	\$500,000	\$0	\$1,500,000	\$0	\$0	\$0	\$2,000,000	

Pathway Improvements (Idlewild Connector & Embrey Dam Trail)

Total Project Cost: \$75,000 **Estimated Opening Date:** 2019

City Council's Vision: Distinct and Linked Neighborhoods

Department/Agency: Transportation

PROGRAM DESCRIPTION

The Fredericksburg trail system includes ten-foot wide, multi-use pathways in a network that extends throughout much of the City. This project will establish two trail links from the Idlewild neighborhood to the existing VCR trailhead. The steep slopes that characterize the Idlewild subdivision require careful engineering/planning of appropriate routes.



OPERATING IMPACT SUMMARY

Any additional trail miles will increase demands on staff time and maintenance resources.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		75,000	0	0	0	0	0	75,000	
Total		\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	75,000	0	0	0	0	0	75,000	
Total	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000	

Riverfront Park

Total Project Cost: \$5,000,000 **Estimated Opening Date:** 2020

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: City Manager's Office

PROGRAM DESCRIPTION

The Fredericksburg City Council 2036 Vision Statement identifies Riverfront Park as Priority No. 7. The Comprehensive Plan includes the establishment of an urban riverfront park as a focal point for the community.

Riverfront Park is to be developed along Sophia Street on the Rappahannock River between Hanover Street and just south of Charlotte Street.

The City currently has completed a concept design, which provides a basic plan for the park. The City is currently refining the concept and providing better cost estimates during the design phase, which should be completed during FY 2018. Assuming approval of the design, the City will move forward with construction of the park.



OPERATING IMPACT SUMMARY

The ongoing costs reflect personnel and other operating expenses such as utilities and maintenance. One-time start-up costs include park furnishings, a mower, blower and various other pieces of equipment.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY2023	FY2024	TOTAL	Later Years
Design & Pre-Construction Services	1,000,000	0	0	0	0	0	0	0	
Construction		5,000,000	0	0	0	0	0	5,000,000	
Total	\$1,000,000	\$5,000,000	\$0	\$0	\$0		\$0	\$5,000,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY2023	FY2024	TOTAL
Debt Issuance	1,000,000	5,000,000	0	0	0	0	0	5,000,000
Total	\$1,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$5,000,000

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Personnel	0	76,000	77,520	79,070	80,652	82,265	232,590
Operating	0	63,000	11,000	11,000	11,000	11,000	85,000
Debt Service	0	376,099	376,099	376,099	376,099	376,099	1,128,298
Total	\$0	\$515,099	\$464,619	\$466,169	\$467,751	\$469,364	\$1,445,888

Virginia Central Railway (VCR) Trail Bridge

Total Project Cost: \$160,000 **Estimated Opening Date:** 2020

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Transportation

PROGRAM DESCRIPTION

The Virginia Central Railway (VCR) Trail extends from downtown Fredericksburg to a trailhead near the Idlewild neighborhood, a distance of 2.5 miles. This facility is a ten-foot wide, asphalt surfaced, multi-use trail that can be used in all weather. An additional 3/4 mile section of the old railway bed extends west, from the Idlewild trailhead, but is cut off from potential access by Hazel Run. This project will place a bridge across this waterway and open the western-most section of the old railway bed to recreational use.



Historically, the railway extended from Fredericksburg westward for 30 miles to the Town of Orange. Fredericksburg is turning the VCR right-of-way within the City limits into a bicycle/pedestrian route, both for transportation and recreation. Similar efforts have occurred in Spotsylvania County on other sections of the VCR. The long term vision is to have a complete hiking/biking route from Fredericksburg to Orange, which would need to include a tunnel through the Interstate embankment. In the meantime, the City intends to open the entire railway trail in this jurisdiction to public use.

OPERATING IMPACT SUMMARY

As trails are added, additional man-hours will be required to maintain them.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary Engineering	20,000	0	0	0	0	0	0	20,000	
Construction	0	0	140,000	0	0	0	0	140,000	
Total	\$20,000	\$0	\$140,000	\$0	\$0	\$0	\$0	160,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
VDOT	20,000	0	140,000	0	0	0	0	160,000	
Total	\$20,000	\$0	\$140,000	\$0	\$0	\$0	\$0	\$160,000	

Arterial Traffic Signage Replacement Program

Total Project Cost: \$480,000 **Estimated Opening Date:** 2019

Department/Agency: Public Works

City Council's Vision: Public Service - The Backbone of Our Community

PROGRAM DESCRIPTION

Based on a staff assessment, the majority of existing signage does not meet current retro reflectivity or other Federal Highway Administration (FHWA) standards. Primary road signage replacement would include: Route 1 and Route 3 (City limit to City limit), Route 2&17, Blue and Gray Parkway interchange guide signs, Central Park Boulevard, Cowan Boulevard and Carl D Silver Parkway. Signage replacement for primary roads would include all regulatory, warning and guide signs.



OPERATING IMPACT SUMMARY

This project is not expected to increase operating costs.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		480,000	0	0	0	0	0	480,000	
Total		\$480,000	\$0	\$0	\$0	\$0	\$0	\$480,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
VDOT Funding	0	480,000	0	0	0	0	0	480,000	
Total	\$0	\$480,000	\$0	\$0	\$0	\$0	\$0	\$480,000	

Asphalt & Concrete Program

Total Project Cost: \$4,675,000 **Estimated Opening Date:** Ongoing

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

Each year the City uses local and Virginia Department of Transportation (VDOT) revenue sharing funds to complete an asphalt reconstruction and repaving program. Major transportation roads in the City are candidates for the annual revenue sharing application while less travelled neighborhood streets are locally funded. The City now receives primary roadway paving funds from VDOT as well, which require no local match. The City maximizes funding available each year to address the streets in the greatest need of repair.

The maintenance of the City's street system is essential to the transportation network, and supports the Comprehensive Plan's goals in providing good transportation in the community.



OPERATING IMPACT SUMMARY

The annual asphalt and concrete program maintains existing streets, roads, curbs and gutters.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction	Ongoing	725,000	750,000	800,000	800,000	800,000	800,000	4,675,000	Ongoing
Total	Ongoing	\$725,000	\$750,000	\$800,000	\$800,000	\$800,000	\$800,000	\$4,675,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL	Later Years
General Fund Transfer	Ongoing	725,000	750,000	800,000	800,000	800,000	800,000	4,675,000	Ongoing
Total		725,000	750,000	800,000	800,000	800,000	800,000	4,675,000	

Augustine Avenue/ Route 1 Safety Improvements

Total Project Cost: \$250,000

Estimated Opening Date: 2021

City Council's Vision: Cutting Edge Transportation Solutions

Department/Agency: Transportation

NEW in FY 2019



PROGRAM DESCRIPTION

Route 1 corridor study for improvements to the transportation network along Route 1 between Cowan Boulevard and College Avenue.

OPERATING IMPACT SUMMARY

None

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary Engineering	60,000	0	0	250,000	0	0	0	250,000	
Total	\$60,000	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
VDOT		0	0	250,000	0	0	0	250,000	
Total		\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000	

Central Park

Total Project Cost: \$262,000 **Estimated Opening Date:** FY 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works **NEW in FY 2019**

PROGRAM DESCRIPTION

Improvements to the Central Park area will include repairs to signals, sidewalks, curbs and general road maintenance.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		262,000	0	0	0	0	0	262,000	
Total	\$0	\$262,000	\$0	\$0	\$0	\$0	\$0	\$262,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY2022	FY2023	FY2024	TOTAL	Later Years
Other Local Revenues		262,000	0	0	0	0	0	262,000	
Total	\$0	\$262,000	0	0	0	0	0	\$262,000	

Fall Hill Sidewalks

Total Project Cost: \$300,000 **Estimated Opening Date:** 2019

City Council's Vision: Distinct and Linked Neighborhoods

Department/Agency: Transportation **NEW in FY 2019**

PROGRAM DESCRIPTION

The project includes sidewalks on both sides of Fall Hill Avenue, to Riverside Manor Boulevard on the north side and to Vidalia Street on the south side. Two demand pedestrian signals will be installed across both sides of the intersection of Fall Hill Avenue and Carl D. Silver Boulevard. A third demand pedestrian signal is proposed to be installed across Fall Hill Avenue, at Riverside Manor Boulevard.



PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		300,000	0	0	0	0	0	300,000	
Total		\$300,000	\$0	\$0	\$0	\$0	\$0	\$300,000	

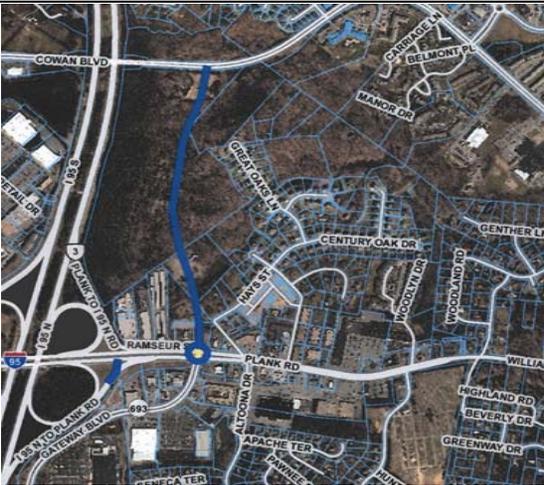
Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
VDOT Funding- HSIP	0	300,000	0	0	0	0	0	300,000	
Total	\$0	\$300,000	0	0	0	0	0	\$300,000	

Gateway Boulevard Extension

Total Project Cost: \$21,700,000 **Estimated Opening Date:** 2022

City Council's Vision: Employment Epicenter

Department/Agency: City Manager's Office



PROGRAM DESCRIPTION

Gateway Boulevard is a new facility. It will be designed as a four-lane, divided roadway, with a sidewalk and 10-foot wide trail located generally between Plank Road and Cowan Boulevard as depicted on the map. The road will provide access to an undeveloped tract of land east of I-95.

The current estimate is preliminary and may be revised as the project develops. Although the City's share is identified for debt funding, the City is actively perusing additional funding resources.

OPERATING IMPACT SUMMARY

To be determined. Gateway Boulevard will be added to the City's road network and maintenance schedule.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Right of Way	0	0	0	5,000,000	0	0	0	5,000,000	
Engineering and Construction	0	0	0	16,700,000	0	0	0	16,700,000	
Total	\$0	\$0	\$0	\$21,700,000	\$0	\$0	\$0	\$21,700,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance	0	0	0	13,700,000	0	0	0	13,700,000	
VDOT Funding	0	0	0	3,000,000	0	0	0	3,000,000	
ROW from Property Owner	0	0	0	5,000,000	0	0	0	5,000,000	
Total	\$0	\$0	\$0	\$21,700,000	\$0	\$0	\$0	\$21,700,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Personnel	0	0	0	0	0	0	0	0
Operating	0	0	0	0	0	0	0	0
Debt Service	0	0	0	1,008,070	1,008,070	1,008,070	3,024,210	Ongoing
Revenue/Savings	0	0	0	0	0	0	0	0
Total	\$0	\$0	\$0	\$1,008,070	\$1,008,070	\$1,008,070	\$3,024,210	

Lafayette Boulevard Pedestrian Safety & Lafayette / Kenmore Roundabout

Total Project Cost: \$4,600,000 **Estimated Opening Date:** 2025

City Council's Vision: Cutting Edge Transportation Solutions

Department/Agency: Public Works

PROGRAM DESCRIPTION

The City has included funding for pedestrian improvements along Lafayette Boulevard, which is a heavily-travelled corridor for pedestrians. In addition, there is a project to replace the existing traffic signal at Lafayette Boulevard and Kenmore Avenue with a traffic circle.

Project Justification: The City's long-range plan should include improvements for pedestrians along Lafayette Boulevard, in accordance with the Lafayette Boulevard corridor study. The traffic circle design has the potential to improve the flow of both vehicular and pedestrian traffic in that intersection, although more detailed study is required. This improvement may require right-of-way acquisition as well.



OPERATING IMPACT SUMMARY

Additional pedestrian facilities, such as sidewalks, would require long-term maintenance. The traffic circle project will also require long-term maintenance; however, there are cost savings associated with the removal of a traffic signal, including power costs and costs for replacement controllers, lights, etc.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Design	0	0	600,000	0	0	0	0	600,000	
Right of Way	0	0	0	0	2,000,000	0	0	2,000,000	
Total	\$0	\$0	\$600,000	\$0	\$2,000,000	\$0	\$2,000,000	\$4,600,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
VDOT	0	0	600,000	0	2,000,000	0	2,000,000	4,600,000	
Total	\$0	\$0	\$600,000	\$0	\$2,000,000	\$0	\$2,000,000	\$4,600,000	

Route 3 - Traffic Signal Modernization

Total Project Cost: \$1,047,000 **Estimated Opening Date:** 2021

City Council's Vision: Cutting Edge Transportation Solutions

Department/Agency: Public Works

PROGRAM DESCRIPTION

The City of Fredericksburg, through the FAMPO, has obtained future capital funding for Phase II of various improvements to the traffic signals on State Route 3.

This will allow for the signals to be updated with the most efficient equipment along with the ability to be optimized to current travel conditions creating the safest and best flowing traffic pattern for this area.

OPERATING IMPACT SUMMARY

The City currently maintains these systems.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction	147,000	222,000	417,000	261,000	0	0	0	1,047,000	
Total	\$147,000	\$222,000	\$417,000	\$261,000	\$0	\$0	\$0	\$1,047,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
VDOT - CMAQ	147,000	222,000	417,000	261,000	0	0	0	1,047,000	
Total	\$147,000	\$222,000	\$417,000	\$261,000	\$0	\$0	\$0	\$1,047,000	

Traffic Calming

Total Project Cost: \$225,000

Estimated Opening Date: FY 2019-2020

City Council's Vision: Cutting Edge Transportation Solutions

Department/Agency: Public Works

NEW in FY 2019

PROGRAM DESCRIPTION

This project addresses the installation of new pedestrian bumpouts at the intersection of William and Charles Streets. The sidewalks on the NW and SW corners will be widened to allow pedestrians better sight distance of oncoming vehicles and a safer crossing of William Street. The bumpouts also promote traffic calming by helping to reduce the speed of vehicles as they approach the intersections.



PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction	0	75,000	150,000	0	0	0	0	225,000	
Total	\$0	\$75,000	\$150,000	\$0	\$0	\$0	\$0	\$225,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	75,000	150,000	0	0	0	0	225,000	
Total	\$0	\$75,000	\$150,000	\$0	\$0	\$0	\$0	\$225,000	

Traffic Signal Conversion to Flashing Amber Left Turns

Total Project Cost: \$495,000 **Estimated Opening Date:** 2021

City Council's Vision: Cutting Edge Transportation Solutions

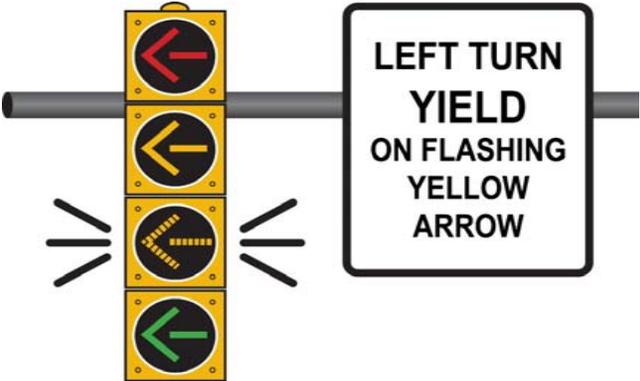
Department/Agency: Public Works

PROGRAM DESCRIPTION

Due to new Federal Highway Administration regulations, certain intersections in the City of Fredericksburg with permissive left turn signals will be converted to a flashing amber left turn arrow from the green ball . All new signals will be constructed to meet this new standard.

The following signals are included in this program:

- Cowan Blvd at Hospital Drive and Snowden Hills Blvd
- Carl D. Silver Pkwy. at Trade St., Lowes, Cowan / Central Park Blvd, the Walmart entrance, Gordon W. Shelton Blvd, and Hospitality Ln
- Central Park Blvd. at Trade St. and Corporate Center



PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction	0	0	495,000	0	0	0	0	495,000	
Total	\$0	\$0	\$495,000	\$0	\$0	\$0	\$0	\$495,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
VDOT - HSIP	0	0	495,000	0	0	0	0	495,000	
Total	\$0	\$0	\$495,000	\$0	\$0	\$0	\$0	\$495,000	

Traffic Signal Conversion Modernization

Total Project Cost: \$1,120,000 **Estimated Opening Date:** FY 2019 - 2022 **City Council's Vision:** Cutting Edge Transportation Solutions

Department/Agency: Public Works

PROGRAM DESCRIPTION

This project will allow for the signals to be updated with the most efficient equipment along with the ability to be optimized to current travel conditions. The City will request funding for the Traffic Signal projects through the Fredericksburg Area Metropolitan Planning Organization (FAMPO). If VDOT funds are not available, the scope of the project will be reduced.

OPERATING IMPACT SUMMARY

The signals represent replacements of currently signalized intersections.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction	0	0	0	280,000	280,000	280,000	280,000	1,120,000	
Total	\$0	\$0	\$0	\$280,000	\$280,000	\$280,000	\$280,000	\$1,120,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	0	140,000	140,000	140,000	140,000	560,000	
VDOT - 50/50 Revenue Sharing	0	0	0	140,000	140,000	140,000	140,000	560,000	
Total	\$0	\$0	\$0	\$280,000	\$280,000	\$280,000	\$280,000	\$1,120,000	

FY 2019 -2024 Adopted CIP - Public Facilities Capital Fund

Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
<i>Community Planning and Building</i>							
Planning Area Updates	200,000	175,000	0	0	0	0	\$375,000
<i>Information Technology</i>							
Fiber Network Expansion	0	140,000	85,000	242,000	0	0	\$467,000
IT Disaster Resilience Plan Implementation	48,000	63,000	0	0	0	0	\$111,000
Police Voice over IP Phone System	120,000	0	0	0	0	0	\$120,000
Technology Replacements	300,000	300,000	300,000	300,000	300,000	300,000	\$1,800,000
<i>Parking</i>							
Sophia Street Parking Garage Maintenance	210,000	0	0	0	0	0	\$210,000
<i>Parks, Recreations & Events</i>							
Alum Springs Park Improvements	0	100,000	1,434,000	0	0	0	\$1,534,000
City Dock Improvements	0	37,500	0	0	0	0	\$37,500
Dixon Park Improvements & Wetlands Pavilion	0	18,000	0	240,000	0	0	\$258,000
Memorial Park Tennis	0	290,000	0	0	0	0	\$290,000
Parks Plan Development	90,000	0	90,000	0	0	0	\$180,000
Parks & Playground Improvements	168,000	278,500	256,000	0	0	0	\$702,500

FY 2019 -2024 Adopted CIP - Public Facilities Capital Fund

Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
<u>Public Facilities</u>							
Bass Ellison Improvements	0	0	0	50,000	0	0	\$50,000
CRRL - Theater Room	0	70,000	0	0	0	0	\$70,000
City Hall Restroom Renovation	0	60,000	0	0	0	0	\$60,000
Dorothy Hart Community Center	0	102,000	0	0	0	0	\$102,000
Energy Retrofit	0	90,000	260,000	60,000	0	0	\$410,000
Executive Center Plaza	3,200,000	0	0	0	0	0	\$3,200,000
Museum (Historic Town Hall / Market House)	51,000	0	0	0	0	0	\$51,000
Roof Repair & HVAC Maintenance	100,000	150,000	150,000	150,000	150,000	150,000	\$850,000
Train Station Sidewalk Improvements	90,000	0	0	0	0	0	\$90,000
Visitor's Center	0	0	102,000	0	0	0	\$102,000
Total	\$4,577,000	\$1,874,000	\$2,677,000	\$1,042,000	\$450,000	\$450,000	\$11,070,000

FY 2019 -2024 Adopted CIP - Public Facilities Capital Fund

Funding Sources	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Debt Issuance	3,200,000	0	1,310,000	0	0	0	\$4,510,000
Fuel Tax	210,000	0	0	0	0	0	\$210,000
General Fund Transfer	1,007,000	1,874,000	1,367,000	1,042,000	450,000	450,000	\$6,190,000
Fund Balance	100,000	0	0	0	0	0	100,000
Other Local Revenues	60,000	0	0	0	0	0	60,000
Total	\$4,677,000	\$1,874,000	\$2,677,000	\$1,042,000	\$450,000	\$450,000	\$11,170,000

Operating Impacts	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Operating	0	0	18,000	49,000	54,000	54,000	\$175,000
Debt Service	120,352	240,703	240,703	402,215	402,215	402,215	\$1,808,403
Total	\$120,352	\$240,703	\$258,703	\$451,215	\$456,215	\$456,215	\$1,983,403

Planning Area Updates

Total Project Cost: \$750,000

Estimated Opening Date: 2019-2022

City Council's Vision: Distinct and Linked Neighborhoods

Department/Agency: Planning

PROGRAM DESCRIPTION

The 2015 Comprehensive Plan provides for 10 Small Area Plans. These plans will identify the strengths and weaknesses in planning policy and land use regulation for each planning area. The new small area plans will incrementally establish a new General Land Use Plan Map. The small area plans will result in revised land use regulations based on 21st century planning concepts, including form based codes, and will foster all areas of the City to become walkable urban places with "complete streets" accommodating multiple forms of transportation.

These funds will be used for consultant services that will include a city-wide market analysis, with tailored information for each planning area, identifying the economic potential for residential, commercial, and/or industrial uses in each planning area. The services will include urban design/land use analysis to develop policies resulting in form based codes for land use regulations.

To be completed in FY19:

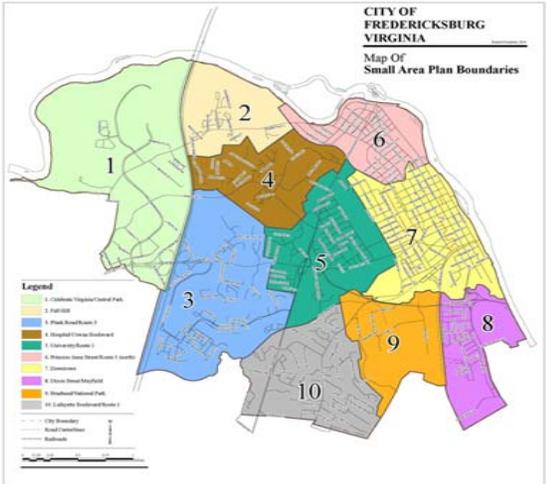
Area 7: the Downtown core and four surrounding neighborhoods

To be completed in FY20:

- Area 1: the Central Park/Celebrate Virginia area west of I-95,
- Area 2: the top of Fall Hill, east of I-95, and
- Area 4: the Mary Washington Medical Center area and Cowan Boulevard corridor.

To be completed in FY 21:

- Area 5: Mary Washington University, the College Heights neighborhood, and the Route 1 corridor between the Rappahannock Canal and the new VCR trail/Hazel Run.
- Area 8: the Dixon Street/Mayfield area south of Hazel Run and east of the CSX railroad.
- Area 9: the Braehead/National Park area, which runs from the CSX railroad to the Lee Drive corridor, south of Hazel Run.
- Area 10: the Lafayette Boulevard and Route 1 corridors south of the new VCR trail.



OPERATING IMPACT SUMMARY

These planning efforts will identify future CIP projects as well as policy and ordinance changes to implement the plan's recommendations. Engineering recommendations will be developed to direct public improvements for complete streets that allow for a diversity of transport modes and that are appropriately scaled for the current character of the neighborhood, as well as the overall road network. Engineering work will also address water/sewer issues and stormwater issues as needed.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Planning Area Updates	375,000	200,000	175,000	0	0	0	0	750,000	
Total	\$375,000	\$200,000	\$175,000	\$0	\$0	\$0	\$0	\$750,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	375,000	200,000	175,000	0	0	0	0	750,000	
Total	\$375,000	\$200,000	\$175,000	\$0	\$0	\$0	\$0	\$750,000	

Fiber Network Expansion

Total Project Cost: \$467,000 **Estimated Opening Date:** 2020-2022

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Information Technology

PROGRAM DESCRIPTION

The project will extend the City's fiber network to Dixon Park Maintenance, the Wastewater Plant, and the City Shop. The project also extends the network from the City Shop to connect to Walker Grant Middle School, creating a fiber "loop" throughout the entire City. Fiber optics provide large capacity, high speed data transmission over long distances and would improve the work capabilities of employees. The project will enable staff at the Wastewater Plant to access City-wide drives on which important shared city documents are stored. The City Shop and Wastewater Treatment Plant would be able to utilize the City's internet pipe and firewalls saving costs and reducing the management platform for IT.

OPERATING IMPACT SUMMARY

Operating costs are expected to be minimal.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Wastewater Treatment Plant and Dixon Park Maintenance	0	0	140,000	0	0	0	0	140,000	0
City Shop		0	0	85,000	0	0	0	85,000	
Fiber Loop		0	0	0	242,000	0	0	242,000	
Total	\$0	\$0	\$140,000	\$85,000	\$242,000	\$0	\$0	\$467,000	\$0

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	140,000	85,000	242,000	0	0	467,000	0
Total	\$0	\$0	\$140,000	\$85,000	\$242,000	\$0	\$0	\$467,000	\$0

IT Disaster Resilience Plan Implementation

Total Project Cost: \$203,000 **Estimated Opening Date:** 2019-2020 **City Council's Vision:** Public Service - The Backbone of Our Community

Department/Agency: Information Technology

PROGRAM DESCRIPTION

Redundant E-911 Dispatch Center: This project provides a backup E-911 Dispatch Center in the event the primary Dispatch Center is incapacitated or uninhabitable. This project is scheduled for FY 2019. The remaining projects are scheduled for FY 2020.

Resilient Network Time Services: This device would provide a redundant time source for the Police and City Networks should the existing device fail. This is critical for tracking dispatch response times.

Storage and Backup Resilience: Provide redundant offsite backup solution to the cloud.

Stretch Virtual Local Area Network (VLAN): This would also provide a mechanism to extend E-911 services to the Command Vehicle or City Hall for emergent or special events.

OPERATING IMPACT SUMMARY

The City estimates that there will be additional operating costs associated with software maintenance and telephone changes.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY2023	FY2024	TOTAL	Later Years
Construction	92,000	48,000	63,000	0	0	0	0	203,000	
Total	\$92,000	\$48,000	\$63,000	\$0	\$0	\$0	\$0	\$203,000	\$0

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY2023	FY2024	TOTAL	Later Years
General Fund Transfer	92,000	48,000	63,000	0	0	0	0	203,000	
Total	\$92,000	\$48,000	\$63,000	\$0	\$0	\$0	\$0	\$203,000	\$0

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY2023	FY2024	TOTAL
Operating	0	0	18,000	49,000	49,000	49,000	165,000 Ongoing
Total	\$0	\$0	\$18,000	\$49,000	\$49,000	\$49,000	\$165,000

Police Voice over IP Phone System

Total Project Cost: \$120,000 **Estimated Opening Date:** FY 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Information Technology

PROGRAM DESCRIPTION

Replace aged Police Department's Voice over IP Phone (VoIP) with a new robust system that can be integrated into the City's existing enterprise-wide fiber infrastructure. The Police Department's current system is outdated, experiences syncing problems, and is no longer supported by the vendor.

OPERATING IMPACT SUMMARY

After the three year extended warranty, \$5,000 in operating funds will be required to cover maintenance for City Hall and the Police Department. A network equipment refresh will be evaluated in year 5.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Implementation		120,000	0	0	0	0	0	120,000	
Total		\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer		120,000	0	0	0	0	0	120,000	
Total		\$120,000	\$0	\$0	\$0	\$0	\$0	\$120,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	
Operating	0	0	0	0	5,000	5,000	10,000	Ongoing
Total	\$0	\$0	\$0	\$0	\$5,000	\$5,000	\$10,000	Ongoing

Technology Replacements

Total Project Cost: \$1,800,000 **Estimated Opening Date:** Ongoing

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Information Technology

PROGRAM DESCRIPTION

The City replaces computer technology used by our operating Departments through the capital fund, currently on a four-year cycle. Ongoing funding for computer replacements for worn or outdated computers is essential for City operations.

Scheduled for replacement are PCs, modile data terminals, iPads, servers, switches, routers and firewalls. A variety of other hardware and software replacements may be funded as resources allow.

OPERATING IMPACT SUMMARY

The IT budget contains a variety of ongoing operating costs related to the City's computer systems; however, the replacement program does not by itself create special additional operating costs.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Hardware and Software	Ongoing	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000	Ongoing
Total		\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,800,000	Ongoing

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	Ongoing	300,000	300,000	300,000	300,000	300,000	300,000	1,800,000	Ongoing
Total		300,000	300,000	300,000	300,000	300,000	300,000	\$1,800,000	Ongoing

Sophia Street Parking Garage Maintenance

Total Project Cost: \$210,000 **Estimated Opening Date:** FY2019

City Council's Vision: Employment Epicenter

Department/Agency: City Manager's Office

PROGRAM DESCRIPTION

The Sophia Street Parking Garage is over 10 years old and is in very good condition. However, major maintenance work is required to extend the life of the structure, as identified in the report from Walker Restoration Consultants for the Sophia Street Parking Garage. This project is for waterproofing and sealing work, along with other minor repairs.



OPERATING IMPACT SUMMARY

This project will save costs in the long-run by continuing to maintain the Sophia Street Parking Garage. It does not add any future operating costs to the budget.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		210,000	0	0	0	0	0	210,000	
Total		\$210,000	\$0	\$0	\$0	\$0	\$0	\$210,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Motor Fuels Tax		210,000	0	0	0	0	0	210,000	
Total		\$210,000	\$0	\$0	\$0	\$0	\$0	\$210,000	

Alum Springs Park Improvements

Total Project Cost: \$1,534,000 **Estimated Opening Date:** FY 2021

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Parks, Recreation and Events

PROGRAM DESCRIPTION

Replace existing roadway/ford access to Alum Spring Park with a bridge over the ford into the park. The attempted repairs to the roadway access are failing and the water is chipping away at the patches that have been applied (\$1,310,000).

Renovate existing restroom and storage facility to create an ADA-accessible building to house classroom space and serve the park, as well as the VCR Trail, with accessible restrooms. This project is comprised of three parts – renovation of the existing bathrooms (\$20,000), installation of a ramp to access the bathrooms (\$80,000), and interior renovation of the remainder of the building including the upgrade of heating, lighting, electrical service, and water (\$124,000)



OPERATING IMPACT SUMMARY

Replacing the existing ford with a bridge will allow the park to remain open during certain high water events that would have made the ford impassable. Any additional operating costs will be absorbed into the PRE budget.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Bridge		0	0	1,310,000	0	0	0	1,310,000	
Storage Building and Restroom		0	100,000	124,000	0	0	0	224,000	
Total		\$0	\$100,000	\$1,434,000	\$0	\$0	\$0	\$1,534,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance		0	0	1,310,000	0	0	0	1,310,000	
General Fund Transfer		0	100,000	124,000	0	0	0	224,000	
Total		\$0	\$100,000	\$1,434,000	\$0	\$0	\$0	\$1,534,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	0	0	0	161,511	161,511	161,511	484,533
Total	\$0	\$0	\$0	\$161,511	\$161,511	\$161,511	\$484,533

City Dock Improvements

Total Project Cost: \$37,500 **Estimated Opening Date:** FY 2020

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Parks, Recreation and Events

PROGRAM DESCRIPTION

The City Dock has been a fixture in Fredericksburg since George Washington's time. It has been updated over the years, but requires additional renovations. The dock is weathered and showing signs of deteriorating in some areas.

The City Dock will require a contractor to remove at least three layers of bulkhead boards and replace them using the existing hardware. Several more areas – the walkway by the boat launch ramps and the benches – are in need of repair as well. This project will be coordinated with the appropriate federal, state, and local offices to minimize impacts to the citizens. The ramp, previously used to dock the City of Fredericksburg Riverboat, is unusable in its current condition and should either be repaired or removed for safety reasons.



OPERATING IMPACT SUMMARY

There are no additional anticipated ongoing operational costs.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Dock Renovations		0	37,500	0	0	0	0	37,500	
		0	0	0	0	0	0	0	
Total		\$0	\$37,500	\$0	\$0	\$0	\$0	\$37,500	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer		0	37,500	0	0	0	0	37,500	
Total		\$0	\$37,500	\$0	\$0	\$0	\$0	\$37,500	

Dixon Park Improvements & Wetlands Pavilion

Total Project Cost: \$258,000

Estimated Opening Date: FY 2020

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Parks, Recreation and Events



PROGRAM DESCRIPTION

The Dixon Park athletic fields and walking trails are a tremendous asset to the citizens of the City. The Department of PRE and the Recreation Commission support completion of the lights in the parking lot. The original park plan included these items but they were placed in a future phase for cost reasons at the time the project was constructed. The park is becoming popular for its walking trails. By finishing the pathways and lighting the pathway system, the park could be more appealing for longer periods of the day, and to a wider variety of citizens. The lighting of the trails is proposed for FY 2022.

Additionally, a new wetlands pavilion is requested in FY2020 which will allow for improved wetlands maintenance education for staff as well as for the public. The wetlands at Dixon Park have been protected since park construction in 2004. The construction of a covered shelter will allow for classes to study the wetlands habitat and inhabitants. This type of education is valuable in the continuation of the City's Stormwater Permitting, which requires an internal and an external communication and education plan.

OPERATING IMPACT SUMMARY

There will be costs associated with additional lighting and custodial service. Staff is evaluating energy efficient LED lighting and solar powered options to keep costs minimal.

PROPOSED

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		0	18,000	0	240,000	0	0	258,000	
Total		\$0	\$18,000	\$0	\$240,000	\$0	\$0	\$258,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	18,000	0	240,000	0	0	258,000	
Total	\$0	\$0	\$18,000	\$0	\$240,000	\$0	\$0	\$258,000	

Memorial Park Tennis Court Improvements

Total Project Cost: \$290,000 **Estimated Opening Date:** FY2020

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Parks, Recreation and Events

PROGRAM DESCRIPTION

Memorial Park Tennis Courts are separated into two areas – Courts #1-6, and Courts #7-8. Courts #7-8 are used for tennis but are also used as supplemental Pickleball Courts due to the rising popularity of the sport. The proposed lights provide over 50 foot-candles of light to the courts, reduce spill light by 50%, and reduce energy costs by 50%. With the increase of play on all of the courts, and the conversion of court #7 to four Pickle ball courts, the installation of lights on courts #7-8 will increase the available number of courts that can be played on after dusk.



OPERATING IMPACT SUMMARY

There are no additional ongoing operational costs anticipated with this project. While new lights on Courts #7-8 will add to the existing utility costs, efficiency from upgraded light fixtures may reduce overall utility costs.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Install lights Courts #7-8	0	0	115,000	0	0	0	0	115,000	
Replace lights Courts #1-6	0	0	175,000	0	0	0	0	175,000	
Total	\$0	\$0	\$290,000	\$0	\$0	\$0	\$0	\$290,000	\$0

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	290,000	0	0	0	0	290,000	
Total	\$0	\$0	\$290,000	\$0	\$0	\$0	\$0	\$290,000	\$0

Parks Plan Development

Total Project Cost: \$180,000

Estimated Opening Date: 2019; 2021

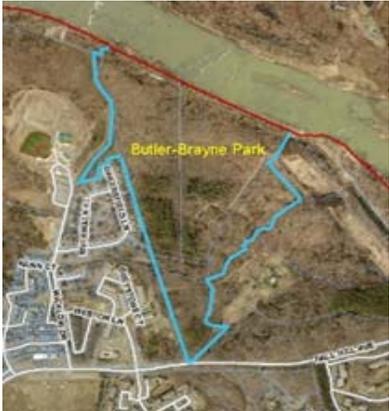
City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Parks, Recreation and Events

NEW in FY 2019

PROGRAM DESCRIPTION

This project is the development of a Master Plan / Strategic Plan for the Department of Parks, Recreation and Events. A Master Plan is a vital tool in identifying what can and could be used for the beneficial use of space and the development of future parks. The City recently acquired land from the Cullen Land Trust which is adjacent to two other parcels of land along Fall Hill Avenue previously given to the City. The parcels create a 63.64 acre area for outdoor recreation, which is currently named Butler Brayne Park. The study will also include a Strategic Plan for PRE addressing how best to meet the desire for recreational programming, events and park development.



OPERATING IMPACT SUMMARY

There will likely be additional funding requested as a result of the plan. However these may be offset by increased revenues and/or increased grant opportunities.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Plan Developmrt		90,000	0	90,000	0	0	0	180,000	
Total		\$90,000	\$0	\$90,000	\$0	\$0	\$0	\$180,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	90,000	0	90,000	0	0	0	180,000	
Total		90,000	0	90,000	0	0	0	\$180,000	

Parks & Playground Improvements

Total Project Cost: \$642,000 **Estimated Opening Date:** FY 2019-2021

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Parks, Recreation and Events **Updated in FY 2019**

PROGRAM DESCRIPTION

Park Improvements:

- Dixon Park Inline Skate Rink – site preparation including the removal of top soil, grading, gravelling, and installation of an asphalt pad, installation of LED poles and lighting
- Doris E. Buffett Pool – Resurfacing of the pool, replacement of the ceramic tile both inside and outside of the pool area, and replacement of shade structures and amenities
- Hurkamp Park – Installation of a brick wall on George Street to eliminate erosion problem and improve foot traffic. Several groups have expressed interest in fundraising to accomplish this project
- Old Mill Park – replacement of the 2" sewer line that pumps to Caroline St, expansion of the parking lot for an additional 50-60 spaces, repair of the roadway within the park to include curbing, and replacement of Shelter 3 with an open/highly visible shelter for safety

Playground Improvements:

- Maury Park - playground equipment replacement
- Old Mill Park – new playground for older children
- Memorial Park - seesaw replacement
- W.L. Harris Park - the addition of an ADA accessible driveway and pathway into the park and fence repairs



OPERATING IMPACT SUMMARY

There are additional operating costs for the Dixon Inline Skate Rink.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Dixon Inline Skating	0	143,000	75,000	100,000	0	0	0	318,000	
Doris E. Buffett Pool Improvements		25,000	25,000		0	0	0	50,000	
Hurkamp Wall		0	0	90,000	0	0	0	90,000	
Old Mill Park		0	135,000	0	0	0	0	135,000	
Playground Equipment		0	43,500	66,000	0	0	0	109,500	
Total		\$168,000	\$278,500	\$256,000	\$0	\$0	\$0	\$702,500	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	108,000	278,500	256,000	0	0	0	642,500	
Other Local Revenues	0	60,000	0	0	0	0	0	60,000	
Total		168,000	278,500	256,000	0	0	0	\$702,500	

Bass Ellison Improvements

Total Project Cost: \$50,000 **Estimated Opening Date:** FY 2022

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Facilities

PROGRAM DESCRIPTION

The Bass-Ellison Building houses the Department of Social Services and the Health Department. The project is for the renovation of the restrooms (primarily used by staff) to improve compliance with the American with Disabilities Act.

Renovations of the lobby restroom are scheduled for completion in Summer of 2018.

OPERATING IMPACT SUMMARY

None.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		0	0	0	50,000	0	0	50,000	
Total		\$0	\$0	\$0	\$50,000	\$0	\$0	\$50,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer		0	0	0	50,000	0	0	50,000	
Total		\$0	\$0	\$0	\$50,000	\$0	\$0	\$50,000	

CRRL - Theater Room

Total Project Cost: \$70,000 **Estimated Opening Date:** FY 2020

City Council's Vision: Building Community Through Cultural Vibrancy

Department/Agency: Public Facilities

NEW in FY 2019

PROGRAM DESCRIPTION

Renovations to the theater room will include the demolition of two existing rooms to create a larger theater space. Seating capacity will increase to about 250 from 180.



OPERATING IMPACT SUMMARY

None.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		0	70,000	0	0	0	0	70,000	
Total		\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer		0	70,000	0	0	0	0	70,000	
Total		\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000	

City Hall Restroom Renovation

Total Project Cost: \$60,000 **Estimated Opening Date:** FY 2020

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Facilities

PROGRAM DESCRIPTION

Refurbish one set of restrooms in City Hall to enhance ADA accessibility.



OPERATING IMPACT SUMMARY

None.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construciton		0	60,000	0	0	0	0	60,000	
Total		\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	60,000	0	0	0	0	60,000	
Total	\$0	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000	

Dorothy Hart Community Center

Total Project Cost: \$102,000 **Estimated Opening Date:** FY 2020

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Facilities



PROGRAM DESCRIPTION

Various improvements to the Dorothy Hart Community Center including the replacement of the ramp and deck, the replacement of the fire alarm panel, the replacement of carpet and tile and parking lot improvements.

OPERATING IMPACT SUMMARY

None.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		0	102,000	0	0	0	0	102,000	
Total		\$0	\$102,000	\$0	\$0	\$0	\$0	\$102,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	102,000	0	0	0	0	102,000	
Total	\$0	\$0	\$102,000	\$0	\$0	\$0	\$0	\$102,000	

Energy Retrofit

Total Project Cost: \$410,000 **Estimated Opening Date:** FY 2020
Department/Agency: Public **NEW in FY**
 Facilities **2019**

City Council's Vision: Public Service - The Backbone of Our Community

PROGRAM DESCRIPTION

City Staff routinely evaluates facilities to identify areas where efficiencies in energy usage may be achieved.

OPERATING IMPACT SUMMARY

Ongoing energy usage should decrease and operating costs should be lower as a result.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Electric Meter Monitoring		0	40,000	0	0	0	0	40,000	
Lighting / Plug Control Upgrades		0	50,000	0	0	0	0	50,000	
Lighting Retrofits and Controls		0	0	260,000	0	0	0	260,000	
Solar Panels and Bass-Ellison		0	0	0	60,000	0	0	60,000	
Total		\$0	\$90,000	\$260,000	\$60,000	\$0	\$0	\$410,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	90,000	260,000	60,000	0	0	410,000	
Total	\$0	\$0	\$90,000	\$260,000	\$60,000	\$0	\$0	\$410,000	

Executive Center Plaza

Total Project Cost: \$3,290,000 **Estimated Opening Date:** FY 2019 **City Council's Vision:** Employment Epicenter

Department/Agency: City Manager's Office



PROGRAM DESCRIPTION

The Executive Plaza is a 42,000 square foot, seven floor office building built in 1974. It currently houses the Commonwealth's Attorney Office including the Victim Witness and Domestic Violence Programs, the City Attorney's Office, Fire Administration, the Fire Training Center (which is used by other City Departments), Information Technology, Parking, Safety & Risk Management, the Voter Registrar and the Drug Court. Improvements include the replacement of the heating, venting and air conditioning (HVAC) system and various other renovations.

The HVAC system is aged and not as energy efficient as newer systems. A recent capacity evaluation determined that it generates only one-half of heating and air condition needs. The recommended replacement is a Variable Refrigerant Flow (VRF) system which is extremely energy efficient and can be installed after hours without disrupting operations.

The facade and landscaping improvements would create a more appropriate setting for City Offices. The estimate includes renovations to the lobby, the 3rd floor, the 4th floor and other major maintenance items.

OPERATING IMPACT SUMMARY

These are existing City facilities.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary	90,000	0	0	0	0	0	0	90,000	
HVAC	0	2,000,000	0	0	0	0	0	2,000,000	
Building Renovations& Major Maintener	0	900,000	0	0	0	0	0	900,000	
Façade and Landscaping	0	300,000	0	0	0	0	0	300,000	
Total	\$90,000	\$3,200,000	\$0	\$0	\$0	\$0	\$0	\$3,290,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance	0	3,200,000	0	0	0	0	0	3,200,000	
General Fund Transfer	90,000	0	0	0	0	0	0	90,000	
Total	90,000	3,200,000	0	0	0	0	0	\$3,290,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	0	120,352	240,703	240,703	240,703	240,703	1,323,869
Total		\$120,352	\$240,703	\$240,703	\$240,703	\$240,703	\$1,323,869

Museum (Historic Town Hall / Market House)

Total Project Cost: \$51,000 **Estimated Opening Date:** FY 2019

City Council's Vision: A Proven Leader in Historic Preservation

Department/Agency: Public Facilities **NEW in FY 2019**

PROGRAM DESCRIPTION

The City owns and maintains the historic Town Hall/Market House, which houses the Fredericksburg Area Museum. Staff has identified needed repairs to the building's foundation. Staff has requested funding of an analysis to determine the extent of the foundation issue and detailed specifications for the repairs.

This request also includes funds to repair the museum soffits and vents where the wood is rotted and missing.

OPERATING IMPACT SUMMARY

The proposed study will identify future repairs to maintain this historioc asset.



PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Foundation Study		35,000	0	0	0	0	0	35,000	
Soffit Repairs		16,000	0	0	0	0	0	16,000	
Total		\$51,000	\$0	\$0	\$0	\$0	\$0	\$51,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	51,000	0	0	0	0	0	51,000	
Total	\$0	\$51,000	\$0	\$0	\$0	\$0	\$0	\$51,000	

Roof Repair & HVAC Maintenance

Total Project Cost: \$850,000 **Estimated Opening Date:** Ongoing

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Facilities

PROGRAM DESCRIPTION

The City of Fredericksburg owns numerous public buildings and structures. These funds will be used to replace aged facilities as they reach the end of their useful life to ensure that the City provides safe and comfortable locations for the public and employees.

OPERATING IMPACT SUMMARY

None. Replacement of existing assets.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
HVAC		50,000	75,000	75,000	75,000	75,000	75,000	425,000	
Roof Repair		50,000	75,000	75,000	75,000	75,000	75,000	425,000	
Total		\$100,000	\$150,000	\$150,000	\$150,000	\$150,000	150,000	\$850,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	150,000	150,000	150,000	150,000	150,000	750,000	
Prior Year Capital Fund Balance	0	100,000	0	0	0	0	0	100,000	
Total	\$0	100,000	150,000	150,000	150,000	150,000	150,000	\$850,000	

Train Station Sidewalk Improvements

Total Project Cost: \$90,000 **Estimated Opening Date:** FY 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Transportation **NEW in FY 2019**

PROGRAM DESCRIPTION

As part of a series of general improvements at the downtown rail station, VRE is going to rehabilitate the concrete railway viaducts over four City streets. When this work is completed, the underpasses will be clean and have their exterior integrity restored. While VRE has right-of-access from CSX, the City can provide the finishing touch on the refurbished underpasses by replacing the worn, cracked, uplifted sidewalks that are also caked in mineral deposits from overhead leaks. The sidewalks in question are where the railway crosses over Charles, Princess Anne, Caroline, and Sophia Streets.



OPERATING IMPACT SUMMARY

None.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		90,000	0	0	0	0	0	90,000	
Total		\$90,000	\$0	\$0	\$0	\$0	\$0	\$90,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	90,000	0	0	0	0	0	90,000	
Total	\$0	\$90,000	\$0	\$0	\$0	\$0	\$0	\$90,000	

Visitor's Center

Total Project Cost: \$102,000 **Estimated Opening Date:** FY 2021

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Facilities **NEW in FY 2019**

PROGRAM DESCRIPTION

The project includes repairs to the brickwork and a foundation leak analysis. Repairs will depend upon whether or not the City decides to sell the building that currently houses the Visitor's Center.

OPERATING IMPACT SUMMARY

The proposed study will identify future repairs to maintain this historic asset.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Visitor's Center			0	102,000	0	0	0	102,000	
	0	0	0	0	0	0	0	0	
Total		\$0	\$0	\$102,000	\$0	\$0	\$0	\$102,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer	0	0	0	102,000	0	0	0	102,000	
Total	\$0	\$0	\$0	\$102,000	\$0	\$0	\$0	\$102,000	

FY 2019 -2024 Adopted CIP - Public Safety Capital Fund

Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
<u>Police</u>							
Animal Shelter	160,000	80,000	95,000	95,000	95,000	0	\$525,000
Police Camera System	120,000	105,000	105,000	145,000	125,000	0	\$600,000
<u>Fire</u>							
Ambulance, Dive Vehicle & Fire Apparatus	325,000	945,000	1,750,000	800,000	1,100,000	1,750,000	\$6,670,000
Fire Station - New	675,000	0	6,175,000	0	0	0	\$6,850,000
Total	\$1,280,000	\$1,130,000	\$8,125,000	\$1,040,000	\$1,320,000	\$1,750,000	\$14,645,000

Funding Sources	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Debt Issuance	325,000	945,000	7,925,000	800,000	1,100,000	1,750,000	\$12,845,000
General Fund Transfer	280,000	185,000	200,000	240,000	220,000	0	\$1,125,000
Prior Year Capital Fund Balance	675,000	0	0	0	0	0	675,000
Total	\$1,280,000	\$1,130,000	\$8,125,000	\$1,040,000	\$1,320,000	\$1,750,000	\$14,645,000

Operating Impacts	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Personnel	0	105,000	105,000	145,000	125,000	986,986	1,466,986
Operating	0	0	0	253,000	57,000	58,000	368,000
Debt Service	20,035	40,070	156,579	836,821	935,454	1,071,074	3,060,033
Revenue	0	0	0	(47,013)	(47,530)	(48,053)	(142,596)
Total	\$20,035	\$145,070	\$261,579	\$1,187,808	\$1,069,924	\$2,068,007	\$4,752,423

Animal Shelter

Total Project Cost: \$525,000 **Estimated Opening Date:** FY 2020

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Police; Spotsylvania County

PROGRAM DESCRIPTION

State law requires all localities to maintain public animal shelters. Localities may, instead of operating their own shelter, contract with other localities for use of the other locality's shelter. Spotsylvania County currently owns and maintains an animal shelter on its property at 450 TV Drive. The County and the City have had an agreement since April 1, 2010 for use of this animal shelter by both localities. In regard to capital improvements, the agreement specifies that the City and County agree to work together in good faith to identify the portion of the cost for such improvements reasonably chargeable to the City. This agreement has a much lower fiscal impact than the City would incur if it maintained its own animal shelter. The total project cost, as estimated by Spotsylvania County, is \$3.23 million.

OPERATING IMPACT SUMMARY

Improvements are needed to bring the County shelter into compliance with State mandated standards.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Animal Shelter		160,000	80,000	95,000	95,000	95,000	0	525,000	
Total		\$160,000	\$80,000	\$95,000	\$95,000	\$95,000	\$0	\$525,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer		160,000	80,000	95,000	95,000	95,000	0	525,000	
Total		\$160,000	\$80,000	\$95,000	\$95,000	\$95,000	\$0	\$525,000	

Police Camera System

Total Project Cost: \$600,000

Estimated Opening Date: Ongoing

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Police

PROGRAM DESCRIPTION

The value of the camera technology to increase officer safety through the documentation of evidence concerning observed criminal activity and assaults against police officers is incalculable. Nearly of equal value to agency management is the modification of behavior that takes place when an officer and citizen know that their actions are being recorded, and the mitigation of complaints. These advantages serve to strengthen the overall accountability of the agency and increase the public's trust in the professionalism of the individual officers who serve the community.



OPERATING IMPACT SUMMARY

Footage is reviewed by staff within the Commonwealth's Attorney's Office. It is anticipated that future budget requests will include an additional position in the Commonwealth's Attorney office.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Data Storage, Cameras		120,000	105,000	105,000	145,000	125,000	0	600,000	
Total		\$120,000	\$105,000	\$105,000	\$145,000	\$125,000	\$0	\$600,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
General Fund Transfer		120,000	105,000	105,000	145,000	125,000	0	600,000	
Total		\$120,000	\$105,000	\$105,000	\$145,000	\$125,000	\$0	\$600,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Personnel	0	101,987	103,109	104,243	106,549	107,721	523,609
Total	\$0	\$101,987	\$103,109	\$104,243	\$106,549	\$107,721	\$523,609

Ambulance, Dive Vehicle & Fire Apparatus

Total Project Cost: \$6,670,000

Estimated Opening Date: Ongoing

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Fire



PROGRAM DESCRIPTION

These types of apparatus are the lifeline on which fire suppression organizations are able to meet our mission statement “to protect and serve those who live, work or visit the City of Fredericksburg by providing highly trained courteous professional personnel for rapid response to their needs”. The City replaces ambulances, fire apparatus, and emergency vehicle as part of an ongoing fleet replacement program.

The Fredericksburg Fire Department EMS provides coverage 24 hours a day, 7 days a week with assistance from the Fredericksburg Rescue Squad during evening and weekends. The funding in FY19 will replace a unit for the Fire Department and the funding in FY20 will replace a unit for the Rescue Squad.

The Fire Apparatus replacement funding is for Fire Engine 1 in FY20 and the Fire Tower 1 (ladder truck) in FY21.

The City is also replacing the vehicle and associated equipment for the City's Dive and Water Recovery Team in FY21.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Ambulance		325,000	270,000	0	0	350,000	0	945,000	
Dive Vehicle		0	0	250,000	0	0	0	250,000	
Fire Apparatus		0	675,000	1,500,000	800,000	750,000	1,750,000	5,475,000	
Total		\$325,000	\$945,000	\$1,750,000	\$800,000	\$1,100,000	\$1,750,000	\$6,670,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance		325,000	945,000	1,750,000	800,000	1,100,000	1,750,000	6,670,000	
Total		\$325,000	\$945,000	\$1,750,000	\$800,000	\$1,100,000	\$1,750,000	\$6,670,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	20,035	40,070	156,579	372,339	470,971	606,591	1,666,585
Total	\$20,035	\$40,070	\$156,579	\$372,339	\$470,971	\$606,591	\$1,666,585

Fire Station - New

Total Project Cost: \$6,850,000 **Estimated Opening Date:** FY 2023

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Fire

PROGRAM DESCRIPTION

The Fire Department currently provides service from two stations strategically located within the city limits. Due to increasing call volume, new construction and extended response times, it has become necessary to construct and occupy a new station within the city limits to meet NFPA guidelines for response times for both emergency medical and fire suppression calls.

During FY 2018, the City completed a fire station location study to determine the type and location of the new station. Options include building a third station or building a new superstation which would replace one or both of the existing stations. Results are currently under evaluation. Once a decision has been finalized, the estimate will be refined.

These figures include construction, furniture, fixtures, and equipment to make the building fully functional.

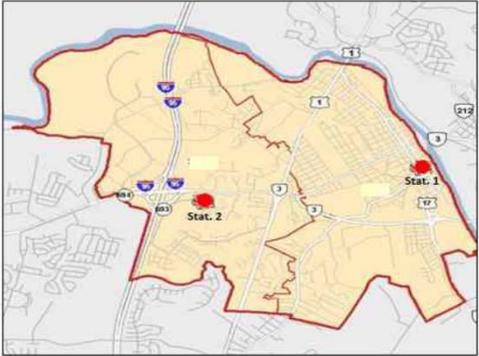
OPERATING IMPACT SUMMARY

Operating impacts include salaries and benefits for six additional firefighters in FY 2021 and six more in FY 2022. The City will pursue SAFER grant funding for personnel costs. If successful, the personnel costs could be covered up to 100% for three years.

Building operating costs start at approximately \$56,000 in FY 2022. FY 2022 also includes approximately \$197,000 in start-up costs.

Certain Fire Department equipment and vehicles are currently housed in a leased facility. The amount of space leased for the fire department could be reduced. This is reflected in the revenue/saving line.

Current Fire Station Locations



PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary		675,000	0	0	0	0	0	675,000	
Construction	0	0	0	6,175,000	0	0	0	6,175,000	
Total		\$675,000	\$0	\$6,175,000	\$0	\$0	\$0	\$6,850,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance		0	0	6,175,000	0	0	0	6,175,000	
Prior Year Capital Fund Balance		675,000	0	0	0	0	0	675,000	
Total		\$0	\$0	\$6,175,000	\$0	\$0	\$0	\$6,850,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Personnel	0	0	425,438	860,236	869,699	879,265	3,034,638
Operating	0	0	0	253,000	57,000	58,000	368,000
Debt Service	0	0	0	464,482	464,482	464,482	1,393,447
Revenue/Savings	0	0	0	(47,013)	(47,530)	(48,053)	(142,596)
Total	\$0	\$0	\$425,438	\$1,530,705	\$1,343,651	\$1,353,694	\$4,653,489

FY 2019 -2024 Adopted CIP - Court Capital Fund

Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
General District Court - 2nd Courtroom	0	519,000	0	0	0	0	519,000
Total	\$0	\$519,000	\$0	\$0	\$0	\$0	\$519,000

Funding Sources	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Prior Year Capital Fund Balance	0	519,000	0	0	0	0	519,000
Total	\$0	\$519,000	\$0	\$0	\$0	\$0	\$519,000

Operating Impacts	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Personnel	0	0	0	0	0	0	0
Operating	0	0	12,000	12,000	12,000	12,000	48,000
Debt Service	0	0	0	0	0	0	0
Total	\$0	\$0	\$12,000	\$12,000	\$12,000	\$12,000	\$48,000

General District Court - 2nd Courtroom

Total Project Cost: \$519,000 **Estimated Opening Date:** 2020

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Facilities

PROGRAM DESCRIPTION

Complete and furnish the 2nd General District courtroom. Also included are improvements to the Security Desk as requested by the Sheriff.



OPERATING IMPACT SUMMARY

Additional utilities will be minimal. However, the City may face an increase in operating costs for additional security or building maintenance needs.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		0	519,000	0	0	0	0	519,000	
Total		\$0	\$519,000	\$0	\$0	\$0	\$0	\$519,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Prior Year Capital Fund Balance		0	519,000	0	0	0	0	519,000	
Total		\$0	\$519,000	\$0	\$0	\$0	\$0	\$519,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Personnel	0	0	0	0	0	0	0
Operating	0	0	12,000	12,000	12,000	12,000	48,000
Debt Service	0	0	0	0	0	0	0
Total	\$0	\$0	\$12,000	\$12,000	\$12,000	\$12,000	\$48,000

FY 2019 -2024 Adopted CIP - Water System Improvement Fund

Projects	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Internal System Improvements	400,000	350,000	350,000	350,000	250,000	250,000	1,950,000
College Heights Water Line Replacement (Phase II)	0	0	0	350,000	350,000	350,000	1,050,000
College Terrace (Lower College Heights) Water Line Replacement	650,000	0	0	0	0	0	650,000
Greenbrier Water Main Improvements	1,000,000	0	0	0	0	0	1,000,000
Motts Run Water Plant Solids Dewatering System	25,000	0	0	0	0	0	25,000
Motts Run Water Plant Expansion	125,000	0	0	0	8,350,000	8,350,000	16,825,000
Total	\$2,200,000	\$350,000	\$350,000	\$700,000	\$8,950,000	\$8,950,000	\$21,500,000

Funding Sources	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Debt Issuance	1,650,000	0	0	0	8,350,000	8,350,000	18,350,000
System Revenues	550,000	350,000	350,000	700,000	600,000	600,000	3,150,000
Total	\$2,200,000	\$350,000	\$350,000	\$700,000	\$8,950,000	\$8,950,000	\$21,500,000

Operating Impacts	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Debt Service	62,056	124,113	124,113	124,113	124,113	124,113	682,620
Total	\$62,056	\$124,113	\$124,113	\$124,113	\$124,113	\$124,113	\$682,620

Internal System Improvements

Total Project Cost: \$1,950,000 **Estimated Opening Date:** Ongoing

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

The City maintains contingency funding in the Water Fund and in the Wastewater Fund for small line replacements or additions that may arise throughout the course of the year. Although the City has invested heavily in line replacements and a good portion of the system is newly constructed, there are many sections of the City that are served with water and wastewater lines that are significantly older and nearing the end of their useful life.

OPERATING IMPACT SUMMARY

Replacement of existing assets.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		400,000	350,000	350,000	350,000	250,000	250,000	1,950,000	
Total		\$400,000	\$350,000	\$350,000	\$350,000	\$250,000	\$250,000	\$1,950,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
System Revenues		400,000	350,000	350,000	350,000	250,000	250,000	1,950,000	
Total		\$400,000	\$350,000	\$350,000	\$350,000	\$250,000	\$250,000	\$1,950,000	

College Heights Water Line Replacement (Phase II)

Total Project Cost: \$1,050,000 **Estimated Opening Date:** 2022-2024 **City Council's Vision:** Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

The City of Fredericksburg has been working in the College Heights neighborhood for work to replace aging lines in the neighborhood. In addition, a second water tap has been provided to the main transmission line along Jefferson Davis Highway. The FY 2016 funding represents the completion of the original project, which greatly improved fire flows and water service to the University and to the neighborhood.

The future years represents funding based upon the Wiley and Wilson study for additional main line replacements throughout the neighborhood. The City would need to borrow the funding necessary to complete this work.

OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Construction		0	0	0	350,000	350,000	350,000	1,050,000	
Total		\$0	\$0	\$0	\$350,000	\$350,000	\$350,000	\$1,050,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
System Revenues		0	0	0	350,000	350,000	350,000	1,050,000	
Total		\$0	\$0	\$0	\$350,000	\$350,000	\$350,000	\$1,050,000	

College Terrace (Lower College Heights) Water Line Replacement

Total Project Cost: \$650,000 **Estimated Opening Date:** 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

This project includes replacement of water pipe in the College Terrace (Lower College Heights) area. This improvement is included in a larger design-build project that will begin in Summer of 2018. (PPEA - 2017)

OPERATING IMPACT SUMMARY

Replacement of deteriorating portions of the water system are required to maintain the necessary water quality and fire protection for the citizens of the City.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Construction		650,000	0		0	0	0	650,000	
Total		\$650,000	\$0	\$0	\$0	\$0	\$0	\$650,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Debt Issuance		650,000	0	0	0	0	0	650,000	
Total		\$650,000	\$0	\$0	\$0	\$0	\$0	\$650,000	

Operating Impacts	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Debt Service		24,446	48,893	48,893	48,893	48,893	48,893	268,911	
Total		\$24,446	\$48,893	\$48,893	\$48,893	\$48,893	\$48,893	\$268,911	

Greenbrier Water Main Improvements

Total Project Cost: \$1,000,000 **Estimated Opening Date:** 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

This existing six inch water line is insufficient. The project is the installation of 3,100 linear feet of 12-inch ductile iron waterline, 5 fire hydrants, eight 12-inch gate valves, two 8-inch valves, two 6-inch valves and 3 connections. This improvement is included in a larger design-build project that will begin in Summer of 2018. (PPEA - 2017)

OPERATING IMPACT SUMMARY

Replacement of deteriorating portions of the water system are required to maintain the necessary water quality and fire protection for the citizens of the City.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Construction		1,000,000	0		0	0	0	1,000,000	
Total		\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Debt Issuance		1,000,000	0	0	0	0	0	1,000,000	
Total		\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000	

Operating Impacts	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL
Debt Service		37,610	75,220	75,220	75,220	75,220	75,220	413,709
Total		\$37,610	\$75,220	\$75,220	\$75,220	\$75,220	\$75,220	\$413,709

Motts Run Water Plant Solids Dewatering System

Total Project Cost: \$25,000 **Estimated Opening Date:** 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works; Spotsylvania County

PROGRAM DESCRIPTION

Funding is requested for preliminary engineering. The project will upgrade and expand the solids handling facility at the Motts Run Water Treatment Plant in Spotsylvania County. Drying beds will be constructed to reduce the volume of wastewater and solids discharged into the sanitary sewer. The facility will be partially covered and heated to prevent ice formation during winter. Without upgrades, the drying beds will continue to have ice breakage which results in downtime and increased operating costs. The Motts Run Plant presently pumps approximately 70,000 gallons per day into the sanitary sewer. The project will significantly reduce this discharge.

The cost represents the City's share of a project managed by Spotsylvania County.

OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary Engineering	0	25,000	0	0	0	0	0	25,000	
Total	Ongoing	\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
System Revenues		25,000	0	0	0	0	0	25,000	
Total		\$25,000	\$0	\$0	\$0	\$0	\$0	\$25,000	

Motts Run Water Plant Expansion

Total Project Cost: \$16,825,000 **Estimated Opening Date:** 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works; Spotsylvania County

PROGRAM DESCRIPTION

The City of Fredericksburg and Spotsylvania County jointly provide the capital for the Motts Run water Plant. It is anticipated that an expansion of the facility will be required in the future. Initial engineering is planned for FY 2019, with construction proposed to begin in FY 2023. The cost represents the City's share of a project managed by Spotsylvania County.

OPERATING IMPACT SUMMARY

To be determined

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary Engineering	0	125,000	0	0	0	0	0	125,000	
Construction	0	0	0	0	0	8,350,000	8,350,000	16,700,000	
Total	Ongoing	\$125,000	\$0	\$0	\$0	\$8,350,000	\$8,350,000	\$16,825,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance		0	0	0	0	8,350,000	8,350,000	16,700,000	
System Revenues		125,000	0	0	0	0	0	125,000	
Total		\$125,000	\$0	\$0	\$0	\$8,350,000	\$8,350,000	\$16,825,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	0	0	0	0	628,086	628,086	1,256,171
Total	\$0	\$0	\$0	\$0	\$628,086	\$628,086	\$1,256,171

FY 2019 -2024 Adopted CIP - Wastewater Improvement Fund

Projects*	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Inflow & Infiltration Abatements, Sewer System Improvements & Pump Station Upgrades	630,000	650,000	720,000	600,000	600,000	620,000	3,820,000
Caroline Street Sewer Line Replacements	2,000,000	0	0	0	0	0	2,000,000
College Terrace	800,000	0	0	0	0	0	800,000
NPS / Farrell Lane Line Replacement	350,000	0	2,000,000	600,000	0	0	2,950,000
Rolling Stock	585,000	0	0	0	0	0	585,000
Wastewater Treatment Plant (WWTP) Capital Maintenance	150,000	770,000	100,000	100,000	140,000	100,000	1,360,000
WWTP Upgrade / Consolidation	3,810,000	2,000,000	8,500,000	8,500,000	8,000,000	0	30,810,000
Total	\$8,325,000	\$3,420,000	\$11,320,000	\$9,800,000	\$8,740,000	\$720,000	\$42,325,000

Funding Sources	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Debt Issuance	7,545,000	2,000,000	10,500,000	9,100,000	8,000,000	0	37,145,000
System Revenues	780,000	1,420,000	820,000	700,000	740,000	720,000	5,180,000
Total	\$8,325,000	\$3,420,000	\$11,320,000	\$9,800,000	\$8,740,000	\$720,000	\$42,325,000

Operating Impacts	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	CIP Total
Debt Service	118,471	523,530	673,970	1,463,778	2,148,278	2,750,037	7,678,065
Total	\$118,471	\$523,530	\$673,970	\$1,463,778	\$2,148,278	\$2,750,037	\$7,678,065

* Includes the revised estimates for College Terrace as amended by City Council on June 24, 2018 through Resolution 18-53.

Inflow & Infiltration Abatements, Sewer System Improvements & Pump Station Upgrades

Total Project Cost: \$3,820,000 **Estimated Opening Date:** Ongoing

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

The City maintains funding in the Wastewater Fund for small line replacements or additions and pump station upgrades that may arise throughout the course of the year. Although the City has invested heavily in line replacements and a good portion of the system is newly constructed, there are many sections of the City that are served with wastewater lines and pump stations (including grinders) that are significantly older and nearing the end of their useful life.

OPERATING IMPACT SUMMARY

These projects represent maintenance or enhancement of existing assets.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Inflow and Infiltration	Ongoing	300,000	450,000	400,000	400,000	400,000	300,000	2,250,000	Ongoing
Sewer System Improvements	Ongoing	100,000	200,000	200,000	200,000	200,000	200,000	1,100,000	Ongoing
Pump Station Upgrades		100,000	0	120,000	0	0	120,000	340,000	Ongoing
Grinder for Celebrate Virginia Pump Station		130,000	0	0	0	0	0	130,000	
Total		\$630,000	\$650,000	\$720,000	\$600,000	\$600,000	\$620,000	\$3,820,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
System Revenues	Ongoing	630,000	650,000	720,000	600,000	600,000	620,000	3,820,000	Ongoing
Total		\$630,000	\$650,000	\$720,000	\$600,000	\$600,000	\$620,000	\$3,820,000	

Caroline Street Sewer Line Replacements

Total Project Cost: \$2,000,000 **Estimated Opening Date:** 2020 **City Council's Vision:** Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

The sanitary sewer system will be upgraded through the installation of approximately 1,500 linear feet of eight inch PVC sewer line and three manholes on Caroline Street from Wolfe Street south. This improvement is included in a larger design-build project that will begin in Summer of 2018. (PPEA - 2017)

OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Construction		2,000,000	0	0	0	0	0	2,000,000	
Total		\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Debt Issuance		2,000,000	0	0	0	0	0	2,000,000	
Total		\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$2,000,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL
Debt Service	75,220	150,440	150,440	150,440	150,440	150,440	827,418
Total	\$75,220	\$150,440	\$150,440	\$150,440	\$150,440	\$150,440	\$827,418

College Terrace

Total Project Cost: \$800,000 **Estimated Opening Date:** 2020 **City Council's Vision:** Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

The sanitary sewer system in the College Terrace neighborhood (Lower College Heights) will be upgraded through the installation of approximately 1,500 linear feet of eight inch PVC sewer line and three manholes. This improvement is included in a larger design-build project that will begin in Summer of 2018. (PPEA - 2017)

Please note the project budget was revised to \$800,000 from \$350,000 after a more detailed assessment of the condition of the current sewer lines. City Council amended the budget through Resolution 18-53 on June 26, 2018.

OPERATING IMPACT SUMMARY

PROJECT COSTS*

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Construction		800,000	0	0	0	0	0	800,000	
<i>* Reflects revised estimate.</i>		0	0	0	0	0	0	0	
Total		\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000	
Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	Later Years
Debt Issuance		800,000	0	0	0	0	0	800,000	
Total		\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000	
Operating Impacts		FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2022	TOTAL	
Personnel		0	0	0	0	0	0	0	
Debt Service		30,088	60,176	60,176	60,176	60,176	60,176	330,967	
Total		\$30,088	\$60,176	\$60,176	\$60,176	\$60,176	\$60,176	\$330,967	

NPS / Farrell Lane Line Replacement

Total Project Cost: \$2,950,000 **Estimated Opening Date:** 2019-2021 **City Council's Vision:** Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

The City owns and maintains a gravity flow sanitary sewer line located on National Park Service property east of Lafayette Boulevard. This line flows north approximately parallel to Lafayette Boulevard from the south City limits toward and eventually into the Hazel Run Interceptor Sewer near the Blue and Gray Parkway.

This line is aged and needs to be replaced. The funds will be used to perform initial due diligence work associated with determining a schedule, scope and cost for obtaining the various permits that will be needed to replace the line. Permits may be required from the National Park Service, the Virginia Department of Historic Resources, Virginia Department of Environmental Quality, the US Army Corps of Engineers or other agencies with jurisdiction over any aspect of the project. Additional work will consist of topographic and alignment survey and preliminary and final project design. The design and preliminary work is included in a larger design-build project that will begin in Summer of 2018. (PPEA - 2017)

Construction is estimated to begin in 2021. The estimate may be revised as design progresses.

OPERATING IMPACT SUMMARY

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Preliminary (Design & Permitting)	0	350,000	0	0	0	0	0	350,000	
Construction	0	0	0	2,000,000	600,000	0	0	2,600,000	
Total		\$350,000	\$0	\$2,000,000	\$600,000	\$0	\$0	\$2,950,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance		350,000	0	2,000,000	600,000	0	0	2,950,000	
Total		\$350,000	\$0	\$2,000,000	\$600,000	\$0	\$0	\$2,950,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	13,163	26,327	26,327	176,767	221,899	221,899	686,381
Total	\$13,163	\$26,327	\$26,327	\$176,767	\$221,899	\$221,899	\$686,381

Rolling Stock

Total Project Cost: \$585,000

Estimated Opening Date: 2019

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

Periodic replacement of specialty equipment is needed for the efficient operating of the sewer collection system.

OPERATING IMPACT SUMMARY

Replacement of aged assets.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Camera Van		175,000	0	0	0	0	0	175,000	
Jet / Vacuum Combination Sewer Truck		410,000	0	0	0	0	0	410,000	
Total		\$585,000	\$0	\$0	\$0	\$0	\$0	\$585,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance		585,000	0	0	0	0	0	585,000	
Total		\$585,000	\$0	\$0	\$0	\$0	\$0	\$585,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Debt Service	22,002	44,004	44,004	44,004	44,004	44,004	242,020
Total	\$22,002	\$44,004	\$44,004	\$44,004	\$44,004	\$44,004	\$242,020

Wastewater Treatment Plant (WWTP) Capital Maintenance

Total Project Cost: \$1,360,000 **Estimated Opening Date:** Ongoing

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works

PROGRAM DESCRIPTION

Periodic capital maintenance projects are required to keep the wastewater treatment plant (WWTP) running efficiently. Funds will be used to perform scheduled capital maintenance and for major capital projects that are identified as needs arise. These replacements are important not only to keep the plant running efficiently, but also to maintain compliance with the City's permit from the Commonwealth's Department of Environmental Quality (DEQ).

Maintenance projects include replacement of the SCADA system which is the networked computer data monitoring system, annual pump replacements, relining of an effluent tank, and replacement of grit separators.

OPERATING IMPACT SUMMARY

Maintenance of existing capital asset to maintain operating efficiency at the WWTP.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
SCADA Replacement	0	0	150,000	0	0	0	0	150,000	
Pump Replacement	0	140,000	100,000	100,000	100,000	140,000	100,000	680,000	
Effluent Tank Relining	0	10,000	400,000	0	0	0	0	410,000	
Grit Separators		0	120,000	0	0	0	0	120,000	
Total	Ongoing	\$150,000	\$770,000	\$100,000	\$100,000	\$140,000	\$100,000	\$1,360,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
System Revenues		150,000	770,000	100,000	100,000	140,000	100,000	1,360,000	
Total		\$150,000	\$770,000	\$100,000	\$100,000	\$140,000	\$100,000	\$1,360,000	

WWTP Upgrade / Consolidation

Total Project Cost: \$30,810,000 **Estimated Opening Date:** To Be Determined

City Council's Vision: Public Service - The Backbone of Our Community

Department/Agency: Public Works; Spotsylvania County

PROGRAM DESCRIPTION

At the present time there are three sewage treatment plants discharging into the Rappahannock River within 3 miles, namely the City's WWTP as well as two in Spotsylvania County (the FMC plant and the Massaponax WWTP.) The City plant is in need of rehabilitation and requires upgrading. The City and the County Utility Staffs jointly contracted an analysis of long range sewer treatment needs. The Consultants looked at several alternatives including consolidation of the three facilities, and continued operation of the three plants. This is an ongoing discussion and refinement of the project cost and scope are expected in the near future.

OPERATING IMPACT SUMMARY

As decisions regarding the consolidation are made and plans progress, a more detailed analysis of operating costs will be presented.

PROJECT COSTS

Cost Categories	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Hazel Run Pump Station and Force Main*		2,750,000	2,000,000	0	0	0	0	4,750,000	
Massaponax Expansion*		1,060,000	0	8,500,000	8,500,000	8,000,000	0	26,060,000	
Force Main - City Plant PS to Massaponax		0	0	0	0	0	0	0	<i>To Be Determined</i>
Decommissioning City Plant		0	0	0	0	0	0	0	<i>To Be Determined</i>
* City's share of project managed by Spotsylvania County		0	0	0	0	0	0	0	<i>To Be Determined</i>
Total		\$3,810,000	\$2,000,000	\$8,500,000	\$8,500,000	\$8,000,000	\$0	\$30,810,000	

Funding Sources	Prior Years	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Debt Issuance		3,810,000	2,000,000	8,500,000	8,500,000	8,000,000	0	30,810,000	
Total		\$3,810,000	\$2,000,000	\$8,500,000	\$8,500,000	\$8,000,000	\$0	\$30,810,000	

Operating Impacts	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL	Later Years
Personnel	0	0	0	0	0	0	0	<i>To Be Determined</i>
Operating	0	0	0	0	0	0	0	<i>To Be Determined</i>
Debt Service	0	286,588	437,027	1,076,396	1,715,764	2,317,523	5,833,298	<i>To Be Determined</i>
Revenue/Savings	0	0	0	0	0	0	0	<i>To Be Determined</i>
Total	\$0	\$286,588	\$437,027	\$1,076,396	\$1,715,764	\$2,317,523	\$5,833,298	

FY 2019 CIP Ties to the Fredericksburg City Council 2036 Vision Statement

PUBLIC SERVICES—THE BACKBONE OF OUR COMMUNITY

- Rolling Stock
- Salt Storage Building
- Arterial traffic signage replacement
- Asphalt & Concrete Repairs
- Central Park Improvements
- IT Disaster Resilience Plan Implementation
- Police Voice over IP Phone System
- Technology Replacements
- Roof Repair, HVAC
- Train Station Sidewalk Improvements
- Animal Shelter
- Police Body Cameras
- Ambulance
- New Fire Station – Design

LEARNING IS A WAY OF LIFE

- School Buses
- Computer Technology
- Carpets, Roof, Facilities Improvements (FY19 JM Library)
- Equipment Replacement
- School Bus Lot Lease
- JMHS/WGMS Expansion Feasibility Study

EMPLOYMENT EPICENTER

- Sophia Street Parking Garage Maintenance Project
- Exec Center Plaza

DISTINCT AND LINKED NEIGHBORHOODS

- Kensington Connector
- Pathway Improvements (Idelwild Connector & Embry Dam Trail)
- Fall Hill Avenue Sidewalks
- Planning Area Plan Updates

BUILDING COMMUNITY THROUGH CULTURAL VIBRANCY

- Riverfront Park
- Dixon Inline Skating
- Doris E. Buffett Pool Improvements
- Parks Plan Development

CUTTING-EDGE TRANSPORTATION SOLUTIONS

- Traffic Calming

GREEN, CLEAN ENVIRONMENT

- Canal Improvements
- Culvert Replacement; Stormwater Improvements Stormwater Management Planning
- Storm Sewer - College Terrace (William/Sylvania)

A PROVEN LEADER IN HISTORIC PRESERVATION

- Cemetery Improvements
- Museum (Town Hall) - Soffit Repair; Building Foundation Study

FY 2019 - FY 2024 Recommended CIP Projects for Future CIPs	Source	City Council's Vision	FY 20XX
New Elementary School	Debt	Learning is a Way of Life	33,750,000
City Shop Improvements	Debt	Public Service - The Backbone of Our Community	TBD
Bridge Repair - Jeff Davis Highway Bypass over Route 3	VDOT	Public Service - The Backbone of Our Community	7,875,000
Downtown Parking Garage	Debt	Employment Epicenter	10,000,000
Dixon Park Community Center	Debt	Building Community Through Cultural Vibrancy	25,000,000
Motts Reservoir	GF	Building Community Through Cultural Vibrancy	250,000
Central Rappahannock Regional Library	Debt	Building Community Through Cultural Vibrancy	11,000,000
Renwick Building	TBD	A Proven Leader in Historic Preservation	10,000,000

VDOT - Six Year Improvement Plan											
Source: http://syip.viriniadot.org/Pages/allProjects.aspx											
UPC	Description	Route	District	Road System	Jurisdiction	Estimate	Previous	FY18	FY19-23	Balance	
						(Values in Thousands of Dollars)					
101595	#HB2.FY17 I-95 RAPPAHANNOCK RIVER CROSSING (SOUTHBOUND)	95	Fredericksburg	Interstate	Fredericksburg	\$125,000	\$13,565	\$692	\$110,742	\$0	
105510	I-95 RAPPAHANNOCK RIVER CROSSING - NORTHBOUND	95	Fredericksburg	Interstate	Fredericksburg	\$132,000	\$0	\$0	\$2,000	\$130,000	
107715	I-95 SAFETY IMPROVEMENTS AT ROUTE 3	95	Fredericksburg	Interstate	Fredericksburg	\$23,000	\$15,150	\$5,000	\$0	\$2,850	
102987	CITY OF FREDERICKSBURG PARKING STRUCTURE	0	Fredericksburg	Miscellaneous	Fredericksburg	\$250	\$0	\$0	\$250	\$0	VRE
109574	#HB2.FY17 VIRGINIA CENTRAL RAILWAY TRAIL BRIDGE	0	Fredericksburg	Primary	Fredericksburg	\$160	\$0	\$20	\$140	\$0	*
T18049	ROUTE 1 CORRIDOR STUDY - CITY OF FREDERICKSBURG	1	Fredericksburg	Primary	Fredericksburg	\$250	\$0	\$60	\$0	\$190	*
110932	#SMART18 - TWIN LAKE-KENSINGTON BIKE/PED CONNECTOR	1	Fredericksburg	Primary	Fredericksburg	\$1,982	\$0	\$0	\$1,982	\$0	*
110822	#SGR LOCAL RTE 3 (BUS) RAPP RIVER, BRIDGE REPLAC, ID18073	3	Fredericksburg	Primary	Fredericksburg	\$2,200	\$583	\$280	\$1,337	\$0	Chatham Bridge
110824	FYA CONVERSION OF 25 TRAFFIC SIGNALS	9999	Fredericksburg	Secondary	Fredericksburg	\$495	\$0	\$0	\$495	\$0	*
100439	LAFAYETTE BOULEVARD/KENMORE AVENUE ROUNDABOUT	1	Fredericksburg	Urban	Fredericksburg	\$4,600	\$114	\$0	\$839	\$3,647	*
100450	ROUTE 3 SIGNAL OPTIMIZATION	3	Fredericksburg	Urban	Fredericksburg	\$1,023	\$0	\$0	\$1,047	(\$24)	*
109460	#SGR RECONSTRUCTION - ROUTE 3 (PLANK ROAD)	3	Fredericksburg	Urban	Fredericksburg	\$182	\$182	\$0	\$0	\$0	*
109459	#SGR RECONSTRUCTION - ROUTE 17B (DIXON STREET)	17	Fredericksburg	Urban	Fredericksburg	\$292	\$292	\$0	\$0	\$0	*
88699	FALL HILL AVE. BRIDGE & APPROACHES RECONSTRUCTION & WIDENING	U000	Fredericksburg	Urban	Fredericksburg	\$44,400	\$40,535	\$3,865	\$0	\$0	
110383	FALL HILL AVE BR APPRCHS RECON/WIDENING GARVEE DEBT SERVICE	U000	Fredericksburg	Urban	Fredericksburg	\$38,996	\$919	\$2,626	\$13,130	\$22,321	

* Included in City's Recommended CIP FY19-FY 24