City of Colonial Heights

Fiscal Years
2021 – 2025
Capital Improvement Plan

SUMMARY

This Fiscal Year 2021-2025 Capital Improvement Plan (CIP) is submitted for consideration by the Colonial Heights Planning Commission and City Council. Over $164 million in capital improvements were identified and submitted by departments as requests for funding. All submitted CIP projects are identified in this document- those funded are presented in the Proposed Projects section and those not included for funding are included in the Unfunded Projects section.

The CIP document is a planning tool used to match anticipated major facility, equipment, infrastructure and technological improvements with the funding available to meet those needs. To be included in the CIP, a project must meet the criteria to be defined as a capital improvement project.

A capital improvement project is defined by the City as:

a) Construction and/or acquisition of new assets, including buildings, land, vehicles, equipment, or hardware/software where the costs of construction or acquisition (including incidental costs) meet or exceed $50,000 for a specific project or unit and the useful life of the asset exceeds one year.

b) Upgrades, improvements or additions to existing buildings, equipment, or other assets that increase the value or greatly extend the estimated useful life of the asset where the cost of the upgrade or addition exceeds $50,000.

c) Remodeling or repair of existing assets where the costs of the remodel or repair will exceed $100,000.

Items not meeting the definition of a capital improvement project are addressed through the annual operating budget process.

During development of the CIP, staff analyzes the City's capacity for issuing new debt over the period of the CIP and develops funding alternatives for the proposed capital projects. The financing of the proposed CIP is evaluated against the City's formally adopted financial policies, as well as multiple debt ratios to ensure affordability. These parameters required the narrowing of projects to be funded as part of the proposed CIP.

The FY2021-FY2025 Capital Improvement Plan includes several projects identified as "Placeholder". The City is embarking on a period of transformative change, with three studies underway (or to be conducted) to identify specific capital needs in three important areas: the security of public facilities, the replacement of aging utility infrastructure, and the reduction of pollutants to our state waterways. The need for significant investments in all three areas is expected within the timeframe of this Capital Improvement Plan, even though all the specific projects have yet to be identified. The three "Placeholder" projects funded in this CIP will reserve much needed funding for those projects when they are identified in Summer 2020.

A "Placeholder" project is also included for Colonial Heights Public Schools. The School Board has requested projects totaling $20,056,300 for consideration in the City's CIP. As the School System does not have taxing authority and can not issue debt, the City must issue debt for major

school capital projects. The responsibility for the debt service on these projects is shared between the School Board and City per a Memorandum of Understanding between the two entities. This "Placeholder" project reserves City debt capacity to address school facility needs. The specific projects to be undertaken and the entity responsible for the debt service on these projects will necessitate future discussion and a decision by the School Board and City Council. Therefore, the specific projects have been included as unfunded until the two bodies identify priorities and funding.

The following projects are included and recommended for funding in the first year of the CIP. They will be appropriated as part of the FY2020-21 Operating Budget:

- City Facilities Security Placeholder
- Health Department Building Renovations
- TMDL Project Placeholder
- Appomattox River Greenway Trail - Phase V
- Lakeview Avenue Modernization Phase I
- Branders Bridge Right Turn Lane Extension
- Boulevard at Temple Ave. Intersection Improvements
- Ridge Road Improvements & Culvert Replacement
- Conduit Road Sidewalks - Pleasant Dale to Riveroaks
- Hrouda Pump Station
- Water Tower Repairs
- Charles Dimmock Site Development
- Insulation Replacement at Dunlop Fire Station
- Medic-4 Replacement
- Uninterrupted Power Supply (UPS) Replacement

Colonial Heights is a dynamic and vibrant community, and will need to renovate and replace core infrastructure and facilities to continue the service levels enjoyed by its citizens. By planning for these needs over the long term and matching them to the available resources over that same term, City Council and City Management can proactively address community needs in a systematic and planned manner that maintains a stable tax base and allows for continued excellence in our services to the public.

FUNDING

A critical component of any capital improvement plan (CIP) is the availability of funding for these large expenditures. There are generally four sources of funding for capital improvement projects: Debt or lease agreements, transfers from the general fund, existing fund balances, or grants and other dedicated revenue sources.

Debt, in the form of general obligation notes, bonds, or lease-purchase agreements, is the most common way to pay for large capital improvement projects. The Colonial Heights City Council has adhered to debt limits to keep the level of outstanding debt and debt service affordable within the current tax structure. To maintain an affordable level of debt, the City Council adopted formal Financial Policies, which were last updated in 2011. Currently outstanding debt and proposed new debt related to the proposed CIP are carefully analyzed in light of these policies. The estimated debt ratios resulting from implementation of the proposed CIP are presented in the following pages.

Similar to the timeframes identified in prior years, this CIP does not anticipate a debt issuance until fiscal year 2021-2022, when an issuance of $9.7 million in financing for several projects is projected. Of this $9.7 million issuance, $5.4 million will be general fund debt, $3.6 will be water and sewer utility fund debt, and the remaining $0.7 will be issued for stormwater projects. No debt issuance is planned for FY20-21.

Transfers from the General Fund of the City are often used to pay for smaller capital projects. An amount equal to the expected cost of capital projects to be funded through general fund transfer is budgeted as part of the operating budget of the City. This “pay-as-you-go” approach, also known as “pay-go”, lessens the City’s reliance on debt and reduces interest expense. The proposed CIP includes a recommendation to fund $230,000 of project costs through general fund transfers in FY2020-21.

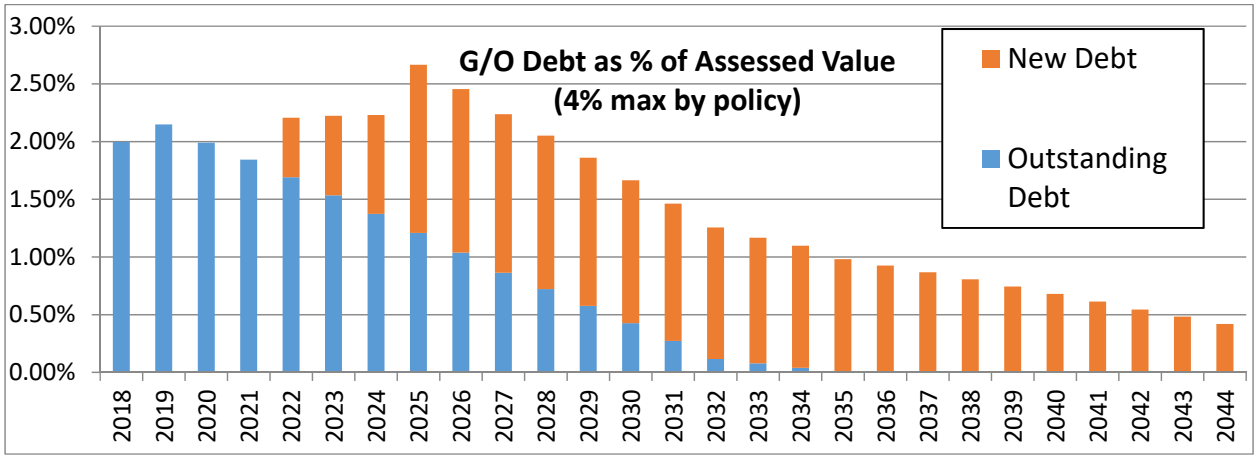
City Council may choose to use general, capital or other fund balances in excess of established limits to pay for one-time capital improvements. Fund balance is not a good source for ongoing expenditures, but they can be responsibly used for one-time capital projects, as long as enough fund balance remains in the general fund to meet the minimums adhered to by the City Council, and that all cash flow concerns have been addressed prior to the appropriation of these funds. At the end of FY19, the City assigned significant amounts of fund balance in anticipation of capital needs. The current CIP uses $773,502 in assigned general fund balance to fund the City’s share of the Appomattox River Greenway Trail Phase V and Ridge Road Improvements, as well as the replacement of insulation at Fire Station #2. Fund balances in the Stormwater Fund in the amount of $469,438 will be used for Total Maximum Daily Load (TMDL) pollutant reduction and culverts on Ridge Road.

Enterprise Funds are separate from the general fund, and intended to be self-sufficient. Capital projects in these areas, such as water or wastewater treatment facilities or stormwater infrastructure, must come from the revenues provided for that function. It would be inappropriate to use general funds for utilities infrastructure, unless the infrastructure is directly attributable to a general government purpose (such as economic development). Debt issued for these types of

projects should be serviced (interest and principal payments) from the related enterprise operating fund. This CIP anticipates the issuance of debt for water, wastewater, and stormwater projects. The City is currently working on a utility rate study which will identify the revenue streams necessary to support the planned debt issuances.

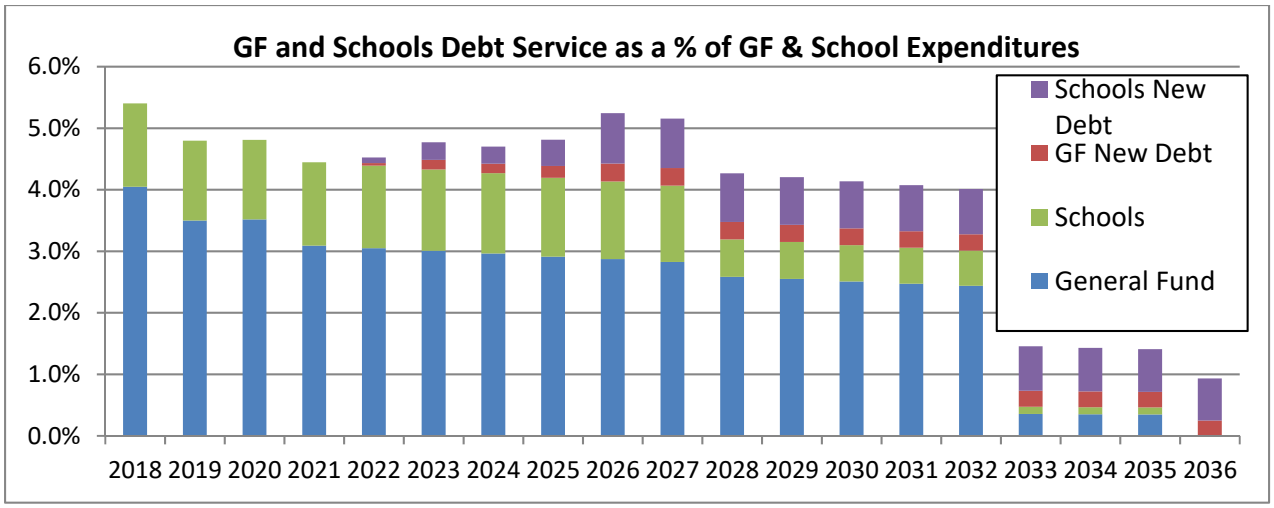
The City has established debt ratios which govern the City's issuance of debt for any purpose. Funding for capital projects relies very heavily on debt, and therefore the CIP must address the affordability of debt proposed to be issued to finance the City's capital needs.

One important ratio frequently used to assess the affordability of debt to a municipality is the amount of outstanding debt as compared to the assessed value of property located within the City. Property taxes are the largest source of revenue for the City, and therefore this measure assesses the base upon which taxes may be assessed to pay the debt service on outstanding debt. The graph below shows the City's current and proposed outstanding debt as a percentage of assessed value. The Code of Virginia mandates that this value not exceed 10%. The City's adopted financial policies state that this ratio should not exceed 4%.

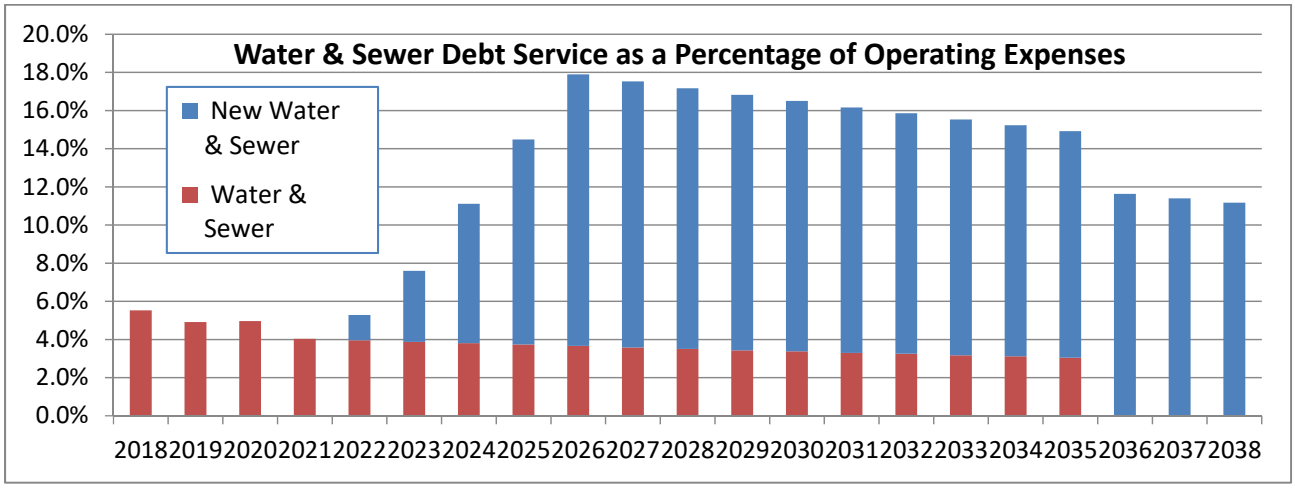


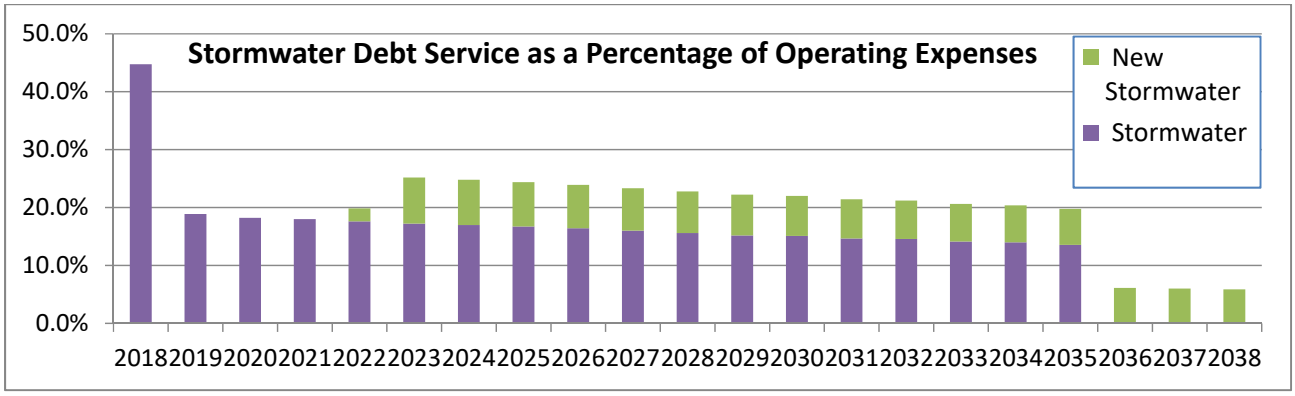
As the chart illustrates, even with the proposed issuance of new debt (shown in orange), the amount of outstanding debt only exceeds 2.5% of the estimated assessed value at one point (FY2025).

The second ratio frequently used to measure the affordability of outstanding general fund debt is debt service as a percentage of general fund expenditures. When debt is issued, the costs of principal and interest payments must be factored into the City's budget, and divert dollars which may otherwise have gone to support services provided by the City. The City's adopted financial policies state that the ratio of General Fund supported debt service expenditures, as a percent of total general fund expenditures, should not exceed 10%.



As enterprise funds are kept separate from the City's general fund, the affordability of enterprise fund debt incurred for water and sewer and stormwater projects is evaluated separately from the general fund and schools debt. Where general fund and schools debt can be evaluated against the assessed value of property in the City, this measure doesn't hold value for enterprise debt. Current and projected debt service as a percentage of expenses in each fund is projected in the charts below.





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PROPOSED PROJECTS

The table included in the subsequent pages summarizes all projects proposed for funding in the FY2021 through FY2025 Capital Improvement Plan. The following information will help users understand the table.

The top of the table lists the projects planned for funding.

Department: The department and section, if applicable, making the project request.

Department Priority: The priority assigned to the project relative to other projects requested by the department. If "Comm" is listed, then this project has already had funding committed to the project, typically from state and federal sources. In order to receive those funds, the project must be generally started within a year of the commitment. These projects would take precedence over other departmental priorities.

Project Title: The title of the project. If "Funding" is listed beside the title, then this is a project with committed, project specific funding from the state or other outside sources and the amount to be provided in state or federal assistance is shown as a negative number. The difference in the two lines for these projects shows the amount of City funding necessary to complete the project.

Requested Funding: These columns show when the projects are planned for funding in the current CIP. Projects scheduled for funding in FY2020-21 will be appropriated as part of the FY2020-21 operating budget process. Projects scheduled for funding in all subsequent years, as well as the projects not scheduled for funding, will have to be resubmitted for consideration in the next year's CIP process. The scheduling and costs of these projects is subject to change in future Capital Improvement Plans, but they are included in the FY2021 through FY2025 CIP for planning purposes.

Total: This column shows the total cost for the project. Project costs may be spread over multiple years in the CIP.

The bottom of the table shows the sources of financing for the various projects.

Available Bond Funds for Bruce Avenue (Stormwater): The City issued bonds in 2016 for a Stormwater remediation project on Bruce Avenue. Phases I-III of the project were completed, however, there were not sufficient funds to complete the last phase. Staff is proposing to reassign the remaining balance to another project.

General Fund Transfers: Money transferred from the general fund to pay for projects as they are completed. The general fund is supported by taxes and other general revenues of the City. Use of general fund transfer keeps smaller projects from using debt capacity of the city and incurring interest expense.

Use of Assigned and Unassigned General Fund Balance: The General Fund has fund balances which are the result of prior year operations. At fiscal year end, these balances are sometimes assigned by management for various capital projects. Unassigned fund balances in excess of the City's target fund balance ratios may also be sparingly used for smaller, one-time capital expenditures.

Stormwater Fund/Utility Fund Balance and Current Transfers: This represents current or accumulated funding transferred from the respective enterprise funds for capital projects. These funds are supported by Stormwater fees and customer utility bills, respectively. These transfers only support projects which directly benefit the customers of those respective funds.

Issuance of debt: Larger projects must be financed over a number of years, and therefore require the City to issue bonds or other debt instruments to finance them. Debt issuances are not planned every year, therefore the issuance of debt must be coordinated and several projects are typically packaged into one debt issuance. The debt itself, as well as the principal and interest for these debt issuances, is prorated and charged to the funds benefiting from the project.

Proceeds from Sale of Property: The City occasionally also has property that can be sold for economic development purposes. These proceeds are one-time sources of funding that are ideal for capital project uses.

Individual project descriptions for the funded projects are included behind the funding table.

City of Colonial Heights
FY2021-FY2025 Capital Improvement Plan

FY21 - FY25 Funded Projects

Department	Dept Priority	Project Description	Previously Appropriated	Requested Funding FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future Years	TOTAL
City Administration	1	City Facilities Security Placeholder		100,000	100,000	100,000				300,000
City Administration	2	Health Department Building Renovations		50,000						50,000
City Administration	3	Demolish structure at 218 Highland Ave			50,000					50,000
City Administration	4	Auxillary City Hall Parking Lot				95,000				95,000
Public Works- Stormwater	1	TMDL Project Placeholder		400,000		400,000		400,000		1,200,000
Public Works- Stormwater	2	Lexington Drive Outfall and Storm Sewer			425,000					425,000
Public Works- Stormwater	3	Yacht Basin Drive Stormwater Outfall			325,000					325,000
Public Works- Stormwater	9	Ridge Road Culvert Replacement		69,438						69,438
Public Works- Transportation	Comm	Appomattox River Greenway Trail - Phase V	230,500	415,000						645,500
Public Works- Transportation-Funding	Comm	Appomattox River Greenway Trail - Phase V	(184,400)	(321,851)						(506,251)
Public Works- Transportation	Comm	Lakeview Avenue Modernization Phase I	3,314,000	828,107	1,127,893					5,270,000
Public Works- Transportation-Funding	Comm	Lakeview Avenue Modernization Phase I	(3,314,000)	(828,107)	(1,127,893)					(5,270,000)
Public Works- Transportation	Comm	Boulevard at Westover Intersection Improvements	322,116		440,000	372,884				1,135,000
Public Works- Transportation-Funding	Comm	Boulevard at Westover Intersection Improvements	(322,116)		(440,000)	(372,884)				(1,135,000)
Public Works- Transportation	Comm	Branders Bridge Right Turn Lane Extension	25,000	101,000	100,000	153,000	250,000			629,000
Public Works- Transportation-Funding	Comm	Branders Bridge Right Turn Lane Extension	(25,000)	(101,000)	(100,000)	(153,000)	(250,000)			(629,000)
Public Works- Transportation	Comm	Boulevard at Temple Ave. Intersection Improvements		340,000	100,000	220,000	985,000			1,645,000
Public Works- Transportation-Funding	Comm	Boulevard at Temple Ave. Intersection Improvements		(340,000)	(100,000)	(220,000)	(985,000)			(1,645,000)
Public Works- Transportation	1	Ridge Road Improvements*		660,706						660,706
Public Works- Transportation-Funding	1	Ridge Road Improvements*		(330,353)						(330,353)
Public Works- Transportation	2	Conduit Road Sidewalks - Pleasant Dale to Riveroaks*		50,000	672,000					722,000
Public Works- Transportation-Funding	2	Conduit Road Sidewalks - Pleasant Dale to Riveroaks-Funding*		(40,000)	(537,600)					(577,600)
Public Works- Transportation	3	Animal Shelter Entrance Improvements Phase I	420,000		100,000	426,964				946,964
Public Works- Transportation	4	Animal Shelter Entrance Improvements Phase II	15,000			127,943				142,943
Public Works- Water & Sewer	1	Hrouda Pump Station	600,000	735,000						1,335,000
Public Works- Water & Sewer	2	Hill Place Sewer Replacement			300,000					300,000
Public Works- Water & Sewer	3	Water Tower Repairs		55,000						55,000
Public Works- Water & Sewer	4	Citywide Replacement of 2" GS Waterline Phase 1			625,000					625,000
Public Works- Water & Sewer	5	Citywide Replacement of 2" GS Waterline Phase 2			625,000					625,000
Public Works- Water & Sewer	6	Citywide Replacement of 2" GS Waterline Phase 3						625,000		625,000
Public Works- Water & Sewer	7	Infrastructure Assessment Placeholder			2,000,000	3,500,000	3,500,000	3,000,000		12,000,000
Economic Development	1	Charles Dimmock Site Development		70,000						70,000
Buildings & Grounds	1	Insulation Replacement at Fire Station #2		105,000						105,000
Sheriff's Office	1	Electronic Control/ CCTV System			598,500					598,500
Recreation & Parks	1	Violet Bank Museum Restoration Phase II			200,000					200,000
Recreation & Parks	2	Shepherd Stadium Infield/ Outfield Turf Renovation			140,000					140,000
Recreation & Parks	3	Shepherd Stadium Field Lights Replacement						340,000		340,000
Recreation & Parks	4	Gateway Roundabout Phase II					150,000			150,000
Fire and EMS	1	Medic-4 Replacement		300,000						300,000
Fire and EMS- Funding	1	Medic-4 Replacement (RSAF Grant)		(125,000)						(125,000)
Fire and EMS	2	Uninterrupted Power Supply (UPS) Replacement		70,000						70,000
Fire and EMS	3	Fire & EMS Engine 941 Replacement			800,000					800,000
Fire and EMS	4	Fire Station #1 Renovation & Expansion						1,000,000		1,000,000
Fire and EMS	5	Fire & EMS replace Medic 932						300,000		300,000
Schools		Schools Project Placeholder			3,613,300			6,434,250		10,047,550
TOTAL EXPENDITURES			**1,081,100**	**2,262,940**	**10,036,200**	**4,649,907**	**3,650,000**	**12,099,250**	**-**	**33,779,397**

*Pending CTB Approval

City of Colonial Heights
FY2021-FY2025 Capital Improvement Plan

Department	Dept Priority	Project Description	Previously Appropriated	Requested Funding FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future Years	TOTAL
Funding Sources										
Available Bond Funds originally for Bruce Ave.				500,000	-	-	-	-	-	500,000
General Fund Transfer ("Pay-Go")				230,000	284,400	195,000	150,000	-	-	859,400
Use of Assigned & Unassigned General Fund Balance				773,502	-	-	-	-	-	773,502
Stormwater Fund Balance/ Current Funding				469,438	-	400,000	-	400,000	-	1,269,438
Utilities Fund Balance/ Current Funding				111,916						111,916
Transfer from Utility Improvement Project				178,084						178,084
Issuance of Debt-GF				-	5,351,800	-	-	8,074,250	-	13,426,050
Issuance of Debt- Utilities				-	3,550,000	3,500,000	3,500,000	3,625,000	-	14,175,000
Issuance of Debt- Stormwater				-	750,000	-	-	-	-	750,000
Proceeds from Sale of Property				-	100,000	554,907	-	-	-	654,907
Previously Appropriated			1,081,100							1,081,100
TOTAL SOURCES			**1,081,100**	**2,262,940**	**10,036,200**	**4,649,907**	**3,650,000**	**12,099,250**	**-**	**33,779,397**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **City Facilities Security Placeholder**

Budget:
$300,000

Department:
City Administration

Fund:
General Fund

Project Manager:
City Manager

Project Description:

The City is currently soliciting proposals from qualified firms to provide a security assessment for forty-one City facilities. This project would reserve funds for implementation of projects identified by that study.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction		100,000	100,000	100,000				300,000
Contingency								-
Total Project Cost	-	100,000	100,000	100,000	-	-	-	300,000

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
General Fund Transfer		100,000	100,000	100,000				300,000
								-
Total Funding		**100,000**	**100,000**	**100,000**	**-**	**-**	**-**	**300,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Health Department Building Renovation**

Budget:
$50,000

Department:
City Administration

Fund:
General Fund

Project Manager:
City Manager

Project Description:

The building currently occupied by the Health Department will potentially be available for City use in the coming year. City Administration will be working with staff to determine the best use of the building to alleviate crowding and storage space issues in existing City offices. This project sets aside funds to reconfigure the building as necessary.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction		50,000						50,000
Contingency								-
Total Project Cost	-	50,000	-	-	-	-	-	50,000

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
General Fund Transfer		50,000						50,000
								-
Total Funding	**-**	**50,000**	**-**	**-**	**-**	**-**	**-**	**50,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Demolition of 218 Highland Avenue**

Budget:
$50,000

Department:
City Administration

Fund:
General Fund

Project Manager:
City Manager

Project Description:

A recent evaluation of this building, which is adjacent to City Hall and used for storage, identified significant structural issues, water leaks, and the presence of mold. The building has deteriorated past the point of renovation or reconstruction. Staff is recommending demolition of the structure for potential use of the property as additional parking for City Hall.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction			50,000					50,000
Contingency								-
Total Project Cost	-	-	50,000	-	-	-	-	50,000

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
General Fund Transfer			50,000					50,000
								-
Total Funding	**-**	**-**	**50,000**	**-**	**-**	**-**	**-**	**50,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Auxiliary City Hall Parking Lot**

Budget:
$95,000

Department:
City Administration

Fund:
General Fund

Project Manager:
City Manager

Project Description:

Parking at City Hall remains an issue during peak traffic periods. Many City vehicles are currently parked at the City's property on 218 Highland Avenue to alleviate the overcrowding. This project would create an auxiliary parking lot for both City vehicles and customer use on the property at 218 Highland once the existing structure is demolished. Project includes excavation, pavement, entrance, sidewalk, curb and gutter and marking.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction				95,000				95,000
Contingency								-
Total Project Cost	-	-	-	95,000	-	-	-	95,000

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
General Fund Transfer				95,000				95,000
								-
Total Funding	**-**	**-**	**-**	**95,000**	**-**	**-**	**-**	**95,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

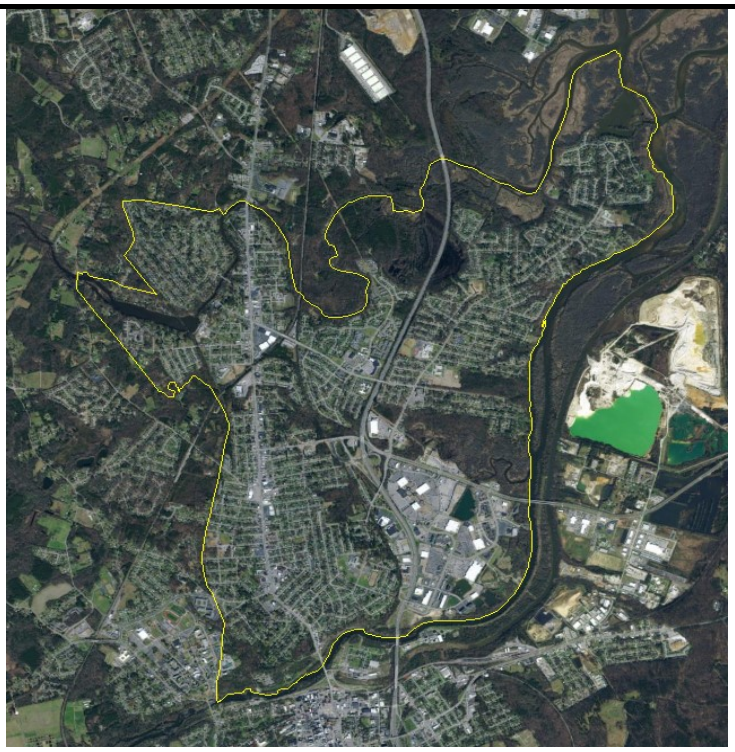
Project: **TMDL Project Placeholder**

Budget:
$1,200,000

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

The City has retained an engineer to designate projects to mitigate the City's Total Maximum Daily Load of nitrogen, phosphorus, and total suspended solids, the top pollutants of the Chesapeake Bay. The City will be required to significantly reduce these pollutants by 2023 and 2028.

City Council Goal(s) Met:

These projects will be mandated by new state/federal regulations.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction		400,000		400,000		400,000		1,200,000
Contingency								-
Total Project Cost	-	400,000	-	400,000	-	400,000	-	1,200,000

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Stormwater Operating		400,000		400,000		400,000		1,200,000
								-
Total Funding	**-**	**400,000**	**-**	**400,000**	**-**	**400,000**	**-**	**1,200,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Lexington Drive Outfall and Storm Sewer**

Budget:
$425,000

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering

Project Description:
Rehabilitation of storm outfall washing silt into the Appomattox River.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies (Permit/Geotech)								-
Land Acq./ROW								-
Design/Admin.								-
Construction			425,000					425,000
Contingency								-
Total Project Cost	-		425,000	-	-	-	-	425,000

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Debt Proceeds (Stormwater)			425,000					425,000
								-
Total Funding	**-**		**425,000**	**-**	**-**	**-**	**-**	**425,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

***The City will probably need to acquire some adjacent land, depending on design. This is an additional cost but it is hard to quantify right now.

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

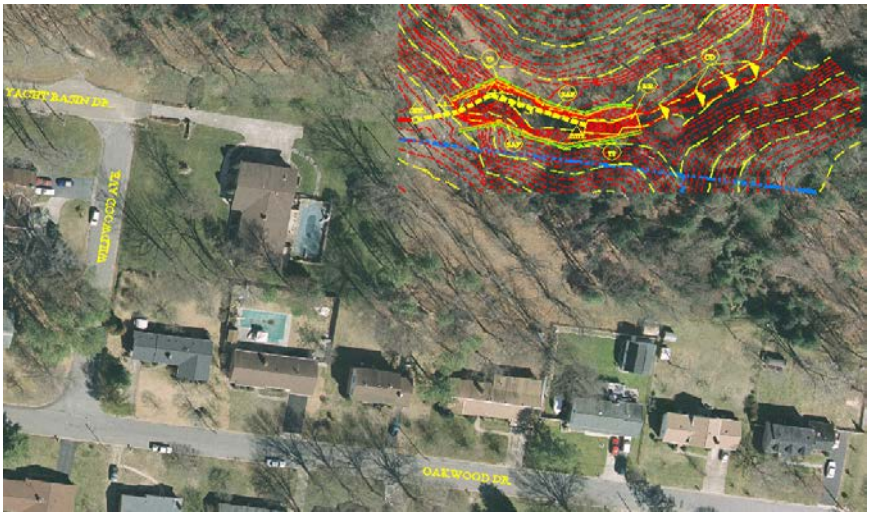
Project: **Repair Yacht Basin Drive Stormwater Outfall**

Budget:
$325,000

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Replacement of storm sewer outfall piping. This has caused erosion of the embankments that have washed silt and soil into the Appomattox River.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction			325,000					325,000
Contingency								-
Total Project Cost	**-**	**-**	**325,000**	**-**	**-**	**-**	**-**	**325,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (Stormwater)			325,000					325,000
								-
Total Funding	**-**	**-**	**325,000**	**-**	**-**	**-**	**-**	**325,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

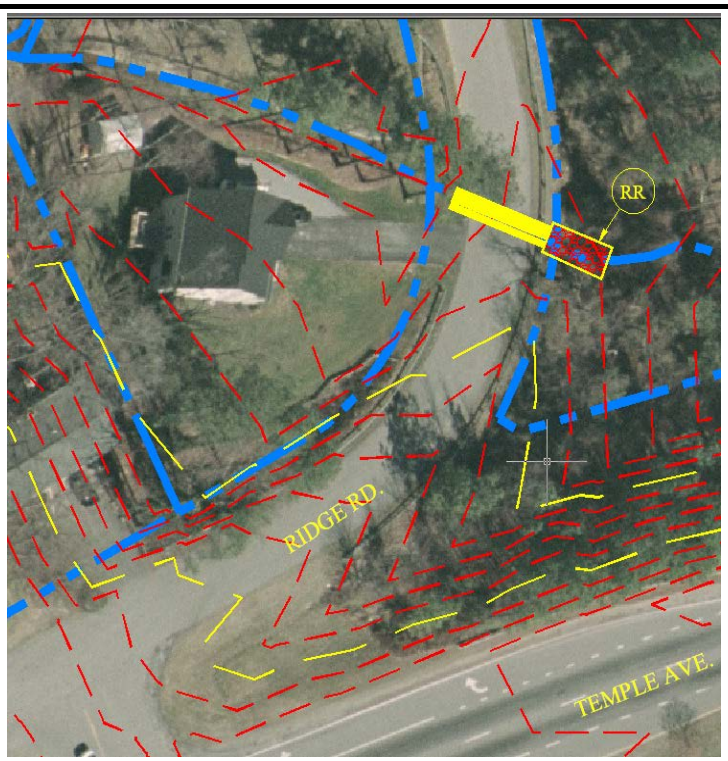
Project: **Ridge Road Culvert Replacement**

Budget:
$69,438

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Replacement of drainage culvert at intersection of Ridge Road and Temple Avenue; project will correct a deficiency in the storm drainage system by replacing a deteriorated culvert; preserves city investment in infrastructure and maintains transportation mobility and access. This project was expedited to coincide with the Ridge Road Improvements project.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.		7,000						7,000
Construction		36,000						36,000
Contingency		26,438						26,438
Total Project Cost	**-**	**69,438**	**-**	**-**	**-**	**-**	**-**	**69,438**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Stormwater Operating		69,438					-	69,438
Total Funding	**-**	**69,438**	**-**	**-**	**-**	**-**	**-**	**69,438**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Appomattox River Greenway Trail Phase V**

Budget:
$645,500

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Construct Phase V of the Appomattox River Greenway Trail adjacent to the Appomattox River extending from Roslyn Landing Park to Jennick Drive.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW	86,000							86,000
Design/Admin.	144,500							144,500
Construction		415,000						415,000
Contingency								-
Total Project Cost	**230,500**	**415,000**	**-**	**-**	**-**	**-**	**-**	**645,500**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
General Fund Transfer	46,100	93,149						139,249
VDOT - TAP	184,400	321,851						506,251
Total Funding	**230,500**	**415,000**	**-**	**-**	**-**	**-**	**-**	**645,500**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

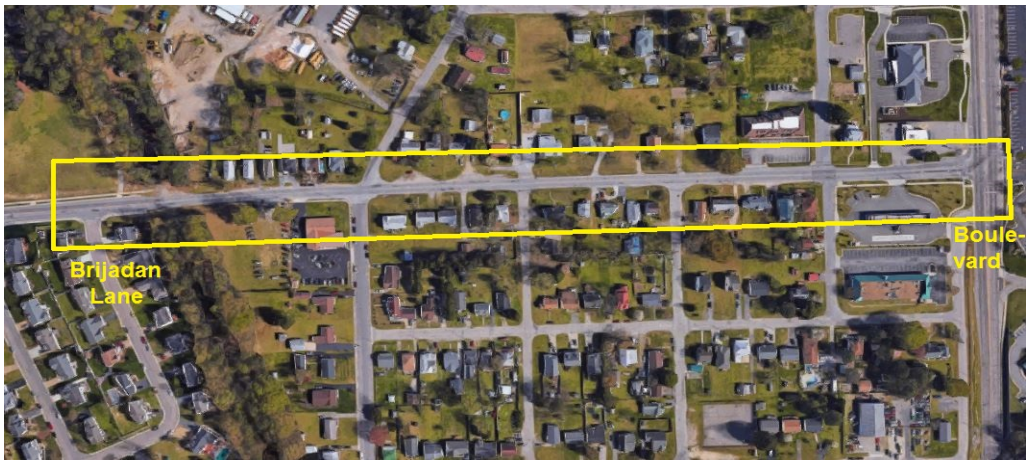
Project: **Lakeview Avenue Modernization, Phase 1**

Budget:
$5,270,000

Department:
Public Works

Fund:
General Fund

Project Manager:
Works
Works & Engineering



Project Description:

Modernization of Lakeview Avenue from Boulevard to Brijadan Lane.

City Council Goal(s) Met:

Continue on-going work to effectively access external funds and complete various road improvement projects

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration								-
Construction	3,314,000	828,107	1,127,893					5,270,000
Contingency								-
Total Project Cost	**3,314,000**	**828,107**	**1,127,893**	**-**	**-**	**-**	**-**	**5,270,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
City								-
RSTP	3,314,000	828,107	1,127,893					5,270,000
Total Funding	**3,314,000**	**828,107**	**1,127,893**	**-**	**-**	**-**	**-**	**5,270,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

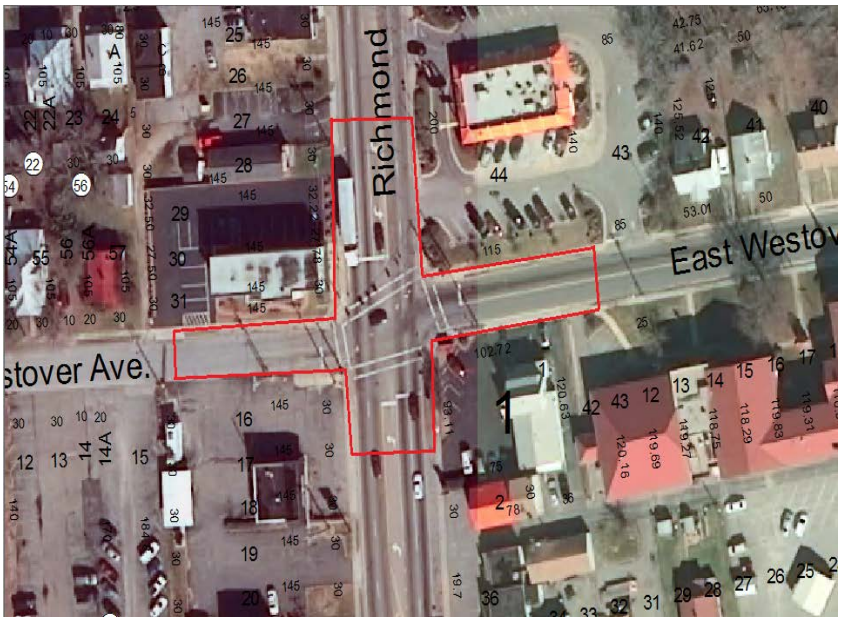
Project: **Boulevard at Westover Intersection Improvements**

Budget:
$1,135,000

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Improve intersection at Westover Avenue and Boulevard by adding left turn lane.

City Council Goal(s) Met:

Continue on-going work to effectively access external funds and complete various road improvement projects

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW	195,000							195,000
Design/Admin.	127,116							127,116
Construction			440,000	372,884				812,884
Contingency								-
Total Project Cost	**322,116**	**-**	**440,000**	**372,884**	**-**	**-**	**-**	**1,135,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
General Fund Transfer								-
CMAQ	322,116		440,000	372,884				1,135,000
Total Funding	**322,116**	**-**	**440,000**	**372,884**	**-**	**-**	**-**	**1,135,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

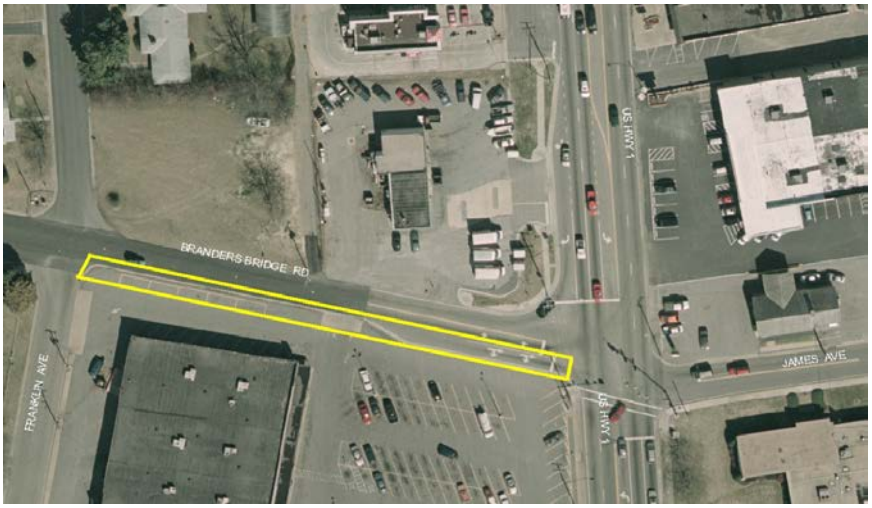
Project: **Branders Bridge Right Turn Lane Extension**

Budget:
$629,000

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering



Project Description:
Extending the right turn lane from Branders Bridge Road onto the Boulevard.

City Council Goal(s) Met:
Continue on-going work to effectively access external funds and complete various road improvement projects.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW			100,000					100,000
Design/Admin.	25,000	101,000						126,000
Construction				153,000	250,000			403,000
Contingency								-
Total Project Cost	**25,000**	**101,000**	**100,000**	**153,000**	**250,000**			**629,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
General Fund Transfer		-						-
CMAQ	25,000	101,000	100,000	153,000	250,000			629,000
Total Funding	**25,000**	**101,000**	**100,000**	**153,000**	**250,000**			**629,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**			

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Boulevard at Temple Intersection Improvements**

Budget:
$1,645,000

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:
Improve intersection at Temple Avenue and Boulevard by adding dual left turn lanes.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW			100,000	220,000				320,000
Design/Admin.		340,000						340,000
Construction					985,000			985,000
Contingency								-
Total Project Cost	**-**	**340,000**	**100,000**	**220,000**	**985,000**	**-**	**-**	**1,645,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
General Fund Transfer								-
CMAQ		340,000	100,000	220,000	985,000			1,645,000
Total Funding	**-**	**340,000**	**100,000**	**220,000**	**985,000**	**-**	**-**	**1,645,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY 2021-25 Capital Improvement Program

Project: **Ridge Road Improvements**

Budget:
$660,706

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Reconstruct pavement on Ridge Road.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies		113,949						113,949
Land Acquisition/ROW								-
Design/Administration		32,000						32,000
Construction		514,757						514,757
Contingency								
Total Project Cost		**660,706**	-	-	-	-	-	660,706

Funding Source(s)	*Previous*	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Use of Assigned Fund Bal		330,353						330,353
VDOT Revenue Sharing Funds		330,353						330,353
Total Funding		**660,706**	-	-	-	-	-	660,706

Surplus/(Deficit)		-	-	-	-	-	-	-

Project: **Conduit Road Sidewalks**

Budget:
$722,000

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Construct new sidewalks along east and west sides of Conduit Road between Pleasant Dale Avenue and Riveroaks Drive servicing Colonial Heights High School.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.		50,000						50,000
Construction			672,000					672,000
Contingency								-
Total Project Cost	**-**	**50,000**	**672,000**	**-**	**-**	**-**	**-**	**722,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
General Fund Transfer		10,000	134,400					144,400
SRTS		40,000	537,600					577,600
Total Funding	**-**	**50,000**	**672,000**	**-**	**-**	**-**	**-**	**722,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Project: **Animal Shelter Entrance Improvements Phase I**

Budget:
$946,964

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Reconstruct Walmart entrance and existing City roadway to provide access to Animal Shelter. Estimate includes a heavy duty pavement section from Dimmock Pkwy to be installed for approximately 460 feet to accommodate tractor trailer deliveries to Walmart and any other future locations. Sidewalk will be installed along one side of the access road.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW	250,000		50,000					300,000
Design/Admin.	170,000		50,000					220,000
Construction				426,964				426,964
Contingency								-
Total Project Cost	**420,000**	**-**	**100,000**	**426,964**	**-**	**-**	**-**	**946,964**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Proceeds from Sale of Property	420,000		100,000	426,964				946,964
								-
Total Funding	**420,000**	**-**	**100,000**	**426,964**	**-**	**-**	**-**	**946,964**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

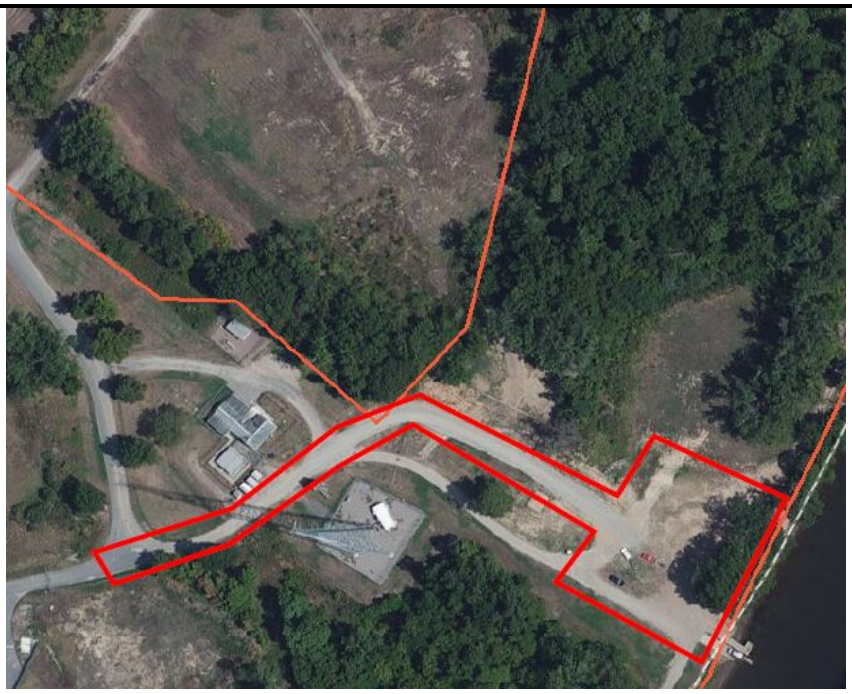
Project: **Animal Shelter Entrance Improvements Phase II**

Budget:
$142,943

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Reconstruct roadway behind the animal shelter and pave parking area near boat ramp. Sidewalk will be installed along one side of the access road down to Roslyn Landing. The estimate includes paving the area over Columbia Gas transmission line. Easements and fees with Columbia Gas will be negotiated separate of this estimate

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.	15,000							15,000
Construction				127,943				127,943
Contingency								-
Total Project Cost	**15,000**	**-**	**-**	**127,943**	**-**	**-**	**-**	**142,943**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Proceeds from Sale of Property	15,000	-		127,943				142,943
								-
Total Funding	**15,000**	**-**	**-**	**127,943**	**-**	**-**	**-**	**142,943**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Project: **Hrouda Pump Station**

Budget:

$1,335,000

Department:

Public Works

Fund:

Utilities Fund

Project Manager:

Director of Public Works & Engineering

Project Description:

Reconstruction of the wet and dry wells at Hrouda Pump Station. Also includes upgrades to the stations mechanical, structural and electrical components.

City Council Goal(s) Met:

This project will address citizen complaints regarding water pressure and volume. Also, will reduce the amount of service interruptions due to line breaks and failures in the area.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.		50,000						50,000
Construction	600,000	685,000						1,285,000
Contingency								
Total Project Cost	600,000	735,000						1,335,000

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Utilities Debt	600,000	500,000						1,100,000
Utilities Fund Transfer		56,916						56,916
Trans. from Util. Infrastructure Project		178,084						178,084
Total Funding	600,000	735,000						1,335,000

Surplus/(Deficit)	-	-	-	-	-	-	-	-

Project: **Hill Place Sewer Replacement**

Budget:
$300,000

Department:
Public Works

Fund:
Utilities Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Urgent repair replacement of approximately 250' of failing sewer line. Line is approximately 14' deep and services 12 homes in this area.

City Council Goal(s) Met:

This project improves the health and safety of the residents in the area by allowing uninterrupted service and reduction of sewage backups.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.			15,000					15,000
Construction			160,000					160,000
Contingency			125,000					125,000
Total Project Cost	**-**	**-**	**300,000**	**-**	**-**	**-**	**-**	**300,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (Utilities)			300,000					300,000
								-
Total Funding	**-**	**-**	**300,000**	**-**	**-**	**-**	**-**	**300,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Project: **Water Tower Repairs**

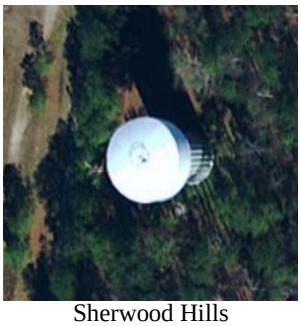
Budget:
$55,000

Department:
Public Works

Fund:
Utilities Fund

Project Manager:
Director of Public Works & Engineering

Shepherd Stadium


Sherwood Hills

Southpark

Project Description:

Addressing corrective items highlighted in the 2015 Water Tower inspection report conducted by Gannett Fleming.

City Council Goal(s) Met:

Infrastructure

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction		43,000						43,000
Contingency		12,000						12,000
Total Project Cost	**-**	**55,000**	**-**	**-**	**-**	**-**	**-**	**55,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Utilities Fund Balance/ Current		55,000						55,000
								-
Total Funding	**-**	**55,000**	**-**	**-**	**-**	**-**	**-**	**55,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

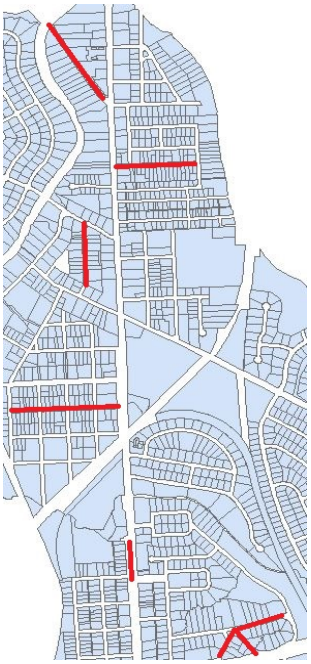
Project: **2" GS Waterline Replacement Phase 1**

Budget:
$625,000

Department:
Public Works

Fund:
Utilities Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Replacement of 2" Galvanized Steel waterlines at the following locations: Moore Ave (552'), Clover Hill Ave (752'), Glenview Ave (562'), Ashby Ave (353'), Boulevard from Laurel Pkwy to Valley Rd (589'), Ridge Rd (1269')

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								-
Design/Admin.								-
Construction			625,000					625,000
Contingency								-
Total Project Cost	**-**	**-**	**625,000**	**-**	**-**	**-**	**-**	**625,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (Utilities)			625,000					625,000
								-
Total Funding	**-**	**-**	**625,000**	**-**	**-**	**-**	**-**	**625,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

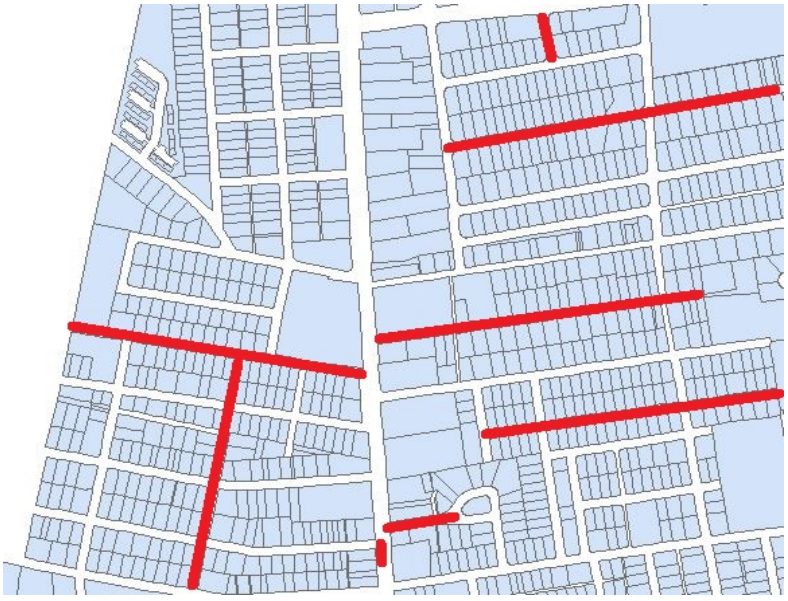
Project: **2" GS Waterline Replacement Phase 2**

Budget:
$625,000

Department:
Public Works

Fund:
Utilities Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Replacement of 2" Galvanized Steel waterlines at the following locations: Pride Ave (365'), Walnut Ave (721'), Moorman Ave (304'), Highland Ave (159'), Maple Ave between Battery Place and Meridian Ave (676'), Maple Ave from Meridian Ave to Cul-de-sac (474'), Boulevard intersection with Roanoke Ave. (50'), Shuford Ave (975').

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction			625,000					625,000
Contingency								-
Total Project Cost		**-**	**625,000**	**-**	**-**	**-**	**-**	**625,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (Utilities)			625,000					625,000
								-
Total Funding	**-**	**-**	**625,000**	**-**	**-**	**-**	**-**	**625,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

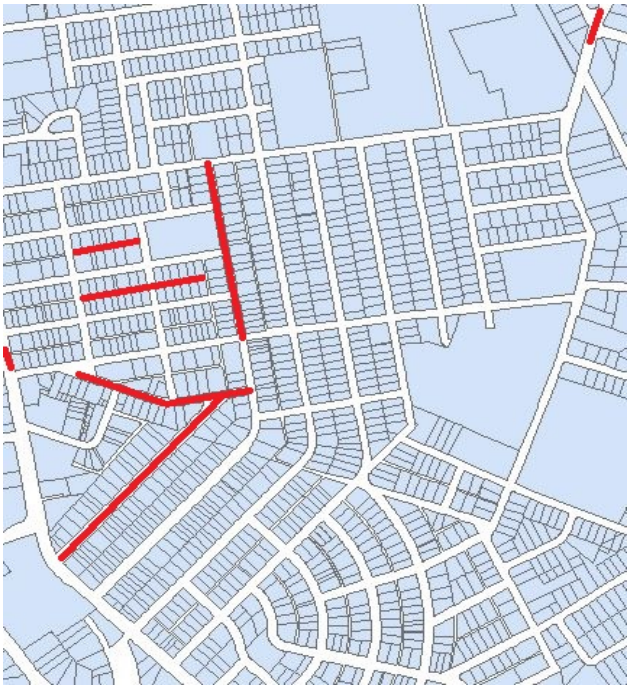
Project: **2" GS Waterline Replacement Phase 3**

Budget:
$625,000

Department:
Public Works

Fund:
Utilities Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Replacement of 2" Galvanized Steel waterlines at the following locations: Conduit Rd between Boulevard and West Roslyn Rd (49'), Lee Ave (1407'), Alley between East Westover Ave and Richmond Ave (628'), Richmond Ave (434'), Danville Ave (615'), Lafayette Ave (1252').

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction						625,000		625,000
Contingency								-
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**625,000**	**-**	**625,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (Utilities)						625,000		625,000
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**625,000**	**-**	**625,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

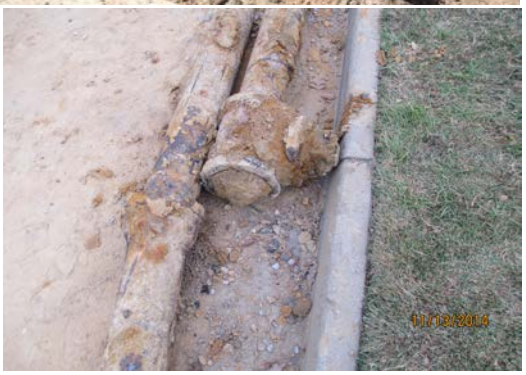
Project: **Infrastructure Assessment Placeholder**

Budget:
$12,000,000

Department:
Public Works

Fund:
Utilities Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

The City has hired a consultant to perform an Infrastructure Condition Assessment on the City's water and sewer facilities and infrastructure. While final results are expected in April 2020, preliminary results indicate that approximately $3.5M of capital needs each year must be addressed in the capital improvement plan. This project anticipates debt funding for the highest priority needs identified by the Condition Assessment.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction			2,000,000	3,500,000	3,500,000	3,000,000		12,000,000
Contingency								-
Total Project Cost	**-**	**-**	**2,000,000**	**3,500,000**	**3,500,000**	**3,000,000**	**-**	**12,000,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (Utilities)			2,000,000	3,500,000	3,500,000	3,000,000		12,000,000
								-
Total Funding	**-**	**-**	**2,000,000**	**3,500,000**	**3,500,000**	**3,000,000**	**-**	**12,000,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Charles Dimmock Site Development**

Budget:
$70,000

Department:
Economic Development

Fund:
General Fund

Project Manager:
City Manager/ Economic Development

Parcel is highlighted in red.

Project Description:

Next steps that will be required to raise the city owned Charles Dimmock site from a Tier 2 to Tier 3/4. Regardless of meeting the Virginia Economic Development Partnership criteria, these studies will be required for any project that will locate on this property.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies		40,000						40,000
Land Acq./ROW								
Design/Admin.		30,000						30,000
Construction								-
Contingency								-
Total Project Cost	**-**	**70,000**	**-**	**-**	**-**	**-**	**-**	**70,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2023-25	Future	Total
General Fund Transfer		70,000						70,000
								-
Total Funding	**-**	**70,000**	**-**	**-**	**-**	**-**	**-**	**70,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Project: **Insulation Replacement at Fire Station #2**

Budget:
$105,000

Department:
Buildings & Grounds

Fund:
General Fund

Project Manager:
Director of Recreation & Parks

Project Description:

Replacement of the 25+ year deteriorating roof insulation at Dunlop Fire Station with spray-on Icynene insulation. Current batt insulation is flaking and falling in bay area and causing roof decking moisture issues, and possible air quality issues.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction		95,000						95,000
Contingency		10,000						10,000
Total Project Cost	**-**	**105,000**	**-**	**-**	**-**	**-**	**-**	**105,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Use of Assigned Balance		105,000						105,000
								-
Total Funding	**-**	**105,000**	**-**	**-**	**-**	**-**	**-**	**105,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Project: **Courthouse CCTV, Access Control, Intercom and PLC**

Budget:
$598,500

Department:
Sheriff's Office

Fund:
General Fund

Project Manager:
Sheriff's Office
Information Technology

Project Description:

Change-out of current analog security controls system to that of a vendor supported digital system.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction			598,500					598,500
Contingency								-
Total Project Cost	**-**	**-**	**598,500**	**-**	**-**	**-**	**-**	**598,500**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Debt Proceeds (General)			598,500					598,500
								-
Total Funding	**-**	**-**	**598,500**	**-**	**-**	**-**	**-**	**598,500**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Violet Bank Museum Restoration - Phase II**

Budget:
$200,000

Department:
Recreation & Parks

Fund:
General Fund

Project Manager:
Director of Recreation & Parks

Project Description:

Additional renovation work at Violet Bank.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.								-
Construction			200,000					200,000
Contingency								-
Total Project Cost	**-**	**-**	**200,000**	**-**	**-**	**-**	**-**	**200,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2023-25**	**Future**	**Total**
Debt Proceeds (General)			200,000					200,000
Use of Assigned Balance/ Grant								-
Total Funding	**-**	**-**	**200,000**	**-**	**-**	**-**	**-**	**200,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Shepherd Stadium Infield/Outfield Turf Renovation**

Budget:
$140,000

Department:
Recreation & Parks

Fund:
General Fund

Project Manager:
Director of
Recreation & Parks

Project Description:

Replacement; Removal of current infield/outfield turf, laser grading, soil amendments, new sod installation, mound building, homeplate construction, warning track replacement and infield drainage.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction			135,000					135,000
Contingency			5,000					5,000
Total Project Cost	**-**		**140,000**	**-**	**-**	**-**	**-**	**140,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Debt Proceeds (General)			140,000					140,000
								-
Total Funding	**-**		**140,000**	**-**	**-**	**-**	**-**	**140,000**
Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Shepherd Stadium Field Lights Replacement**

Budget:
$340,000

Department:
Recreation & Parks

Fund:
General Fund

Project Manager:
Director of
Recreation & Parks

Project Description:

Replacement of the current metal halide lights to LED light fixtures, utilizing current concrete poles and wiring. Includes anticipated equipment and installation costs, removal and disposal of current fixtures, 10 year maintenance warranty, reduction of spill light and glare by 50% or more, reduction of energy and maintenance costs by up to 85%, and Control-Link System for remote on/off control and performance monitoring with 24/7 customer support.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction						330,000		330,000
Contingency						10,000		10,000
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**340,000**	**-**	**340,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (General)						340,000		340,000
								-
Total Funding	**-**		**-**	**-**	**-**	**340,000**	**-**	**340,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Project: **Gateway Roundabout Phase II**

Budget:
$150,000

Department:
Recreation & Parks

Fund:
General Fund

Project Manager:
Director of Recreation & Parks

Project Description:

To place a welcome/gateway sign or other entrance feature and associated landscaping, including irrigation to support the landscaping over the long term, in the newly constructed roundabout at the intersection of Interstate 95 and Temple Avenue. Phase I of this project included installation of an irrigation system and initial landscaping in fiscal year 2019-2020.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.					15,000			15,000
Construction					135,000			135,000
Contingency								-
Total Project Cost	**-**	**-**	**-**	**-**	**150,000**	**-**	**-**	**150,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
General Fund Transfer		-			150,000			150,000
								-
Total Funding	**-**	**-**	**-**	**-**	**150,000**	**-**	**-**	**150,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Project: **Medic-4 Replacement**

Budget:
$300,000

Department:
Fire/EMS

Fund:
General Fund

Project Manager:
Fire/EMS Chief

Project Description:

Replacement; Medium duty medic unit will be 15 years old. If RSAF replacement grant funds are approved, the approved capital funds will be used as grant matching funds to allow for a full replacement and the existing unit will be retired as required by the Virginia Office of EMS.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration								
Construction		300,000						300,000
Contingency								
Total Project Cost	**-**	**300,000**	**-**	**-**	**-**	**-**	**-**	**300,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Use of Assigned Fund Bal.		175,000						175,000
RSAF		125,000						125,000
Total Funding	**-**	**300,000**	**-**	**-**	**-**	**-**	**-**	**300,000**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Project: **Uninterrupted Power Supply (UPS) Replacement**

Budget:
$70,000

Department:
Communications

Fund:
General Fund

Project Manager:
Fire/EMS Chief

Project Description:

Replacement; Upgrade of uninterruptable power supply to maintain constant electrical power during outages to Public Safety Building; also cleans the power so it will be appropriate for electronic devices and directly controls power to the Communications Center, the EOC, and multiple office electronics; current system is 13 years old and life expentancy is between 10-12 years; lack of appropriate maintenance schedule in past resulted in a significant fire in the electrical room; essential for maintaining existing service levels.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration								
Construction		70,000						70,000
Contingency								
Total Project Cost		**70,000**	**-**	**-**	**-**	**-**		**70,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Use of Assigned Fund Balance		70,000						70,000
Total Funding		**70,000**	**-**	**-**	**-**	**-**		**70,000**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**		**-**

Project: **Fire and EMS Engine-941 replacement**

Budget:
$800,000

Department:
Fire/EMS

Fund:
General Fund

Project Manager:
Fire/EMS Chief

Project Description:

Replacement; Engine-941 is 15 years of age. NFPA 1901 Annex D recommends "Because of the changes, upgrades, and fine tuning to NFPA 1901, Standard for Automotive Fire Apparatus, have been truly significant, especially in the area of safety, fire departments should seriously consider the value (or risk) to firefighters of keeping fire apparatus older than 15 years in first line service" It continues to recommend "Apparatus that were not manufactured to the applicable NFPA fire apparatus standards or that are over 25 years old should be replaced". The current Engine will be downgraded and kept as a reserve unit. Reserve unit Squrt-1 will be 26 years old and will be retired.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration								
Construction			800,000					800,000
Contingency								
Total Project Cost		**-**	**800,000**	**-**	**-**	**-**		**800,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (General)			800,000					800,000
Total Funding		**-**	**800,000**	**-**	**-**	**-**		**800,000**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**		**-**

City of Colonial Heights, Virginia
2021-25 Capital Improvement Program

Project: **Fire Station #1 Renovation & Expansion**

Budget:
$1,000,000

Department:
Fire/EMS

Fund:
General Fund

Project Manager:
Fire/EMS Chief

Project Description:

General renovation and overall upgrade to CHFD Fire Station # 1, located on James Ave; project designed to improve the work environment and alleviate significant safety hazards by providing needed renovation and expansion.; improvements to include upstairs renovation and additional engine bay added to the east side of the existing building; project will preserve investment in city-owned facilities and services.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration						200,000		200,000
Construction						700,000		700,000
Contingency						100,000		100,000
Total Project Cost		**-**	**-**	**-**	**-**	**1,000,000**		**1,000,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Debt Proceeds (General)						1,000,000		1,000,000
Total Funding		**-**	**-**	**-**	**-**	**1,000,000**		**1,000,000**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**		**-**

Project: **Fire & EMS replace Medic 932**

Budget:
$300,000

Department:
Fire/EMS

Fund:
General Fund

Project Manager:
Fire/EMS Chief

Project Description:

Replacement; Medium duty medic unit will be over 15 years old. If RSAF replacement grant funds are approved, the approved capital funds will be used as grant matching funds to allow for a full replacement and the existing unit will be retired as required by the Virginia Office of EMS.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration								
Construction						300,000		300,000
Contingency								
Total Project Cost		**-**	**-**	**-**	**-**	**300,000**		**300,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Debt Proceeds (General)						300,000		300,000
Total Funding		**-**	**-**	**-**	**-**	**300,000**		**300,000**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**		**-**

Colonial Heights City School Board
2021-2025 Capital Improvement Program

Project: **School Projects Placeholder**

Budget:
$10,047,550

School/Department
Various

Fund:
Schools (Debt)

Project Manager:
Schools Maint. Director

Project Description:

The School Board has included $20,056,300 in unfunded projects for consideration in the City's CIP. As the School System is unable to issue debt, the City must issue debt for major school capital projects. The responsibility for the debt service on these projects is shared between the School Board and City per the operating Memorandum of Understanding between the two entities. This placeholder recognizes that school projects will impact the City's debt capacity, and therefore a placeholder must be reserved for school projects, however, the projects to be undertaken and the entity responsible for the debt service on these projects will necessitate future discussion and a decision by the School Board and City Council.

Justification:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration								
Construction			3,613,300			6,434,250		10,047,550
Contingency								
Total Project Cost		-	3,613,300	-	-	6,434,250		10,047,550

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
(General)			3,613,300			6,434,250		10,047,550
Total Funding		-	3,613,300	-	-	6,434,250		10,047,550

Surplus/(Deficit)		-	-	-	-	-		-

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UNFUNDED PROJECTS

The table included on the subsequent pages shows projects that were requested by departments, but are unable to be accommodated in the current capital improvement plan. These projects will be re-evaluated each year they are submitted, and may be included in future CIPs as City priorities change or funding becomes available.

Individual project descriptions for the unfunded projects are included behind the project list.

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City of Colonial Heights
FY2020-FY2024 Capital Improvement Plan

FY21 - FY25 Unfunded Projects

Department	Dept Priority	Project Description	Previously Appropriated	Requested Funding FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future Years	TOTAL
Public Works	1	Monitoring Well Installation- North Landfill							133,125	133,125
Public Works	2	Methane Extraction System Rehabilitation							79,875	79,875
Public Works- Stormwater	3	Breezy Hill Stormwater Outfall			200,000					200,000
Public Works- Stormwater	4	Mt. Pleasant Drive Outfall Rehabilitation			285,000					285,000
Public Works- Stormwater	4	TMDL Project placeholder			400,000		400,000			800,000
Public Works- Stormwater	5	Pickwick Drainiage Improvements							200,000	200,000
Public Works- Stormwater	6	Stormwater System Upgrade- Piedmont Avenue							279,030	279,030
Public Works- Stormwater	7	Driftwood Avenue Drainage Outfall							153,786	153,786
Public Works- Stormwater	8	Snead Avenue Drainage							213,000	213,000
Public Works- Stormwater	10	Wildwood Ave Drainage Outfall							107,352	107,352
Public Works- Stormwater	11	MacArthur Ave Drainage Ditch Improvements							93,294	93,294
Public Works- Stormwater	12	Chesterfield Ave Drainage Ditch Improvements							319,500	319,500
Public Works- Stormwater	13	Brookedge Drive (Spring Drive Area) Ditch Improvements							170,826	170,826
Public Works- Stormwater	14	Spring Drive Drainage Improvements							646,988	646,988
Public Works- Stormwater	15	Deerwood Drive Outfall and Storm Sewer							48,458	48,458
Public Works- Transportation	3	Lakeview Avenue Modernization Phase II							10,000,000	10,000,000
Public Works- Transportation	4	Hamilton Ave Widening and Drainage Improvements							5,026,374	5,026,374
Public Works- Transportation	7	Lynchburg Ave Reconstruction - Phase II							2,070,385	2,070,385
Public Works- Transportation	8	Greenwood Avenue Road Reconstruction							576,641	576,641
Public Works- Transportation	9	Charlotte Avenue Reconstruction							516,350	516,350
Public Works- Transportation	10	Archer Ave Reconstruction							1,420,497	1,420,497
Public Works- Transportation	11	Deerwoood Dr, Windmere Dr & Welesley Ln Reconstruction							486,752	486,752
Public Works- Transportation	12	Temple Avenue Widening							16,234,817	16,234,817
Public Works- Transportation	13	I-95 / Southpark Boulevard Interchange at Roslyn Road							12,492,450	12,492,450
Public Works- Transportation	14	Boulevard CSX Bridge Replacement, Safety Improvement							30,459,000	30,459,000
Public Works- Transportation	15	Boulevard Modernization Phase II							18,891,790	18,891,790
Public Works- Transportation	16	Conduit Road Pavement Improvements - Duke of Gloucester St to Temple Ave							1,113,775	1,113,775
Public Works- Transportation	17	Conduit Road Pavement Improvements - Huntington Rd to Duke of Gloucester St							982,247	982,247
Public Works- Transportation	18	Conduit Road Pavement Improvements - Heron Run Dr to Huntington Rd							982,247	982,247
Public Works- Transportation	19	Conduit Road Reconstruction - Westover Avenue to Roslyn Avenue							1,680,918	1,680,918
Public Works- Transportation	20	Conduit Rd Reconstruction - Temple Ave to Westover Ave							3,929,444	3,929,444
Public Works- Water & Sewer	4	Riverside Water Line Replacement					1,920,000			1,920,000
Public Works- Water & Sewer	5	Temple Ave Water Tower & ARWA Ungrades						2,396,250		2,396,250
Public Works- Water & Sewer	6	Citywide Replacement of 2" GS Waterline Phase 4							625,000	625,000
Fire and EMS	6	Fire Station #2 Renovation & Expansion					850,000			850,000
Fire and EMS	7	Fire Station #3						4,000,000		4,000,000
Schools	1	CHHS Front Entrance, Administration Areas		1,425,000	1,798,300					3,223,300
Schools	2	CHHS Fine Arts Renovation (Music- Art)		3,225,000	1,327,250					4,552,250
Schools	3	CHHS Student Commons, Dining & Food Preparation/ Service		1,625,000	3,077,500					4,702,500
Schools	4	CHHS 200 Window Replacements		390,000						390,000
Schools	5	CHHS Auxiliary Gymnasium		3,200,000	2,106,250					5,306,250
Schools	6	Football Field Stadium Lighting Upgrade				340,000				340,000
Schools	7	North Elementary Music & Art Room Addition					1,542,000			1,542,000
TOTAL EXPENDITURES			**-**	**9,865,000**	**9,194,300**	**340,000**	**4,712,000**	**6,396,250**	**109,933,921**	**140,441,471**

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Project: **Monitoring Well Installation - North Landfill**

Budget:

$133,125

Department:

Public Works

Fund:

General Fund

Project Manager:

Director of Public Works

Project Description:

Installation of additional monitoring wells to loop the system. Presently, the City's methane monitoring system is not properly closed based on DEQ regulations. This project would bring the city in compliance and accelerate the schedule for termination of monitoring at the site

City Council Goal(s) Met:

Part of on-going remedial efforts in order to comply with DEQ Consent Order.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration								-
Construction							125,000	125,000
Contingency							8,125	8,125
Total Project Cost	**-**	**-**	**-**	**-**	**-**		**133,125**	**133,125**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
								-
Total Funding	**-**	**-**	**-**	**-**	**-**		**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**		**(133,125)**	**(133,125)**

Project: **Methane Extraction System Rehabilitation**

Budget:
$79,875

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Upgrade pump, valve and underground appurtenances that vent methane gas from closed landfill.

City Council Goal(s) Met:

Will mitigate high concentration of methane gas and will reduce O&M.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration								-
Construction							75,000	75,000
Contingency							4,875	4,875
Total Project Cost	**-**	**-**	**-**	**-**	**-**		**79,875**	**79,875**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
								-
Total Funding	**-**	**-**	**-**	**-**	**-**		**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**		**(79,875)**	**(79,875)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

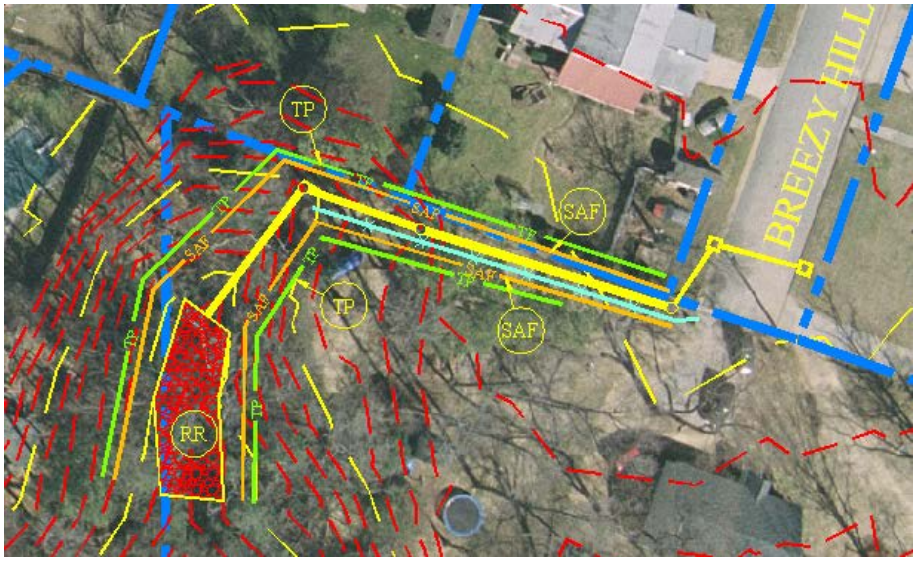
Project: **Breezy Hill Avenue Stormwater Outfall**

Budget:
$200,000

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Replacement of storm sewer outfall piping. This has caused erosion of the embankments that have washed silt and soil into the Appomattox River.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.								
Construction			200,000					200,000
Contingency								
Total Project Cost	**-**	**-**	**200,000**	**-**	**-**	**-**	**-**	**200,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**(200,000)**	**-**	**-**	**-**	**-**	**(200,000)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

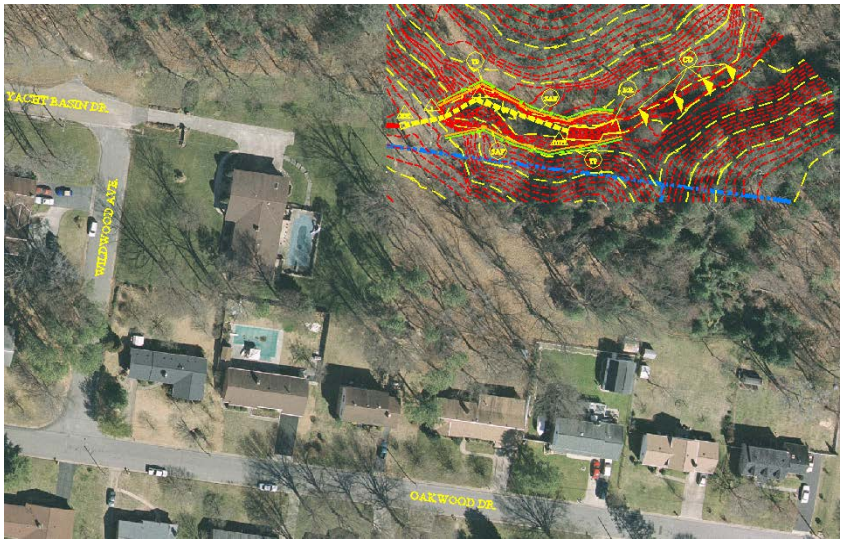
Project: **Mt. Pleasant Drive Outfall Rehabilitation**

Budget:
$285,000

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:
Replacement of concrete endwalls and pipe section at Greenwood, Wildwood, and Driftwood Ave. storm water outfalls.

City Council Goal(s) Met:
Elimination of continual erosion of sediment into Appomattox River. Required through City's Phase II Storm Water NPDES Permit.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.								
Construction			285,000					285,000
Contingency								
Total Project Cost	**-**	**-**	**285,000**	**-**	**-**	**-**	**-**	**285,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**(285,000)**	**-**	**-**	**-**	**-**	**(285,000)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

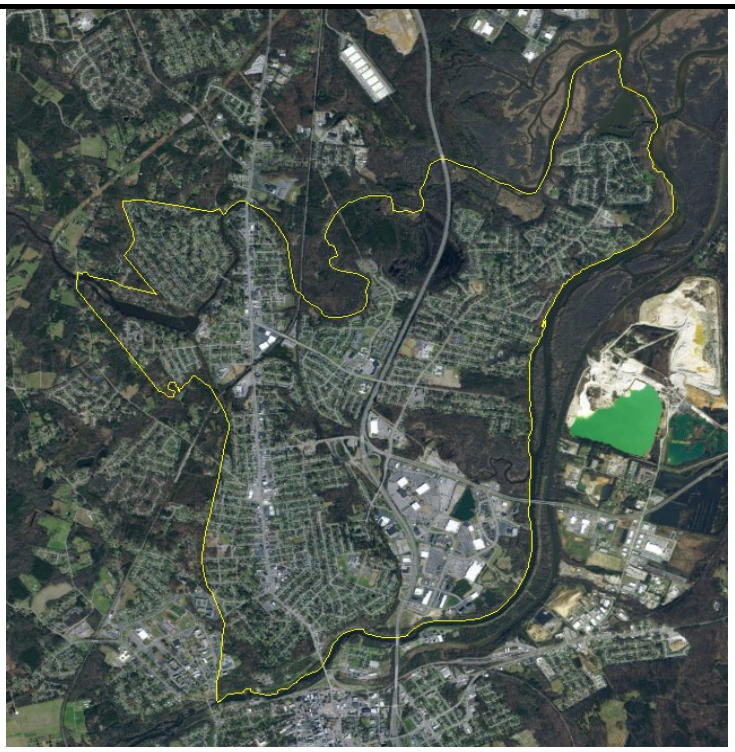
Project: **TMDL Project Placeholder**

Budget:
$800,000

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

The City has retained an engineer to designate projects to mitigate the City's Total Maximum Daily Load of nitrogen, phosphorus, and total suspended solids, the top pollutants of the Chesapeake Bay. The City will be required to significantly reduce these pollutants by 2023 and 2028.

City Council Goal(s) Met:

These projects will be mandated by new state/federal regulations.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction			400,000		400,000			800,000
Contingency								-
Total Project Cost	-	-	400,000	-	400,000	-	-	800,000

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Stormwater Operating								-
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**(400,000)**	**-**	**(400,000)**	**-**	**-**	**(800,000)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Pickwick Avenue Drainage Improvement**

Budget:
$200,000

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering

Project Description:
Improve drainage system for Pickwick Ave.

City Council Goal(s) Met:
Continue efforts to achieve water and wastewater planning to address both short term and long term needs of the City.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.								
Construction							200,000	200,000
Contingency								
Total Project Cost	**-**	**-**	**-**		**-**	**-**	**200,000**	**200,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(200,000)**	**(200,000)**

Project: **Stormwater System Upgrade - Piedmont Avenue**

Budget:
$279,030

Department:
Public Works

Fund:
Stormwater

Project Manager:
Director of Public Works & Engineering

Project Description:

Replacement; Upgrade and expansion of the hydraulic capacity of the storm drain collector in the area of 179 Piedmont Avenue to eliminate an existing bottleneck; public storm drain that crosses private property in this area has a gap in the hydraulic capacity that can create a "backwater" condition that floods the city street and adjacent areas; service level increase for entire stormwater system; will negatively impact safety and service levels without project.

City Council Goal(s) Met:

Continue efforts to achieve effective water and wastewater planning to address both short-term and long-term needs of the City.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW							5,000	5,000
Design/Admin.							10,000	10,000
Construction							180,000	180,000
Contingency							84,030	84,030
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**-**	**279,030**	**279,030**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(279,030)**	**(279,030)**

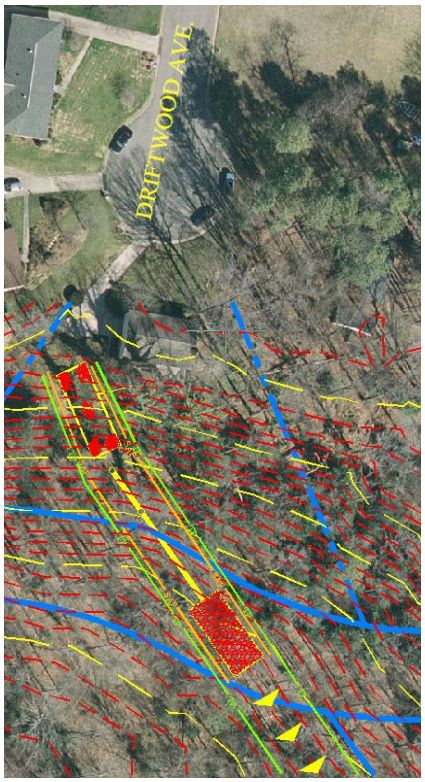
Project: **Driftwood Avenue Drainage Outfall**

Budget:
$153,786

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Replacement of storm sewer outfall piping. This has caused erosion of the embankments that have washed silt and soil into the Appomattox River.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2023-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.							6,000	6,000
Construction							100,000	100,000
Contingency							47,786	47,786
Total Project Cost	**-**	**-**		**-**	**-**	**-**	**153,786**	**153,786**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2023-25**	**Future**	**Total**
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(153,786)**	**(153,786)**

Project: **Snead Avenue Drainage**

Budget:

$213,000

Department:

Public Works

Fund:

Stormwater Fund

Project Manager:

Director of Public Works & Engineering

Project Description:

Repair deteriorated storm water structure and outfall near Snead Avenue.

City Council Goal(s) Met:

Continue efforts to achieve water and wastewater planning to address both short term and long term needs of the City.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies							2,500	2,500
Land Acq./ROW							-	-
Design/Admin.							5,500	5,500
Construction							127,000	127,000
Contingency							78,000	78,000
Total Project Cost	**-**	**-**		**-**	**-**	**-**	**213,000**	**213,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(213,000)**	**(213,000)**

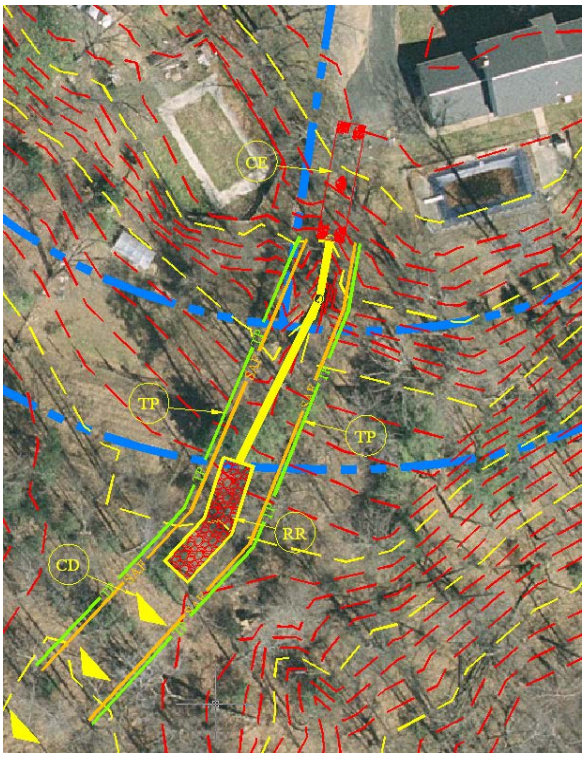
Project: **Wildwood Avenue Drainage Outfall**

Budget:
$107,352

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Repair deteriorated storm water structure and outfall near Wildwood Avenue.

City Council Goal(s) Met:

Continue efforts to achieve water and wastewater planning to address both short term and long term needs of the City.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies							2,000	2,000
Land Acq./ROW								
Design/Admin.							5,000	5,000
Construction							65,000	65,000
Contingency							35,352	35,352
Total Project Cost	**-**	**-**	**-**		**-**	**-**	**107,352**	**107,352**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(107,352)**	**(107,352)**

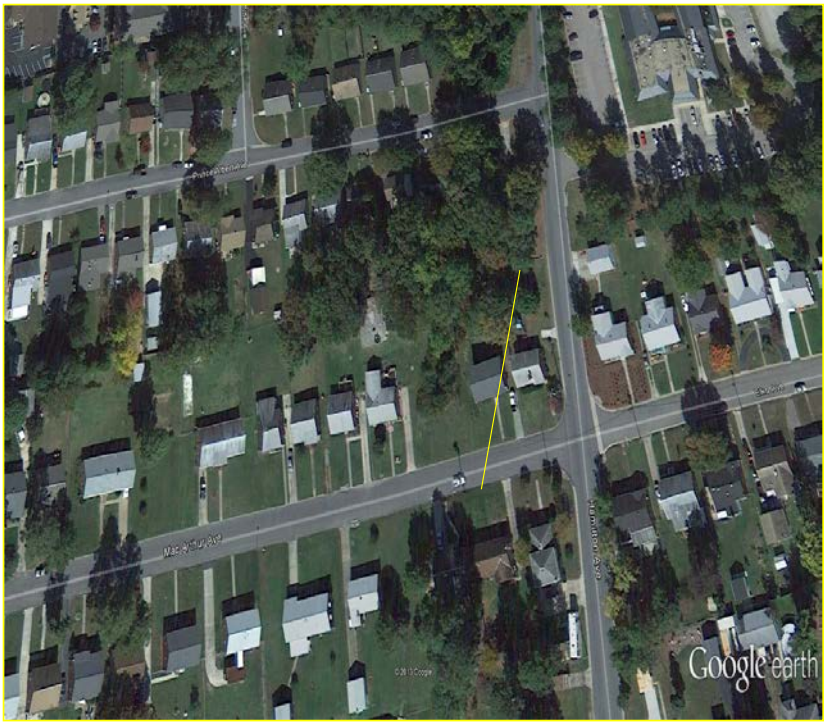
Project: **MacArthur Ave Drainage Ditch Improvements**

Budget:
$93,294

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Channel restoration to improve area drainage and reduce erosion. This work would involve channel improvement, and restoration of ditches and culverts upstream.

City Council Goal(s) Met:

This project improves health and safety by reducing erosion and removing hazards from the channel.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.							6,000	6,000
Construction							36,500	36,500
Contingency							50,794	50,794
Total Project Cost	**-**	**-**	**-**				**93,294**	**93,294**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(93,294)**	**(93,294)**

Project: **Chesterfield Ave Drainage Ditch Improvements**

Budget:
$319,500

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Channel restoration to improve area drainage and reduce erosion. This work would involve channel improvement, and restoration of ditches and culverts upstream. Additionally, resurfacing of Chesterfield Ave and installation of guardrails is part of this project.

City Council Goal(s) Met:

This project improves the health and safety of the residents in the area by improving a pedestrian and vehicle hazard

	Previous	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.							15,000	15,000
Construction							160,000	160,000
Contingency							144,500	144,500
Total Project Cost	**-**	**-**			**-**	**-**	**319,500**	**319,500**

Funding Source(s)	Previous	FY2019-20	FY2020-21	FY2021-22	FY2022-23	FY2023-24	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(319,500)**	**(319,500)**

Project: **Brookedge Drive (Spring Drive Area) Ditch Improvements**

Budget:

$170,826

Department:

Public Works

Fund:

Stormwater Fund

Project Manager:

Director of Public Works & Engineering

Project Description:

Channel restoration to improve area drainage and reduce erosion. This work would involve acquisition of right-of-way, channel improvement, and restoration of ditches and culverts upstream.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies							6,800	6,800
Land Acq./ROW							8,000	8,000
Design/Admin.							10,000	10,000
Construction							90,500	90,500
Contingency							55,526	55,526
Total Project Cost	**-**			**-**	**-**	**-**	**170,826**	**170,826**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
Total Funding	**-**			**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**			**-**	**-**	**-**	**(170,826)**	**(170,826)**

Project: **Spring Drive Drainage Improvements**

Budget:

$646,988

Department:

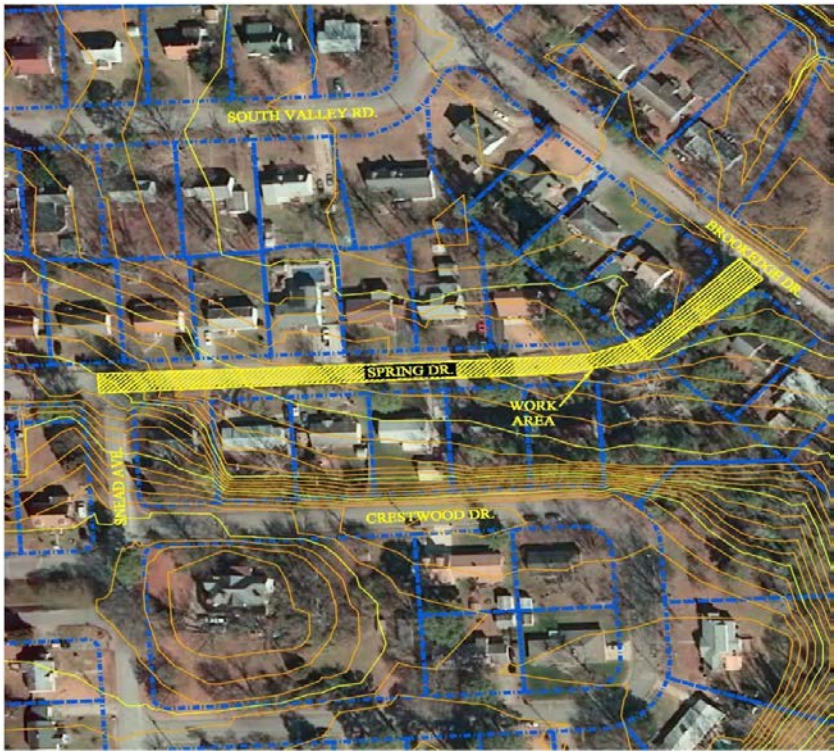
Public Works

Fund:

Stormwater Fund

Project Manager:

Director of Public Works & Engineering



Project Description:

Reconstruction of Spring Dr. to include installation of curb and gutter, drainage infrastructure, replacement of water and sewer facilities if needed. Project will require acquisition of permanent and temporary construction easements in order to properly address downstream drainage.

City Council Goal(s) Met:

Drainage improvements for neighborhood.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies							6,500	6,500
Land Acq./ROW							30,000	30,000
Design/Admin.							25,000	25,000
Construction							390,000	390,000
Contingency							195,488	195,488
Total Project Cost	**-**						**646,988**	**646,988**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(646,988)**	**(646,988)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Deerwood Drive Outfall and Storm Sewer**

Budget:
$48,458

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Rehabilitation of storm outfall washing silt into the Appomattox River. Approximately 10 feet of existing 18 inch storm sewer pipe to be removed. Downstream outlet will be graded and armored to slow down water to non-erodible velocities.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.							5,000	5,000
Construction							30,000	30,000
Contingency							13,458	13,458
Total Project Cost	**-**	**-**		**-**	**-**	**-**	**48,458**	**48,458**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**		**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**		**-**	**-**	**-**	**(48,458)**	**(48,458)**

***May require additional easement to stabilize area.

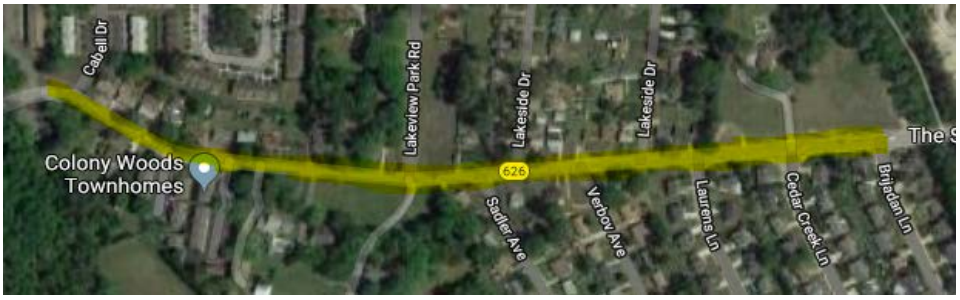
Project: **Lakeview Avenue Modernization, Phase II**

Budget:
$10,000,000

Department:
Public Works

Fund:
General Fund and Grant Funding

Project Manager:
Director of Public Works & Engineering



Project Description:

Widen Lakeview Avenue from Brijadan Lane to City Limits. Construct a new 12' center turn lane with 11' thru lanes. 4' paved shoulders, 5' sidewalks, 4' buffer strips, updated street lighting and new storm water utilities will be included in this project.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW							3,000,000	3,000,000
Design/Administration							1,000,000	1,000,000
Construction							6,000,000	6,000,000
Contingency								-
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**-**	**10,000,000**	**10,000,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding		**-**	**-**	**-**	**-**	**-**		

Surplus/(Deficit)		-	-	-	-	-	(10,000,000)	(10,000,000)

Project: **Hamilton Avenue Widening and Drainage Improvements**

Budget:
$5,026,374

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering

Project Description:
Widening of existing pavement and improvement of drainage.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies							35,000	35,000
Land Acq./ROW							834,600	834,600
Design/Admin.							650,000	650,000
Construction							3,200,000	3,200,000
Contingency							306,774	306,774
Total Project Cost	-	-			-	-	5,026,374	5,026,374

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	-	-	-	-	-	-	-	-

Surplus/(Deficit)	-	-	-	-	-	-	(5,026,374)	(5,026,374)

Project: **Lynchburg Avenue Reconstruction - Phase II**

Budget:
$2,070,385

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Curb and gutter reconstruction with replacement of infrastructure. Lynchburg Avenue from Lee Place to Elko Avenue.

City Council Goal(s) Met:

Continue on-going work to effectively access external funds to complete various road improvement projects.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies							-	-
Land Acq./ROW							250,000	250,000
Design/Admin.							150,000	150,000
Construction							1,167,889	1,167,889
Contingency							502,496	502,496
Total Project Cost	**-**			**-**	**-**	**-**	**2,070,385**	**2,070,385**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(2,070,385)**	**(2,070,385)**

Project: **Greenwood Avenue Road Reconstruction**

Budget:
$576,641

Department:
Public Works

Fund:
Stormwater Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Replace curb and gutter, pavement, and storm water improvements.

City Council Goal(s) Met:

Continue to complete City road improvement projects.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW							15,000	15,000
Design/Admin.							53,729	53,729
Construction							369,690	369,690
Contingency							138,222	138,222
Total Project Cost	**-**	**-**	**-**		**-**	**-**	**576,641**	**576,641**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**		

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(576,641)**	**(576,641)**

Project: **Charlotte Avenue Reconstruction**

Budget:

$516,350

Department:

Public Works

Fund:

Stormwater Fund

Project Manager:

Director of Public Works & Engineering

Project Description:

Reconstruction of roadway includes pavement, drainage gutters, and infrastructure. Charlotte Avenue-Cottage Grove Avenue to Boulevard.

City Council Goal(s) Met:

Continue on-going work to effectively access external funds and complete various road improvement projects.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.							65,226	65,226
Construction							327,354	327,354
Contingency							123,770	123,770
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**-**	**516,350**	**516,350**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(516,350)**	**(516,350)**

Project: **Archer Avenue Reconstruction**

Budget:
$1,420,497

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Boulevard to the improved section of Archer Avenue.

City Council Goal(s) Met:

Improve substandard road to facilitate access to Park.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW							65,000	65,000
Design/Admin.							140,000	140,000
Construction							875,000	875,000
Contingency							340,497	340,497
Total Project Cost	**-**	**-**			**-**	**-**	**1,420,497**	**1,420,497**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(1,420,497)**	**(1,420,497)**

Project: **Deerwood Dr., Windmere Dr. and Welesley Lane Reconstruction**

Budget:
$486,752

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Deerwood Drive from Intersection with Conduit Rd to Cul-de-sac; Windmere Drive to Intersection with Welesley Lane; Welesley Lane from Intersection with Windmere Drive to Intersection with Berkshire Lane.

City Council Goal(s) Met:

Continue on-going work to effectively access external funds and complete various road improvement projects.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.							50,000	50,000
Construction							320,076	320,076
Contingency							116,676	116,676
Total Project Cost	**-**		**-**	**-**	**-**	**-**	**486,752**	**486,752**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(486,752)**	**(486,752)**

Project: **Temple Avenue Widening**

Budget:
$16,234,817

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Temple Avenue widening to 6 lanes from I-95 east to City Limits

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW							3,000,000	3,000,000
Design/Admin.							1,396,611	1,396,611
Construction							7,946,677	7,946,677
Contingency							3,891,529	3,891,529
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**-**	**16,234,817**	**16,234,817**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(16,234,817)**	**(16,234,817)**

Project: **I-95 / Southpark Boulevard Interchange at Roslyn Road**

Budget:
$12,492,450

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:
Improvements to the ramp/interchange area at I-95 and Southpark.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acq./ROW								-
Design/Admin.								-
Construction								-
Contingency							762,450	762,450
Total Project Cost	**-**	**-**	**-**			**-**	**12,492,450**	**12,492,450**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(12,492,450)**	**(12,492,450)**

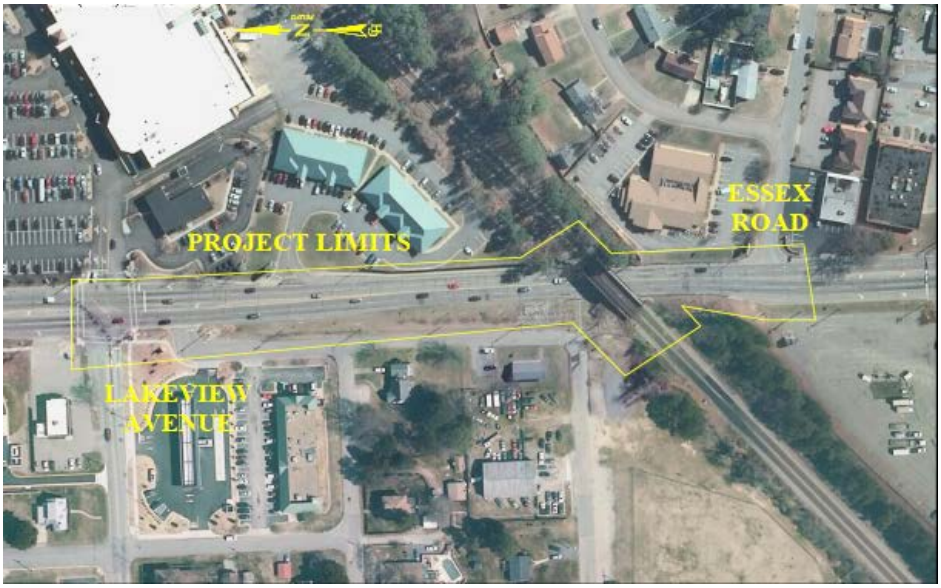
Project: **Boulevard CSX Bridge Replacement, Safety Improvement**

Budget:
$30,459,000

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public & Engineering



Project Description:

Widen Boulevard from Essex Road to Lakeview Avenue with four 11' thru lanes. New 4' paved shoulders, 5' plant strips, 6' sidewalks, street lighting and storm sewer utilities will be installed. The existing CSX bridge will be replaced and set farther back from the Boulevard in order for improvements to the Boulevard. The current rail lines on the CSX bridge will be increased from 2 to 3, with the third line being utilized for future high speed rail.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW							5,500,000	5,500,000
Design/Administration							2,500,000	2,500,000
Construction							20,600,000	20,600,000
Contingency							1,859,000	1,859,000
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**-**	**30,459,000**	**30,459,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
								-
Total Funding		**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**	**(30,459,000)**	**(30,459,000)**

Project: **Boulevard Modernization Phase II**

Budget:
$18,891,790

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Widen and reconstruct the 4 existing thru lanes to 11' and the center turn lane to 12'. Reconstruction will include paved shoulders, curb and gutter, sidewalks, stormwater, utility relocation, traffic signals and street lighting.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW							3,893,520	3,893,520
Design/Administration							2,011,703	2,011,703
Construction							11,833,547	11,833,547
Contingency							1,153,020	1,153,020
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**-**	**18,891,790**	**18,891,790**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
								-
Total Funding		**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**	**(18,891,790)**	**(18,891,790)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Conduit Road Pavement Improvements - Duke of Gloucester St to Temple Ave**

Budget:

$1,113,775

Department:

Public Works

Fund:

General Fund

Project Manager:

Director of Public Works & Engineering

Project Description:

Repaving of Conduit Road from Duke of Gloucester St to Temple Ave.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration								-
Construction							1,045,798	1,045,798
Contingency							67,977	67,977
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**-**	**1,113,775**	**1,113,775**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
								-
Total Funding		**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**	**(1,113,775)**	**(1,113,775)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Conduit Road Pavement Improvements - Huntington Rd to Duke of Gloucester St**

Budget:
$982,247

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Repaving of Conduit Road from Huntington Road to Duke of Gloucester Street.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration								-
Construction							922,298	922,298
Contingency							59,949	59,949
Total Project Cost		**-**	**-**	**-**	**-**	**-**	**982,247**	**982,247**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
								-
Total Funding		**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**	**(982,247)**	**(982,247)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Conduit Road Pavement Improvements - Heron Run Dr to Huntington Rd**

Budget:
$982,247

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public & Engineering

Project Description:

Repaving of Conduit Road from Heron Run Drive to Huntington Road.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration								-
Construction							922,298	922,298
Contingency							59,949	59,949
Total Project Cost		**-**	**-**	**-**	**-**	**-**	**982,247**	**982,247**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
								-
Total Funding		**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**	**(982,247)**	**(982,247)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Conduit Road Reconstruction - Westover Avenue to Roslyn Avenue**

Budget:
$1,680,918

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering

Project Description:

Reconstruct Conduit Road via Full-Depth Reclamation from Westover Avenue to Roslyn Avenue and construction of sidewalk along the eastern side of Conduit Rd.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration								
Construction							1,578,327	1,578,327
Contingency							102,591	102,591
Total Project Cost			-	-	-	-	**1,680,918**	**1,680,918**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Future
Total Funding			-	-	-	-		-

Surplus/(Deficit)			-	-	-	-	**(1,680,918)**	**(1,680,918)**

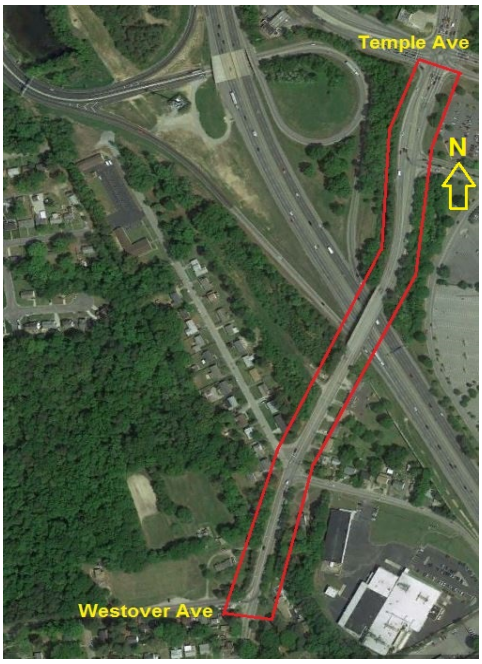
Project: **Conduit Rd Reconstruction - Temple Ave to Westover Ave**

Budget:
$3,929,444

Department:
Public Works

Fund:
General Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Reconstruct Conduit Road from Temple Avenue to Westover Avenue including paving, curb/gutter, sidewalks, drainage and intersection improvements at Roslyn Avenue.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW							400,000	400,000
Design/Administration							315,728	315,728
Construction							2,271,818	2,271,818
Contingency							941,898	941,898
Total Project Cost		**-**	**-**	**-**	**-**	**-**	**3,929,444**	**3,929,444**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
								-
Total Funding		**-**	**-**	**-**	**-**	**-**	**-**	**-**
Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**	**(3,929,444)**	**(3,929,444)**

City of Colonial Heights, Virginia
FY 2021-FY2025 Capital Improvement Program

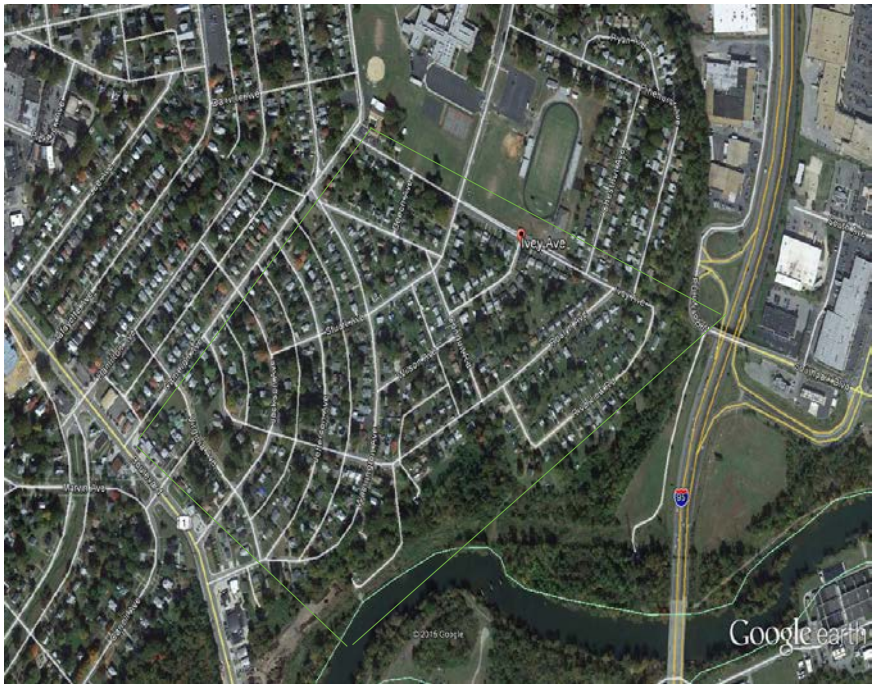
Project: **Riverside Water Line Replacement**

Budget:
$1,920,000

Department:
Public Works

Fund:
Utilities Fund

Project Manager:
Director of Public Works & Engineering



Project Description:

Replace approximately 8,000 ft. of 2 inch and aged 4 inch waterline in the neighborhoods south of Ivey and Hamilton Avenue.

City Council Goal(s) Met:

This project will address citizen complaints regarding water pressure and volume. Also, will reduce the amount of service interruptions due to line breaks and failures in the area.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acq./ROW								
Design/Admin.					120,000			120,000
Construction					1,285,714			1,285,714
Contingency					514,286			514,286
Total Project Cost	**-**	**-**	**-**		**1,920,000**	**-**	**-**	**1,920,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
								-
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**(1,920,000)**	**-**	**-**	**(1,920,000)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Temple Avenue Water Tower and ARWA Upgrades**

Budget:
$2,396,250

Department:
Public Works

No image available

Fund:
Enterprise Fund

Project Manager:
Director of Public Works

Project Description:

In February 2013, Appomattox River Water Authority (ARWA) performed a water pump station evaluation to address the Authority's Capital Project needs in order to: 1) Extend the life of transmission mains; 2) to upgrade the infrastructure in order to provide the increased capacities to meet the increasing water demand of surrounding jurisdictions. The report recommended a new 3.5 MGD Pump Station and Tank be constructed on Temple Avenue.

City Council Goals Met:

To provide reliable water capacity to jurisdictions during peak demand.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration								-
Construction							2,250,000	2,250,000
Contingency							146,250	146,250
Total Project Cost	**-**		**-**	**-**	**-**	**-**	**2,396,250**	**2,396,250**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**		**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**		**-**	**-**	**-**	**-**	**(2,396,250)**	**(2,396,250)**

Project: **2" GS Waterline Replacement Phase 4**

Budget:

$625,000

Department:

Public Works

Fund:

Water & Sewer

Project Manager:

Director of Public Works & Engineering

Project Description:

Replacement of 2" Galvanized Steel waterlines at the following locations: Ivey Ave (894'), Pinehurst (560'), Hamilton (406'), Riverview Rd (858'), Lilliston Ave (623'), Riverside Rd (200').

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration								
Construction							625,000	625,000
Contingency								
Total Project Cost	**-**	**-**	**-**	**-**	**-**	**-**	**625,000**	**625,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Surplus/(Deficit)	**-**	**-**	**-**	**-**	**-**	**-**	**(625,000)**	**(625,000)**

Project: **Fire Station #2 Renovation and Expansion**

Budget:
$850,000

Department:
Fire/EMS

Fund:
General Fund

Project Manager:
Fire/EMS Chief

Project Description:

New Public Safety Facility to be located on a portion of the City owned property along Charles Dimmock Parkway. Significant development in the Southpark area including mid-rise hotels and large numbers of retail visitors to the City are not in close proximity to a local station. The facility concept would allow for a Police substation and potential training grounds behind the facility. Even though this is one of the most populated areas it is one of the longest response areas for Fire and EMS; Project will improve quality of service, reduce response times, and provide ability to relocate the Quint to the areas containing mid-rise buildings.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration					50,000			50,000
Construction					650,000			650,000
Contingency					150,000			150,000
Total Project Cost		**-**	**-**	**-**	**850,000**	**-**		**850,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding		**-**	**-**	**-**	**-**	**-**		**-**

Surplus/(Deficit)		**-**	**-**	**-**	**(850,000)**	**-**		**(850,000)**

City of Colonial Heights, Virginia
FY2021-FY2025 Capital Improvement Program

Project: **Fire Station #3**

Budget:
$4,000,000

Department:
Fire/EMS

Fund:
General Fund

Project Manager:
Fire/EMS Chief

Project Description:

New Public Safety Facility to be located on a portion of the City owned property along Charles Dimmock Parkway. Significant development in the Southpark area including mid-rise hotels and large numbers of retail visitors to the City are not in close proximity to a local station. The facility concept would allow for a Police substation and potential training grounds behind the facility. Even though this is one of the most populated areas it is one of the longest response areas for Fire and EMS; Project will improve quality of service, reduce response times, and provide ability to relocate the Quint to the areas containing mid-rise buildings.

City Council Goal(s) Met:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								
Land Acquisition/ROW								
Design/Administration						400,000		400,000
Construction						3,500,000		3,500,000
Contingency						100,000		100,000
Total Project Cost		**-**	**-**	**-**	**-**	**4,000,000**		**4,000,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
								-
Total Funding		**-**	**-**	**-**	**-**	**-**		**-**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**(4,000,000)**		**(4,000,000)**

Colonial Heights City School Board
FY2021-FY2025 Capital Improvement Program

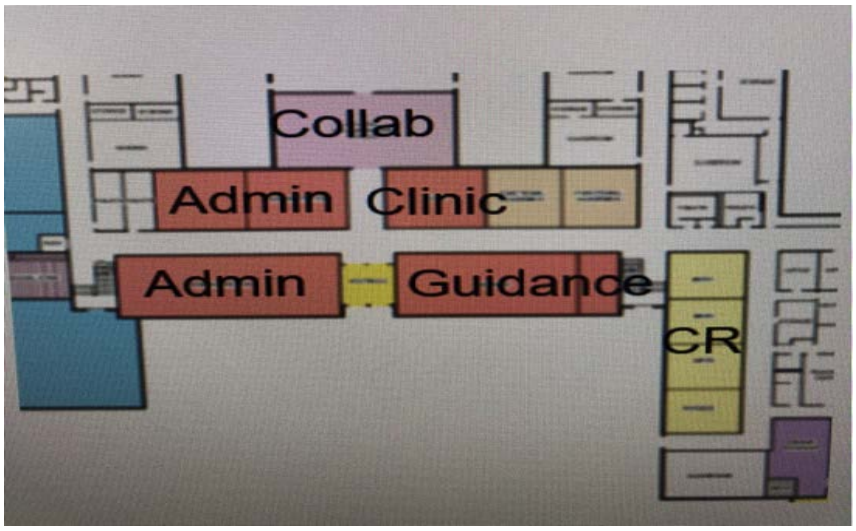
Project: **CHHS Front Entrance, Administration Areas**

Budget:
$3,223,300

School/Department
High School

Fund:
General Fund/
Schools

Project Manager:
Maintenance Dir.



Project Description:

This project recommends relocating Administration to the main entry to provide a more visible and secure control point for visitor and student access to the school, and added presence in proximity to communal spaces. Three (3) existing general classrooms will be renovated for Administration and existing Administrative space will be renovated as three (3) General Classrooms. A student collaborative space would be added. The new clinic will be adequate to provide two new toilets, waiting, nurse's station, resting ares and treatment room. Functional Academic Classrooms will be moved to renovated area next to clinic, enabling sharing of the restrooms in the clinic. 14,048 SF renovation.

Justification:

The reconfiguration of front office administrative space would enhance school security and be in line with modern design layout of front entrance access to the building. The student commons area would provide High School students with a central, highly-visible location to congregate, study and socialize. The clinic and functional academics rooms would better meet the needs of students.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration		300,000	94,660					394,660
Construction		1,000,000	1,578,640					2,578,640
Contingency		125,000	125,000					250,000
Total Project Cost		**1,425,000**	**1,798,300**	**-**	**-**	**-**		**3,223,300**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (General)								-
Bond								-
Total Funding		**-**	**-**	**-**	**-**	**-**		**-**

Surplus/(Deficit)		**(1,425,000)**	**(1,798,300)**	**-**	**-**	**-**		**(3,223,300)**

Colonial Heights City School Board
FY2021-FY2025 Capital Improvement Program

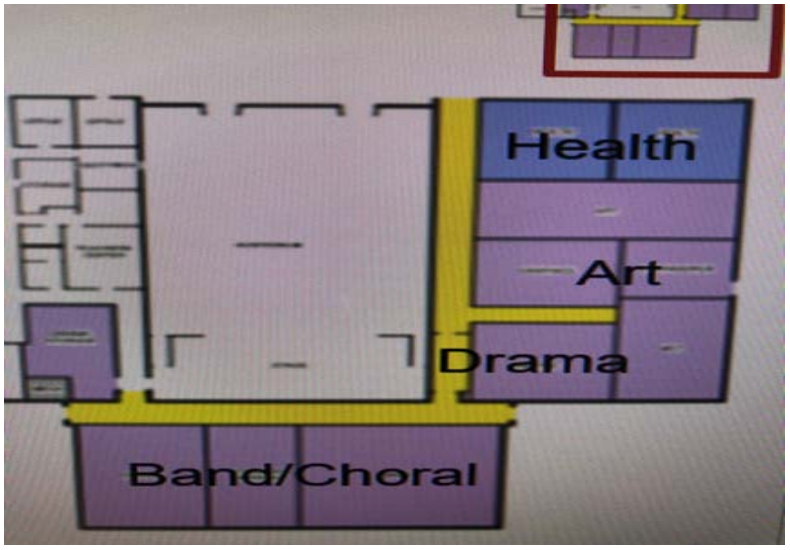
Project: **CHHS Fine Arts Renovation (Music - Art)**

Budget:
$4,552,250

School/Department
High School

Fund:
General Fund/ Schools

Project Manager:
Maintenance Dir.



Project Description:

Add new space/structures for Choral, Band and related storage. Remove existing rooms located on North end of school and rebuild Theater, Art, Graphics and Health Rooms. Create space for Drama storage. 6,600 SF new construction and 8,760 SF of renovation.

Justification:

The Fine Arts wing is dated and the space is not sufficient (1964). The current choir and drama programs have to share a classroom that is amphitheater style and does not adequately accommodate disabilities. The band space is amphitheater style and not ADA compliant. The two art classrooms are small and lack proper ventilation. There is not enough room to offer photography. All classrooms lack proper storage areas for their respective programs, which pose safety concerns. Much of the hallway is used for rafter and instrument storage.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration		600,000	60,450					660,450
Construction		2,500,000	1,141,800					3,641,800
Contingency		125,000	125,000					250,000
Total Project Cost		**3,225,000**	**1,327,250**	**-**	**-**	**-**		**4,552,250**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Debt Proceeds (General)								-
Total Funding		**-**	**-**	**-**	**-**	**-**		**-**

Surplus/(Deficit)		**(3,225,000)**	**(1,327,250)**	**-**	**-**	**-**		**(4,552,250)**

Colonial Heights City School Board
FY2021-FY2025 Capital Improvement Program

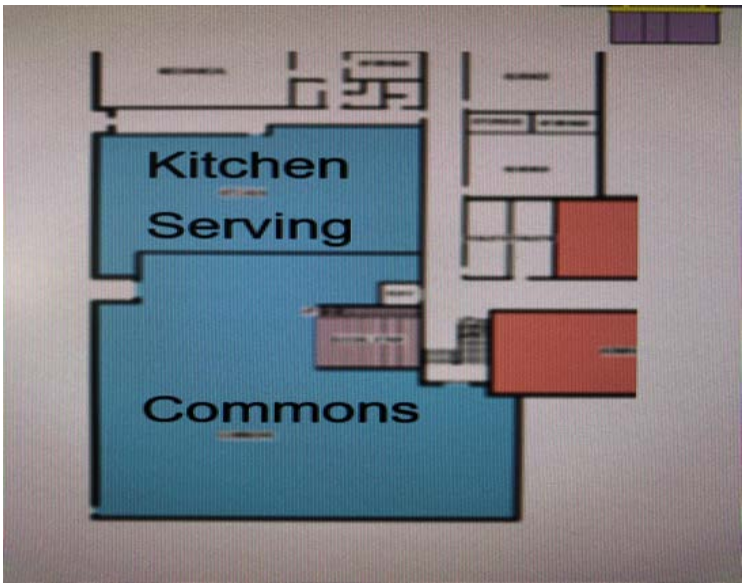
Project: **CHHS Student Commons & Dining & Food Preparation/Service**

Budget:
$4,702,500

School/Department
High School

Fund:
General Fund/
Schools

Project Manager:
Maintenance Dir.



Project Description:

The existing Food Prep & Service, Student Dining areas, and associated spaces will be replaced with new Food Prep & Service and Student Dining facilities within their current footprint. Student Dining is to be consolidated and relocated within that footprint to access more natural light and provide a more communal space for the students. 7,240 SF new construction, 3,920 SF renovation with dining and kitchen and food service equipment.

Justification:

The current kitchen and dining facilities are dated and do not provide the environment for either efficient operations or dining enjoyment for High School age students. Modern High School cafeterias provide for an age appropriate "food court" layout that enhances a critical part of the student's day. Modern kitchens allow for safe and efficient preparation of diverse menus that High School students expect.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2023-24	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration		500,000	190,500					690,500
Construction		1,000,000	2,762,000					3,762,000
Contingency		125,000	125,000					250,000
Total Project Cost		**1,625,000**	**3,077,500**	**-**	**-**	**-**		**4,702,500**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2023-24	Future	Total
Shared CHPS/CH City					-			-
Bond								-
Total Funding		**-**	**-**	**-**	**-**	**-**		**-**

Surplus/(Deficit)		**(1,625,000)**	**(3,077,500)**	**-**	**-**	**-**		**(4,702,500)**

Colonial Heights City School Board
FY2021-FY2025 Capital Improvement Program

Project: **CHHS - 200 Window Replacements**

Budget:
$390,000

School/Department
CHHS

Fund:
General Fund/ Schools

Project Manager:
Maintenance Dir.

Project Description:

Design, furnishing, removal and replacement of 200 exterior windows to enhance energy savings, modernize appearance and eliminate old worn mechanical components. Additionally, the current windows require asbestos abatement. Other work includes furnishing and installing concrete masonry units to infill wall openings where existing mechanical units will be removed. Approximately 200 - 4'X4' Windows and $50,000 Aesbestos Abatement.

Justification:

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Acquisition/ROW								-
Design/Administration								-
Construction		380,000						380,000
Contingency		10,000						10,000
Total Project Cost		**390,000**	**-**	**-**	**-**	**-**		**390,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
City		390,000						390,000
								-
Total Funding		**390,000**	**-**	**-**	**-**	**-**		**390,000**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**		**-**

Colonial Heights City School Board
FY2021-FY2025 Capital Improvement Program

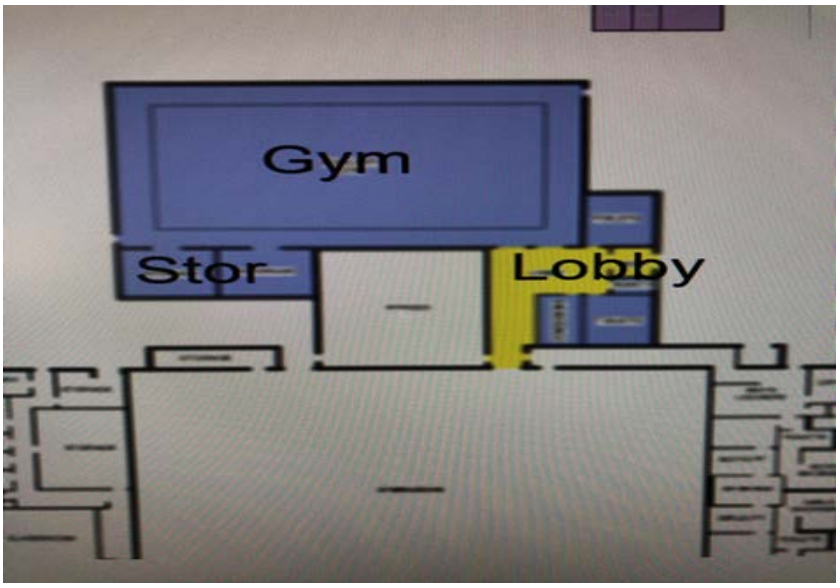
Project: **CHHS Auxiliary Gymnasium**

Budget:
$5,306,250

School/Department
High School

Fund:
General Fund/
Schools

Project Manager:
Maintenance Dir.



Project Description:

Addition of 11,800 SF auxiliary gym without seating and storage, restrooms and lobby . Additional parking and stormwater managemrnt required in project.

Justification:

The current gymnasium does not accommodate the numbers of students and diverse sports that need the facility during inclement weather that prevents outside practice. In order for students to be competitive, off-season workouts are needed. The current facilities do not provide adequate space to accommodate this need. City recreational sports programs would benefit from the additional facility.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration		500,000	136,750					636,750
Construction		2,500,000	1,745,000					4,245,000
Contingency		200,000	224,500					424,500
Total Project Cost		**3,200,000**	**2,106,250**	**-**	**-**	**-**		**5,306,250**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2024-25**	**Future**	**Total**
Shared CHPS/CH City						-		-
Bond								-
Total Funding		**-**	**-**	**-**	**-**	**-**		**-**

Surplus/(Deficit)		**(3,200,000)**	**(2,106,250)**	**-**	**-**	**-**		**(5,306,250)**

Colonial Heights City School Board
FY2021-FY2025 Capital Improvement Program

Project: **Football Field Stadium Lighting Upgrade**

Budget:
$340,000

School/Department
High School

Fund:
General Fund/ Schools

Project Manager:
Maintenance Dir.

Project Description:

New LED fixtures. Removal of metal halide fixtures, mounts, electrical to include service panel upgrades.

Justification:

Current stadium lighting is old and energy inefficient (1980's). LED offers much better and field focused lighting with significant energy saving and lower maintenance costs. Project includes removal of CHPS owned transformer and installing Dominion Energy's equipment from the meter in. Transformers and equipment have had several maintenance issues throughout the years and events such as football games and graduation cannot be interrupted.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Studies								-
Land Acquisition/ROW								-
Design/Administration								-
Construction				335,000				335,000
Contingency				5,000				5,000
Total Project Cost		**-**	**-**	**340,000**	**-**	**-**		**340,000**

Funding Source(s)	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2024-25	Future	Total
Debt Proceeds (General)				340,000				340,000
								-
Total Funding		**-**	**-**	**340,000**	**-**	**-**		**340,000**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**-**		**-**

Colonial Heights City School Board
FY2021-FY2025 Capital Improvement Program

Project: **North Elementary Music & Art Room Addition**

Budget:
$1,542,000

School/Department
North Elementary

Fund:
General Fund/
Schools

Project Manager:
Maintenance Dir.

Project Description:

1,100 sq ft Music Room, 1,300 sq ft Art Room, Storage and Kiln. Cabinets, IT, sinks, shelving, desks and chairs.

Justification:

The current art and music classrooms are normal classrooms converted to cover the music and art classes. The size does not accommodate the numbers of students and takes space from other classes such as special education. For art we would be able to place the kiln room and storage room for supplies all in one place while providing a safe environment for students to learn. The music room will be able to provide space for the state required keys programs in 4th and 5th grade. The numbers at North are up to 372 students currently from 330 students last year. If the enrollment continues to grow we will have to take the current music and art rooms to create additional grade level classrooms. The new area would tie into the front of the building to adjacent to the new media center.

	Previous	FY2020-21	FY2021-22	FY2022-23	FY2023-24	FY2023-24	Future	Total
Studies		-						-
Land Acquisition/ROW								-
Design/Administration						130,000		130,000
Construction						1,312,000		1,312,000
Contingency						100,000		100,000
Total Project Cost		**-**	**-**	**-**	**-**	**1,542,000**		**1,542,000**

Funding Source(s)	**Previous**	**FY2020-21**	**FY2021-22**	**FY2022-23**	**FY2023-24**	**FY2023-24**	**Future**	**Total**
Debt (City/Schools)		-						-
								-
Total Funding		**-**	**-**	**-**	**-**	**-**		**-**

Surplus/(Deficit)		**-**	**-**	**-**	**-**	**(1,542,000)**		**(1,542,000)**

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CONCLUSION

Colonial Heights is a dynamic and vibrant community, and will need to renovate and replace core infrastructure and facilities to continue the excellent services enjoyed by its citizens. Through the use of dedicated funding streams and future planning, this Capital Improvement Plan will maintain the current level of service enjoyed by the residents of Colonial Heights.

City Management recognizes the need for continued capital improvement planning to avoid "capital improvements by catastrophe", and to ensure the future financial stability and redevelopment of the City of Colonial Heights. This is the second year that Colonial Heights has gone through a CIP process that integrates debt with capital planning for large projects in an effort to critically plan and provide a foundation for future decision making.

In conclusion, the Staff would like to thank the City Council for this opportunity to serve the citizens of Colonial Heights.