City of Harrisonburg

Capital Improvement Program

FY 2020-2021 Through FY 2024-2025

CITY OF HARRISONBURG
CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2020-21 THROUGH FISCAL YEAR 2024-25

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CITY OF HARRISONBURG
CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2020-2021 THROUGH FISCAL YEAR 2024-2025

INTRODUCTION

Purpose

The Capital Improvement Program (CIP) is a multi-year production and scheduling of capital projects of $50,000 or greater with an appropriate financing plan to fund these projects. Harrisonburg's CIP is prepared annually to facilitate planning and setting priorities among capital improvement needs over a subsequent five-year period. The CIP is designed to identify projects for all City departments for which funding has already been committed or is being sought for some time within the five-year planning period.

Planning for capital equipment and improvements is a matter of prudent fiscal management. Large, non-recurring capital outlays require special planning for several reasons. First, special planning is needed to ensure that assets are acquired in time to meet specific needs. Also, careful planning can seek to spread costs more comfortably over several years and avoid a large peak in expenditures during a single year. A comprehensively prepared CIP also shows a strong commitment to the City's Mission Statement.

It should be stressed that the CIP is not a budget, but a planning tool. The actual commitment of funds for any capital item comes with the approval of the annual budget for each fiscal year. However, the CIP should serve as an important planning tool for formulating the capital portion of the annual budget. All the proposed projects within the CIP will likely not be funded exactly as outlined due to budgetary restraints. Nevertheless, all the projects are important and need to be included in the planning document to have a clear vision of the City's long-term needs. Projects for Harrisonburg City Public Schools are also included within the document.

Finally, it should be stressed that the CIP is not a static plan. It is a part of annual planning and programming. Each year, another year will be added to the planning period to maintain the five-year forecast horizon. Also, each year, costs and needs are reevaluated. The goal of this process is for the City to continue to meet its capital needs in a timely manner and to maintain a tradition of strong fiscal responsibility.

Format

Each project in the CIP is explained on a CIP Project Request Form, which categorizes the project belonging to a department and itemizes anticipated project costs along with a recommended funding schedule. When known or recognized, estimates of annual operating costs for projects are also presented. On the CIP Project Request Form, the requesting department provides a narrative description of the project along with marking any of the provided justification terms and phrases that pertain to the project.

The justifications terms are described below:

Justification Terms	**Justification Description**
1. Mandated	Project is clearly and specifically required by a federal or state mandate or court ruling.
2. Remove hazards	Makes possible the removal of an obvious or potential hazard to public health or safety.
3. Maintains existing service	Allows an existing standard of service to be maintained, where decreases in services would otherwise have been necessary.
4. Increased efficiency	Reduces operating costs.
5. Increased revenues	Makes possible a net gain in revenues available to the City.
6. Improves existing service	Makes possible an expansion or increase of an existing service or an improvement in the standard of an existing service.
7. New service	Makes possible the provision of a new service.
8. Convenience	Increases convenience or comfort.
9. Other	(Describe).

All capital projects were reviewed by the CIP Committee (City Manager, Deputy City Manager, Assistant to the City Manager, Director of Finance, and Director of Community Development) in conjunction with department heads. Each project was assigned one of five priority codes, shown under the Project Code on the CIP Project Request Form. The priority codes are described as follows:

Priority Code	**Description**
1	Absolutely required.
2	Highly desirable, affects efficiency and effectiveness.
3	Desirable.
4	Marginally beneficial.
5	Not justified.

Only projects rated by the CIP Committee at “3” or higher are included in the recommended CIP. Projects rated “1” and “2” are summarized separately to reflect the projects that will be given the

highest budget priority. Also, based on the five-year projection of estimated revenues and expenditures contained in the appendices, estimates of funds available for capital projects are located in the row titled "Cash/Funds Available for Capital" within the summary page for each major fund. The City will have a tough time funding all the number 1 and 2 projects given the current revenue stream.

Lastly, the CIP Project Request Form includes a section titled Goals/Objectives, which includes one or more listed goals or objectives from the City's Comprehensive Plan. Identifying how a project supports the goals and objectives of the Comprehensive Plan demonstrates the City's commitment to its Mission statement and to its goals.

Appendices

Following the presentation of the various capital projects by fund are separate appendices for the General Fund, Water Fund, Sewer Fund, School Transportation Fund, Public Transportation Fund, Sanitation Fund, and Stormwater Fund. Each appendix carefully tracks the history of these funds regarding past revenue levels and past expenditure levels. This history, along with obligated debt service requirements, is the basis for a five-year projection for each fund of new capital financing potential. There are many variables that could significantly increase or decrease the available funding. These projections are in the range of what can be reasonably expected and should be compared with the level of funding required to implement the recommended CIP.

Schedule

It is proposed that Planning Commission review the CIP in March 2020, when, if necessary, department heads will be available to answer questions. Planning Commission will develop its recommendation to City Council. City Council will receive Planning Commission's recommendation at a public hearing in April 2020. Final adoption is scheduled for April 2020.

CITY OF HARRISONBURG

Capital Improvment Program

Priority 1& 2 Projects

General Fund Summary

FY 2021 through FY 2025

Department Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
Information Technology									
Storage System Replacement	1	2	$ -	$ -	$ 130,000	$ -	$ -	$ 130,000	$ 130,000
Training Management Software	2	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 100,000
Network Replacement	3	2	$ 80,000	$ -	$ -	$ -	$ -	$ 80,000	
CAMS Phase IV	4	2	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000	
Server Replacement	5	2	$ -	$ 60,000	$ -	$ -	$ 60,000	$ 120,000	$ 60,000
Citizen Inquiry Application	6	2	$ -	$ -	$ -	$ 250,000	$ -	$ 250,000	
Document Management System	7	2	$ -	$ -	$ -	$ 500,000	$ -	$ 500,000	
Department Total			**$ 130,000**	**$ 60,000**	**$ 130,000**	**$ 750,000**	**$ 60,000**	**$ 1,130,000**	**$ 290,000**
Police Department									
Department Total			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Fire Department									
Fire Engine 23 Replacement	11	2	$ -	$ -	$ 640,000	$ -	$ -	$ 640,000	
Fire Engine 28 Replacement	12	2	$ -	$ -	$ -	$ -	$ 680,000	$ 680,000	
Tower Replacement	13	2	$ -	$ 1,270,000	$ -	$ -	$ -	$ 1,270,000	
Department Total			**$ -**	**$ 1,270,000**	**$ 640,000**	**$ -**	**$ 680,000**	**$ 2,590,000**	

Department Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
Emergency Communications Center									
Construct New ECC	14	2	$ -	$ 650,000	$ 8,950,000	$ -	$ -	$ 9,600,000	
9-1-1 System Replacement	15	1	$ 400,000	$ -	$ -	$ -	$ -	$ 400,000	
Replace Microwave Radio System	16	2	$ 1,250,000	$ 1,250,000	$ -	$ -	$ -	$ 2,500,000	
Department Total			**$ 1,650,000**	**$ 1,900,000**	**$ 8,950,000**	**$ -**	**$ -**	**$ 12,500,000**	
General Properties									
Renovation of Old Municipal Building	17	2	$ 2,500,000	$ 2,500,000	$ -	$ -	$ -	$ 5,000,000	
Department Total			**$ 2,500,000**	**$ 2,500,000**	**$ -**	**$ -**	**$ -**	**$ 5,000,000**	
Public Works									
Country Club Road (2) Bridges	19	2	$ -	$ -	$ 400,000	$ 300,000	$ -	$ 700,000	$ 3,700,000
Water Street Bridge	20	2	$ -	$ 500,000	$ 1,000,000	$ 2,000,000	$ -	$ 3,500,000	
Bridge Preventative Maintenance Program	21	1	$ 140,000	$ 155,000	$ 155,000	$ 170,000	$ 170,000	$ 790,000	
MLK Jr. Way Bridge Rehab	22	2	$ 381,000	$ -	$ -	$ -	$ -	$ 381,000	
Annual Curb & Gutter and Sidewalk Replacement	23	2	$ 235,000	$ 240,000	$ 245,000	$ 245,000	$ 250,000	$ 1,215,000	
Annual Street Paving Program	24	2	$ 1,900,000	$ 2,000,000	$ 2,000,000	$ 2,100,000	$ 2,100,000	$ 10,100,000	
Traffic Management Equipment Program	34	2	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000	
Traffic Detection Cameras (Grid Smart)	36	2	$ 139,000	$ 170,000	$ 156,000	$ 170,000	$ 122,000	$ 757,000	
Traffic Signal Pole Anchor Bolts UT Inspection	37	2	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 50,000	$ 250,000	
South Main Street	44	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,950,000
Chicago Avenue/Mt. Clinton Pike/Park Road Roundabout	45	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 11,512,433
Chicago Avenue Improvements	46	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,250,000
Carlton Street Improvement	49	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,100,000
Bluestone Trail	50	2	$ -	$ -	$ 500,000	$ 4,500,000	$ -	$ 5,000,000	

Public Works Continued	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
University BLVD & Evelyn Byrd Sidewalk	52	2	$ -	$ -	$ -	$ 250,000	$ -	$ 250,000	$ 2,459,765
Erickson/Garbers Intersection Improvements	53	2	$ 25,000	$ 342,000	$ -	$ -	$ -	$ 367,000	
Martin Luther King Jr. Way Widening	54	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,425,000
East Market Street - Safety Improvement Program	55	2	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000	
Neff Avenue Improvements	56	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,400,000
Virginia Avenue - Gay Street to 5th Street	58	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,000,000
Linda Lane Widening	59	2	$ -	$ -	$ -	$ 300,000	$ -	$ 300,000	$ 2,500,000
Smithland Road	60	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,500,000
Northend Greenway	62	2	$ 380,000	$ -	$ -	$ -	$ -	$ 380,000	$ 1,300,000
North Main Street Sidewalk	63	2	$ 703,387	$ -	$ -	$ -	$ -	$ 703,387	
Reservoir Street Sidewalk	64	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,125,000
University BLVD Relocation	66	2	$ 1,175,000	$ 7,965,000	$ -	$ -	$ -	$ 9,140,000	
S Main/Kaylor/Boxwood Improvements (HHS2)	67	2	$ 6,043,755	$ -	$ -	$ -	$ -	$ 6,043,755	
Port Republic Rd. - Bluestone and Forest Hill Intersections	68	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,275,000
Port Republic Rd. - Devon Lane and Bradley Dr Intersections	69	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,200,000
Port Republic Rd. - Main St. to Hillside Ave.	70	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,000,000
Erickson/Pear St. Intersection Improvements	71	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 905,000
Department Total			**$ 11,272,142**	**$ 11,472,000**	**$ 4,556,000**	**$ 10,135,000**	**$ 2,742,000**	**$ 40,177,142**	**$ 61,602,198**
Parks and Recreation									
Purcell Park Playground Improvement Program	72	2	$ 300,000	$ -	$ -	$ -	$ -	$ 300,000	
Heritage Oaks - Bridge Replacements	74	2	$ 300,000	$ -	$ -	$ -	$ -	$ 300,000	
Riven Rock Restrooms	76	2	$ -	$ 97,800	$ -	$ -	$ -	$ 97,800	
Department Total			**$ 600,000**	**$ 97,800**	**$ -**	**$ -**	**$ -**	**$ 697,800**	

Parking Services	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	Total	Beyond
Elizabeth Street Deck	81	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,500,000
Downtown Parking Deck	82	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,500,000
Department Total			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 16,000,000**
TOTAL GENERAL FUND			**$ 16,152,142**	**$ 17,299,800**	**$ 14,276,000**	**$ 10,885,000**	**$ 3,482,000**	**$ 62,094,942**	**$ 77,892,198**
Potential Other Funding, Excluding Bond Funds, Not Included in Available Revenues			**$ (2,503,387)**	**$ (9,740,000)**	**$ (6,000,000)**	**$ (4,950,000)**	**$ -**	**$ (23,193,387)**	**$ (45,766,818)**
Anticipated Bond Funds			**$ (2,500,000)**	**$ (2,500,000)**	**$ (4,400,000)**	**$ -**	**$ -**	**$ (9,400,000)**	**$ (27,250,000)**
TOTAL NEEDED FROM GENERAL FUND (EXCLUDING SCHOOLS)			**$ 11,148,755**	**$ 5,059,800**	**$ 3,876,000**	**$ 5,935,000**	**$ 3,482,000**	**$ 29,501,555**	**$ 4,875,380**
TOTAL AVAILABLE FROM GENERAL FUND			**$ 6,208,800**	**$ 4,958,900**	**$ 3,568,600**	**$ 2,388,400**	**$ 1,673,400**	**$ 18,798,100**	

CITY OF HARRISONBURG

Capital Improvement Program

Priority 1 & 2 Projects

School Fund

FY 2021 through FY 2025

School Fund Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
Upgrade HVAC Controls Stone Spring ES	83	2	$ -	$ -	$ -	$ 53,000	$ -	$ 53,000	
Storefront Door Replacement at SMES/SKMS	84	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 102,000
Chiller Replacement at HHS	85	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 300,000
Renovation/Remodel of THMS	86	2	$ -	$ -	$ -	$ -	$ 2,500,000	$ 2,500,000	$ 2,500,000
Boiler Replacement at SSES	87	2	$ -	$ 75,000	$ -	$ -	$ -	$ 75,000	
Air Handler Replacement at SES/WES/KES	88	2	$ -	$ -	$ -	$ 685,000	$ -	$ 685,000	
Chiller Replacement at Stone Spring Elementary School	89	2	$ -	$ 185,000	$ -	$ -	$ -	$ 185,000	
Replace Roof Sections at THMS	90	2	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000	
Resurface THMS Parking Lot and Road	91	2	$ -	$ -	$ -	$ 91,000	$ -	$ 91,000	
Purchase Land for 7th Elementary School	92	2	$ -	$ -	$ -	$ 2,500,000	$ -	$ 2,500,000	
Tennis Court Replacement at HHS	93	2	$ -	$ -	$ -	$ 350,000	$ -	$ 350,000	
Roof Replacement Repairs at SES/WES	94	2	$ -	$ -	$ -	$ -	$ 200,000	$ 200,000	
Enhancements to Harrisonburg High School	95	2	$ -	$ 250,000	$ 250,000	$ -	$ -	$ 500,000	
TOTAL SCHOOL FUND			**$ 50,000**	**$ 510,000**	**$ 250,000**	**$ 3,679,000**	**$ 2,700,000**	**$ 7,189,000**	**$ 2,902,000**
ANTICIPATED BOND FUNDS			**$ -**	**$ -**	**$ -**	**$ (2,500,000)**	**$ (2,500,000)**	**$ (5,000,000)**	**$ (2,500,000)**
TOTAL NEEDED FROM SCHOOL FUND			**$ 50,000**	**$ 510,000**	**$ 250,000**	**$ 1,179,000**	**$ 200,000**	**$ 2,189,000**	**$ 402,000**

CITY OF HARRISONBURG

Capital Improvment Program
Priority 1 and 2 Projects
Water Fund
FY 2021 through FY 2025

Water Fund Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
Western Raw Waterline	96	2	$ 66,155	$ 66,155	$ 66,155	$ 66,155	$ 10,259,930	$ 10,524,550	$ 8,910,324
Eastern Source Development	98	2	$ 10,092,194	$ 10,092,195	$ -	$ -	$ -	$ 20,184,389	
Rural Potable Projects	100	2	$ 255,000	$ 250,000	$ 250,000	$ 250,000	$ 250,000	$ 1,255,000	$ 7,847,645
Management of Transmission & Distribution: Assets	102	2	$ 752,977	$ 500,000	$ 500,000	$ 500,000	$ 500,000	$ 2,752,977	$ 33,527,753
Management of Pumping, Storage & Transfer Assets	104	2	$ 161,078	$ 161,078	$ 161,078	$ 161,078	$ 161,078	$ 805,390	$ 2,416,167
Management of Metering System	106	2	$ 351,178	$ 351,178	$ 351,178	$ 351,178	$ 351,178	$ 1,755,890	$ 2,349,004
Management of Water Treatment Assets	108	2	$ 77,341	$ 77,341	$ 77,341	$ 77,341	$ 77,341	$ 386,705	$ 1,160,112
Facilities	110	2	$ 145,026	$ -	$ -	$ -	$ -	$ 145,026	$ 76,895.00
TOTAL WATER FUND			**$ 11,900,949**	**$ 11,497,947**	**$ 1,405,752**	**$ 1,405,752**	**$ 11,599,527**	**$ 37,809,927**	**$ 56,287,900**
Contribution to General Fund IT Projects			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
Potential Other Funding, Excluding Bond Funds, Not Included in Available Revenues			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
Anticipated Bond Funds Not Included in Available Revenues			**$ -**	**$ -**	**$ -**	**$ -**	**$ (10,228,775)**	**$ (10,228,775)**	**$ (8,443,000)**
TOTAL NEEDED FROM WATER FUND			**$ 11,900,949**	**$ 11,497,947**	**$ 1,405,752**	**$ 1,405,752**	**$ 1,370,752**	**$ 27,581,152**	**$ 47,844,900**
TOTAL AVAILABLE FROM WATER FUND			**$ 3,153,700**	**$ 3,205,900**	**$ 3,259,200**	**$ 3,307,300**	**$ 3,365,200**	**$ 16,291,300**	

CITY OF HARRISONBURG

Capital Improvement Program

Priority 1 & 2 Projects
Sewer Fund
FY 2021 through FY 2025

Sewer Fund Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
Blacks Run Interceptor Upgrade Program	112	2	$ 374,372	$ 374,372	$ 374,372	$ 374,372	$ 374,372	$ 1,871,860	$ 5,615,585
Management of Collection & Transmission Assets	114	2	$ 600,000	$ 700,000	$ 800,000	$ 900,000	$ 1,000,000	$ 4,000,000	$ 28,183,662
Management of Transfer & Monitoring Assets	116	2	$ 164,788	$ 57,410	$ 57,410	$ 57,410	$ 57,410	$ 394,428	$ 861,157
Facilities	118	2	$ 185,105	$ 6,763	$ 6,763	$ 6,763	$ 6,763	$ 212,157	$ 101,447
TOTAL SEWER FUND			**$ 1,324,265**	**$ 1,138,545**	**$ 1,238,545**	**$ 1,338,545**	**$ 1,438,545**	**$ 6,478,445**	**$ 34,761,851**
Contribution to General Fund IT Projects			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Potential Other Funding, Not Included in Available Revenues			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Anticipated Bond Funds Not Included in Available Revenues			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
TOTAL NEEDED FROM SEWER FUND			**$ 1,324,265**	**$ 1,138,545**	**$ 1,238,545**	**$ 1,338,545**	**$ 1,438,545**	**$ 6,478,445**	**$ 34,761,851**
TOTAL AVAILABLE FROM SEWER FUND			**$ 1,413,000**	**$ 1,446,300**	**$ 1,490,300**	**$ 1,520,800**	**$ 1,549,900**	**$ 7,420,300**	

CITY OF HARRISONBURG

Capital Improvement Program

Priority 1 & 2 Projects

School Transportation Fund

FY 2021 through FY 2025

School Transportation Fund Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
School Buses	120	2	$ 525,000	$ 525,000	$ 450,000	$ 450,000	$ 475,000	$ 2,425,000	$ -
School Bus IT	121	2	$ 195,000	$ -	$ -	$ -	$ -	$ 195,000	
TOTAL SCHOOL TRANSPORTATION FUND			**$ 720,000**	**$ 525,000**	**$ 450,000**	**$ 450,000**	**$ 475,000**	**$ 2,620,000**	**$ -**
TOTAL AVAILABLE FROM SCHOOL TRANSPORTATION FUND			**$ 285,800**	**$ 278,100**	**$ 269,800**	**$ 261,100**	**$ 251,700**	**$ 1,346,500**	**$ -**

CITY OF HARRISONBURG

Capital Improvement Program

Priority 1 & 2 Projects

Public Transportation Fund

FY 2021 through 2025

Public Transportation Fund Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
Transit Buses	122	2	$ 1,790,000	$ 5,000,000	$ 3,500,000	$ 240,000	$ -	$ 10,530,000	$ -
Transit IT	123	2	$ 450,000	$ -	$ -	$ -	$ -	$ 450,000	
TOTAL PUBLIC TRANSPORTATION FUND			**$ 2,240,000**	**$ 5,000,000**	**$ 3,500,000**	**$ 240,000**	**$ -**	**$ 10,980,000**	**$ -**
Potential Other Funding Not Included in Available Revenues			**$ (2,150,400)**	**$ (4,800,000)**	**$ (3,360,000)**	**$ (230,400)**	**$ -**	**$ (10,540,800)**	**$ -**
TOTAL NEEDED FROM PUBLIC TRANSPORTATION FUND			**$ 89,600**	**$ 200,000**	**$ 140,000**	**$ 9,600**	**$ -**	**$ 439,200**	**$ -**
TOTAL AVAILABLE FROM PUBLIC TRANSPORTATION FUND			**$ (124,400)**	**$ (207,100)**	**$ (293,200)**	**$ (382,800)**	**$ (476,100)**	**$ (1,483,600)**	**$ -**

CITY OF HARRISONBURG

Capital Improvment Program
Priority 1 & 2 Projects
Sanitation Fund
FY 2021 through FY 2025

Sanitation Fund Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
City Landfill Closure & Monitoring	124	1	$ 115,000	$ 120,000	$ 125,000	$ 130,000	$ 130,000	$ 620,000	$ 1,533,600
Pay As You Throw Conversion	125	2	$ 250,000	$ -	$ -	$ -	$ -	$ 250,000	
TOTAL SANITATION FUND			**$ 365,000**	**$ 120,000**	**$ 125,000**	**$ 130,000**	**$ 130,000**	**$ 870,000**	**$ 1,533,600**
TOTAL NEEDED FROM SANITATION FUND			**$ 365,000**	**$ 120,000**	**$ 125,000**	**$ 130,000**	**$ 130,000**	**$ 870,000**	**$ 1,533,600**
TOTAL AVAILABLE FROM SANITATION FUND			**$ (128,200)**	**$ (205,900)**	**$ (287,200)**	**$ (372,400)**	**$ (462,300)**	**$ (1,456,000)**	

CITY OF HARRISONBURG

Capital Improvement Program

Priority 1 & 2 Projects

Stormwater Fund

FY 2021 through FY 2025

Stormwater Fund Project Title	Page #	Project Priority	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL	Beyond
Northend Greenway Stream Restoration	126	2	$ 327,611	$ -	$ 327,611	$ 327,611	$ 327,611	$ 1,310,444	$ 657,169
Thomas Harrison Middle School Retrofit	127	2	$ -	$ 456,290	$ -	$ -	$ -	$ 456,290	
VMRC Extended Detention Pond	128	2	$ 10,000	$ 637,500	$ -	$ -	$ -	$ 647,500	
Temporary Credit Purchases	129	2	$ -	$ -	$ 90,000	$ 90,000	$ 90,000	$ 270,000	$ 90,000
Permanent Credit Purchases	130	2	$ 177,500	$ 177,500	$ 266,250	$ 266,250	$ 284,000	$ 1,171,500	
East Market Street Regenerative Stormwater Conveyance	131	2	$ -	$ 856,500	$ -	$ -	$ -	$ 856,500	
Waterman Drive Drainage and Water Quality Improvement	132	2	$ -	$ 114,500	$ -	$ -	$ -	$ 114,500	$ 4,025,550
Eastern Mennonite University SWM Facilities	133	2	$ -	$ 180,000	$ -	$ -	$ -	$ 180,000	$ 1,000,000
Drainage Improvement Program	134	2	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 500,000	
SWM Equipment Replacement	135	2	$ -	$ -	$ -	$ 250,000	$ -	$ 250,000	
TOTAL STORMWATER FUND			**$ 615,111**	**$ 2,522,290**	**$ 783,861**	**$ 1,033,861**	**$ 801,611**	**$ 5,756,734**	**$ 5,772,719**
Potential Other Funding, Excluding Bond Funds, Not Included in Available Revenues			**$ (5,000)**	**$ (747,000)**	**$ -**	**$ -**	**$ -**	**$ (752,000)**	
TOTAL NEEDED FROM STORMWATER FUND			**$ 610,111**	**$ 1,775,290**	**$ 783,861**	**$ 1,033,861**	**$ 801,611**	**$ 5,004,734**	
TOTAL AVAILABLE FROM STORMWATER FUND			**$ 694,900**	**$ 778,000**	**$ 760,500**	**$ 742,300**	**$ 723,700**	**$ 3,699,400**	

CITY OF HARRISONBURG

5 Year Capital Improvement Request by Fund
Priority 1 and 2 Projects by Fund
FY 2021 through FY 2025

FUND	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL
General Fund	$ 16,152,142	$ 17,299,800	$ 14,276,000	$ 10,885,000	$ 3,482,000	$ 62,094,942
School Fund	$ 50,000	$ 510,000	$ 250,000	$ 3,679,000	$ 2,700,000	$ 7,189,000
Water	$ 11,900,949	$ 11,497,947	$ 1,405,752	$ 1,405,752	$ 11,599,527	$ 37,809,927
Sewer	$ 1,324,265	$ 1,138,545	$ 1,238,545	$ 1,338,545	$ 1,438,545	$ 6,478,445
School Transportation	$ 720,000	$ 525,000	$ 450,000	$ 450,000	$ 475,000	$ 2,620,000
Public Transportation	$ 2,240,000	$ 5,000,000	$ 3,500,000	$ 240,000	$ -	$ 10,980,000
Sanitation Fund	$ 365,000	$ 120,000	$ 125,000	$ 130,000	$ 130,000	$ 870,000
Stormwater Fund	$ 615,111	$ 2,522,290	$ 783,861	$ 1,033,861	$ 801,611	$ 5,756,734
Subtotal	**$ 33,367,467**	**$ 38,613,582**	**$ 22,029,158**	**$ 19,162,158**	**$ 20,626,683**	**$ 133,799,048**
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	$ (7,158,787)	$ (17,787,000)	$ (13,760,000)	$ (7,680,400)	$ (12,728,775)	$ (59,114,962)
TOTAL NEEDED BY ALL FUNDS	**$ 26,208,680**	**$ 20,826,582**	**$ 8,269,158**	**$ 11,481,758**	**$ 7,897,908**	**$ 74,684,086**
TOTAL AVAILABLE FROM ALL FUNDS	**$ 10,742,800**	**$ 9,633,900**	**$ 8,185,200**	**$ 6,917,900**	**$ 6,264,600**	**$ 41,744,400**

CITY OF HARRISONBURG

5 Year Capital Improvement Request by Department

FY 2021 through FY 2025

DEPARTMENT	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL
Information Technology	$ 130,000	$ 60,000	$ 130,000	$ 750,000	$ 60,000	$ 1,130,000
Police	$ -	$ -	$ -	$ -	$ -	$ -
Fire	$ 200,000	$ 4,140,000	$ 640,000	$ -	$ 680,000	$ 5,660,000
Emergency Communications Center	$ 1,650,000	$ 1,900,000	$ 8,950,000	$ -	$ -	$ 12,500,000
General Properties	$ 3,500,000	$ 2,500,000	$ -	$ -	$ -	$ 6,000,000
Public Works	$ 11,872,142	$ 12,547,000	$ 9,556,000	$ 10,660,000	$ 2,742,000	$ 47,377,142
Parks and Recreation	$ 730,000	$ 172,800	$ 100,000	$ -	$ 50,000	$ 1,052,800
Parking Services	$ -	$ -	$ -	$ -	$ -	$ -
Schools	$ 50,000	$ 510,000	$ 250,000	$ 3,679,000	$ 2,700,000	$ 7,189,000
Water	$ 11,900,949	$ 11,497,947	$ 1,405,752	$ 1,405,752	$ 11,599,527	$ 37,809,927
Sewer	$ 1,324,265	$ 1,138,545	$ 1,238,545	$ 1,338,545	$ 1,438,545	$ 6,478,445
Transportation (School and Transit)	$ 2,960,000	$ 5,525,000	$ 3,950,000	$ 690,000	$ 475,000	$ 13,600,000
Sanitation	$ 365,000	$ 120,000	$ 125,000	$ 130,000	$ 130,000	$ 870,000
Stormwater	$ 615,111	$ 2,522,290	$ 783,861	$ 1,033,861	$ 801,611	$ 5,756,734
Subtotal	**$ 35,297,467**	**$ 42,633,582**	**$ 27,129,158**	**$ 19,687,158**	**$ 20,676,683**	**$ 145,424,048**
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	$ (7,858,787)	$ (18,287,000)	$ (18,660,000)	$ (7,680,400)	$ (12,728,775)	$ (65,214,962)
TOTAL NEEDED BY ALL DEPTS.	**$ 27,438,680**	**$ 24,346,582**	**$ 8,469,158**	**$ 12,006,758**	**$ 7,947,908**	**$ 80,209,086**
TOTAL AVAILABLE FROM ALL FUNDS	**$ 10,742,800**	**$ 9,633,900**	**$ 8,185,200**	**$ 6,917,900**	**$ 6,264,600**	**$ 41,744,400**

CITY OF HARRISONBURG

5 Year Capital Improvement Request by Fund

FY 2021 through FY 2025

FUND	FY 2020-2021	FY 2021-2022	FY 2022-2023	FY 2023-2024	FY 2024-2025	TOTAL
General Fund	$ 18,082,142	$ 21,319,800	$ 19,376,000	$ 11,410,000	$ 3,532,000	$ 73,719,942
Schools	$ 50,000	$ 510,000	$ 250,000	$ 3,679,000	$ 2,700,000	$ 7,189,000
Water	$ 11,900,949	$ 11,497,947	$ 1,405,752	$ 1,405,752	$ 11,599,527	$ 37,809,927
Sewer	$ 1,324,265	$ 1,138,545	$ 1,238,545	$ 1,338,545	$ 1,438,545	$ 6,478,445
School Transportation	$ 720,000	$ 525,000	$ 450,000	$ 450,000	$ 475,000	$ 2,620,000
Public Transportation	$ 2,240,000	$ 5,000,000	$ 3,500,000	$ 240,000	$ -	$ 10,980,000
Sanitation	$ 365,000	$ 120,000	$ 125,000	$ 130,000	$ 130,000	$ 870,000
Stormwater	$ 615,111	$ 2,522,290	$ 783,861	$ 1,033,861	$ 801,611	$ 5,756,734
Subtotal	**$ 35,297,467**	**$ 42,633,582**	**$ 27,129,158**	**$ 19,687,158**	**$ 20,676,683**	**$ 145,424,048**
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	$ (7,858,787)	$ (18,287,000)	$ (18,660,000)	$ (7,680,400)	$ (12,728,775)	$ (65,214,962)
TOTAL NEEDED BY ALL FUNDS	**$ 27,438,680**	**$ 24,346,582**	**$ 8,469,158**	**$ 12,006,758**	**$ 7,947,908**	**$ 80,209,086**
TOTAL AVAILABLE FROM ALL FUNDS	**$ 10,742,800**	**$ 9,633,900**	**$ 8,185,200**	**$ 6,917,900**	**$ 6,264,600**	**$ 41,744,400**

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Storage System Replacement
Project Code: IT-NSP02
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** FY2023
Department: 122011 **Status:** Active **Completion Date (FYE):** FY2023

Description:

Replace the current storage device with another enterprise storage device. Move the current device to DR/BC (Disaster Recovery Business Continuity) status. Decommission the DR/BC storage device.

Explanation:

Most storage systems have a useful support life of 6-7 years. With this in mind and to spread the cost over several years, the department has implemented a 3 year replacement cycle for storage equipment. This means that the current unit will be within 3 years of the latest technology, and the backup unit will still be in support during its useful lifespan. This also allows for adjustments in capacity requirements.

Alternative:

Purchase servers at end of life or when near capacity. Buying in this manner would cause emergency purchases, and increase the risk of data loss due to hardware failure.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$130,000			$130,000	$260,000
Other Expenses								$0
Total	$0	$0	$0	$130,000	$0	$0	$130,000	$260,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue				$130,000			$130,000	$260,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$130,000	$0	$0	$130,000	$260,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating					$20,000	$20,000	$20,000	$60,000
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$20,000	$20,000	$20,000	$60,000

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Training Management Software
Project Code: IT-SP006
Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 122011 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Develop a system for tracking and reporting employee training, licenses, and certifications. The goals will be to centralize the administration of training records, reduce the paper based tracking and maintenance, allow at-a-glance listing of all completed training, and proactive notifications for expiring certifications and licenses.

Explanation:

The City utilizes several different manual processes for tracking the training history and requirements for employees in different departments. There is a need for a standardized platform that can be utilized by all departments to satisfy their needs and any state mandated training. The process will include: developing policies and procedures regarding employee training, evaluating current software for suitability, and then either purchasing modifications or a new software package that can handle the diverse needs of the enterprise.

Alternative:

Continue to have departments maintain their own records in Excel/Access/paper.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
x-Convenience
Other

Goals and Objectives

O 4.5
O 15.2
O 16.3

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses							$100,000	$100,000
Total	$0	$0	$0	$0	$0	$0	$100,000	$100,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$100,000	$100,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$100,000	$100,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating							$20,000	$20,000
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$20,000	$20,000

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Network Replacement
Project Code: IT-NSP05
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2021
Department: 122011 **Status:** Active **Completion Date (FYE):** 2021

Description:

Replace core network switches

Explanation:

The current switches went end of life 12/31/2015. HPE will no longer support them after 12/31/2020. These switches run the entire network and redundancy for the enterprise.

Alternative:

Do not replace them until they break. This will cause loss of productivity for an extended period.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 14

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$80,000						$80,000
Other Expenses								$0
Total	$0	$80,000	$0	$0	$0	$0	$0	$80,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$80,000						$80,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$80,000	$0	$0	$0	$0	$0	$80,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating			$10,000	$10,000	$10,000	$10,000	$10,000	$50,000
Capital								$0
Offsets								$0
Total	$0	$0	$10,000	$10,000	$10,000	$10,000	$10,000	$50,000

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: CAMS Phase IV
Project Code: IT-NSP03
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2021
Department: 122011 **Status:** Active **Completion Date (FYE):** 2021

Description:

Continue development of Asset management software to include Parks and Recreation department.

Explanation:

This would expand the current City Works software to include asset management and service requests for the Parks and Recreation Department. The department is currently using Facility Dude to help them get accustomed to utilizing a work order system, but the plan is to eventually utilize CityWorks as an enterprise citizen inquiry and work order system.

Alternative:

Continue with Facility Dude, but lose any enterprise level management of the system.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

O 12.4

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses		$50,000						$50,000
Total	$0	$50,000	$0	$0	$0	$0	$0	$50,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$50,000						$50,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$0	$0	$0	$0	$0	$50,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Server Replacement
Project Code: IT-NSP04
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2022
Department: 122011 **Status:** Active **Completion Date (FYE):** Ongoing

Description:

Replace half of the active VMware Servers with new machines every three years.

Explanation:

A PC Server life cycle lasts 5-7 years. With this in mind, the department has adopted a policy to replace half the server hardware every 3 years to ensure we have machines that can keep up with the latest technology.

Alternative:

Replace all servers every 5-6 years when they go end of life. This could lead to data loss due to hardware failure, and an inability to run the latest software due to hardware limitations.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 14

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$60,000			$60,000	$60,000	$180,000
Other Expenses								$0
Total	$0	$0	$60,000	$0	$0	$60,000	$60,000	$180,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$60,000			$60,000	$60,000	$180,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$60,000	$0	$0	$60,000	$60,000	$180,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Citizen Inquiry Application
Project Code: IT-SP012
Project Priority: Priority 3 **Project Type:** ADDITION & RENOVATION **Start Date (FYE):** 2024
Department: 122011 **Status:** Active **Completion Date (FYE):** 2024

Description:

Create an enterprise wide system for tracking Citizen inquiries and requests.

Explanation:

Currently, requests are channeled to the proper department, but requests requiring multiple departments must be managed manually. There is also no oversight or tracking, so if management at departmental or City level wishes to get an update on an issue, it could possibly take considerable time and resources to find the answer.

Alternative:

Continue to manually track citizen inquiries separately in each department.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
x-Convenience
Other

Goals and Objectives

O 1.3
G 2
G 3
O 4.1
O 5.1
O 5.3
O 18.4

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment					$250,000			$250,000
Other Expenses								$0
Total	$0	$0	$0	$0	$250,000	$0	$0	$250,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue					$250,000			$250,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$250,000	$0	$0	$250,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating						$37,500	$37,500	$75,000
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$37,500	$37,500	$75,000

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Document Management System
Project Code: IT-SP008
Project Priority: Priority 3 **Project Type:** ADDITION **Start Date (FYE):** 2024
Department: 122011 **Status:** Active **Completion Date (FYE):** 2024

Description:

Create an enterprise-wide document management system. This system will reduce the abundance of paper-based systems, increase efficiency of staff, increase document security, improve compliance with state and federal regulations.

Explanation:

The City has acknowledged the need for a document management system. Several departments have started filing documents on network resources in anticipation of such a system, but many still have file folders full of paper documents that require manual intervention and little security. The new system will address the physical storage, manual retrieval process and security requirements for documents in the enterprise.

Alternative:

Continue to utilize manual processes in an inefficient manner. Research other methods of securing sensitive documents in the enterprise.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
x-Convenience
Other

Goals and Objectives

O 11.7
G 14
O 14.4

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses					$500,000			$500,000
Total	$0	$0	$0	$0	$500,000	$0	$0	$500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue					$500,000			$500,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$500,000	$0	$0	$500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating					$75,000	$75,000	$75,000	$225,000
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$75,000	$75,000	$75,000	$225,000

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Firearms Range and Classroom Relocation
Project Code: PD1
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** Beyond
Department: 310231 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Expand HPD rifle range on the I-81 side of the Ramblewood property to replace the existing range and construction of a 1,000 square foot classroom to replace existing building.

Explanation:

As part of the Ramblewood Park redevelopment, it was determined that it was not optimal to have a firearms training facility on the same side of Blacks Run as bike and pedestrian paths, Frisbee golf, etc. It was decided that the area of the site on the interstate side of Blacks Run would be devoted to the PD training facility and firearms range and that the classroom would be constructed at that area, leaving the existing building to be used by Parks and Recreation. The rifle range and pistol range will have heightened and extended berms to optimize safety and reduce noise.

Alternative:

There is no workable alternative to this solution that would not compromise the issues of safety and noise abatement.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

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O 15.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$31,200	$31,200
Land								$0
Construction							$292,000	$292,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$323,200	$323,200

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$323,200	$323,200
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$323,200	$323,200

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: FIRE STATION 5 (PARK VIEW)
Project Code: FS5
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** 2021
Department: 320132 **Status:** Active **Completion Date (FYE):** 2022

Description:

New fire station for the Park View area, which will improve response times to this area. When this station is built, 12 additional personnel will have to be hired, and another fire engine will have to be purchased. Station is projected to be approximately 5,000 sq. ft.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Response times to this area are the longest of any in the city. The addition of this station will reduce response times, and provide better services to the residents of this area.

Alternative:

Relocate existing Fire Station 4 to an area which will continue to serve its existing area, as well as better serve the Park View area.

Goals and Objectives

O 15.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$200,000						$200,000
Land								$0
Construction			$2,250,000					$2,250,000
Equipment								$0
Other Expenses								$0
Total	$0	$200,000	$2,250,000	$0	$0	$0	$0	$2,450,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$200,000	$2,250,000					$2,450,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$200,000	$2,250,000	$0	$0	$0	$0	$2,450,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel			$777,066	$800,377	$824,389	$849,120	$874,594	$4,125,546
Operating			$15,202	$15,962	$16,761	$17,598	$18,478	$84,001
Capital								$0
Offsets								$0
Total	$0	$0	$792,268	$816,339	$841,150	$866,718	$893,072	$4,209,547

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: FIRE ENGINE - STATION 5
Project Code: FE5
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** 2022
Department: 320132 **Status:** Active **Completion Date (FYE):** 2022

Description:

Additional fire engine for Park View Station.

Explanation:

Provides better response times to that area of the City.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

O 15.2

Alternative:

Use existing reserve engine, if mechanically sound, until such time as it needs to be replaced.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$620,000					$620,000
Other Expenses								$0
Total	$0	$0	$620,000	$0	$0	$0	$0	$620,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$620,000					$620,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$620,000	$0	$0	$0	$0	$620,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating				$4,143	$4,350	$4,566	$4,796	$17,855
Capital								$0
Offsets								$0
Total	$0	$0	$0	$4,143	$4,350	$4,566	$4,796	$17,855

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: FIRE ENGINE 23 REPLACEMENT
Project Code: FER23
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2023
Department: 320132 **Status:** Active **Completion Date (FYE):** 2024

Description:

Replacement of Fire Engine 23.

Explanation:

Engine 23 will be 15 years old in 2023. This is the point we consider replacement based on condition and maintenance costs. The Fire Department coordinates with Central Garage to determine appropriate replacement time.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

O 15.2

Alternative:

Use existing reserve, if mechanically sound, until such time as it needs to be replaced.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$640,000				$640,000
Other Expenses								$0
Total	$0	$0	$0	$640,000	$0	$0	$0	$640,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue				$640,000				$640,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$640,000	$0	$0	$0	$640,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating					$4,350	$4,566	$4,796	$13,712
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$4,350	$4,566	$4,796	$13,712

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: FIRE ENGINE 28 REPLACEMENT
Project Code: FER28
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2025
Department: 320132 **Status:** Active **Completion Date (FYE):** 2026

Description:

Replacement of Fire Engine 28.

Explanation:

Engine 28 will be 15 years old in 2025. This is the point we consider replacement based on condition and maintenance costs. The Fire Department coordinates with Central Garage to determine appropriate replacement time.

Alternative:

Use existing reserve engine, if mechanically sound, until such time as it needs to be replaced.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

O 15.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment						$680,000		$680,000
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$680,000	$0	$680,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue						$680,000		$680,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$680,000	$0	$680,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: TOWER REPLACEMENT
Project Code: TOWR
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2022
Department: 320132 **Status:** Active **Completion Date (FYE):** 2023

Description:

Replacement of Tower apparatus.

Explanation:

Tower 2 (reserve apparatus) will be 25 years old in 2022. This is the point we consider replacement based on condition and maintenance costs. The Fire Department coordinates with Central Garage to determine appropriate replacement time. The current primary Tower (2013 model) would be moved to reserve status and the new Tower would become primary.

Alternative:

Continue to use existing reserve apparatus until it is no longer functional.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

O 15.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$1,270,000					$1,270,000
Other Expenses								$0
Total	$0	$0	$1,270,000	$0	$0	$0	$0	$1,270,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$1,270,000					$1,270,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$1,270,000	$0	$0	$0	$0	$1,270,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating				$4,350	$4,566	$4,795	$5,035	$18,746
Capital								$0
Offsets								$0
Total	$0	$0	$0	$4,350	$4,566	$4,795	$5,035	$18,746

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Construct New ECC
Project Code: HRECC2
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2022
Department: 321132 **Status:** Active **Completion Date (FYE):** 2023

Description:

Plan, construct and equip a new Emergency Communications Center Building.

Explanation:

The current facility was renovated in 2005 with a 10-15 year operational period. Operational, technical, and administrative areas are at maximum capacity with no growth space possible.

Alternative:

None.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 15
O 15.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning			$150,000	$150,000				$300,000
Land			$500,000					$500,000
Construction				$6,500,000				$6,500,000
Equipment				$2,300,000				$2,300,000
Other Expenses								$0
Total	$0	$0	$650,000	$8,950,000	$0	$0	$0	$9,600,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$325,000					$325,000
Enterprise Revenue								$0
Bond Proceeds				$4,400,000				$4,400,000
Grants				$150,000				$150,000
Capital Project Fund								$0
Other Revenue			$325,000	$4,400,000				$4,725,000
Total	$0	$0	$650,000	$8,950,000	$0	$0	$0	$9,600,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: 9-1-1 System Replacement
Project Code: HRECC1
Project Priority: Priority 1 **Project Type:** REPLACEMENT **Start Date (FYE):** 2020
Department: 321132 **Status:** Active **Completion Date (FYE):** 2021

Description:

Replacement/upgrade to Next Generation 9-1-1 system.

Explanation:

Planned replacement/upgrade to Next Generation 9-1-1 as part of the Commonwealth of Virginia statewide project.

Alternative:

None.

Justifications:

x-Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 15
O 15.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment	$350,000	$400,000						$750,000
Other Expenses								$0
Total	$350,000	$400,000	$0	$0	$0	$0	$0	$750,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$175,000	$75,000						$250,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants		$250,000						$250,000
Capital Project Fund								$0
Other Revenue	$175,000	$75,000						$250,000
Total	$350,000	$400,000	$0	$0	$0	$0	$0	$750,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Replace Microwave Radio System
Project Code: HRECC3
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2021
Department: 321132 **Status:** Active **Completion Date (FYE):** 2021

Description:

Replace the Microwave radio system that links 11 radio sites and the ECC across the City and County.

Explanation:

Replaces obsolete electronics and 22 dish antennas. Equipment was originally planned for replacement in FY2018 but alternative parts were found; prolonging lifespan.

Alternative:

Run and lease dual fiber optic cables to each site. Cost is approximately $55,000 per month.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 15
O 15.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$50,000	$50,000					$100,000
Land								$0
Construction		$100,000	$100,000					$200,000
Equipment		$1,000,000	$1,000,000					$2,000,000
Other Expenses		$100,000	$100,000					$200,000
Total	$0	$1,250,000	$1,250,000	$0	$0	$0	$0	$2,500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$625,000	$625,000					$1,250,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue		$625,000	$625,000					$1,250,000
Total	$0	$1,250,000	$1,250,000	$0	$0	$0	$0	$2,500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Renovation of Old Municipal Building
Project Code: MGR3
Project Priority: Priority 2 **Project Type:** RENOVATION **Start Date (FYE):** 2021
Department: 9101 **Status:** Active **Completion Date (FYE):** 2022

Description:

Renovation of building currently at 345 South Main Street.

Explanation:

This will provide renovations to the building for code compliance, energy efficiency, and additional work space for City office expansion. Operating impacts are estimates based on $4.50/sq. ft.

Alternative:

Maintain the building in its existing condition.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
x-Other

Goals and Objectives

G 10
O 10.3
G 14
O 18.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction	$570,000	$2,500,000	$2,500,000					$5,570,000
Equipment								$0
Other Expenses								$0
Total	$570,000	$2,500,000	$2,500,000	$0	$0	$0	$0	$5,570,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$570,000							$570,000
Enterprise Revenue								$0
Bond Proceeds		$2,500,000	$2,500,000					$5,000,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$570,000	$2,500,000	$2,500,000	$0	$0	$0	$0	$5,570,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating				$99,400	$101,400	$103,400	$105,500	$409,700
Capital								$0
Offsets								$0
Total	$0	$0	$0	$99,400	$101,400	$103,400	$105,500	$409,700

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Harrison House Renovations
Project Code: MGR4
Project Priority: Priority 3 **Project Type:** RENOVATION **Start Date (FYE):** 2015
Department: 9101 **Status:** Active **Completion Date (FYE):** 2021

Description:

Renovate the Thomas Harrison House.

Explanation:

Project includes research, archeological excavation, documentation and restoration of building, gardens, etc. to try to restore property as much as possible to "original" conditions.

Alternative:

Loss of significant historical property.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
x-Other

Goals and Objectives

G 10
O 10.3
O 18.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land	$565,000							$565,000
Construction		$1,000,000						$1,000,000
Equipment								$0
Other Expenses								$0
Total	$565,000	$1,000,000	$0	$0	$0	$0	$0	$1,565,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$565,000	$300,000						$865,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund		$200,000						$200,000
Other Revenue		$500,000						$500,000
Total	$565,000	$1,000,000	$0	$0	$0	$0	$0	$1,565,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating			$12,600	$12,900	$13,200		$13,500	$52,200
Capital								$0
Offsets								$0
Total	$0	$0	$12,600	$12,900	$13,200	$0	$13,500	$52,200

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Country Club Road (2) bridges (43372)
Project Code: PWSTBG03
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2023
Department: 410241 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Replace (2) two bridges over Sieberts Creek. The first structure is #6586 and is located at the Superior Concrete entrance off of Country Club Road, and is planned to start in FY23. The second is structure #6585 and is located near Spotswood Trailer Park on Country Club Road, and is planned for Beyond.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Improve the condition rating of the structure, and improve drainage concerns in the immediate area.

Alternative:

Bridge structure #6586 may be replaced prior to beyond, due to the potential development of the Quarry property. If that development occurs, PW will work with the developer to replace this structure. With the development occuring, PW would request participation in the structure replacement cost.

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning				$400,000			$500,000	$900,000
Land					$300,000		$200,000	$500,000
Construction							$3,000,000	$3,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$400,000	$300,000	$0	$3,700,000	$4,400,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue				$200,000	$150,000		$1,350,000	$1,700,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants				$200,000	$150,000		$1,850,000	$2,200,000
Capital Project Fund								$0
Other Revenue							$500,000	$500,000
Total	$0	$0	$0	$400,000	$300,000	$0	$3,700,000	$4,400,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Water Street Bridge
Project Code: PWSTBG09
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2022
Department: 410241 **Status:** Active **Completion Date (FYE):** 2024

Description:

Rebuild Water Street bridge over Norfolk Southern Railroad. Bridge owned by Norfolk Southern Railroad, cost of replacement would be the responsibility of Norfolk Southern Railroad.

Explanation:

Recommended by annual bridge inspection program. Funds by Railroad.
Bridge needed to provide emergency route east/west downtown with trains blocking grade crossings.

Alternative:

Reduce load rating on the structure and/or remove vehicle traffic from the structure.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning			$500,000					$500,000
Land				$1,000,000				$1,000,000
Construction					$2,000,000			$2,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$500,000	$1,000,000	$2,000,000	$0	$0	$3,500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue			$500,000	$1,000,000	$2,000,000			$3,500,000
Total	$0	$0	$500,000	$1,000,000	$2,000,000	$0	$0	$3,500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Bridge Preventive Maintenance Program (43372)
Project Code: PWSTBM
Project Priority: Priority 1 **Project Type:** RENOVATION **Start Date (FYE):** 2011
Department: 410241 **Status:** Active **Completion Date (FYE):** ongoing

Description:

Preventive maintenance of bridge structures. Bridges are identified on a yearly basis following the Annual Bridge Inspections.

Justifications:

x-Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Placing sealant on deck surface, repairing and sealing cracked concrete, painting as needed, repairing settled approach pavement and adjacent sidewalk repair. Preventive maintenance will extend bridge life approximately 25 years.

Alternative:

Delay preventive maintenance, which may result in more expensive repairs.

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$60,000	$65,000	$65,000	$70,000	$70,000		$330,000
Land								$0
Construction		$80,000	$90,000	$90,000	$100,000	$100,000		$460,000
Equipment								$0
Other Expenses								$0
Total	$0	$140,000	$155,000	$155,000	$170,000	$170,000	$0	$790,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$140,000	$155,000	$155,000	$170,000	$170,000		$790,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$140,000	$155,000	$155,000	$170,000	$170,000	$0	$790,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: MLK Jr Way Bridge Rehab
Project Code: PWSTBG10
Project Priority: Priority 2 **Project Type:** REPAIR **Start Date (FYE):** 2021
Department: 410241 **Status:** Active **Completion Date (FYE):** 2021

Description:

Following the most recent bridge inspection for this structure, it was determined that repair was needed for the substructure. Those repairs include anchor bolt replacement, bearing replacement, substructure concrete surface repair, and repainting of structural steel.

Justifications:

x-Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Explanation:

To increase the longevity of this bridge structure bi-annual bridge inspections are performed to make sure that cost-effective repairs can be made before a complete structure replacement being needed. The repairs included in this project will greatly extend the service life of this structure and prevent the need for a costly replacement in the near future.

Goals and Objectives

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Alternative:

Delay the repairs and possible lead to full structure replacement that would cost 10 to 15 times more, and poise significant traffic impacts during the construction.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$211,000							$211,000
Land								$0
Construction	$1,045,393	$381,000						$1,426,393
Equipment								$0
Other Expenses								$0
Total	$1,256,393	$381,000	$0	$0	$0	$0	$0	$1,637,393

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$1,256,393	$381,000						$1,637,393
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$1,256,393	$381,000	$0	$0	$0	$0	$0	$1,637,393

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Annual Curb & Gutter and Sidewalk Replacement
Project Code: PWSTCGSW
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** Ongoing
Department: 410241 **Status:** Active **Completion Date (FYE):** Ongoing

Description:

Replacement of curb & gutter and sidewalk segments throughout the City as determined by Public Works annual inspection process.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Segments of curb & gutter and sidewalk are evaluated on an annual basis by Public Works staff to determine if replacement is needed. Condition rating is based on both safety and structural condition of the curb & gutter and sidewalk segments.

Alternative:

None.

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction		$235,000	$240,000	$245,000	$245,000	$250,000		$1,215,000
Equipment								$0
Other Expenses								$0
Total	$0	$235,000	$240,000	$245,000	$245,000	$250,000	$0	$1,215,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$235,000	$240,000	$245,000	$245,000	$250,000		$1,215,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$235,000	$240,000	$245,000	$245,000	$250,000	$0	$1,215,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Annual Street Paving Program (43374, 43376)
Project Code: PWSTPA1
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** Ongoing
Department: 410241 **Status:** Active **Completion Date (FYE):** Ongoing

Description:

Repaving of existing streets--132 centerline miles of street currently in inventory.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
Improves service
New service
x-Convenience
Other

Explanation:

Resurfacing to provide renewal to street surface, expected life of surface 15 years. Streets are scheduled in accordance with annual street pavement management program. Location, traffic volume, pavement conditions, and use determine priority.

Alternative:

Use other types of surface seals, average life of plant mix overlay is 15 years. Seal coats usually last seven years maximum, however, they are less expensive.

Goals and Objectives

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O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction		$1,900,000	$2,000,000	$2,000,000	$2,100,000	$2,100,000		$10,100,000
Equipment								$0
Other Expenses								$0
Total	$0	$1,900,000	$2,000,000	$2,000,000	$2,100,000	$2,100,000	$0	$10,100,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$1,900,000	$2,000,000	$2,000,000	$2,100,000	$2,100,000		$10,100,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$1,900,000	$2,000,000	$2,000,000	$2,100,000	$2,100,000	$0	$10,100,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: KEEZLETOWN RD & COUNTRY CLUB RD NEW TRAFFIC SIGNAL
Project Code: PWTELN01
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Install New Traffic signal @ Intersection of Country Club Road & Keezletown Road.

Explanation:

Required due to increased traffic volumes as development occurs along the Keezletown/Smithland Road corridor. Install traffic light and consider future expansion of Country Club Road. Developers will cost-share this project based on impact determined by a TIA.

Alternative:

None without construction of new streets to route traffic around area.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

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O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land							$25,000	$25,000
Construction							$500,000	$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$525,000	$525,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: LIBERTY ST AND ACORN DR NEW TRAFFIC SIGNAL
Project Code: PWTELN02
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** 2024
Department: 410741 **Status:** Active **Completion Date (FYE):** 2024

Description:

North Liberty St. and Acorn Dr. Install a traffic signal with detection, and coordination.

Explanation:

Install a traffic signal when traffic warrants due to development in the area. It is anticipated that development would be required to cost-share the improvement.

Alternative:

Consider roundabout.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land					$25,000			$25,000
Construction					$500,000			$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$525,000	$0	$0	$525,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue					$525,000			$525,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$525,000	$0	$0	$525,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Virginia Ave. and Acorn Dr. New Traffic Signal
Project Code: PWTELN03
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Install new traffic signal at Virginia Ave. and Acorn Dr.

Explanation:

Install new traffic signal at Virginia Ave. and Acorn Dr. when development in the area warrants installation of signal. It is anticipated that developers will be required to cost-share this improvement.

Alternative:

None without construction of new streets to route traffic around area. Consider realigning w/VMRC entrance.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land							$25,000	$25,000
Construction							$500,000	$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$525,000	$525,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Stone Spring Rd. & Ramblewood Rd. New Traffic Signal
Project Code: PWTELN04
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** 2022
Department: 410741 **Status:** Active **Completion Date (FYE):** 2022

Description:

Install a traffic Signal at Stone Spring Rd. & Ramblewood Rd. with detection and coordination.

Explanation:

Install a traffic Signal when traffic warrants are met due to development in the area.

Alternative:

None.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

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O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land			$25,000					$25,000
Construction			$500,000					$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$525,000	$0	$0	$0	$0	$525,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$525,000					$525,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$525,000	$0	$0	$0	$0	$525,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: University Blvd. & Deyerle Ave. New Traffic Signal
Project Code: PWTELN05
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Install a traffic Signal at University Blvd. & Deyerle Ave. with detection and Coordination.

Explanation:

Install a Traffic Signal when traffic warrants are met due to development in the area.

Alternative:

None.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land							$25,000	$25,000
Construction							$500,000	$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$525,000	$525,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Mt. Clinton Pike & Technology Drive New Traffic Signal
Project Code: PWTELN06
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Install a traffic Signal at Mt. Clinton Pike & Technology Drive with Detection and Coordination.

Explanation:

Install a traffic signal when traffic warrants are met due to development in the area. Planned development has provided required land and some infrastructure for new signal.

Alternative:

None.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land							$25,000	$25,000
Construction							$500,000	$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$525,000	$525,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Mt Clinton Pike & Acorn Dr. New Traffic Signal
Project Code: PWTELN07
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Install a traffic Signal at Mt Clinton Pike & Acorn Dr. with Detection and Coordination.

Explanation:

Install a traffic signal when traffic warrants are met due to development in the area.

Alternative:

None.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land							$25,000	$25,000
Construction							$500,000	$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$525,000	$525,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$525,000	$525,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Garbers Church/Bluestone ES New Traffic Signal
Project Code: PWTELN08
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Install New Traffic signal at Intersection of Garbers Church Road/Bluestone Elementary School.

Explanation:

The signal will be required based on increases in pedestrian volume at the schools in the area. Harrisonburg City Public Schools has participated in this project by installing all of the needed underground infrastructure.

Alternative:

Use of crossing guards and other pedestrian crossing signage.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction							$350,000	$350,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$350,000	$350,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$350,000	$350,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$350,000	$350,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: East Market St. and Reservoir St. Traffic Signal Upgrade
Project Code: PWTELU01
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** 2021
Department: 410741 **Status:** Active **Completion Date (FYE):** 2021

Description:

East Market St. and Reservoir St. replace traffic signal poles with Decorative Black Powder Coated poles and arms to match streetscape project upgrades and equipment.

Explanation:

1. Improves traffic signal
2. Replace old traffic signal span wire poles
3. Remove span wire and replace with mast arms
4. Need to obtain a 16 foot minimun clearance requirement

Alternative:

Keep and maintain existing infrastructure.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$25,000						$25,000
Land		$25,000						$25,000
Construction		$500,000						$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$550,000	$0	$0	$0	$0	$0	$550,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$550,000						$550,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$550,000	$0	$0	$0	$0	$0	$550,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Traffic Management Equipment Program
Project Code: PWTEM01
Project Priority: Priority 2 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2016
Department: 410741 **Status:** Active **Completion Date (FYE):** ongoing

Description:

Transportation Management & traffic signal maintenance equipment for:

1) Collecting traffic data
2) Monitoring travel conditions
3) Remote maintenance of traffic signal vehicle detection system
4) Establishing network connections to traffic signal systems
5) Testing traffic signal conflict monitors

Justifications:

x-Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Explanation:

Specific equipment includes:

1) Pneumatic tube traffic counters
2) Permanent traffic data collection stations
3) Traffic cameras for incident management and assessment of traffic & roadway conditions
4) Viewcom cards for remote access, configuration, and troubleshooting of vehicle detection systems
5) Networking equipment to establish communication to unconnected signalized intersections for remote programming and signal coordination
6) Conflict monitor test equipment used to certify proper operation of the devices that monitor for hardware faults at traffic signals. Testing of these devices is mandatory and a liability if not performed annually.

Traffic data is used for the development of signal timing updates, collection of corridor performance statistics, traffic signal warrant studies, street improvement planning, traffic calming studies, and other tasks. Remote access and configuration of the vehicle detection system saves signal crew time and helps resolve detection issues faster using remote troubleshooting. This equipment also provides access to video feeds from the vehicle detection cameras, which are used for traffic management.

Goals and Objectives

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O 13.1
O 13.2

Alternative:

Expend additional staff hours and equipment resources to perform piecemeal traffic studies. Use overtime hours to have staff troubleshoot video detection problems on-site during off hours instead of recording it using remote access and reviewing during working hours.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$50,000	$50,000	$50,000	$50,000	$50,000		$250,000
Other Expenses								$0
Total	$0	$50,000	$50,000	$50,000	$50,000	$50,000	$0	$250,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$50,000	$50,000	$50,000	$50,000	$50,000		$250,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$50,000	$50,000	$50,000	$50,000	$0	$250,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0

Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Traffic Detection Cameras (Grid Smart)
Project Code: PWTEM02
Project Priority: Priority 2 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2021
Department: 410741 **Status:** Active **Completion Date (FYE):** 2026

Description:

Upgrade of video detection system utilized on traffic signals throughout the City. The upgraded system is GridSmart and provides increased functionality, with improved detection capabilities, real-time traffic counts, and improved communication interfaces.

Explanation:

Specific equipment includes:

1) Permanent traffic data collection stations.
2) Traffic cameras for incident management and assessment of traffic & roadway conditions.
3)Remote access and configuration of the vehicle detection system saves signal crew time and helps resolve detection issues faster using remote troubleshooting. This equipment also provides access to video feeds from the vehicle detection cameras, which are used for traffic management.

Alternative:

Expand operations with additional staff hours and equipment resources to perform piecemeal traffic studies. Use overtime hours to have staff troubleshoot video detection problems on-site during off hours instead of recording it using remote access and reviewing during working hours.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$139,000	$170,000	$156,000	$170,000	$122,000		$757,000
Other Expenses								$0
Total	$0	$139,000	$170,000	$156,000	$170,000	$122,000	$0	$757,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$139,000	$170,000	$156,000	$170,000	$122,000		$757,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$139,000	$170,000	$156,000	$170,000	$122,000	$0	$757,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Traffic Signals Communications Radio Upgrade
Project Code: PWTEM03
Project Priority: Priority 2 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2021
Department: 410741 **Status:** Active **Completion Date (FYE):** 2025

Description:

Replace/Upgrade Broadband Radio Network for Traffic Signal Communication.

Explanation:

The PW Department uses a broadband radio network to communicate with all of the traffic signal equipment throughout the City; this network was built over the past 15 years. The FCC has restricted the uses of certain frequencies, which has affected the operation and maintenance of our older radios. In order to maintain efficient communications with traffic signals and equipment, the City needs to upgrade to the newer radios that will work within the FCC parameters.

Alternative:

Install a fiber network throughout the City for communications.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$50,000	$50,000	$50,000	$50,000	$50,000		$250,000
Other Expenses								$0
Total	$0	$50,000	$50,000	$50,000	$50,000	$50,000	$0	$250,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$50,000	$50,000	$50,000	$50,000	$50,000		$250,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$50,000	$50,000	$50,000	$50,000	$0	$250,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: LED Illuminated Street Sign Program
Project Code: PWTESN01
Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2020
Department: 410741 **Status:** Active **Completion Date (FYE):** 2022

Description:

To provide LED backlit street signs at signalized intersections on major street corridors.

Explanation:

To provide improved visibility and aesthetics of street signs at signalized intersections on major corridors. Street signs with a higher visibility can improve the overall safety of the roadway by reducing driver confusion. Program is currently at a 60% completion level.

(2018)
S Main St & South Ave/
E Market St & MLK/E Market St & Mason St/S High St & MLK
S High St & Grace St/S High St & Maryland Av/S High St & South Av

(2019)
I-81 Ramp, & Covenant Dr/S Main St & Pleasant Valley Rd/University Blvd & Valley Mall/Burgess Rd & Harrisonburg Crossing/Evelyn Byrd Av & Burgess Rd/Reservoir St & Evelyn Byrd Av/Reservoir St & Harrisonburg Crossing

(2020)
W Market St & Dogwood Dr/W Market St & Waterman Dr/W Market St & Westfield Ct/W Market St, Garbers Church Rd, & Switchboard Rd/N Mason St & Gay St/N Mason St & Wolfe St/N Mason St & Elizabeth St/N Main St & Elizabeth St/N Main St & Wolfe St/N Main St & Gay St

(2021)
Early Rd & Pleasant Valley Rd/N Main St & N Mason St/N Main St & Washington St/N Main St, Vine St, & Mt Clinton Pk/Noll Dr & Gay St/W Market St & Liberty St/S Liberty St & Water St/S Liberty St & Bruce St/Neff Av & Evelyn Byrd Av/Garbers Church Rd & Erickson Av

(2022)
Garbers Church Rd & High School N Parking Lot/Garbers Church Rd & High School S Parking Lot/Virginia Av & Mt Clinton Pk/N Liberty St & Mt Clinton Pk/MLK Jr. Way & Reservoir St/MLK Jr. Way & Paul St
Linda Ln & Country Club Rd/Country Club Rd & Blue Ridge Dr/Vine St & Old Furnace Rd/Linda Ln & Skyline School/Warsaw St & Harrison St

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
x-Convenience
x-Other

Goals and Objectives

G 13
O 13.1

Alternative:

Continue standard street sign program.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$50,000	$50,000					$100,000
Other Expenses								$0
Total	$0	$50,000	$50,000	$0	$0	$0	$0	$100,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$50,000	$50,000					$100,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$50,000	$0	$0	$0	$0	$100,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: SUPPORT ADDITIONS PURCHASING /CENTRAL STORES
Project Code: PWCS1
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 772141 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Expand existing building to provide weatherproof and safe storage for pipe and other materials. Central Stores continues to expand the scope of it's service to the various departments and finds itself needing more storage space for large items.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Expand existing building. Storage needed for larger (primarily PVC material) parts. Most large items are ordered for specific projects and stored until needed on project.

Alternative:

None.

Goals and Objectives

G 14
O 14.1
O 14.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$60,000	$60,000
Land								$0
Construction							$340,000	$340,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$400,000	$400,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$400,000	$400,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$400,000	$400,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: DOWNTOWN STREETSCAPE PROJECT
Project Code: PWSTP01
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** 2015
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

This project is part of the Harrisonburg Downtown Streetscape Plan. Cost of utility work is not included. Phase IV Streetscape will include improvements to Water Street between Main Street and Liberty Street. Transportation Alternative Program (TAP) grant funds would be sought to fund this project.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
x-Increase revenues
x-Improves service
New service
x-Convenience
Other

Explanation:

Replace curb, gutter, and sidewalks, install enhanced crosswalks, replace lighting, install benches, waste receptacles, traffic regulatory signage, and landscaping as needed throughout the project.

Alternative:

Maintain existing sidewalks and brick pavers.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$200,000			$100,000				$300,000
Land								$0
Construction	$1,350,000			$400,000				$1,750,000
Equipment								$0
Other Expenses								$0
Total	$1,550,000	$0	$0	$500,000	$0	$0	$0	$2,050,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$470,000			$100,000				$570,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$1,080,000			$400,000				$1,480,000
Capital Project Fund								$0
Other Revenue								$0
Total	$1,550,000	$0	$0	$500,000	$0	$0	$0	$2,050,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: CARPENTER LN./ PIKE CHURCH RD. REALIGNMENT
Project Code: PWSTP02
Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Realign Carpenter Ln. with intersection of Pike Church Rd. and S. Main St.

Explanation:

To improve safety and planned future signalization of Pike Church Rd. and S. Main St.

Alternative:

Close Carpenter Ln.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$250,000	$250,000
Land							$300,000	$300,000
Construction							$2,000,000	$2,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$2,550,000	$2,550,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,550,000	$2,550,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$2,550,000	$2,550,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: PLEASANT VALLEY ROAD
Project Code: PWSTP03
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Improve street from S. Main St. to City Limits to better accommodate truck traffic to industrial areas and relocated Rockingham County Landfill entrance; the project will include a center turn lane, wider lanes, bicycle and pedestrian facilities, storm drain system and improved turning radii at intersections.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Improve drainage, replace pipe culverts, improve pavement, rebuild shoulders. Funding is planned to be 100% General Fund for design, and VDOT SmartScale for R/W and Construction.

Alternative:

Build alternative new roadway as shown in Street Improvement Plan.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$750,000	$750,000
Land							$2,500,000	$2,500,000
Construction							$5,000,000	$5,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$8,250,000	$8,250,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$8,250,000	$8,250,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$8,250,000	$8,250,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: South Main Street (48718)
Project Code: PWSTP05
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2023
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Improvements to South Main Street from Exit 243 interchange to Reedy Circle. Improvements are in conjunction with the planned Bluestone Development. Signalization of South Main Street and Reedy Circle to be funded by Bluestone Development. Improvements to the Exit 243 interchange to be cost-shared between the City and Bluestone Development. Exit 243 improvements included adding dual left turn lanes and right turn lane from SB South Main to the on ramp, and small on and off ramp lane changes. Smart Scale application.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Improve traffic flow and safety at the Exit 243 interchange and at Reedy Circle due to the planned Bluestone Development.

Goals and Objectives

G 13
O 13.1
O 13.2

Alternative:

None.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$250,000	$250,000
Land							$0	$0
Construction							$1,700,000	$1,700,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$1,950,000	$1,950,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$1,950,000	$1,950,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$1,950,000	$1,950,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: CHICAGO AVE./ MT. CLINTON PIKE/ PARK RD. ROUNDABOUT
Project Code: PWSTP06
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2016
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Improve intersection of Chicago Ave., Mt. Clinton Pike, and Park Rd. to include a roundabout and improvements along Mt. Clinton Pike from the roundabout east to Virginia Ave. with bicycle facilities, pedestrian facilities, stormwater management system. Public involvement meeting in April 2011 indicated strong support for roundabout opposed to other traffic control methods at this intersection. Currently, VDOT Revenue Sharing is being used to fund portions of this project. Remaining funds will be sought through VDOT's Smart Scale grant program.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Currently, Chicago Ave. and Park Rd. intersect with Mt. Clinton Pike at an offset intersection causing a safety hazard. This project will improve safety with the installation of a roundabout. A partnership with Eastern Mennonite University is planned to assist in completing the project. Reconstructed Mt. Clinton Pike will be 2 lanes in each direction with center turn lanes. A sidewalk is planned for the south side of the roadway, with a shared use path along the north side.

Goals and Objectives

G 13
O 13.1
O 13.2

Alternative:

Install an offset signalized intersection.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$1,129,240							$1,129,240
Land							$5,449,334	$5,449,334
Construction							$6,063,099	$6,063,099
Equipment								$0
Other Expenses								$0
Total	$1,129,240	$0	$0	$0	$0	$0	$11,512,433	$12,641,673

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$564,620						$185,380	$750,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$564,620						$11,327,053	$11,891,673
Capital Project Fund								$0
Other Revenue								$0
Total	$1,129,240	$0	$0	$0	$0	$0	$11,512,433	$12,641,673

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: CHICAGO AVENUE IMPROVEMENTS
Project Code: PWSTP06A
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Widen Chicago Avenue from Mt. Clinton Pike to 3rd St. to two lanes with center turn lanes, install sidewalk, curb and gutter, and bike lanes.

Requires major storm drain system construction from Mt. Clinton Pike to Waterman Drive and along Waterman Drive to West Market Street.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Project to improve traffic flow between Mt. Clinton Pike and Gay St. and Waterman Drive. The project will assist traffic movement from West Market Street to Virginia Avenue.

Alternative:

Use existing insufficient facilities.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$750,000	$750,000
Land							$5,000,000	$5,000,000
Construction							$7,500,000	$7,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$13,250,000	$13,250,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue							$2,000,000	$2,000,000
Bond Proceeds							$11,250,000	$11,250,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$13,250,000	$13,250,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: MT. CLINTON PIKE WIDENING

Project Code: PWSTP06B

Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond

Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Improve Mt. Clinton Pike to a two-lane facility with a center turn lane and bicycle/pedestrian facilities, between Chicago Avenue and Lincolnshire Drive in Rockingham County. Requires retaining wall from Smith Street to west City Limits.

Explanation:

Street Improvements to provide safer travel and accommodate future growth in Park View area.

Alternative:

Maintain existing lanes and infrastructure while maintaining the existing unsafe features.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$500,000	$500,000
Land							$3,000,000	$3,000,000
Construction							$5,000,000	$5,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$8,500,000	$8,500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$8,500,000	$8,500,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$8,500,000	$8,500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: NORTH LIBERTY STREET (48294)
Project Code: PWSTP08
Project Priority: Priority 3 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Reconstruct and widen North Liberty Street from Edom Road to the North City Limits. Install storm drains, curb & gutter, bicycle lanes & sidewalks or shared use path.

Explanation:

Improvement to the roadway is to serve industrial and commercial development in the area. Several developments depend on truck transportation for their businesses along this street. Street improvements will support existing and future development.

Alternative:

Maintain existing infrastructure.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$500,000	$500,000
Land							$1,000,000	$1,000,000
Construction							$3,500,000	$3,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$5,000,000	$5,000,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$5,000,000	$5,000,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$5,000,000	$5,000,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: CARLTON STREET IMPROVEMENT
Project Code: PWSTP09
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2024
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Improve Carlton St. between E. Market St. and Reservoir St. to a two-lane facility with a center turn lane. Includes sidewalks and storm drain facilities.

Explanation:

To improve the transportation network in an area with high pedestrian volumes near an elementary school with inadequate facilities.

Alternative:

None.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$150,000	$150,000
Land							$125,000	$125,000
Construction							$825,000	$825,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$1,100,000	$1,100,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$1,100,000	$1,100,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$1,100,000	$1,100,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: BLUESTONE TRAIL
Project Code: PWSTP11
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2016
Department: 9101 **Status:** Active **Completion Date (FYE):** 2024

Description:

Phase I: Complete

Phase II: Provide pedestrian/bike connection between Wellness Drive and Ramblewood Park. Potential connection to the new High School site could be included in this phase. VDOT Revenue Sharing is anticipated for funding of this project.

Explanation:

Will allow people living in university housing developments and multi-family developments in the southern end of the city to reach destinations by alternative means of transportation, that is separated from motor vehicle traffic.

Alternative:

End the project/do not complete.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
x-Convenience
Other

Goals and Objectives

G 13
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$200,000			$500,000				$700,000
Land								$0
Construction	$1,125,000				$4,500,000			$5,625,000
Equipment								$0
Other Expenses								$0
Total	$1,325,000	$0	$0	$500,000	$4,500,000	$0	$0	$6,325,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$675,000			$250,000	$2,250,000			$3,175,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$650,000			$250,000	$2,250,000			$3,150,000
Capital Project Fund								$0
Other Revenue								$0
Total	$1,325,000	$0	$0	$500,000	$4,500,000	$0	$0	$6,325,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: GREENDALE ROAD 910141-48666
Project Code: PWSTP12
Project Priority: Priority 3 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Relocate Greendale Road through Emswiler Property to connect with Pleasant Valley Road near Tenneco. Three lane roadway with sidewalks, bicycle lanes and/or shared use paths and bridge over railroad.

Explanation:

Improves traffic flow from Route 11 to the eastern part of the city, and avoids road widening through residential areas. Partial funds from private business.

Alternative:

None.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$1,000,000	$1,000,000
Land							$2,000,000	$2,000,000
Construction							$9,500,000	$9,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$12,500,000	$12,500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$12,500,000	$12,500,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$12,500,000	$12,500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: UNIVERSITY BLVD & EVELYN BYRD - SIDEWALK
Project Code: PWSTP14
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2024
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Construct new sidewalks on University Blvd. from Reservoir St. to E. Market St., and on Evelyn Byrd Ave. from Reservoir St. to E. Market St. This project will also include a road diet on University Blvd and Evelyn Byrd Ave.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Sidewalks on University Blvd. and Evelyn Byrd Ave. would provide access for pedestrians to commercial businesses and restaurants along the corridor. These sidewalks will also provide a connection between existing sidewalks on Reservoir St. and new sidewalks on E. Market St. Sidewalks would also provide improved access for pedestrians to existing bus stops.

Alternative:

None.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning					$250,000			$250,000
Land							$1,192,641	$1,192,641
Construction							$1,267,124	$1,267,124
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$250,000	$0	$2,459,765	$2,709,765

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants					$250,000		$2,459,765	$2,709,765
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$250,000	$0	$2,459,765	$2,709,765

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Erickson / Garbers Intersection Improvements
Project Code: PWSTP16A
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2021
Department: 9101 **Status:** Active **Completion Date (FYE):** 2023

Description:

Widen Erickson Avenue at the intersection with Garbers Church Road to allow for the addition of left-turn lanes in each direction on Erickson Avenue. Curb & gutter and sidewalk will be added along the widened section of Erickson Avenue.

Explanation:

Peak hour turning movements reduce the level of service at this intersection. By adding left-turn lanes it will allow for improved signal operations.

Alternative:

Do not complete planned project.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$25,000						$25,000
Land								$0
Construction			$342,000					$342,000
Equipment								$0
Other Expenses								$0
Total	$0	$25,000	$342,000	$0	$0	$0	$0	$367,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$25,000	$342,000					$367,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$25,000	$342,000	$0	$0	$0	$0	$367,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Martin Luther King Jr Way Widening

Project Code: PWSTP20

Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2016

Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Martin Luther King Jr Way from 300' west of Ott Street intersection to 450' east of Ott Street. Widen street to 5 lanes to create dedicated left turn lane at Ott Street intersection.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Project to provide improved capacity and turn lanes for JMU campus at the time of JMU campus expansion beyond the current footprint. Improves efficiency of bicycle & pedestrian safety. Project to be developed cooperatively with JMU.

Alternative:

Maintain existing infrastructure and lanes.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$375,000						$300,000	$675,000
Land	$125,000						$125,000	$250,000
Construction	$2,800,000						$3,000,000	$5,800,000
Equipment								$0
Other Expenses								$0
Total	$3,300,000	$0	$0	$0	$0	$0	$3,425,000	$6,725,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$500,000							$500,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$2,800,000						$3,150,000	$5,950,000
Capital Project Fund								$0
Other Revenue							$275,000	$275,000
Total	$3,300,000	$0	$0	$0	$0	$0	$3,425,000	$6,725,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: EAST MARKET STREET - SAFETY IMPROVEMENT PROGRAM - 910141-48619
Project Code: PWSTP21
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2021
Department: 9101 **Status:** Active **Completion Date (FYE):** 2021

Description:

Improvement to turning lanes, cross-overs, pedestrians access from Linda Lane to Chestnut Ridge Drive. Install sidewalks and pedestrian crosswalks. Implement strategies developed during VDOT's STAR study of the East Market St corridor.

Explanation:

Due to increased traffic and development in this area improvements must be made to accommodate traffic and pedestrians. Traffic volumes in this area equal to the counts on I-81.

Alternative:

Build new streets around area. Apply for Transportation Alternatives Program Grant, Highway Safety Improvement Grant, or SmartScale grants. Include part of the improvements in development plans for commercial development of the area.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction		$50,000						$50,000
Equipment								$0
Other Expenses								$0
Total	$0	$50,000	$0	$0	$0	$0	$0	$50,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$50,000						$50,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$0	$0	$0	$0	$0	$50,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: NEFF AVENUE IMPROVEMENTS
Project Code: PWSTP23
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Widen Neff Avenue between Port Republic Road and Sunchase Court to include median with turn lanes in anticipation of further JMU development of the athletic complex.

Explanation:

Need to provide turning lanes at the athletic complex entrances and control access along Neff Avenue.

Alternative:

Restrict Access to and from Neff Avenue.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
x-Convenience
x-Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$400,000	$400,000
Land								$0
Construction							$2,000,000	$2,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$2,400,000	$2,400,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,000,000	$2,000,000
Capital Project Fund								$0
Other Revenue							$400,000	$400,000
Total	$0	$0	$0	$0	$0	$0	$2,400,000	$2,400,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: COUNTRY CLUB ROAD 910141-48656
Project Code: PWSTP25
Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2024
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Phase I Country Club Road (Formerly MLK Way Extension) (FY23-Beyond)- MLK Way Extended to Country Club Road, which includes the construction of a Transit Transfer Center and park & ride facility, and adjustments to the Country Club Road at Vine Street intersection. Roadway will be 2 lanes with center turn lane, sidewalk and shared use path.

Phase II Country Club Road (Beyond)- I-81 Bridges to East Market St. at Valley Mall. Widen roadway to 2-lanes with turn lanes at intersections of Keezletown Rd. Install sidewalk and shared use path.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Project to improve traffic flow, provide improved left turn lanes, reduce delays, and improve transit operations. Improve drainage ditch parallel to the roadway. Project to be built in phases to coordinate with development and VDOT I-81 Bridge replacement schedule.

Goals and Objectives

G 13
O 13.1
O 13.2
O 13.3

Alternative:

Allow increased traffic to deal with delays.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$1,607,552	$1,607,552
Land							$3,208,675	$3,208,675
Construction							$14,962,386	$14,962,386
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$19,778,613	$19,778,613

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$19,778,613	$19,778,613
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$19,778,613	$19,778,613

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: VIRGINIA AVE. - GAY ST. TO 5TH ST.
Project Code: PWSTP27
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Relocate curb and gutter to widen street between Gay St. and 5th St. Replace storm drain system, improve alleys and parking areas behind homes to remove on-street parking from Virginia Ave. and repave and mark pavement to a 4-lane facility with a center turn lane.

Explanation:

Project to improve traffic flow. Traffic counts justify 4 lanes with a center turn lane. This will complete 4 laning of Virginia Ave., High St. (Rte. 42)through Harrisonburg.

Alternative:

NONE: Traffic counts warrant four lanes.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$500,000	$500,000
Land							$1,000,000	$1,000,000
Construction							$2,500,000	$2,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$4,000,000	$4,000,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$4,000,000	$4,000,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$4,000,000	$4,000,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: LINDA LANE WIDENING 910141-48696
Project Code: PWSTP28
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2024
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Construct five-lane facility, including a center turn lane with medians, sidewalk, shared use path with curb and gutter, from East Market Street to Country Club Road. Developer participation in construction from the Quarry development.

Explanation:

Provide adequate access to new planned developments.

Alternative:

Use existing insufficient facilities.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning					$300,000			$300,000
Land							$500,000	$500,000
Construction							$2,000,000	$2,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$300,000	$0	$2,500,000	$2,800,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants					$300,000		$2,500,000	$2,800,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$300,000	$0	$2,500,000	$2,800,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: SMITHLAND ROAD
Project Code: PWSTP28A
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2026
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Construct 2-Lane street with turn lanes, sidewalks, curb & gutter, bicycle lanes or shared use path, and raised median from the intersection of Linda Lane extended to Old Furnace Road at I-81.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Project to provide east-west travel way from the commercial area east of I-81 to the industrial area in the Northwest section of the City and adjoining Rockingham County Technology Park.

Alternative:

Use existing insufficient facilities.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$500,000	$500,000
Land							$1,000,000	$1,000,000
Construction							$3,000,000	$3,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$4,500,000	$4,500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$4,500,000	$4,500,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$4,500,000	$4,500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: MT. CLINTON PIKE EAST EXTENDED
Project Code: PWSTP29
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Construct 5-lane street with sidewalks, curb & gutter, bicycle lanes or shared use path, from the intersection of North Main Street & Mt. Clinton Pike to the intersection of Smithland Road & Old Furnace Road.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Explanation:

Project to provide east-west travel way from the commercial area east of I-81 to the industrial area in the northwest section of the city. Partner w/Rockingham County and VDOT on design, alignment and construction.

Alternative:

Improve Vine Street connection to Country Club Road.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$1,200,000	$1,200,000
Land							$3,000,000	$3,000,000
Construction							$6,000,000	$6,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$10,200,000	$10,200,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$10,200,000	$10,200,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$10,200,000	$10,200,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Northend Greenway
Project Code: PWSTP37
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2014
Department: 9101 **Status:** Active **Completion Date (FYE):** beyond

Description:

Construct a 10' wide paved multiuse path along Blacks Run between Parkview area and North Main Street.

Explanation:

The project follows the approximate trace of the former Blacks Run Greenway alignment. Phase 1 is complete and goes from Mt. Clinton Pike to Suter Street. Phase 2, connecting Jefferson Street and Monroe Street was constructed through a community effort as a stone path, and will be paved when funding is available. Phase 3, connecting Phase 1 across the railroad tracks to the intersection of Mt Clinton Pike and Virginia Ave (Route 42) is necessary to fill a gap between the end of Phase 1 and other existing pedestrian and bicycle infrastructure. Additional phases will connect Phase 1 to Phase 2 and construct the path to North Main Street.

Alternative:

Do not complete planned project.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
x-New service
Convenience
Other

Goals and Objectives

G 13
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$205,000						$205,000	$410,000
Land	$200,000						$200,000	$400,000
Construction	$895,000	$380,000					$895,000	$2,170,000
Equipment								$0
Other Expenses								$0
Total	$1,300,000	$380,000	$0	$0	$0	$0	$1,300,000	$2,980,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$700,000	$380,000					$700,000	$1,780,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$600,000						$600,000	$1,200,000
Capital Project Fund								$0
Other Revenue								$0
Total	$1,300,000	$380,000	$0	$0	$0	$0	$1,300,000	$2,980,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: North Main Street Sidewalk
Project Code: PWSTP38
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** Prior
Department: 9101 **Status:** Active **Completion Date (FYE):** 2021

Description:

Construct sidewalk and curb/gutter on North Main Street from Holly Hill Drive to Vine Street.

Explanation:

Provide connection to an income-based housing complex where residents rely on alternative transportation to access shopping in the downtown area. Consider CDBG to finance a portion of the project.

Alternative:

Do not build the sidewalk and wait for private development or redevelopment to occur, which the Design and Construction Standards Manual will then require the private developer to provide the sidewalk improvements.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

G 13
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction	$175,847	$703,387						$879,234
Equipment								$0
Other Expenses								$0
Total	$175,847	$703,387	$0	$0	$0	$0	$0	$879,234

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$175,847							$175,847
Enterprise Revenue								$0
Bond Proceeds								$0
Grants		$703,387						$703,387
Capital Project Fund								$0
Other Revenue								$0
Total	$175,847	$703,387	$0	$0	$0	$0	$0	$879,234

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Reservoir Street Sidewalk
Project Code: PWSTP40
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2021
Department: 9101 **Status:** Active **Completion Date (FYE):** 2023

Description:

Construct five-foot sidewalk on north side of Reservoir Street between the Harrisonburg Crossing entrance and Martin Luther King Jr. Way.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Pedestrians utilize the north side of Reservoir Street heavily and have worn a path along the side of the road. While a sidewalk exists on the south side of the roadway, residential communities are on the north side of the roadway and pedestrians walk on this side of the street to gain access to shopping areas east of I-81.

Alternative:

Continue to have pedestrians walking between the curb of a 4-lane facility and its guardrail, and down a steep slope to reach Harrisonburg Crossing. Wait for redevelopment to occur at Harrisonburg Crossing and on the north side of the I-81, at which time the developer would be required by the Design and Construction Standards Manual to build the sidewalk.

Goals and Objectives

G 13
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$275,000	$275,000
Land							$100,000	$100,000
Construction							$1,750,000	$1,750,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$2,125,000	$2,125,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,125,000	$2,125,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$2,125,000	$2,125,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: SOUTH MAIN STREET ACCESS MANAGEMENT
Project Code: PWSTP42
Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2022
Department: 9101 **Status:** Active **Completion Date (FYE):** 2023

Description:

Access management, safety, and bike/ped improvements from Port Republic Road to Pleasant Valley Road, as informed by traffic study and stakeholder involvement.

Explanation:

Improve safety and efficiency on S. Main St.

Alternative:

Opportunities to phase the project.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning			$500,000					$500,000
Land								$0
Construction				$4,500,000				$4,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$500,000	$4,500,000	$0	$0	$0	$5,000,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants			$500,000	$4,500,000				$5,000,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$500,000	$4,500,000	$0	$0	$0	$5,000,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: UNIVERSITY BLVD RELOCATION
Project Code: PWSTP43
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2021
Department: 9101 **Status:** Active **Completion Date (FYE):** 2023

Description:

Relocate University Blvd between Port Republic Road and Carrier Drive. Includes construction of shared use path, reconfiguration of neighborhood street connections, and coordination with JMU on old convocation center parking lot access.

Explanation:

Improve safety and efficiency of this connection. Provide a more direct connection between I-81, Port Republic Road, and Reservoir Street.

Alternative:

None.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$1,000,000						$1,000,000
Land		$175,000						$175,000
Construction			$7,965,000					$7,965,000
Equipment								$0
Other Expenses								$0
Total	$0	$1,175,000	$7,965,000	$0	$0	$0	$0	$9,140,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants		$587,500	$3,982,500					$4,570,000
Capital Project Fund								$0
Other Revenue		$587,500	$3,982,500					$4,570,000
Total	$0	$1,175,000	$7,965,000	$0	$0	$0	$0	$9,140,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: S Main / Kaylor / Boxwood Improvements (HHS2)
Project Code: PWSTP44
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2019
Department: 9101 **Status:** Active **Completion Date (FYE):** 2023

Description:

Improvements to various intersections along South Main Street due to the construction of the second Harrisonburg High School. The intersection of South Main Street and East Kaylor Park Drive will be signalized with right turn lanes added in both the northbound and southbound directions on South Main Street, and a concrete median will be installed on South Main Street to protect the left turns onto both East and West Kaylor Park Drive. A new entrance will be constructed at the intersection of South Main Street and Boxwood Drive. The Boxwood Drive leg of the intersection will be a right in / right out entrance.

Justifications:

x-Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Explanation:

During the development of the second Harrisonburg High School, the Public Works Department conducted a Traffic Impact Analysis and that analysis showed that these improvements were needed in order to adequately mitigate the additional vehicle trips added to South Main Street by the new High School.

Goals and Objectives

G 13
O 13.1
O 13.2

Alternative:

None.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$552,000							$552,000
Land		$1,500,000						$1,500,000
Construction		$4,543,755						$4,543,755
Equipment								$0
Other Expenses								$0
Total	$552,000	$6,043,755	$0	$0	$0	$0	$0	$6,595,755

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$552,000	$6,043,755						$6,595,755
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$552,000	$6,043,755	$0	$0	$0	$0	$0	$6,595,755

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Port Republic Rd - Bluestone and Forest Hill intersections
Project Code: PWSTP45
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Construct a westbound right turn lane with 100 feet of storage and a 100 foot taper on Port Republic Road at the intersection of Port Republic Road and Forest Hill Road. Increase the eastbound left turn lane storage length on Port Republic Road and Bluestone Drive from 100 feet to 300 feet. Potential for VDOT funding through SMART SCALE.

Explanation:

The Port Republic Road Safety and Operations Study evaluated the Port Republic Road corridor and provided many recommendations for changes to improve safety and operations. Geometric changes were recommended for the intersections with Forest Hill Road and with Bluestone Drive/Hillside Avenue to increase safety and reduce congestion on this high-traffic corridor.

Alternative:

Maintain existing infrastructure and lanes.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$191,250	$191,250
Land							$60,000	$60,000
Construction							$1,023,750	$1,023,750
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$1,275,000	$1,275,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$1,275,000	$1,275,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$1,275,000	$1,275,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Port Republic Rd - Devon Lane and Bradley Dr Intersections
Project Code: PWSTP46
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Signalize Port Republic Road and Bradley Drive, and construct westbound left turn lane on Port Republic Road at Bradley Drive. Reconfigure the southbound approach of Devon Lane at Port Republic Road to include one left turn lane, one through lane and one right turn lane. Restripe the eastbound approach of Devon Lane at Port Republic Road to include one left turn lane, one through lane and the existing right turn lane. Potential for VDOT funding through SMART SCALE.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

The Port Republic Road Safety and Operations Study evaluated the Port Republic Road corridor and provided many recommendations for changes to improve safety and operations. Geometric changes were recommended for the intersections with Devon Lane and Bradley Drive to increase safety and reduce congestion on this high-traffic corridor.

Goals and Objectives

G 13
O 13.1
O 13.2

Alternative:

Maintain existing infrastructure and lanes.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$330,000	$330,000
Land							$100,000	$100,000
Construction							$1,770,000	$1,770,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$2,200,000	$2,200,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,200,000	$2,200,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$2,200,000	$2,200,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Port Republic Rd Sidewalk - Main St to Hillside Ave
Project Code: PWSTP47
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Construct a five-foot wide sidewalk on the south side of Port Republic Road between S. Main Street and Hillside Avenue/Bluestone Drive. Relocate crosswalks at the intersection of Port Republic Road and S. Main Street to be perpendicular to shorten crossing distance and reduce pedestrian/vehicle conflicts. Potential for VDOT funding through SMART SCALE.

Explanation:

Due to the close proximity to JMU, demand for pedestrian facilities is high along Port Republic Road. Construction of a sidewalk on the south side of the road increases safety for pedestrians who would otherwise walk in the road or need to cross 4 vehicle travel lanes to reach a sidewalk. Pedestrians have frequently been observed walking in the street on this arterial roadway.

Alternative:

None.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$450,000	$450,000
Land							$100,000	$100,000
Construction							$2,450,000	$2,450,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$3,000,000	$3,000,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$3,000,000	$3,000,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$3,000,000	$3,000,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Erickson / Pear St Intersection Improvements
Project Code: PWSTP48
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Install a "Michigan Left Turn" at the intersection of Erickson Avenue and Pear St. A "Michigan Left Turn" restricts left turns from the side street by forcing a right turn, which leads to a protected u-turn downstream from the intersection.

Explanation:

A rezoning in Rockingham County has recently been approved for a large residential development off of Pear Street near this intersection. During the Traffic Impact Analysis for that development, intersection operation was studied and found to be nearing warrants for signalization. However, due to the close proximity of the railroad crossing and High Street, signalization is most likely not practical. The alternative intersection "Michigan Left Turn" was initially evaluated and when modeled provided operational and safety improvements. Currently, the City and VDOT are working on a more in-depth study through the STARS program to determine the overall benefits of this project.

Alternative:

Do not complete the planned project and continue to monitor the intersection.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$105,000	$105,000
Land							$100,000	$100,000
Construction							$700,000	$700,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$905,000	$905,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$755,000	$755,000
Capital Project Fund								$0
Other Revenue							$150,000	$150,000
Total	$0	$0	$0	$0	$0	$0	$905,000	$905,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Purcell Park Playground Improvement Program
Project Code: P&R 21-1
Project Priority: Priority 2 **Project Type:** RENOVATION **Start Date (FYE):** 2021
Department: 710271 **Status:** Active **Completion Date (FYE):** 2022

Description:

Purcell Park is one of the oldest parks within the City. The first parcels were purchased beginning in 1954. Over time the park has grown in terms of acreage, amenities, and number of users. The history is long and the love for this park is shared by residents of this community. One of the highlights of Purcell Park is "Kids Castle." This structure was constructed as a community build project in 1990. The work was completed by volunteers of the community. These individuals invested their personal time and talents to provide this amenity to our kids.

We recently contacted the manufacturer of Kid's Castle who informed us that they are no longer making wooden play structures and that the typical life-span of our current structure is 20 years. Kid's Castle just "celebrated" 28 years in service to the youth of our community.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 3
O 3.1
O 5.1
G 12
O 12.1
O 12.2
O 12.3
O 12.4

Explanation:

We are currently in the process of a Master Plan for Purcell Park. A consultant firm was hired, LSG Landscape Architects and community engagement has begun. With this information the overall plan for the park will be developed and a design for a new, reimagined Kid's Castle will be completed.

Phase 1 (playground construction) funds have been allocated in FY20. This request is for Phase 2 funding to complete the new playground construction.

Alternative:

The only reasonable, responsible alternative is to replace Kid's Castle.

However, if no action is taken the Parks and Recreation Department will begin to remove hazards to the structure. Delaying renovation of the playground will result in increased costs of replacement.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction	$225,000	$300,000						$525,000
Equipment								$0
Other Expenses								$0
Total	$225,000	$300,000	$0	$0	$0	$0	$0	$525,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$225,000	$300,000						$525,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$225,000	$300,000	$0	$0	$0	$0	$0	$525,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Westover Skate Park Improvement Project
Project Code: P&R 21-2
Project Priority: Priority 3 **Project Type:** ADDITION & RENOVATION **Start Date (FYE):** 2021
Department: 710271 **Status:** Active **Completion Date (FYE):** 2023

Description:

Westover Skate Park (WSP) opened in 2003 and is a heavily used amenity enjoyed by the youth and young adults of our community. The Skate Park provides skateboarders, roller bladers, and BMX bike enthusiasts with a dedicated safe location to recreate in the community.

WSP uses Skate Lite obstacles. These obstacles are constructed of two layers-the outer surfacing material and the interior support structure. Ongoing staff inspections continue to reveal deterioration of both, which compromises the integrity of the individual obstacles.

To ensure safety of our users we contracted American Ramp Company to make repairs in early 2019. However, the deterioration of the wooden support structure continues to cause the surface material to "pull away" and lift from the support structure.

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 3
O 3.1
G 12
O 12.1
O 12.2
O 12.4

Explanation:

With the current condition of the Westover Skatepark there have been significant closures to make the needed repairs from use, weather, and age. Simply, the skatepark obstacles have exceeded their life expectancy and while we will continue to make repairs, we are uncertain how much longer they will last.

Our goal is to remove and replace over the course of the next 3-years per the proposal provided by American Ramp Company. Obstacles will be replaced with more durable steel structures and come with a 20 year warranty.

Alternative:

Continue repairs and remove obstacles as needed. This approach will continue until the ongoing deterioration requires permanent closing of this amenity.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$130,000	$75,000	$100,000				$305,000
Land								$0
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$130,000	$75,000	$100,000	$0	$0	$0	$305,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$130,000	$75,000	$100,000				$305,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$130,000	$75,000	$100,000	$0	$0	$0	$305,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Heritage Oaks - Bridge Replacements
Project Code: P&R 21-4
Project Priority: Priority 2 **Project Type:** REBUILD **Start Date (FYE):** 2021
Department: 730271 **Status:** Active **Completion Date (FYE):** 2023

Description:

Replacement of three of the four golf cart bridges damaged by flooding in 2018.

Current bridges do not meet engineering code requirements. An engineering firm performed an analysis of the bridges and stated, "...we believe that it is unlikely the existing bridges have aequate design structural capacity to support vehicular traffic."

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
x-Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

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Explanation:

The golf course cart and maintenance vehicle bridges at Heritage Oaks were built during original construction in 2000-2001. They are constructed with a wooden pole and wooden top decking, not in compliance with current engineering and building codes for either weight bearing or flood loading.

In the last two decades, the bridges have been displaced from their positions from flooding rain events multiple times. All of the bridges scheduled for replacement were displaced twice during the heavy rains of 2018. Significant damage resulted whereby the bridges cannot be repaired and must be replaced in accordance with current standards/code.

The design developed by Monteverde Engineering incorporates a steel girder structure ensconced in anchored, concrete abutments, and topped with pressure treated decking and rails designed to withstand flooding loads and light vehicular traffic that travels the golf course paths.

One bridge has been budgeted for repair in FY20. This request is to repair the remaining 3 bridges in FY21.

Alternative:

Failure to address this situation can result in the potential for significant liability exposure for the City if a bridge should fail when used by a golfer(s). Any significant rain event will completely destroy the remaining structures.

Additionally, we would be unable to meet the high expectation of exemplary playing conditions that have become the standard at Heritage Oaks Golf Course.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction	$100,000	$300,000						$400,000
Equipment								$0
Other Expenses								$0
Total	$100,000	$300,000	$0	$0	$0	$0	$0	$400,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue	$100,000	$300,000						$400,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$100,000	$300,000	$0	$0	$0	$0	$0	$400,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0

Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Riven Rock Restrooms
Project Code: P&R 22-1
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** 2022
Department: 710271 **Status:** Active **Completion Date (FYE):** 2022

Description:

Discontinue the use of the two pit style restrooms (Outhouses) at Riven Rock Park and replace with a Green Flush Technologies vault style, flushable restroom.

Riven Rock Park is a heavily wooded nature park with multiple picnic shelters and water features as its main amenities. At current time, the park has badly deteriorated restroom facilities that are in poor condition and outdated. A pre-cast replacement option is available and widely used in parks that are similar to Riven Rock Park. This new restroom facility will replace the outhouse facility currently at the park.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
x-Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Placement of this prefabricated facility would be in a central location and serve the whole of the park. Green Flush Technologies has combined the advantages of a flush restroom with the self-containment feature of a vault toilet. Units are ADA accessible and have sinks with running water (not currently available at Riven Rock Park).

Goals and Objectives

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O 12.4

Alternative:

Do nothing and remove outhouses when no longer usable, and delay any future development of Riven Rock so as not to encourage use.

Transition Riven Rock Park to a "primitive" site with no features other than those that nature provides.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction			$97,800					$97,800
Equipment								$0
Other Expenses								$0
Total	$0	$0	$97,800	$0	$0	$0	$0	$97,800

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$97,800					$97,800
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$97,800	$0	$0	$0	$0	$97,800

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Ralph Sampson Park Splashpad
Project Code: P&R 23-1
Project Priority: Priority 3 **Project Type:** ADDITION **Start Date (FYE):** 2025
Department: 710671 **Status:** Active **Completion Date (FYE):** Beyond

Description:

A master plan for improvements at Ralph Sampson Park was completed in 2008 with improvements projected in five phases.

Phase 1 and Phase 2 have been completed consisting of the entrance road, cul-de-sac and two picnic shelters and comfort station. This request is for Phase 3 - Sprayground and associated comfort station.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
x-New service
Convenience
x-Other

Goals and Objectives

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O 3.1
O 4.1
O 5.1
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O 12.1
O 12.2
O 12.3
O 12.4

Explanation:

A master plan for improvements at Ralph Sampson Park was completed in 2008. The goals of the plan were to "...establish a plan of action for Ralph Sampson Park that is representative of the desires of the community and the needs of the City; that respects the character of the site; and that can adapt to the future needs of the City and surrounding neighborhoods." Community input was instrumental in the final design of the park.

Phase 3 of the final design included the community's desire for a sprayground or splash pad. A water sprayground or splash pad is a highly recommended alternative to a public swimming pool with both construction and operational costs being considerably lower.

The construction of the sprayground would be phased over two years. The first phase would focus on design. During design, there is an opportunity to again, engage the community to allow for incorporation of their ideas and the historical characteristics of the area into the overall theme of the new splash park. The second phase would include construction.

The initial construction cost estimated in 2008 (as part of the Master Plan) was $407,000. The actual cost of the recent installation of the splashpad at Westover Pool cost $373,900 using existing plumbing and electrical infrastructure.

With design to take place in FY23 and construction in FY24, the cost of construction including a 3% increase extrapolated over the next 4 years is estimated at $458,082.

The operating costs are estimated at $13,440 personnel and $8,000 for chemicals and utilities. Costs can be reduced if the splashpad is left unattended.

A request would be submitted for CDBG funding for a little over 50% of the total cost of construction.

Alternative:

Do nothing.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning						$50,000	$458,000	$508,000
Land								$0
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$50,000	$458,000	$508,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue						$50,000	$225,000	$275,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$233,000	$233,000
Capital Project Fund								$0
Other Revenue								$0

Total	$0	$0	$0	$0	$0	$50,000	$458,000	$508,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel							$13,500	$13,500
Operating							$8,000	$8,000
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$21,500	$21,500

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: A Park for Downtown Harrisonburg
Project Code: P&R 2026
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** Beyond
Department: 910771 **Status:** Active **Completion Date (FYE):** Beyond

Description:

An urban park for downtown Harrisonburg to be constructed on existing City property located behind City Hall.

Explanation:

The City and Build our Park Board are working cooperatively to determine park boundaries and design. Concepts will be discussed upon completion of the Downtown Master Plan.

Alternative:

Do nothing.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
x-New service
Convenience
Other

Goals and Objectives

G 3
O 3.1
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O 12.1
O 12.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses							$1,000,000	$1,000,000
Total	$0	$0	$0	$0	$0	$0	$1,000,000	$1,000,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue							$1,000,000	$1,000,000
Total	$0	$0	$0	$0	$0	$0	$1,000,000	$1,000,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Smithland Athletic Complex Development

Project Code: P&R 2023

Project Priority: Priority 3 **Project Type:** DEVELOPMENT **Start Date (FYE):** 2026

Department: 910771 **Status:** Active **Completion Date (FYE):** Ongoing

Description:

The Comprehensive Master Plan for Parks and Recreation completed in 2003 recommends that the Smithland Road Property include various program elements and that athletic facilities serving primarily soccer, baseball, and softball be the emphasis of the park. This request is for construction funds for additional playing fields, complimentary features and construction of basic infrastructure for continued development in the future.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
x-Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Construction of additional fields, restroom and maintenance facility.

Alternative:

Continue to maintain fields with declining turf cover.

Goals and Objectives

G 12
O 12.1
O 12.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction							$735,000	$735,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$735,000	$735,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$735,000	$735,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$735,000	$735,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel							$20,000	$20,000
Operating							$30,000	$30,000
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$50,000	$50,000

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Elizabeth Street Deck
Project Code: DP20071
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** Beyond
Department: 810921 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Replace Elizabeth Street Parking Deck with a minimum 500 space facility and to consider multi-use structure.

Explanation:

Elizabeth Street Parking Deck is approximately 40 years old and nearing the end of its useful service life.

Alternative:

Continue utilizing general fund revenue to maintain existing Elizabeth Street Deck.

Consider replacement as part of a PPEA or public private partnership opportunity.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
x-Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

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O 18.1
O 18.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$1,000,000	$1,000,000
Land								$0
Construction							$6,500,000	$6,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$7,500,000	$7,500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds							$7,500,000	$7,500,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$7,500,000	$7,500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Downtown Parking Deck
Project Code: DP20073
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** Beyond
Department: 810921 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Replace Water Street Parking Deck with a minimum 500 space facility and to consider multi-use structure.

Explanation:

Water Street Parking Deck is approximately 40 years old and nearing the end of its useful service life.

Alternative:

Continue utilizing general fund revenue to maintain existing Water Street Deck.

Consider replacement as part of a PPEA or public private partnership opportunity.

Consider alternative locations to replace the Water Street Parking Deck.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
x-Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 18
O 18.1
O 18.2

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning							$1,000,000	$1,000,000
Land								$0
Construction							$7,500,000	$7,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$8,500,000	$8,500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds							$8,500,000	$8,500,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$8,500,000	$8,500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Upgrade HVAC Controls Stone Spring Elementary School
Project Code: 121
Project Priority: Priority 2 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2024
Department: 1311 **Status:** Active **Completion Date (FYE):** 2024

Description:

Upgrade HVAC Controls at Stone Spring Elementary School.

Explanation:

HVAC front end controls are outdated. Access by HVAC technician is limited.

Alternative:

Contain to maintain HVAC controls. Repair as needed.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment					$53,000			$53,000
Other Expenses								$0
Total	$0	$0	$0	$0	$53,000	$0	$0	$53,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue					$53,000			$53,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$53,000	$0	$0	$53,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Storefront Door Replacement at SMES/SKMS
Project Code: 221
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2026
Department: 1311 **Status:** Active **Completion Date (FYE):** 2026

Description:

Replace storefront doors at Skyline Middle School and Smithland Elementary School.

Explanation:

Exterior doors at SKMS/SMES will need to be replaced due to their advanced rate of decline.

Alternative:

Continue to maintain and repair doors as needed

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment							$102,000	$102,000
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$102,000	$102,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$102,000	$102,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$102,000	$102,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Chiller Replacement at HHS
Project Code: 321
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** Beyond
Department: 1311 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Replace chiller at Harrisonburg High School

Explanation:

Chiller will be at the end of its life cycle.

Alternative:

Continue to maintain and repair chiller as needed.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment							$300,000	$300,000
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$300,000	$300,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue							$300,000	$300,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$300,000	$300,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Renovation/Remodel of THMS
Project Code: 421
Project Priority: Priority 2 **Project Type:** ADDITION & RENOVATION **Start Date (FYE):** 2025
Department: 1311 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Renovate Thomas Harrison Middle School

Explanation:

Renovate and remodel Thomas Harrison Middle School to improve educational spaces.

Alternative:

None.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction						$2,500,000	$2,500,000	$5,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$2,500,000	$2,500,000	$5,000,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds						$2,500,000	$2,500,000	$5,000,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$2,500,000	$2,500,000	$5,000,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Boiler Replacement at SSES
Project Code: 521
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2022
Department: 1311 **Status:** Active **Completion Date (FYE):** 2022

Description:

Replace outdated boiler at Stone Spring Elementary School

Explanation:

The original boiler is reaching the end of its life cycle (16 years old).

Alternative:

Continue to maintain and repair boilers as needed.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$75,000					$75,000
Other Expenses								$0
Total	$0	$0	$75,000	$0	$0	$0	$0	$75,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$75,000					$75,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$75,000	$0	$0	$0	$0	$75,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Air Handler Replacement at SES/WES/KES
Project Code: 621
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** 2024
Department: 1311 **Status:** Active **Completion Date (FYE):** 2024

Description:

Replace air handlers at Spotswood, Waterman and Keister Elementary Schools

Explanation:

These are the original air handlers.

Alternative:

Continue to maintain and repair as needed.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment					$685,000			$685,000
Other Expenses								$0
Total	$0	$0	$0	$0	$685,000	$0	$0	$685,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue					$685,000			$685,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$685,000	$0	$0	$685,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Chiller Replacement at Stone Spring Elementary School
Project Code: 721
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2022
Department: 1311 **Status:** Active **Completion Date (FYE):** 2022

Description:

Replace chiller at Stone Spring Elementary School.

Explanation:

Replace original chiller at Stone Spring Elementary School (2).

Alternative:

Maintain and repair as needed.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$185,000					$185,000
Other Expenses								$0
Total	$0	$0	$185,000	$0	$0	$0	$0	$185,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$185,000					$185,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$185,000	$0	$0	$0	$0	$185,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Replace Roof Seections at THMS
Project Code: 821
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2021
Department: 1311 **Status:** Active **Completion Date (FYE):** 2021

Description:

Replace roof sections at Thomas Harrison Middle School.

Explanation:

This is the original roof dating from 1989.

Alternative:

Make repairs as needed.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$50,000						$50,000
Other Expenses								$0
Total	$0	$50,000	$0	$0	$0	$0	$0	$50,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$50,000						$50,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$0	$0	$0	$0	$0	$50,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Resurface THMS Parking Lot and Road
Project Code: 921
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** 2024
Department: 1311 **Status:** Active **Completion Date (FYE):** 2024

Description:

Resurface THMS road and parking areas.

Explanation:

The asphalt entering the school as well as the parking lots are breaking down and cracking.

Alternative:

Continue to fill cracks in pavement and maintain existing asphalt.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction					$91,000			$91,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$91,000	$0	$0	$91,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue					$91,000			$91,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$91,000	$0	$0	$91,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Purchase Land for 7th Elementary School
Project Code: 1021
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2024
Department: 1311 **Status:** Active **Completion Date (FYE):** 2024

Description:

Purchase land for a 7th Elementary School.

Explanation:

With anticipated enrollment growth, a 7th Elementary School will need to be constructed.

Alternative:

None.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land					$2,500,000			$2,500,000
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$2,500,000	$0	$0	$2,500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds					$2,500,000			$2,500,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$2,500,000	$0	$0	$2,500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Tennis Court Replacement at HHS
Project Code: 1121
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2024
Department: 1311 **Status:** Active **Completion Date (FYE):** 2024

Description:

Replace tennis courts at Harrisonburg High School.

Explanation:

The subsurface of the tennis courts has failed to cause the courts to crack and sink.

Alternative:

Continue to maintain and repair as needed.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction					$350,000			$350,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$350,000	$0	$0	$350,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue					$350,000			$350,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$350,000	$0	$0	$350,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Roof Replacement/Repairs at SES/WES
Project Code: 1221
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2025
Department: 1311 **Status:** Active **Completion Date (FYE):** 2025

Description:

Roof repairs/replacement(s) at Spotswood and Waterman Elementary Schools

Explanation:

The roofs at Spotswood Elementary School and Waterman Elementary School are approaching the end of their useful lives.

Alternative:

Continue to maintain and repair as needed.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction						$200,000		$200,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$200,000	$0	$200,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue						$200,000		$200,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$200,000	$0	$200,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Enhancements to Harrisonburg High School
Project Code: 1321
Project Priority: Priority 2 **Project Type:** RENOVATION **Start Date (FYE):** 2022
Department: 1311 **Status:** Active **Completion Date (FYE):** 2023

Description:

Enhancements to Harrisonburg High School. Renovation to 4 classrooms to install a dance classroom/studio, stage lab, and dressing room.

Explanation:

The Fine Arts Department has grown a great deal. These enhancements will create spaces to accommodate more students and more programming.

Alternative:

Continue as currently operating.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 7

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction			$250,000	$250,000				$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$250,000	$250,000	$0	$0	$0	$500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue			$250,000	$250,000				$500,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$250,000	$250,000	$0	$0	$0	$500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: WESTERN RAW WATERLINE (910161-48621)
Project Code: proj202
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 1995
Department: 2011 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Project 48261, as pertains to the Dry River system, targets to maximize use of the City's priority water source while also enhancing risk management, electrical energy management and asset management for the adjacent potable water system in the Route 33 West corridor. Project 48261, as pertains to the North River system targets to retain the use of this water source with continued 20" pipeline condition assessments/rehabilitation and River Pump Station intake improvements.These assets are operated and maintained under budget 332061.

CARV (Western Raw Assets): $33,419,055
20 Year CARV: $623,098 (2%)
Adjusted ACSO per year (level funding at 2.5% APR): $31,151
Depreciated Asset Value (Western Raw Assets): $11,189,485 (33%)
Current ENR Value: 11,293

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
x-Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 14
O 14.1

Explanation:

Program 48261 will complete the construction of a new larger 30" pipe from the City Dry River intake to the Water Treatment Plant. There will be no retirement of existing raw water assets as the existing 16" raw water pipe assets will be simultaneously converted to use in delivering potable water; older existing potable water pipe assets will be retired instead. The 30" pipe from Bellview Road to VPGA, risk mitigations, DRI intake screening requirements from VWWP, intake improvements, and Dry River Dam Rehabilitation & lower water access bridge will be constructed using proceeds from a bond sale ($10.23M) issued in FY2025. Remaining 30" pipe construction ($8.44M) from VPGA to Coopers Mountain will be programmed later pending condition assessment of both raw and potable water pipe.

Anticipated year expenses are summarized as follows:
2021: $142,900 Asset Replacements; $42,393 Dry River Stream Stabilization; $100,000 NR 20" & West 16" Condition Assessments; $35,000 Easement Aquisitions (Bellview to VPGA)
2022: $129,073 Asset Replacements; $100,000 NR 20" & West 16" Condition Assessments; $35,000 Easement Aquisitions (Bellview to VPGA)
2023: $100,000 North River 20" & Western 16" Condition Assessments; $35,000 Easement Aquisitions (Bellview to VPGA)
2024: $100,000 North River 20" & Western 16" Condition Assessments; $35,000 Easement Aquisitions (Bellview to VPGA)
2025: $149,260 #197 Dry River Dam Repair; $90,000 Dry River Low Water Bridge; $100,000 NR 20" & West 16" Condition Assessments; #508 VWWP Compliance Screens ($962,103 PDPS Shen. R; $2,212,837 NRPS & $1,635,575 RR Intake); $1,000,000 Mt. View to WTP Pipeline Risk Reduction; $2,326,425 #489 Western Raw Water Line (Bellview to VPGA).

Future scheduling will be programmed pursuant to asset management risk, lifecycle analysis and condition assessments.

Alternative:

Limited oppurtunity to change project scope but schedule can be altered with acceptance of risk. Screens at source intakes are mandated by VWWP 16-0730 (Alternaives to be negotiated)

Expenditures:

	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$676,780							$676,780

Land	$338,390							$338,390
Construction	$5,752,628	$66,155	$66,155	$66,155	$66,155	$10,259,930	$8,910,324	$25,187,502
Equipment								$0
Other Expenses								$0
Total	$6,767,798	$66,155	$66,155	$66,155	$66,155	$10,259,930	$8,910,324	$26,202,672

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$6,767,880	$66,151	$66,151	$66,151	$66,151	$31,151	$467,262	$7,530,897
Bond Proceeds						$10,228,775	$8,443,000	$18,671,775
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$6,767,880	$66,151	$66,151	$66,151	$66,151	$10,259,926	$8,910,262	$26,202,672

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: EASTERN SOURCE DEVELOPMENT (910161-48654)
Project Code: proj203
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 1999
Department: 2011 **Status:** Active **Completion Date (FYE):** 2022

Description:

Project 256 (Fund Code: 48654) includes constructing the intake, two pump stations, and 89,556 feet of pipe to convey raw water from the South Fork of the Shenandoah River to the City's Water Treatment Plant at Grand View Drive. Project was selected from various alternatives by City Council in 1999. Supporting documentation included "Raw Water Supply Study of Western Sources for Harrisonburg" dated April 8, 1992, "Raw Water Study South Fork Shenandoah River" dated July 1997, "Raw Waterline Route Study South Fork Shenandaoh River to Water Treatment Plant" dated November 18, 1999, "Study for Waterline Crossing of I-81" dated October 2004, and “South Fork Intake and Goods Mill Pump Station PER" dated January 2017. As an alternative option, groundwater evaluation studies were completed in 1992, 1997, 1999, and 2001.
Assets for this project are operated and maintained under budget 332061.

Justifications:

Mandated
Remove hazards
x-Maintains service
Increase efficiency
x-Increase revenues
Improves service
x-New service
x-Convenience
x-Other

Goals and Objectives

G 14
O 14.1

Explanation:

This project is partially completed.

Forecasts for completed work for this project by the end of FY2020 include a total of 42,810 feet of pipe line from Port Republic Road/Spader's Church Road to the City Water Treatment Plant on Grandview Drive. In addition, Phases 1 and 2 of 3 phases of the Power Dam Pump Station have been completed and Phase 1 of 2 phases of Goods Mill Pump Station has been completed.

Remaining funding is through borrow of $15,049,358 in FY2020. Expenses shown below include planning, design, land acquisition, easements,construction, inspection and construction administration. Ancillary work has included permitting and renewals, legal compliances,study of alternatives, environmental studies of the South Fork Shenandoah River fish habitat and water quality analysis.

Alternative:

Reevaluate project under differing goals
Reevaluate project under partnership arrangements

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$2,058,080							$2,058,080
Land	$650,627							$650,627
Construction	$15,008,766	$9,900,971	$9,900,972					$34,810,709
Equipment								$0
Other Expenses	$992,309	$191,223	$191,223					$1,374,755
Total	$18,709,782	$10,092,194	$10,092,195	$0	$0	$0	$0	$38,894,171

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$14,156,198							$14,156,198
Bond Proceeds	$24,669,358							$24,669,358
Grants	$68,615							$68,615
Capital Project Fund								$0
Other Revenue								$0
Total	$38,894,171	$0	$0	$0	$0	$0	$0	$38,894,171

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0

Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Rural Potable Projects (910161-48670)
Project Code: proj213
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2008
Department: 2011 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

The HPU has performed Level 1 forecasts (MASL) to estimate the remaining useful life of the 10", 12" and 16" watermains in the Route 33 West Corridor. These forecasts show that the 10" is at or near the end of its useful life, the 12" is within 5 years and the 16" may have as much as 30 years remaining service. The HPU is prepared to address this through a combination of replacement, rehabilitation and repurposing of assets. The code associates with rural water assets operated and maintained under budget code 332061.

CARV (Rural Assets): $17,232,378
20 Year CARV: $8,227,064 (48%)
Adjusted ACSO per year (level funding at 2.5%): $447,328
Depreciated Asset Value (Rural Assets): $4,843,784 (28%)
Current ENR Value: 11,293

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 14
O 14.1

Explanation:

Short Term Project:
This project is the conversion of the 12" pipe from VPGC to CMT. Adding the 12" pipe in parallel with the existing 10" reduces the COF and thus the risk of failure in this section by adding reducndancy to the system. This conversion cost is estimated at $50,000 and was begun in FY 2020.

Intermediate Projects:
The first intermediate project is the conversion of the existing 16" raw pipe to finished water transmission between Bellview Road and the VPGC in Hinton. The proect is contingent upon the completion of the parallel 30" raw waterline in this route. The conversion cost is minimal at $5,000 in FY 2021.

The second intermediate project is the construction of a new 8" distribution main in the CMZ. The total project cost is estimated at $1,850,000. This project will be cash funded beginning in FY 2018 at $200,000 with construction scheduled to begin in FY 2021.

Long Term Project:
With the completion of the 30" raw waterline, the existing 16" waterline can be converted to finished water service between VPGC and CMT. The conversion cost is minor, estimated at $5,000 in FY 2038. An additional $100,000 will be required for the conversion of the water servcies from the 10" to the 16" to allow the abandonment of the existing 10" line.

Study and Replacement of Waterlines:
Throughout the 5 year planning period, the HPU will continue to perform contracted condition assessments of the existing pipe network. This condition assessment is intended to validate assumed remaining useful life, verify the value in repurposing pipelines and confirming schedules. An estimated $50,000 per year is requested for this condition assessment.

Alternative:

Limited opportunity to change project scope but schedule can be altered with acceptance of risk and deteriorating level of service.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$50,000	$50,000	$50,000	$50,000	$50,000	$100,000	$350,000
Land								$0
Construction	$868,920	$205,000	$200,000	$200,000	$200,000	$200,000	$7,747,645	$9,621,565
Equipment								$0
Other Expenses								$0
Total	$868,920	$255,000	$250,000	$250,000	$250,000	$250,000	$7,847,645	$9,971,565

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$1,025,000	$447,328	$447,328	$447,328	$447,328	$447,328	$6,709,925	$9,971,565
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$1,025,000	$447,328	$447,328	$447,328	$447,328	$447,328	$6,709,925	$9,971,565

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Management of Transmission & Distribution: Assets (48732)

Project Code: proj215A

Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2013

Department: 2011 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Capital Program 48732 associates with assets that are operated and maintained under budget 332061 but excluding assets to deliver raw water and potable water to rural customers. Capital funds will allow water system to be upgraded, enhanced, expanded, and revitalized through planned management of component assets such as mains (which includes stop valves), hydrants and air valves. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses. This capital program makes resources available such to allow the Department of Public Utilities to preplan the retirement of assets at the optimum replacement stage in their lifecycle and to upsize existing mains or install new lines to enhance delivery.

Current Asset Replacement Value: $117,695,895
20 Year CARV: $28,895,462 (25%)
Adjusted ACSO per year (level funding at 2.5% APR): $1,813,888
Depreciated Asset Value: $65,350,990 (56%)
Current ENR Value: 11,293

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
x-Other

Goals and Objectives

G 14
O 14.1

Explanation:

Study and Replacement of Waterlines:
Many of the public water distribution assets are reaching the end of their anticipated service life. Based on age and limited break analysis, waterline totaling a replacement cost of $5,727,740 are due for replacement between 2021 and 2025 and an additional $30,105,866 are due between 2026 and 2041. Rather than a wholesale replacement, a $440,000 minimal per year is requested for the detailed condition assessment of existing distribution piping and replacement of selected projects.

Undersized Mains with Fire Hydrants:
The Public Utilities has identified several streets with undersized waterlines serving Fire Hydrants. Identification and project planning are scheduled for FY2021 through FY2025. The project is estimated to expend $130,000 each of the 5 years for a total of $650,000.

Replacement of Air Release Valves:
HPU maintains an inventory of 177 air release valves within the City, each with an average life expectancy of 50 years. An estimated $129,650 will be required over the next 20 years. Funding is requested at $10,000 per year for FY2021 through FY2033.

Replacement of Obsolete Fire Hydrants:
The project includes the replacement of 110 Dresser, 3 M&H and 234 Matthews fire hydrants, which are obsolete and have become more expensive to repair than replace. This project will replace up to $20,000 of the old fire hydrants per year.

Alternative:

None.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0

Construction	$2,601,415	$752,977	$500,000	$500,000	$500,000	$500,000	$33,527,753	$38,882,145
Equipment								$0
Other Expenses								$0
Total	$2,601,415	$752,977	$500,000	$500,000	$500,000	$500,000	$33,527,753	$38,882,145

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$2,604,392	$750,000	$500,000	$500,000	$500,000	$500,000	$33,527,753	$38,882,145
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$2,604,392	$750,000	$500,000	$500,000	$500,000	$500,000	$33,527,753	$38,882,145

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Management of Pumping, Storage & Transfer Assets (910161-48688)
Project Code: proj216
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2012
Department: 2011 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Project 48688 provides funding to manage water system assets that are integral to the City of Harrisonburg water system. These specific assets are operated and maintained under the organization and budget division for pumping and storage functions (322061).

CARV (Pump and Storage Assets): $25,742,275
20 Year CARV: $2,685,244 (10%)
Adjusted ACSO per year (level funding at 2.5% APR): $160,913
Depreciated Asset Value (Pump and Storage Assets): $17,482,597 (68%)
Current ENR Value: 11,293

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 14
O 14.1

Explanation:

Existing system assets will be retired , upgraded or added through planned management of components (pumps, tanks, control valves, and instrumentation). Parameters and strategies include useful life projections, condition assessments and life cycle analysis of assets. Condition assessments include a formal Tank Maintenance driven by evaluations from professional inspectors. This program makes resources available to allow the Department of Public Utilities to remain current with new technology and products and to also preplan the retirement of assets in the optimum stage in their life cycle.

Asset Replacement Methodology:
Level 1: Retirement date established by age only
Level 2: Retirement date established by Age and Qualitative Condition Assessment
Level 3: Retirement date established by Age and Quantitative Condition Assessment

Projected Yearly Asset Expenses:
Asset replacement funding based on Level 1 condition assessment, over the next 5 years @ $700,000/year for 2021-2025 and $4,528,357 for 15 years beyond.

Project Expenses:

2021: $810,370 for Potential Asset Replacement; $10,000 for WST PER

2022: $400,000 for Smithland Road Pump Station Upgrades

2023: $58,961 for Potential Asset Replacement; $20,000 Tank Inspections; $25,000 for 452 - Tank Maintenance Plan Update; $185,000 Smithland Road Pump Upgrade

2024: $20,000 Tank Inspections; $25,000 for 452 - Tank Maintenance Plan Update; $700,000 for Smithland Road Tank

2025: $165,770 Potential Asset Replacement; $20,000 Tank Inspections; $700,000 Smithland Road Tank

Beyond: (15 years) $4,891,556

Alternative:

Reactive approach; Schedule can be altered with acceptance risk.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$246,125							$246,125
Land	$123,062							$123,062
Construction	$2,092,060	$161,078	$161,078	$161,078	$161,078	$161,078	$2,416,167	$5,313,617
Equipment								$0
Other Expenses								$0
Total	$2,461,247	$161,078	$161,078	$161,078	$161,078	$161,078	$2,416,167	$5,682,804

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$2,464,547	$160,913	$160,913	$160,913	$160,913	$160,913	$2,413,692	$5,682,804
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$2,464,547	$160,913	$160,913	$160,913	$160,913	$160,913	$2,413,692	$5,682,804

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Management of Metering System (910161 48734)
Project Code: proj217
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2013
Department: 2011 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Project 48734 provides funding with purpose to maintain water/sewer customer metering infrastructure through rehab and replacement (R&R) practices for asset management. Assets that are specific to this program are Small Meters,Large Meters, and Meter Reading Communication Units.

CIP format is by asset management with purpose to replace meters before their condition incurs significant reduction to revenue. Acceptable accuracy is defined by AWWA and Cost to Benefit Analysis Replacement Strategy is to advance from Level 1 to Level 3 through progressive improvement as follows:
Level 1: Replacement of meters by age;
Level 2: Replacement of meters by industry standard benchmarks for pass through consumption;
Level 3: Replacement of meters by Harrisonburg system specific benchmarks for pass through consumption

CARV (Metering Assets): $2,928,806
20 Year CARV: $995,387 (34%)
Adjusted ACSO per year (level funding at 2.5% APR): $57,266
Depreciated Asset Value (Metering Assets): $2,167,570 (74%)
Current ENR Value: 11,293

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
x-Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

G 14
O 14.1

Explanation:

Small meter evaluation does not allow for individual testing; schedule is generated at Level 2 assessment. Life Cycle criteria and replacement benchmarks as follows:
5/8" meters @ 3 Million gallons
1" meters @ 6 Million gallons
1.5" meters @ 14 Million gallons

Field testing of selected meters will be performed to further determine in-situ benchmarks to replace industry standard benchmarks. Estimated at $6,165/year over 20 yr.

Large meters are tested for accuracy in the field by predetermined schedule and then replaced accordingly. Current Level 1 expense schedule (Project #451) are an estimate as historic data is invalid for use. Past repair practices are no longer available post 2015 as spare parts are no longer available; practice moves to full meter replacements. Estimated at $52,632/year over 20 yr.

AMR/AMI - Meter reading conversion from touch read to AMR(Radio) and AMI(Fixed) technology began in 1999 and is continuing today. Recent 2018 estimate from Mueller MI.net Proposal = $2,918,662.50 divided by a 10 year schedule = $291,866.25 per year. All costs to be adopted from an RFP(in progress) for a masterplan to convert 100% AMI by 2030.

Alternative:

Accept the risk of meter failures and lost revenue.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0

Construction								$0
Equipment	$1,343,475	$351,178	$351,178	$351,178	$351,178	$351,178	$2,349,004	$5,448,369
Other Expenses								$0
Total	$1,343,475	$351,178	$351,178	$351,178	$351,178	$351,178	$2,349,004	$5,448,369

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$1,384,393	$349,132	$349,132	$349,132	$349,132	$349,132	$2,318,316	$5,448,369
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$1,384,393	$349,132	$349,132	$349,132	$349,132	$349,132	$2,318,316	$5,448,369

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Management of Water Treatment Assets (910161 48733)
Project Code: proj218
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2013
Department: 2011 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Capital program associates with assets that are operated and maintained under budget 362061 for water treatment. Capital funds will allow water system to be upgraded, enhanced, expanded and revitalized through planned management of component assets. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses. This capital program makes resources available such to allow the Department of Public Utilities to preplan the retirement of assets at the optimum replacement stage in their lifecycle.

CARV (WTP Assets): $21,013,022
20 Year CARV: $1,546,816 (7%)
Adjust ACSO per year (level funding at 2.5% APR): $69,249
Depreciated Asset Value: $12,570,318 (60%)
Current ENR Value: 11,293

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 14
O 14.1

Explanation:

The following asset replacements through FY2025 based on Level 1 condition assessment; replacement costs are based on ENR adjustments. Level funding of $235,000 per year

2021: Potential Asset Replacements:$120,862.00; Electrical:$10,000.00; HVAC:$15,000.00; Instrumentation:$13,000.00; Pumps:$39,862.00; SCADA:$43,000.00

2022: $0.00
2023: $0.00

2024: Actuators: $227,826.00; Electrical: $131,908.00; Equipment: $394.00; Media: $301,182.00; Pumps: $71,661.00; Structural: $29,483.00

2025:Tanks (2 clearwells, 1 sludge tank): $ 20,000.00

Beyond: Anticipate additional $723,500.00 Expenditures

Alternative:

None.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment	$629,023	$77,341	$77,341	$77,341	$77,341	$77,341	$1,160,112	$2,175,840
Other Expenses								$0
Total	$629,023	$77,341	$77,341	$77,341	$77,341	$77,341	$1,160,112	$2,175,840

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$790,863	$69,249	$69,249	$69,249	$69,249	$69,249	$1,038,732	$2,175,840
Bond Proceeds								$0

Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$790,863	$69,249	$69,249	$69,249	$69,249	$69,249	$1,038,732	$2,175,840

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Facilities (910161-48757)
Project Code: proj211
Project Priority: Priority 2 **Project Type:** ADDITION & RENOVATION **Start Date (FYE):** 2009
Department: 2011 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Program 48757 also emphasizes expansion and lifecycle repair / replacement for various buildings and grounds assets belonging to the Public Utilities inventory. This includes, but is not limited to, building furnaces and AC units, roof, vehicular gate operator and parking lot. Projects also include expansion of the existing WOC building facilities in FY2020.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
Improves service
New service
x-Convenience
x-Other

Goals and Objectives

G 14
O 14.1

Explanation:

Funding shall target to replace itemized assets per Level 1 retirement plus $55,356 to establish a Reserve Balance at 2% of current asset replacement value (CARV 2019).

CARV.....:.....$ 2,767,797
(VML Value with $317,109 itemized assets contents only)
20 Year CARV:.....N/A
Adjusted ACSO per year (level funding at 2.5% APR):....$ 13,526
Depreciated Asset Value:.....$ 136,726 contents only (43%)
Current ENR Value:.....11,293

Funding split with companion sewer fund

Additional project expenses include:
* Continued Building Expansion = $300,000
* Truck Wash Station = $15,000

All expenses to be shared between Water and Sewer funding codes.

Alternative:

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction	$44,835	$145,026	$0	$0	$0	$0	$76,895	$266,756
Equipment								$0
Other Expenses								$0
Total	$44,835	$145,026	$0	$0	$0	$0	$76,895	$266,756

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$115,000	$23,257	$6,763	$6,763	$6,763	$6,763	$101,447	$266,756
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$115,000	$23,257	$6,763	$6,763	$6,763	$6,763	$101,447	$266,756

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0

Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: BLACKS RUN INTERCEPTOR UPGRADE PROG (911161-48641)
Project Code: sew203
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 1991
Department: 2012 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Project 48641 does not yet provide continued readjustment of retirement schedule to upgrade infrastructure of the City sanitary sewer collection system following recommendations from the Interceptor Sewer Evaluation Study for the City of Harrisonburg, VA by Wiley & Wilson 1989, a successor interceptor ILOS study to be completed in 2020, and the City Sanitary Sewer Management Plan (SSMP). Assets target for this program are operated and maintained under budget code 432061.

CARV:.....$ 14,414,935
20 Year CARV:.....$ 6,772,850 (47%)
Adjusted ACSO per year (level funding at 2.5% APR):..$ 300,780
Depreciated Asset Value:.....$ 5,398,339 (37%)
Current ENR Value:.....11,293

Justifications:

Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
x-Increase revenues
x-Improves service
x-New service
Convenience
Other

Goals and Objectives

G 14
O 14.2

Explanation:

Immediate projects of priority include:

1)CIP # 385 Country Club Road $900,000 @ $300/ft

2)CIP # 282 Wolf To Water Interceptor Upgrade $600,000 @ $300/ft

Alternative:

Reactive Approach

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$509,435							$509,435
Land	$254,717							$254,717
Construction	$4,330,196	$374,372	$374,372	$374,372	$374,372	$374,372	$5,615,585	$11,817,641
Equipment								$0
Other Expenses								$0
Total	$5,094,348	$374,372	$374,372	$374,372	$374,372	$374,372	$5,615,585	$12,581,793

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$6,566,191	$300,780	$300,780	$300,780	$300,780	$300,780	$4,511,702	$12,581,793
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$6,566,191	$300,780	$300,780	$300,780	$300,780	$300,780	$4,511,702	$12,581,793

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0

Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Management of Collection & Transmission Assets (911161 48735)
Project Code: sew211
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2013
Department: 2012 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling (LTFM) strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Program 48735 also provides funding to manage assets that are integral to the City of Harrisonburg sanitary sewer system. These specific assets are operated and maintained under the organization and budget division for collection & transmission functions (432061). Existing systems will be upgraded, enhanced, expanded, and revitalized through planned management of component assets as mains and manholes. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses of assets. Also included is specific emphasis to abating infiltration and inflow.

CARV:.....$ 84,551,880
20 Year CARV:.....$ 28,354,778 (34%)
Adjusted ACSO per year (level funding at 2.5% APR):..$ 1,535,322
Depreciated Asset Value:.....$ 35,328,349 (42%)
Current ENR Value:.....11,293

Justifications:

Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
x-Other

Goals and Objectives

G 14
O 14.2

Explanation:

Capital program has been organized to meet the goals of the Harrisonburg Public Utilities(HPU) Sanitary Sewer Management Plan(SSMP) with specific reference to Asset Retirement and I&I Abatement; no expansion is required. Current rates do not support target ASCO so to match LTFM Strategy, funding requirement is $600,000 for year 2021 and increases by $100,000 until 2031. In year 2031 funding is leveled at $2,020,644 per year until 2040

Alternative:

Reactive Approach

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$185,508							$185,508
Land	$92,754							$92,754
Construction	$1,576,821	$600,000	$700,000	$800,000	$900,000	$1,000,000	$28,183,662	$33,760,483
Equipment								$0
Other Expenses								$0
Total	$1,855,083	$600,000	$700,000	$800,000	$900,000	$1,000,000	$28,183,662	$34,038,745

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$3,332,309	$600,000	$700,000	$800,000	$900,000	$1,000,000	$26,706,436	$34,038,745
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$3,332,309	$600,000	$700,000	$800,000	$900,000	$1,000,000	$26,706,436	$34,038,745

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0

Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Management of Transfer & Monitoring Assets (911161 48736)
Project Code: sew212
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2013
Department: 2012 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling (LTFM) strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Program 48736 also provides funding to manage assets that are integral to the City of Harrisonburg Sanitary Sewer System. These specific assets (pumps, SCADA, etc.) are operated and maintained under the organization and budget division for transfer functions (462061). Existing systems will be upgraded, enhanced, expanded, and revitalized through planned management of component assets as pumps and instrumentation. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses of assets.

CARV:.....$ 1,573,855
20 Year CARV:.....$ 872,717 (55%)
Adjusted ACSO per year (level funding at 2.5% APR):..$ 44,201
(Increased to $50,000 per year to include expansion)
Depreciated Asset Value:.....$ 803,763 (51%)
Current ENR Value:.....11,293

Justifications:

Mandated
x-Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
Improves service
New service
Convenience
x-Other

Goals and Objectives

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Explanation:

Anticipate replacing assets based on a life cycle analysis with a level 1 accuracy (Retirement based on age and manufacturers estimated life only); This analysis shows the following priorities:

1): $89,530 - Asset Replacements; $107,378- SRPS Godwin Emergency Pump Upgrade

Funding matches ACSO requirements.

Alternative:

Reactive Approach

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$23,000							$23,000
Land								$0
Construction	$113,681	$164,788	$57,410	$57,410	$57,410	$57,410	$861,157	$1,369,266
Equipment	$113,681							$113,681
Other Expenses								$0
Total	$250,362	$164,788	$57,410	$57,410	$57,410	$57,410	$861,157	$1,505,947

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$621,922	$44,201	$44,201	$44,201	$44,201	$44,201	$663,020	$1,505,947
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$621,922	$44,201	$44,201	$44,201	$44,201	$44,201	$663,020	$1,505,947

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total

Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Facilities (911161-48757)
Project Code: sew210
Project Priority: Priority 2 **Project Type:** ADDITION & RENOVATION **Start Date (FYE):** 2009
Department: 2012 **Status:** Active **Completion Date (FYE):** 2040

Description:

The code will be funded to replace all assets scheduled for retirement in the 20 year horizon. The annual appropriations are desired to match the adjusted Annual Cost of Sustainable Ownership, ACSO shown below. CIP appropriation and expenditure schedules have been adjusted to reflect the Department's Long Term Financial Modeling strategy. The strategy balances debt, expenses, rate increases and other factors. The funds will be expended from the code as required to maintain both a high level of service and maintain a positive balance in the code, preferably above 2% of the Current Asset Replacement Value, CARV.

Program 48757 also emphasizes expansion and lifecycle repair / replacement for various buildings and grounds assets belonging to the Public Utilities inventory. This includes, but is not limited to, building furnaces and AC units, roof, vehicular gate operator and parking lot. Projects also include expansion of the existing WOC building facilities in FY2020.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
Improves service
New service
x-Convenience
x-Other

Goals and Objectives

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Explanation:

Funding shall target to replace itemized assets per Level 1 retirement plus $55,356 to establish a Reserve Balance at 2% of current asset replacement value (CARV 2019).

CARV.....:.....$ 2,767,797
(VML Value with $317,109 itemized assets contents only)
20 Year CARV:.....N/A
Adjusted ACSO per year (level funding at 2.5% APR):....$ 13,526
Depreciated Asset Value:.....$ 136,726 contents only (43%)
Current ENR Value:.....11,293

Funding split with companion water fund

Additional project expenses include:
* Continued Building Expansion = $300,000
* Truck Wash Station = $15,000

All expenses to be shared between Water and Sewer funding codes.

Alternative:

Leave equipment exposed to the elements.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction	$40,000	$185,105	$6,763	$6,763	$6,763	$6,763	$101,447	$353,604
Equipment								$0
Other Expenses								$0
Total	$40,000	$185,105	$6,763	$6,763	$6,763	$6,763	$101,447	$353,604

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$201,848	$23,257	$6,763	$6,763	$6,763	$6,763	$101,447	$353,604
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$201,848	$23,257	$6,763	$6,763	$6,763	$6,763	$101,447	$353,604

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total

Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: SCHOOL BUSES
Project Code: trans2
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** ONGOING
Department: 622081 **Status:** Active **Completion Date (FYE):** ONGOING

Description:

School buses are recommended to be replaced 10-12 years (150,000 miles). Replacement and expansion buses needed with the construction of the new High School. Exact amount of expansion buses has not been determined yet. Gradual expansion in number of school buses is recommended to mitigate costs to tax payers and ensure timely delivery.

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Federal & State EPA guidelines are becoming stronger to replace buses in 10 to 12 years.Currently the Department has approximately 15 buses that are beyond 12 years.

Goals and Objectives

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Alternative:

Limited to no alternatives with the construction of the new high school. Operating costs will continue to rise taking into consideration current driver shortage.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$525,000	$525,000	$450,000	$450,000	$475,000		$2,425,000
Other Expenses								$0
Total	$0	$525,000	$525,000	$450,000	$450,000	$475,000	$0	$2,425,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$525,000	$525,000	$450,000	$450,000	$475,000		$2,425,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$525,000	$525,000	$450,000	$450,000	$475,000	$0	$2,425,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: School Bus IT
Project Code: Trans 07
Project Priority: Priority 2 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2021
Department: 622081 **Status:** Active **Completion Date (FYE):** 2021

Description:

Install new camera system on School buses. Current camera system is outdated and issues persist with compatibility with newer technology. Video Hard Drives malfunction and its difficult to view and download videos. Camera/Video systems on school buses are used across City Departments e.g. by HDPT, Harrisonburg Police Department (HPD) and Harrisonburg City Public Schools (HCPS) to resolve various school/community issues

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Cameras on buses need to be replaced. Current system is outdated. Issues with hard drives and computer compatibility persist.

Alternative:

Continue using current system.

Goals and Objectives

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O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$195,000						$195,000
Other Expenses								$0
Total	$0	$195,000	$0	$0	$0	$0	$0	$195,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue		$195,000						$195,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$195,000	$0	$0	$0	$0	$0	$195,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: TRANSIT BUSES
Project Code: trans1
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** ONGOING
Department: 812081 **Status:** Active **Completion Date (FYE):** ONGOING

Description:

FY 2021 4 para transits replacements and 3 transit expansion
FY 2022 8 transit replacements 2 expansion
FY 2023 7 transit replacement buses
FY 2024 2 para transit replacements

Justifications:

Mandated
Remove hazards
x-Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Para transit buses will be low floor buses that will have a useful life of 10 years or 150,000 miles.
Transit buses to be replaced have a useful life of 12 years or 500,000 miles, however, the state has put in place a new Capital prioritization process that takes into consideration age and mileage of transit buses to be replaced.

Goals and Objectives

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Alternative:

Cut service. Try to keep old buses running, maintenance costs will continue to rise because of the new State Capital prioritization process. HDPT normally meets the 12 years but hardly ever runs buses to 500,000 miles. Level of service will drop and number of road calls will continue to rise.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$1,790,000	$5,000,000	$3,500,000	$240,000			$10,530,000
Other Expenses								$0
Total	$0	$1,790,000	$5,000,000	$3,500,000	$240,000	$0	$0	$10,530,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue		$71,600	$200,000	$140,000	$9,600			$421,200
Bond Proceeds								$0
Grants		$1,718,400	$4,800,000	$3,360,000	$230,400			$10,108,800
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$1,790,000	$5,000,000	$3,500,000	$240,000	$0	$0	$10,530,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Transit IT
Project Code: Trans 06
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2009
Department: 872081 **Status:** Active **Completion Date (FYE):** Ongoing

Description:

Add AVL, GPS, Voice ennunciators not equipped.

Explanation:

Entire fleet equipped with Avail. Contract stipulation for two additional one year terms for 2020 and 2021.
Continue with Avail and sole source in 2021.
Cameras urgently needed. Current system hard drives fail regularly.

Alternative:

Wait until next year.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

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O 13.1

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$450,000						$450,000
Other Expenses								$0
Total	$0	$450,000	$0	$0	$0	$0	$0	$450,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue		$18,000						$18,000
Bond Proceeds								$0
Grants		$432,000						$432,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$450,000	$0	$0	$0	$0	$0	$450,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: CITY LANDFILL CLOSURE & MONITORING 910142-48681
Project Code: PWSLCBG
Project Priority: Priority 1 **Project Type:** ADDITION **Start Date (FYE):** 2010
Department: 922041 **Status:** Active **Completion Date (FYE):** Ongoing

Description:

Cost of closing, maintenance, and monitoring of landfill per DEQ regulations.

(A) Annual monitoring/testing and engineering costs for gas and groundwater.
(B) Groundwater injections that are outlined in the landfill closure documents.

Justifications:

x-Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Explanation:

DEQ regulations require a program for closing existing landfill and monitoring groundwater and gas generation for 30 year period following DEQ closure approval.

Alternative:

None.

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$115,000	$120,000	$125,000	$130,000	$130,000	$130,000	$750,000
Land								$0
Construction								$0
Equipment								$0
Other Expenses							$1,403,600	$1,403,600
Total	$0	$115,000	$120,000	$125,000	$130,000	$130,000	$1,533,600	$2,153,600

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue		$115,000	$120,000	$125,000	$130,000	$130,000	$1,533,600	$2,153,600
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$115,000	$120,000	$125,000	$130,000	$130,000	$1,533,600	$2,153,600

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Pay As You Throw Conversion
Project Code: PWSSPE1
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2021
Department: 962041 **Status:** Active **Completion Date (FYE):** 2021

Description:

Conversion of current solid waste collection procedures that state each customer may dispose of up to five (5) units per collection. A unit is either a single trash bag or a thirty-five (35) gallon trash can. This project would deploy a standardized trash can to all City customers and customers would only be able to dispose of waste that fits within this standardized trash can.

Justifications:

Mandated
Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Transitioning the City towards a Solid Waste "Pay As You Throw" (PAYT) program is an initiative outlined in the proposed Environmental Action Plan. The PAYT model is where the monthly solid waste collection fee is based on the actual amount of waste disposed of by the City. To begin the transition to this program, standardized bins with radio frequency identification (RFID) technology must be deployed to all City customers. In addition to the new bins, all City collection vehicles would be equipped with load tippers, which would remove the requirement for sanitation employees to manually lift all waste into the trucks.

Goals and Objectives

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O 11.7

Alternative:

Continue current process for solid waste collection billing and collection.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment	$250,000	$250,000						$500,000
Other Expenses								$0
Total	$250,000	$250,000	$0	$0	$0	$0	$0	$500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$250,000	$250,000						$500,000
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$250,000	$250,000	$0	$0	$0	$0	$0	$500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: North End Greenway Stream Restoration
Project Code: PWSWPR06
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2017
Department: 910541 **Status:** Active **Completion Date (FYE):** Beyond

Description:

This project will earn credit towards Chesapeake Bay TMDL requirements of the city's MS4 permit. It will restore a portion of Blacks Run parallel to the proposed North End Greenway shared use path. The project is a PPEA design build. As a part of the PPEA, the City will purchase nutrient credits generated from the stream restoration project. The option will be available to purchase additional credits once the project has been completed.

Justifications:

x-Mandated
x-Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Explanation:

Stream restoration has been shown to provide substantial nitrogen and sediment reductions at favorable cost efficiency when compared to other BMPS.

Alternative:

Pursue other projects, as identified in the Stormwater Improvement Plan.

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses	$1,435,000	$327,611		$327,611	$327,611	$327,611	$657,169	$3,402,613
Total	$1,435,000	$327,611	$0	$327,611	$327,611	$327,611	$657,169	$3,402,613

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$1,435,000	$327,611		$327,611	$327,611	$327,611	$657,169	$3,402,613
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$1,435,000	$327,611	$0	$327,611	$327,611	$327,611	$657,169	$3,402,613

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Thomas Harrison Middle School Retrofit

Project Code: PWSWPR09

Project Priority: Priority 2 **Project Type:** RENOVATION **Start Date (FYE):** Prior

Department: 910541 **Status:** Active **Completion Date (FYE):** 2020

Description:

This project will improve an existing stormwater detention facility and retrofit it into a bioretention facility. The existing facility is overgrown and is not functioning as originally designed.

Explanation:

Bioretention facilities have been shown to provide substantial nitrogen and phosphorus reductions at favorable cost efficiency when compared to other BMPS.

Alternative:

Pursue other projects, as identified in the Stormwater Improvement Plan.

Justifications:

Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$52,025							$52,025
Land								$0
Construction			$456,290					$456,290
Equipment								$0
Other Expenses								$0
Total	$52,025	$0	$456,290	$0	$0	$0	$0	$508,315

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$52,025		$456,290					$508,315
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$52,025	$0	$456,290	$0	$0	$0	$0	$508,315

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: VMRC Extended Detention Pond
Project Code: PWSWPR10
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2020
Department: 910541 **Status:** Active **Completion Date (FYE):** 2022

Description:

An enhanced extended detention pond is proposed within the plot of land directly across from VMRC. This project was identified in the Stormwater Improvement Plan as one that would yield high pollutant removal for Chesapeake Bay TMDL compliance.

Public Works is submitting a grant application in October to assist with the cost of design and construction.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Explanation:

Enhanced extended detention pond facilities have been shown to provide substantial nitrogen and phosphorus reductions at favorable cost efficiency when compared to other BMPS. VMRC has agreed to donate easements to the city to facilitate this project's design, construction, and long-term maintenance.

Goals and Objectives

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Alternative:

Pursue other projects, as identified in the Stormwater Improvement Plan.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$10,000						$10,000
Land								$0
Construction			$637,500					$637,500
Equipment								$0
Other Expenses								$0
Total	$0	$10,000	$637,500	$0	$0	$0	$0	$647,500

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue		$5,000	$318,750					$323,750
Bond Proceeds								$0
Grants		$5,000	$318,750					$323,750
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$10,000	$637,500	$0	$0	$0	$0	$647,500

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Temporary Credit Purchases
Project Code: PWSWPR11
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2023
Department: 910541 **Status:** Active **Completion Date (FYE):** Beyond

Description:

The City has established a contract with HRRSA to begin purchasing annual Nitrogen, Phosphorus, and Sediment credits beginning 2023 to assist with Chesapeake Bay TMDL compliance requirements for the second and third permit cycles. The contract may be renewed for a five year extension after June 30, 2023.

Explanation:

Temporary credits must be purchased annually and do not last year to year like permanent credits or projects. Credit availability through HRRSA is unstable due to HRRSA's similarly changing regulatory requirements. The cost of these nutrients are significantly less than permanent credits.

Alternative:

Pursue projects, permanent credits, and programs as identified in the Stormwater Improvement Plan.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

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O 14.3

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning				$90,000	$90,000	$90,000	$90,000	$360,000
Land								$0
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$90,000	$90,000	$90,000	$90,000	$360,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue				$90,000	$90,000	$90,000	$90,000	$360,000
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$90,000	$90,000	$90,000	$90,000	$360,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Permanent Credit Purchases
Project Code: PWSWPR12
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2020
Department: 910541 **Status:** Active **Completion Date (FYE):** 2024

Description:

The City will select bidders that responded to an Invitation to Bid. Bidders will be selected by those with the lowest cost/lb of Phosphorus and availability of approved credits for sale. The City will have an opportunity annually to purchase permanent credits through these bidders for Nitrogen, Phosphorus, or Sediment. The contract will last for one year prior to renewal.

Explanation:

Permanent credits are managed by "nutrient banks" and may include stream restorations or land conversions within our designated watershed area. The cost per pound is much higher than temporary credits, but last in perpetuity with no maintenance or additional costs after the initial purchase.

Alternative:

Pursue projects, temporary credits, and programs as identified in the Stormwater Improvement Plan.

Justifications:

x-Mandated
Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

G 14
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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses		$177,500	$177,500	$266,250	$266,250	$284,000		$1,171,500
Total	$0	$177,500	$177,500	$266,250	$266,250	$284,000	$0	$1,171,500

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue		$177,500	$177,500	$266,250	$266,250	$284,000		$1,171,500
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$177,500	$177,500	$266,250	$266,250	$284,000	$0	$1,171,500

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: East Market Street Regenerative Stormwater Conveyance
Project Code: PWSWPR13
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Prior
Department: 910541 **Status:** Active **Completion Date (FYE):** 2022

Description:

The City of Harrisonburg Public Works Department seeks to retrofit an existing riprap-lined median with significant erosion concerns into a regenerative stormwater conveyance (RSC) channel within the center median of East Market Street. This regenerative step-pool conveyance channel creates a series of riffles and pools that retain and treat water quality volume by filtering through the underlying engineered soils into a pipe under drain collection system.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Explanation:

This is to assist the City in meeting the Chesapeake Bay and local Special Conditions of the MS4 permit. The contributing drainage area to the proposed RSC channel is approximately 103.8 acres and the median is located on a City entrance corridor that serves approximately 30,000 vehicles per day. The project was designed, approved for SLAF funding, and bid in 2016, but bids were higher than expected.

Goals and Objectives

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Alternative:

Seek other projects.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning	$114,500							$114,500
Land								$0
Construction			$856,500					$856,500
Equipment								$0
Other Expenses								$0
Total	$114,500	$0	$856,500	$0	$0	$0	$0	$971,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue	$114,500		$428,250					$542,750
Bond Proceeds								$0
Grants			$428,250					$428,250
Capital Project Fund								$0
Other Revenue								$0
Total	$114,500	$0	$856,500	$0	$0	$0	$0	$971,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Waterman Drive Drainage and Water Quality Improvement
Project Code: PWSWPR14
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2022
Department: 910541 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Waterman Drive has a history of drainage challenges. A water quality and quantity project was identified in the Stormwater Improvement Plan. After the heavy summer rains, a property owner reached out about frontage improvements in this same project location. Additionally, Public Works has been in contact with property owners along the opposite side of the street. Public Works is interested in pursuing preliminary design and eventual construction for drainage improvements and water quality enhancements along either side of Waterman Drive.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Explanation:

This project could assist the City in meeting the Chesapeake Bay and local Special Conditions of the MS4 permit.

Goals and Objectives

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Alternative:

Pursue water quantity projects along Waterman Drive that do not include water quality components.

Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning			$114,500					$114,500
Land								$0
Construction							$4,025,550	$4,025,550
Equipment								$0
Other Expenses								$0
Total	$0	$0	$114,500	$0	$0	$0	$4,025,550	$4,140,050

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue			$114,500				$4,025,550	$4,140,050
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$114,500	$0	$0	$0	$4,025,550	$4,140,050

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Eastern Mennonite University SWM Facilities

Project Code: PWSWPR15

Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2022

Department: 910541 **Status:** Active **Completion Date (FYE):** Beyond

Description:

The City of Harrisonburg Public Works Department seeks to retrofit two existing stormwater management facilities on the Eastern Mennonite University (EMU) campus. These facilities drain all of EMU's campus as well as neighborhoods uphill from campus. EMU has agreed to donate easements to facilitate the design, construction, and long-term maintenance of these facilities.

Justifications:

Mandated
x-Remove hazards
Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Explanation:

This is to assist the City in meeting the Chesapeake Bay and local Special Conditions of the MS4 permit. One of these projects was identified in the City's Stormwater Improvement Plan.

Alternative:

Seek other projects outlined in the Stormwater Improvement Plan.

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning			$170,000					$170,000
Land			$10,000					$10,000
Construction							$1,000,000	$1,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$180,000	$0	$0	$0	$1,000,000	$1,180,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue			$180,000				$1,000,000	$1,180,000
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$180,000	$0	$0	$0	$1,000,000	$1,180,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: Drainage Improvement Program
Project Code: PWSWPR18
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2021
Department: 910541 **Status:** Active **Completion Date (FYE):** 2024

Description:

The drainage improvement program will establish an application process for neighborhoods to apply for drainage improvement projects that would alleviate drainage concerns on a neighborhood/regional scale. Once applications are reviewed and ranked, funding from the stormwater utility fee and street improvement budgets would pay for design, construction, and maintenance.

Explanation:

Projects that are cost-efficient, yield pollutant removal, and impact the most property owners will be prioritized. Budget, staff, and administrative procedures still need to be established for this program.

Alternative:

Do not offer the drainage improvement program. Continue letting property owners know that identified drainage issues on private property are not and will not be addressed by City staff unless they pose issues to a public roadway or other public infrastructure.

Justifications:

Mandated
x-Remove hazards
Maintains service
x-Increase efficiency
Increase revenues
x-Improves service
New service
Convenience
Other

Goals and Objectives

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Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning		$15,000	$15,000	$15,000	$15,000	$15,000		$75,000
Land								$0
Construction		$85,000	$85,000	$85,000	$85,000	$85,000		$425,000
Equipment								$0
Other Expenses								$0
Total	$0	$100,000	$100,000	$100,000	$100,000	$100,000	$0	$500,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue		$100,000	$100,000	$100,000	$100,000	$100,000		$500,000
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$100,000	$100,000	$100,000	$100,000	$100,000	$0	$500,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2021 thru FY2025
Project Request Form

Project Title: SWM Equipment Replacement
Project Code: SWMER01
Project Priority: Priority 1 **Project Type:** REPLACEMENT **Start Date (FYE):** 2024
Department: 472041 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Future replacement of Ravo Sweepers.

Explanation:

These vehicles provide substantial credits towards the City's MS4 requirements, and they need to be operational at all times. As the equipment ages, it will be important to keep the fleet in good working order, so that these credits can be maintained at an appropriate level.

Alternative:

Without replacement of this equipment when needed, the City would need to spend more funds on different BMP's in order to compensate for the loss of the credits generated by this equipment.

Justifications:

x-Mandated
Remove hazards
x-Maintains service
Increase efficiency
Increase revenues
Improves service
New service
Convenience
Other

Goals and Objectives

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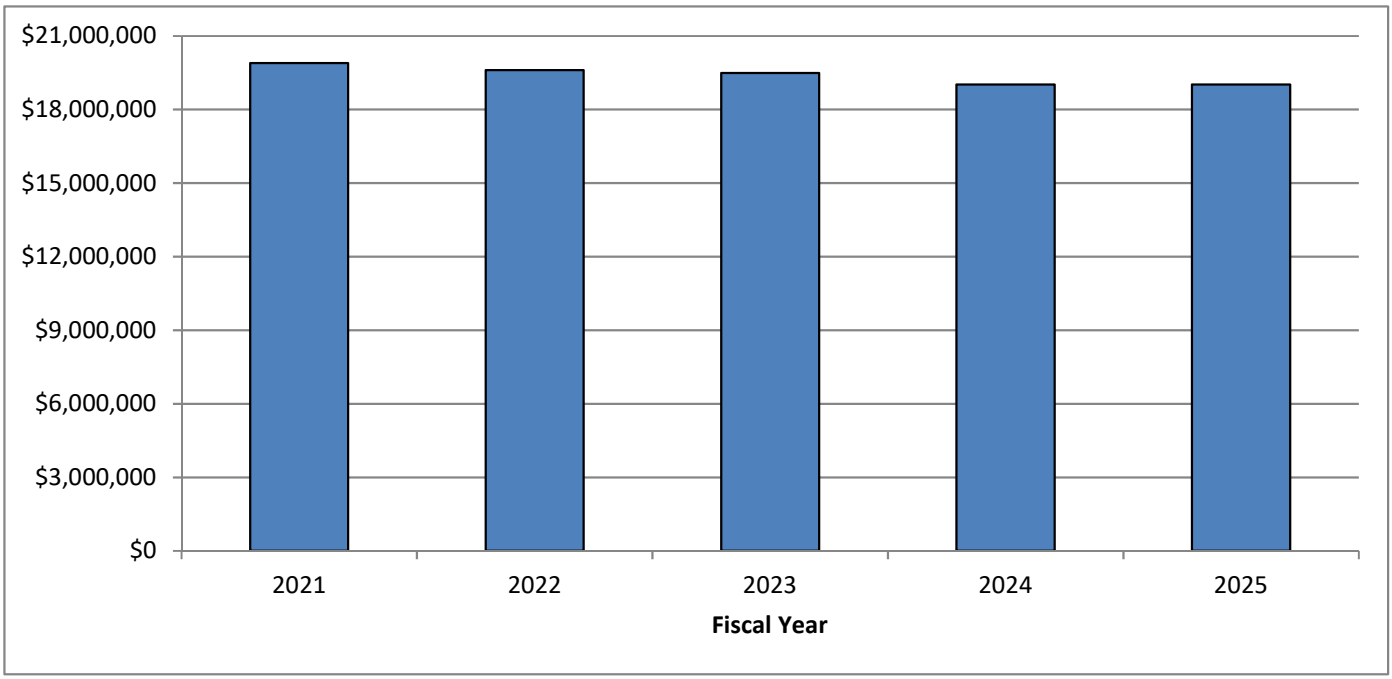
Expenditures:	Prior	2021	2022	2023	2024	2025	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment					$250,000		$255,000	$505,000
Other Expenses								$0
Total	$0	$0	$0	$0	$250,000	$0	$255,000	$505,000

Funding Sources:	Prior	2021	2022	2023	2024	2025	Future	Total
General Revenue								$0
Enterprise Revenue					$250,000		$255,000	$505,000
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$250,000	$0	$255,000	$505,000

Operating Impacts:	Prior	2021	2022	2023	2024	2025	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

CITY OF HARRISONBURG, VIRGINIA
DEBT SERVICE PAYMENTS - ALL FUNDS
NEXT FIVE FISCAL YEARS

Fiscal Year	Principal	Interest	Total Debt Service
2021	13,689,620	6,201,726	19,891,346
2022	13,961,599	5,648,782	19,610,380
2023	14,405,032	5,091,229	19,496,262
2024	14,499,931	4,524,695	19,024,626
2025	15,081,305	3,935,645	19,016,951



City of Harrisonburg, Virginia
General Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2015 Through June 30, 2025

	Fiscal Years									
	Actual 2016	**Actual 2017**	**Actual 2018**	**Actual 2019**	**Budgeted 2020**	**Projected 2021**	**Projected 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**
Amount from fund balance	2,483,149	4,020,911	4,870,611	7,749,994	1,928,600	-	-	-	-	-
Revenues:										
General property taxes	39,493,276	43,253,826	47,727,059	49,120,491	50,356,300	52,483,000	53,600,500	54,633,100	55,695,200	56,779,400
Other local taxes	39,854,862	40,508,212	43,481,115	45,722,262	46,526,800	47,850,200	48,617,900	49,472,600	50,268,700	50,978,100
License permits and privilege fees	446,923	913,713	643,359	627,102	585,600	595,300	605,200	615,400	624,500	633,700
Fines and forfeitures	580,946	705,107	851,160	725,330	725,000	725,000	737,000	749,200	761,700	774,400
Use of money and property	222,885	293,776	573,286	1,041,455	935,000	801,800	809,900	826,000	850,500	884,100
Charges for services	1,427,871	1,427,972	1,363,827	1,330,650	1,416,500	1,385,500	1,411,700	1,438,400	1,465,500	1,493,200
Miscellaneous revenues	5,336,096	5,317,341	5,413,956	5,703,750	5,618,000	5,670,700	5,672,700	5,674,700	5,677,800	5,680,900
Recovered costs	966,962	1,146,269	914,577	845,139	830,219	973,600	969,400	964,300	971,700	963,100
State revenue	11,098,030	10,376,815	10,266,800	10,388,878	10,366,221	10,340,500	10,420,100	10,532,400	10,619,100	10,739,200
Federal revenue	141,831	351,339	400,803	292,076	953,275	47,500	47,500	47,500	47,500	47,500
Non-revenue receipts	8,084	197,631	43,743	55,376	250,000	290,300	293,100	294,900	296,400	297,100
Transfers - Operating	1,846,800	1,846,800	1,983,050	2,036,700	3,163,600	2,035,900	2,039,700	2,043,500	2,047,400	2,051,400
Transfers - Other	800,000	30,532	-	46,929	-	-	-	-	-	-
Total revenue including fund balance	104,707,717	110,390,244	118,533,345	125,686,132	123,655,115	123,199,300	125,224,700	127,292,000	129,326,000	131,322,100
Operating Expenditures:										
General government	4,464,693	4,739,095	5,260,661	5,353,792	5,947,963	6,126,500	6,310,200	6,499,400	6,694,500	6,895,200
Public safety	20,484,350	21,190,117	22,264,920	23,192,762	25,372,400	26,133,500	26,917,200	27,725,000	28,556,800	29,413,500
Public works	6,948,361	6,852,143	7,141,789	7,493,326	8,025,295	8,333,700	8,651,200	8,978,300	9,315,400	9,662,200
Health and welfare	1,178,650	1,240,931	1,338,397	1,384,435	1,737,702	1,789,800	1,843,500	1,898,800	1,955,800	2,014,400
Parks and recreation	5,295,650	5,389,729	5,503,469	5,793,171	6,467,881	6,661,800	6,861,600	7,067,500	7,279,400	7,497,700
Community development	2,489,166	2,598,018	2,669,438	2,471,607	2,722,840	2,780,600	2,840,200	2,901,400	2,964,500	3,029,400
Joint operations	7,801,667	8,247,104	8,040,913	8,763,316	8,872,000	9,138,200	9,412,300	9,694,700	9,985,500	10,285,100
Reserve for contingencies	-	-	-	-	290,000	215,000	215,000	215,000	215,000	215,000
Debt service and fiscal charges	13,274,911	14,274,649	15,103,202	15,549,628	15,890,718	15,724,100	15,446,700	15,336,700	14,863,200	14,861,800
Payment for conference center	-	-	-	95,268	1,100,000	1,250,000	1,250,000	1,250,000	1,250,000	-
Transfers - Other than Schools	2,139,979	2,335,208	2,525,703	2,494,118	2,575,651	2,645,400	2,717,300	2,791,300	2,867,500	2,946,000
Transfers - Schools	29,895,539	30,062,539	33,262,539	34,419,222	35,803,308	37,235,400	38,724,800	40,273,800	41,884,800	43,560,200
Total operating expenditures	93,972,966	96,929,533	103,111,031	107,010,643	114,805,758	118,034,000	121,190,000	124,631,900	127,832,400	130,380,500
Cash/Funds Available for Capital	10,734,751	13,460,711	15,422,314	18,675,489	8,849,357	5,165,300	4,034,700	2,660,100	1,493,600	941,600
Capital Expenditures:										
Capital outlay	5,096,481	3,912,765	5,157,491	5,951,480	5,924,357	5,622,200	5,723,300	5,827,600	5,934,900	6,045,300
Transfers to Capital projects	915,707	3,178,000	2,847,850	5,283,327	2,925,000	3,012,800	3,103,200	3,196,300	3,292,200	3,391,000
Total capital expenditures	6,012,188	7,090,765	8,005,341	11,234,807	8,849,357	8,635,000	8,826,500	9,023,900	9,227,100	9,436,300
Revenue Over (Under) Expenditures	**4,722,563**	**6,369,946**	**7,416,973**	**7,440,682**	**-**	**(3,469,700)**	**(4,791,800)**	**(6,363,800)**	**(7,733,500)**	**(8,494,700)**

City of Harrisonburg, Virginia
Water Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2015 Through June 30, 2025

	Fiscal Years									
	Actual 2016	**Actual 2017**	**Actual 2018**	**Actual 2019**	**Budgeted 2020**	**Projected 2021**	**Projected 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**
Amount from fund balance	124,798	103,773	465,948	1,273,619	1,300,000	-	-	-	-	-
Revenues:										
License permits & privilege fees	184,900	255,800	301,200	343,110	250,000	250,000	250,000	250,000	250,000	250,000
Use of money and property	73,352	83,275	149,204	264,856	78,000	228,000	228,000	228,000	228,000	228,000
Charges for services	6,759,919	7,333,786	7,964,752	8,287,406	9,122,600	9,994,500	10,194,400	10,398,200	10,606,100	10,818,200
Miscellaneous	14,115	9,538	28,975	6,322	6,000	6,000	6,000	6,000	6,000	6,000
Recovered costs	49,153	63,465	65,730	69,685	35,000	35,000	35,000	35,000	35,000	35,000
Intergovernmental revenue	-	-	-	-	-	-	-	-	-	-
Transfers - Depreciation, etc.	1,883,544	1,928,478	1,904,136	1,484,800	1,519,500	1,549,900	1,580,900	1,612,500	1,644,800	1,677,700
Transfers - General Fund	-	-	-	-	-	-	-	-	-	-
Total revenue including fund balance	9,089,781	9,778,114	10,879,946	11,729,797	12,311,100	12,063,400	12,294,300	12,529,700	12,769,900	13,014,900
Operating Expenditures:										
Personal service	1,659,160	1,795,154	1,769,191	1,859,035	2,127,679	2,191,500	2,257,200	2,324,900	2,394,600	2,466,400
Fringe benefits	585,943	604,665	604,537	645,434	734,858	756,900	779,600	803,000	827,100	851,900
Purchased services	188,609	186,944	216,721	222,016	249,539	257,000	264,700	272,600	280,800	289,200
Internal services	12,847	16,537	12,108	16,340	17,000	17,500	18,000	18,500	19,100	19,700
Other charges	494,168	479,034	494,643	498,820	534,969	551,000	567,500	584,500	602,000	620,100
Materials and supplies	266,887	436,406	282,757	303,593	346,998	357,400	368,100	379,100	390,500	402,200
Depreciation	1,883,544	1,928,478	1,904,136	1,484,800	1,519,500	1,549,900	1,580,900	1,612,500	1,644,800	1,677,700
Payment in lieu of taxes	502,902	503,034	507,174	571,800	584,700	602,200	620,300	638,900	658,100	677,800
Debt service and fiscal charges	779,795	1,054,624	1,057,412	1,525,622	1,523,502	1,522,400	1,522,800	1,521,600	1,525,000	1,518,200
Transfers - Other	1,063,488	1,069,665	1,085,295	1,088,820	1,098,630	1,103,900	1,109,300	1,114,900	1,120,600	1,126,500
Total operating expenditures	7,437,342	8,074,540	7,933,974	8,216,281	8,737,375	8,909,700	9,088,400	9,270,500	9,462,600	9,649,700
Cash/Funds Available for Capital	1,652,439	1,703,574	2,945,972	3,513,516	3,573,725	3,153,700	3,205,900	3,259,200	3,307,300	3,365,200
Capital Expenditures:										
Capital outlay	156,542	211,221	100,089	231,338	216,000	222,500	229,200	236,100	243,200	-
Transfers - Capital projects	815,000	965,000	1,829,000	2,835,392	3,357,725	-	-	-	-	-
Total capital expenditures	971,542	1,176,221	1,929,089	3,066,730	3,573,725	222,500	229,200	236,100	243,200	-
Revenue Over (Under) Expenditures	**680,896**	**527,353**	**1,016,883**	**446,786**	**-**	**2,931,200**	**2,976,700**	**3,023,100**	**3,064,100**	**3,365,200**

City of Harrisonburg, Virginia
Sewer Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2015 Through June 30, 2025

	Fiscal Years									
	Actual 2016	**Actual 2017**	**Actual 2018**	**Actual 2019**	**Budgeted 2020**	**Projected 2021**	**Projected 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**
Amount from fund balance	709,315	1,412,855	223,970	833,788	1,300,000	-	-	-	-	-
Revenues:										
License permits and privilege fees	275,000	380,500	495,300	571,000	250,000	250,000	250,000	250,000	250,000	250,000
Use of money and property	13,792	40,222	100,737	213,890	50,000	225,000	225,000	225,000	225,000	225,000
Charges for services	10,232,221	10,339,739	10,646,203	10,845,868	10,954,700	12,007,400	12,247,200	12,504,000	12,753,700	13,008,400
Miscellaneous	1,660	-	5,053	8,099	1,000	1,000	1,000	1,000	1,000	1,000
Recovered costs	33,254	62,935	35,904	49,811	20,000	20,000	20,000	20,000	20,000	20,000
Transfers - Depreciation, etc.	1,408,410	1,423,152	1,449,408	1,506,900	1,551,000	1,566,500	1,597,800	1,629,800	1,662,400	1,695,600
Transfers - General Fund	-	-	-	-	-	-	-	-	-	-
Transfers - Capital Projects Fund	-	6,665	-	-	-	-	-	-	-	-
Total revenue including fund balance	12,673,652	13,666,067	12,956,575	14,029,356	14,126,700	14,069,900	14,341,000	14,629,800	14,912,100	15,200,000
Operating Expenditures:										
Personal service	1,085,078	1,052,890	1,104,524	1,213,679	1,478,763	1,523,100	1,568,800	1,615,900	1,664,400	1,714,300
Fringe benefits	430,380	381,897	398,043	458,783	547,180	563,600	580,500	597,900	615,800	634,300
Purchased services	50,980	99,139	72,666	87,160	88,578	91,200	93,900	96,700	99,600	102,600
Internal services	179,270	227,950	232,287	264,725	250,000	257,500	265,200	273,200	281,400	289,800
Other charges	128,563	132,958	154,063	171,027	185,055	190,600	196,300	202,200	208,300	214,500
Materials and supplies	131,255	141,667	151,348	150,394	126,800	130,600	134,500	138,500	142,700	147,000
Depreciation	1,408,410	1,423,152	1,449,408	1,506,900	1,551,000	1,566,500	1,597,800	1,629,800	1,662,400	1,695,600
Payment to HRRSA - Operations	3,424,665	3,321,597	2,812,864	2,909,391	3,312,000	3,411,400	3,513,700	3,619,100	3,727,700	3,839,500
Payment to HRRSA - Debt service	2,803,927	2,851,982	2,901,775	3,145,893	3,280,000	3,280,000	3,280,000	3,280,000	3,280,000	3,280,000
Payment in lieu of taxes	311,046	325,890	354,567	390,600	394,500	406,300	418,500	431,100	444,000	457,300
Transfers - Other	936,432	937,675	939,410	939,762	926,976	927,100	927,200	927,300	927,400	927,500
Transfers - Reserve for HRRSA	-	-	-	150,000	300,000	309,000	318,300	327,800	337,600	347,700
Total operating expenditures	10,890,007	10,896,797	10,570,955	11,388,314	12,440,852	12,656,900	12,894,700	13,139,500	13,391,300	13,650,100
Cash/Funds Available for Capital	1,783,645	2,769,271	2,385,620	2,641,042	1,685,848	1,413,000	1,446,300	1,490,300	1,520,800	1,549,900
Capital Expenditures:										
Capital outlay	381,374	381,494	120,441	129,365	499,000	514,000	529,400	545,300	561,700	578,600
Transfers - Capital projects	425,000	1,575,000	515,000	1,336,000	1,186,848	-	-	-	-	-
Total capital expenditures	806,374	1,956,494	635,441	1,465,365	1,685,848	514,000	529,400	545,300	561,700	578,600
Revenue Over (Under) Expenditures	**977,272**	**812,777**	**1,750,180**	**1,175,677**	**-**	**899,000**	**916,900**	**945,000**	**959,100**	**971,300**

City of Harrisonburg, Virginia
School Transportation Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2015 Through June 30, 2025

	Fiscal Years									
	Actual 2016	**Actual 2015**	**Actual 2018**	**Actual 2019**	**Budgeted 2020**	**Projected 2021**	**Projected 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**
Amount from fund balance	26,897	50,000	117,832	51,000	65,000	-	-	-	-	-
Revenues:										
Use of money and property	349	1,134	1,058	2,946	2,000	2,000	2,000	2,000	2,000	2,000
Charges for services	3,082,840	3,352,561	3,745,820	4,028,256	4,121,405	4,179,700	4,289,600	4,402,600	4,518,600	4,637,700
Miscellaneous	10,113	100	39,997	18,850	25,000	25,000	25,000	25,000	25,000	25,000
Transfers - General Fund	-	-	-	-	-	-	-	-	-	-
Total revenue including fund balance	3,120,199	3,403,794	3,904,707	4,101,053	4,213,405	4,206,700	4,316,600	4,429,600	4,545,600	4,664,700
Operating Expenditures:										
Personal service	1,303,114	1,535,172	1,702,865	1,853,704	1,962,576	2,021,500	2,082,100	2,144,600	2,208,900	2,275,200
Fringe benefits	530,358	551,464	634,102	622,864	717,631	739,200	761,400	784,200	807,700	831,900
Purchased services	47,055	82,301	77,766	75,269	80,235	82,600	85,100	87,700	90,300	93,000
Internal services	649,470	759,644	894,136	1,022,077	916,400	943,900	972,200	1,001,400	1,031,400	1,062,300
Other charges	94,529	93,064	98,258	110,622	114,723	118,200	121,700	125,400	129,200	133,100
Materials and supplies	12,357	22,795	14,594	16,359	15,040	15,500	16,000	16,500	17,000	17,500
Total operating expenditures	2,636,884	3,044,440	3,421,721	3,700,894	3,806,605	3,920,900	4,038,500	4,159,800	4,284,500	4,413,000
Cash/Funds Available for Capital	483,315	359,354	482,986	400,158	406,800	285,800	278,100	269,800	261,100	251,700
Capital Expenditures:										
Capital outlay	311,471	293,075	361,871	380,214	406,800	-	-	-	-	-
Transfers - Capital projects	-	-	-	-	-	-	-	-	-	-
Total capital expenditures	311,471	293,075	361,871	380,214	406,800	-	-	-	-	-
Revenue Over (Under) Expenditures	**171,843**	**66,280**	**121,115**	**19,944**	**-**	**285,800**	**278,100**	**269,800**	**261,100**	**251,700**

City of Harrisonburg, Virginia
Public Transportation Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2015 Through June 30, 2025

	Fiscal Years									
	Actual 2016	**Actual 2017**	**Actual 2018**	**Actual 2019**	**Budgeted 2020**	**Projected 2021**	**Projected 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**
Amount from fund balance	81,098	153,137	28,181	3,128	-	-	-	-	-	-
Revenues:										
Use of money and property	81,763	89,412	111,728	122,403	110,000	110,200	112,300	114,400	116,600	118,800
Charges for service	1,798,093	1,831,829	1,949,217	1,958,647	1,975,650	2,128,900	2,169,900	2,211,600	2,254,300	2,297,800
Miscellaneous	39,656	-	186,763	37,040	-	-	-	-	-	-
Recovered costs	65,579	116,959	111,712	115,571	115,350	117,700	117,700	117,700	117,700	117,700
Intergovernmental revenue	2,698,187	6,255,351	2,950,954	3,370,369	3,286,500	3,243,300	3,307,900	3,373,900	3,441,100	3,509,700
Transfers - Depreciation, etc.	216,660	216,660	216,660	-	-	-	-	-	-	-
Transfers - General Fund	210,000	250,000	322,858	250,000	250,000	250,000	250,000	250,000	250,000	250,000
Total revenue including fund balance	5,191,035	8,913,347	5,878,073	5,857,159	5,737,500	5,850,100	5,957,800	6,067,600	6,179,700	6,294,000
Operating Expenditures:										
Personal service	2,114,232	2,186,732	2,290,203	2,378,590	2,618,344	2,696,900	2,777,800	2,861,100	2,946,900	3,035,300
Fringe benefits	568,404	597,251	621,436	604,164	657,573	677,300	697,600	718,500	740,100	762,300
Purchased services	124,316	184,828	76,578	130,197	180,740	186,200	191,800	197,600	203,500	209,600
Internal services	1,169,438	1,224,590	1,393,316	1,541,894	1,555,500	1,602,200	1,650,300	1,699,800	1,750,800	1,803,300
Other charges	246,022	238,624	259,998	265,568	303,693	312,800	322,200	331,900	341,900	352,200
Materials and supplies	64,996	35,088	33,902	40,475	51,650	53,200	54,800	56,400	58,100	59,800
Depreciation	216,660	216,660	216,660	-	-	-	-	-	-	-
Transfers - General Fund	-	-	125,000	170,000	160,000	163,200	166,500	169,800	173,200	176,700
Total operating expenditures	4,504,068	4,683,773	5,017,092	5,130,889	5,527,500	5,691,800	5,861,000	6,035,100	6,214,500	6,399,200
Cash/Funds Available for Capital	686,968	4,229,575	860,981	726,270	210,000	158,300	96,800	32,500	(34,800)	(105,200)
Capital Expenditures:										
Capital outlay	482,052	4,119,287	241,208	122,304	210,000	25,000	25,800	26,600	27,400	28,200
Transfers - Capital projects	-	-	-	-	-	-	-	-	-	-
Total capital expenditures	482,052	4,119,287	241,208	122,304	210,000	25,000	25,800	26,600	27,400	28,200
Revenue Over (Under) Expenditures	**204,916**	**110,288**	**619,774**	**603,965**	**-**	**133,300**	**71,000**	**5,900**	**(62,200)**	**(133,400)**

City of Harrisonburg, Virginia
Sanitation Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2015 Through June 30, 2025

	Fiscal Years									
	Actual 2016	**Actual 2017**	**Actual 2018**	**Actual 2019**	**Budgeted 2020**	**Projected 2021**	**Projected 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**
Amount from fund balance	3,351,213	1,143,401	1,250,048	1,273,121	254,375	-	-	-	-	-
Revenues:										
Use of money and property	9,657	9,165	40,915	54,608	45,000	49,500	50,000	50,500	51,000	51,500
Charges for services	4,217,377	4,246,922	4,220,176	4,140,588	4,150,000	4,150,000	4,150,000	4,150,000	4,150,000	4,150,000
Miscellaneous	36,307	18,250	8,966	21,780	-	-	-	-	-	-
Recovered costs:	1,430,566	143,253	110,288	101,825	-	-	-	-	-	-
Sale of RRF	-	4,200,000	-	-	-	-	-	-	-	-
Transfers - Depreciation, etc.	200,000	200,000	200,000	-	-	-	-	-	-	-
Transfers - Capital Projects Fund	-	10,969	-	127,740	-	-	-	-	-	-
Total revenue including fund balance	9,245,120	9,971,958	5,830,392	5,719,662	4,449,375	4,199,500	4,200,000	4,200,500	4,201,000	4,201,500
Operating Expenditures:										
Personal service	1,229,960	887,208	815,035	820,204	1,074,926	1,107,200	1,140,400	1,174,600	1,209,800	1,246,100
Fringe benefits	453,007	360,445	361,556	359,749	455,435	469,100	483,200	497,700	512,600	528,000
Purchased services	927,055	1,024,931	899,235	736,824	857,180	882,900	909,400	936,700	964,800	993,700
Internal services	157,572	133,556	141,716	194,378	157,500	162,200	167,100	172,100	177,300	182,600
Other charges	595,912	168,003	64,606	65,417	78,554	80,900	83,300	85,800	88,400	91,100
Materials and supplies	24,431	14,230	11,507	26,836	37,150	38,300	39,400	40,600	41,800	43,100
Depreciation	200,000	200,000	200,000	-	-	-	-	-	-	-
Debt service and fiscal charges	2,644,715	2,174,548	2,164,751	2,161,835	1,588,630	1,587,100	1,583,100	1,580,200	1,578,700	1,579,200
Total operating expenditures	6,232,651	4,962,921	4,658,406	4,365,243	4,249,375	4,327,700	4,405,900	4,487,700	4,573,400	4,663,800
Cash/Funds Available for Capital	3,012,469	5,009,037	1,171,985	1,354,419	200,000	(128,200)	(205,900)	(287,200)	(372,400)	(462,300)
Capital Expenditures:										
Capital outlay	92,259	231,797	111,874	15,192	200,000	206,000	212,200	218,600	225,200	232,000
Transfers - Capital projects	2,075,517	2,600,000	265,000	73,500	-	-	-	-	-	-
Total capital expenditures	2,167,776	2,831,797	376,874	88,692	200,000	206,000	212,200	218,600	225,200	232,000
Revenue Over (Under) Expenditures	**844,693**	**2,177,240**	**795,111**	**1,265,727**	**-**	**(334,200)**	**(418,100)**	**(505,800)**	**(597,600)**	**(694,300)**

City of Harrisonburg, Virginia
Stormwater Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2015 Through June 30, 2025

	Fiscal Years									
	Actual 2016	**Actual 2017**	**Actual 2018**	**Actual 2019**	**Budgeted 2020**	**Projected 2021**	**Projected 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**
Amount from fund balance	-	604,205	228,401	245,350	34,620	-	-	-	-	-
Revenues:										
Use of money and property	1,581	10,917	30,395	68,912	50,000	50,500	51,000	51,500	52,000	52,500
Charges for services	2,261,632	1,253,823	1,346,996	1,293,723	1,327,680	1,327,700	1,327,700	1,327,700	1,327,700	1,327,700
Miscellaneous	-	-	-	-	-	-	-	-	-	-
Recovered costs	-	-	275	-	-	-	-	-	-	-
Intergovernmental revenue	-	-	-	-	-	-	-	-	-	-
Transfers - Depreciation, etc.	-	-	-	-	-	-	-	-	-	-
Transfers - General Fund	-	-	-	-	-	-	-	-	-	-
Total revenue including fund balance	2,263,213	1,868,945	1,606,067	1,607,985	1,412,300	1,378,200	1,378,700	1,379,200	1,379,700	1,380,200
Operating Expenditures:										
Personal service	49,118	93,212	106,651	99,700	181,626	187,100	192,700	198,500	204,500	210,600
Fringe benefits	15,100	28,258	32,142	28,031	59,842	61,600	63,400	65,300	67,300	69,300
Purchased services	119,888	118,907	207,412	13,096	130,175	234,100	138,100	142,200	146,500	150,900
Internal services	3,797	13,038	25,791	30,799	33,000	34,000	35,000	36,100	37,200	38,300
Other charges	6,437	11,676	14,121	17,201	124,007	127,700	131,500	135,400	139,500	143,700
Materials and supplies	4,963	10,877	6,130	2,873	12,250	12,600	13,000	13,400	13,800	14,200
Transfers - General Fund	-	-	11,250	19,900	25,400	26,200	27,000	27,800	28,600	29,500
Total operating expenditures	199,302	275,968	403,498	211,599	566,300	683,300	600,700	618,700	637,400	656,500
Cash/Funds Available for Capital	2,063,910	1,592,977	1,202,569	1,396,386	846,000	694,900	778,000	760,500	742,300	723,700
Capital Expenditures:										
Capital outlay	274,381	454,102	69,150	170,466	178,500	178,500	178,500	178,500	178,500	178,500
Transfers - Capital projects	502,802	825,000	885,000	1,079,000	667,500	-	-	-	-	-
Total capital expenditures	777,183	1,279,102	954,150	1,249,466	846,000	178,500	178,500	178,500	178,500	178,500
Revenue Over (Under) Expenditures	**1,286,727**	**313,875**	**248,419**	**146,920**	**-**	**516,400**	**599,500**	**582,000**	**563,800**	**545,200**