City of Harrisonburg
Capital Improvement Program

FY 2022-2023 Through FY 2026-2027

CITY OF HARRISONBURG
CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2022-23 THROUGH FISCAL YEAR 2026-27

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CITY OF HARRISONBURG
CAPITAL IMPROVEMENT PROGRAM
FISCAL YEAR 2022-2023 THROUGH FISCAL YEAR 2026-2027

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 to set priorities among capital improvement needs over a subsequent five-year period. The CIP is designed to identify projects for all City departments for which in some cases 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.

Information provided for each project does not include all details of any particular project. However, environmental, resilient, and sustainable infrastructure such as, but not limited to, solar panels should be considered with all City projects.

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 2022, 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 2022. Final adoption is scheduled for April 2022.

CITY OF HARRISONBURG

Capital Improvment Program

All Projects

General Fund Summary

FY 2023 through FY 2027

Department Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
Information Technology									
Server Replacement	2	2	$ -	$ -	$ 60,000	$ -	$ -	$ 60,000	
Financial Pakage Upgrade	4	2	$ -	$ 500,000	$ -	$ -	$ -	$ 500,000	
CAMS Phase IV	5	2	$ -	$ 60,000	$ -	$ -	$ -	$ 60,000	
Storage System Replacement	6	2	$ 130,000	$ -	$ -	$ 130,000		$ 260,000	$ 130,000
Department Total			**$ 130,000**	**$ 560,000**	**$ 60,000**	**$ 130,000**	**$ -**	**$ 880,000**	**$ 130,000**
Fire Department									
Fire Station 4 Renovation or Replacement	8	2	$ 3,600,000	$ -	$ -	$ -	$ -	$ 3,600,000	
Apparatus Replacement Program	9	2	$ 2,432,250	$ 834,300	$ -	$ 850,000	$ 200,000	$ 4,316,550	
Protective Equipment Replacment	10	2	$ -	$ -	$ 78,000	$ 78,000	$ 78,000	$ 234,000	
Fire Station #5 (Park View)	11	2	$ -	$ -	$ 300,000	$ 4,600,000	$ -	$ 4,900,000	
Department Total			**$ 6,032,250**	**$ 834,300**	**$ 378,000**	**$ 5,528,000**	**$ 278,000**	**$ 13,050,550**	

Department Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
Emergency Communications Center									
Construct New ECC	12	2	$ 150,000	$ -	$ 9,450,000	$ -	$ -	$ 9,600,000	
Replace Microwave Radio System	13	2	$ -	$ -	$ 625,000	$ -	$ -	$ 625,000	
HVAC System Replacement	14	2	$ -	$ 400,000	$ -	$ -	$ -	$ 400,000	
Cisco Switch Hardware Refresh Program	15	2	$ -	$ -	$ 170,000	$ -	$ -	$ 170,000	
CAD High Availability	17	2	$ -	$ -	$ -	$ 500,000	$ -	$ 500,000	
UPS Replacement	18	2	$ -	$ 400,000	$ -	$ -	$ -	$ 400,000	
Department Total			**$ 150,000**	**$ 800,000**	**$ 10,245,000**	**$ 500,000**	**$ -**	**$ 11,695,000**	**$ -**
General Properties									
Renovation of Old Municipal Building	19	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	21	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,400,000
Water Street Bridge	22	2	$ -	$ 750,000	$ 1,000,000	$ -	$ 3,000,000	$ 4,750,000	
Dogwood Culvert	23	2	$ 625,000	$ -	$ -	$ -	$ -	$ 625,000	
Bridge Preventive Maintenance Program	24	1	$ 155,000	$ 170,000	$ 170,000	$ 170,000	$ 190,000	$ 855,000	
Annual Curb & Gutter and Sidewalk Replacement	25	2	$ 245,000	$ 245,000	$ 250,000	$ 255,000	$ 255,000	$ 1,250,000	
Annual Street Paving Program	26	2	$ 2,000,000	$ 2,100,000	$ 2,100,000	$ 2,200,000	$ 2,200,000	$ 10,600,000	
Traffic Management Equipment Program	33	2	$ 50,000	$ 50,000	$ 60,000	$ 60,000	$ 60,000	$ 280,000	
Traffic Detection Cameras (Grid Smart)	35	2	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 150,000	$ 750,000	$ 150,000
Traffic Signals Communications Radio Upgrade	36	2	$ 50,000	$ 50,000	$ 60,000	$ 60,000	$ -	$ 220,000	
Traffic Signal Pole Anchor Bolts UT Inspection	38	1	$ -	$ -	$ -	$ -	$ 75,000	$ 75,000	$ 75,000

Department Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
Public Works Continued									
New Public Works Facility	42	2	$ 6,400,000	$ -	$ -	$ -	$ -	$ 6,400,000	
South Main Street and I-81 Exit 243 Interchange Improvements	46	2	$ 840,646	$ 460,473	$ 4,429,905	$ -	$ -	$ 5,731,024	
Chicago Avenue Improvements	47	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,250,000
Carlton Street Improvement	50	2	$ -	$ -	$ -	$ -		$ -	$ 1,100,000
Bluestone Trail	51	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 9,424,226
University Boulevard & Evelyn Byrd - Sidewalk	53	2	$ 1,296,000	$ 1,969,000	$ -	$ -	$ -	$ 3,265,000	
Martin Luther King Jr Way Widening	54	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,425,000
Linda Lane Widening	56	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,800,000
Smithland Road	57	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,500,000
Northend Greenway	58	2	$ 2,800,000	$ 300,000	$ -	$ -	$ -	$ 3,100,000	
North Main Street Sidewalk	60	2	$ -	$ 205,982	$ 2,126,323	$ -	$ -	$ 2,332,305	
Reservoir Street Sidewalk	61	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,975,000
University Boulevard Relocation	63	2	$ 1,145,000	$ -	$ 7,152,000	$ 1,349,222	$ -	$ 9,646,222	
Port Republic Road - Bluestone Intersection	64	2	$ -	$ 254,943	$ 2,335,655	$ -	$ -	$ 2,590,598	
Port Republic Road Sidewalk-Main Street to Crawford Avenue	65	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,000,000
Erickson/Pear Street Intersection Improvements	66	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,074,774
Port Republic Road - Bradley Drive Signal	67	2	$ -	$ 419,424	$ 3,242,169	$ -	$ -	$ 3,661,593	
Port Republic Road - Forest Hill Road	68	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,770,003
Pedestrian Signals	69	2	$ -	$ -	$ 25,000	$ 300,000	$ -	$ 325,000	$ 100,000
Old Furnace Road Sidewalk Gaps	70	2	$ -	$ 75,000	$ 500,000	$ 500,000		$ 1,075,000	
Central Avenue Sidewalk	71	2	$ -	$ -	$ -	$ 70,000	$ 50,000	$ 120,000	$ 350,000
Wolfe Street Sidewalk Replacement	72	2	$ -	$ 110,000	$ -	$ -	$ -	$ 110,000	
Country Club Sidewalk	73	2	$ 12,019	$ 60,912	$ 536,985	$ -	$ -	$ 609,916	
Department Total			**$ 15,768,665**	**$ 7,370,734**	**$ 24,138,037**	**$ 5,114,222**	**$ 5,980,000**	**$ 58,371,658**	**$ 51,394,003**

Department Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
Parks and Recreation									
Heritage Oaks Golf Course - Bridge Replacement	75	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 250,000
Purcell Park Master Plan Phase 1a and 1b	76	2	$ 1,500,000	$ -	$ -	$ -	$ -	$ 1,500,000	$ 1,500,000
Riven Rock Restrooms	81	2	$ -	$ -	$ 125,000	$ -	$ -	$ 125,000	
Smithland Athletic Complex Development	83	2	$ -	$ 50,000	$ 3,250,000	$ -	$ -	$ 3,300,000	
Westover Skate Park Improvement Project	84	2	$ 157,000	$ 90,500	$ 122,000	$ -	$ -	$ 369,500	
Department Total			**$ 1,657,000**	**$ 140,500**	**$ 3,497,000**	**$ -**	**$ -**	**$ 5,294,500**	**$ 1,750,000**
Parking Services									
Elizabeth Street Deck	87	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,500,000
Water Street Deck	88	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,500,000
Public Safety Security Fence Project	89	2	$ 500,000	$ -	$ -	$ -	$ -	$ 500,000	
Department Total			**$ 500,000**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 500,000**	**$ 16,000,000**
TOTAL GENERAL FUND			**$ 24,237,915**	**$ 12,205,534**	**$ 40,818,037**	**$ 11,272,222**	**$ 6,258,000**	**$ 94,791,708**	**$ 69,274,003**
Potential Other Funding, Excluding Bond Funds, Not Included in Available Revenues			**$ (13,041,265)**	**$ (4,808,552)**	**$ (26,338,140)**	**$ (2,299,222)**	**$ (3,000,000)**	**$ (49,487,179)**	**$ (37,869,003)**
Anticipated Bond Funds			**$ (1,750,000)**	**$ (2,500,000)**	**$ (10,450,000)**	**$ (4,600,000)**	**$ -**	**$ (19,300,000)**	**$ (11,250,000)**
TOTAL NEEDED FROM GENERAL FUND (EXCLUDING SCHOOLS)			**$ 9,446,650**	**$ 4,896,982**	**$ 4,029,897**	**$ 4,373,000**	**$ 3,258,000**	**$ 26,004,529**	**$ 20,155,000**
TOTAL AVAILABLE FROM GENERAL FUND			**$ 5,641,300**	**$ 5,112,550**	**$ 4,281,600**	**$ 4,957,100**	**$ 5,239,100**	**$ 25,231,650**	

CITY OF HARRISONBURG
Capital Improvement Program
Priority 1 & 2 Projects
School Fund
FY 2023 through FY 2027

School Fund Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
Upgrade HVAC Controls Stone Spring Elementary School	90	2	$ -	$ -	$ -	$ 53,000	$ -	$ 53,000	
Storefront Door Replacement at SMES/SKMS	91	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 102,000
Chiller Replacement at HHS	92	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 300,000
Renovation/Remodel of THMS	93	2	$ -	$ -	$ -	$ 2,500,000	$ -	$ 2,500,000	
Boiler Replacement at SSES	94	2	$ -	$ 75,000	$ -	$ -	$ -	$ 75,000	
Air Handler Replacement at Spotswood Elementary School	95	2	$ -	$ -	$ 179,000	$ -	$ -	$ 179,000	
Air Handler Repalcement at Waterman Elementary School	96	2	$ -	$ -	$ 253,000	$ -	$ -	$ 253,000	
Chiller Replacement at Stone Spring Elementary School	97	2	$ -	$ 185,000	$ -	$ -	$ -	$ 185,000	
Air Handler Replacement at Keister Elementary School	98	2	$ -	$ -	$ 253,000	$ -	$ -	$ 253,000	
Replace Roof at THMS	99	2	$ 50,000	$ -	$ -	$ -	$ -	$ 50,000	
Resurface THMS Parking lot and Road	100	2	$ -	$ -	$ 91,000	$ -	$ -	$ 91,000	
Purchase Land for 7th Elementary School	101	2	$ -	$ -	$ 2,500,000	$ -	$ -	$ 2,500,000	
Roof Replacement/Repairs at SES/WES	102	2	$ -	$ -	$ -	$ 200,000	$ -	$ 200,000	
Enhancement to Harrisonburg High School	103	2	$ -	$ 1,500,000	$ 1,500,000	$ -	$ -	$ 3,000,000	
Resurface Parking Harrisonburg HS	104	2	$ -	$ -	$ -	$ 150,000	$ -	$ 150,000	
MTC Renovation Request	105	2	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,600,000
TOTAL SCHOOL FUND			**$ 50,000**	**$ 1,760,000**	**$ 4,776,000**	**$ 2,903,000**	**$ -**	**$ 9,489,000**	**$ 6,002,000**
Potential Other Funding, Excluding Bonds Not Included in Available Revenues			**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	
ANTICIPATED BOND FUNDS			**$ -**	**$ -**	**$ (2,500,000)**	**$ (2,500,000)**	**$ -**	**$ (5,000,000)**	**$ (5,600,000)**
TOTAL NEEDED FROM SCHOOL FUND			**$ 50,000**	**$ 1,760,000**	**$ 2,276,000**	**$ 403,000**	**$ -**	**$ 4,489,000**	**$ 402,000**

CITY OF HARRISONBURG

Capital Improvment Program
Priority 1 and 2 Projects
Water Fund
FY 2023 through FY 2027

Water Fund Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
Western Raw Waterline	106	2	$ 6,465,416	$ 465,416	$ 465,416	$ 465,416	$ 5,465,416	$ 13,327,080	$ 18,028,320
Rural Potable Projects	108	2	$ 781,510	$ 781,510	$ 781,510	$ 781,510	$ 1,881,510	$ 5,007,550	$ 14,590,203
Management of Pumping, Storage & Transfer Assets	110	2	$ 328,496	$ 328,496	$ 328,496	$ 328,496	$ 328,496	$ 1,642,480	$ 6,569,911
Management of Transmission & Distribution: Assets	112	2	$ 1,604,456	$ 1,604,456	$ 1,604,456	$ 1,604,456	$ 1,604,456	$ 8,022,280	$ 32,089,112
Management of Water Treatment Assets	114	2	$ 535,881	$ 535,881	$ 535,881	$ 535,881	$ 535,881	$ 2,679,405	$ 10,717,613
Management of Metering System	116	2	$ 148,272	$ 148,272	$ 148,272	$ 148,272	$ 23,272	$ 616,360	$ 465,440
Facilities	118	2	$ 126,403	$ 7,000	$ 7,000	$ 7,000	$ 7,000	$ 154,403	$ 140,000
TOTAL WATER FUND			**$ 9,990,434**	**$ 3,871,031**	**$ 3,871,031**	**$ 3,871,031**	**$ 9,846,031**	**$ 31,449,558**	**$ 82,600,599**
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			**$ (3,000,000)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ (3,000,000)**	**$ (10,000,000)**
TOTAL NEEDED FROM WATER FUND			**$ 6,990,434**	**$ 3,871,031**	**$ 3,871,031**	**$ 3,871,031**	**$ 9,846,031**	**$ 28,449,558**	**$ 72,600,599**
TOTAL AVAILABLE FROM WATER FUND			**$ 1,854,300**	**$ 1,926,800**	**$ 2,014,900**	**$ 2,095,600**	**$ 2,190,700**	**$ 10,082,300**	

CITY OF HARRISONBURG
Capital Improvement Program

Priority 1 & 2 Projects
Sewer Fund
FY 2023 through FY 2027

Sewer Fund Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
Blacks Run Interceptor Upgrade Prog	120	2	$ 343,069	$ 85,715	$ 185,715	$ 85,715	$ 85,715	$ 785,929	$ 1,914,303
Metering	122	2	$ 148,272	$ 148,272	$ 148,272	$ 148,272	$ 23,272	$ 616,360	$ 861,063
Management of Collection & Transmission Assets	124	2	$ 722,953	$ 722,953	$ 722,953	$ 722,953	$ 722,953	$ 3,614,765	$ 14,459,068
Management of Transfer & Monitoring Assets	126	2	$ 48,716	$ 48,716	$ 48,716	$ 48,716	$ 48,716	$ 243,580	$ 974,320
Facilities	128	2	$ 40,410	$ 7,000	$ 7,000	$ 7,000	$ 7,000	$ 68,410	$ 140,000
TOTAL SEWER FUND			**$ 1,303,420**	**$ 1,012,656**	**$ 1,112,656**	**$ 1,012,656**	**$ 887,656**	**$ 5,329,044**	**$ 18,348,754**
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			**$ 1,303,420**	**$ 1,012,656**	**$ 1,112,656**	**$ 1,012,656**	**$ 887,656**	**$ 5,329,044**	**$ 18,348,754**
TOTAL AVAILABLE FROM SEWER FUND			**$ 1,149,500**	**$ 1,223,700**	**$ 1,312,500**	**$ 1,392,700**	**$ 1,478,200**	**$ 6,556,600**	

CITY OF HARRISONBURG

Capital Improvement Program

Priority 1 & 2 Projects

School Transportation Fund

FY 2023 through FY 2027

School Transportation Fund Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
School Buses	130	2	$ 480,000	$ 480,000	$ 480,000	$ 480,000	$ 480,000	$ 2,400,000	
School Buses IT	131	2	$ -	$ -	$ -	$ 250,000	$ -	$ 250,000	
TOTAL SCHOOL TRANSPORTATION FUND			**$ 480,000**	**$ 480,000**	**$ 480,000**	**$ 730,000**	**$ 480,000**	**$ 2,650,000**	
TOTAL AVAILABLE FROM SCHOOL TRANSPORTATION FUND			**$ (115,900)**	**$ (114,900)**	**$ (113,600)**	**$ (111,700)**	**$ (108,900)**	**$ (565,000)**	

CITY OF HARRISONBURG

Capital Improvement Program

Priority 1 & 2 Projects

Public Transportation Fund

FY 2023 through 2027

Public Transportation Fund Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
Transit Buses	132	2	$ 3,895,000	$ 240,000	$ 2,625,000	$ 2,200,000	$ 240,000	$ 9,200,000	
Transit IT	133	2	$ 200,000	$ -	$ -	$ -	$ -	$ 200,000	
TOTAL PUBLIC TRANSPORTATION FUND			**$ 4,095,000**	**$ 240,000**	**$ 2,625,000**	**$ 2,200,000**	**$ 240,000**	**$ 9,400,000**	**$ -**
Potential Other Funding Not Included in Available Revenues			**$ (3,931,200)**	**$ (230,400)**	**$ (2,520,000)**	**$ (2,112,000)**	**$ (230,400)**	**$ (9,024,000)**	**$ -**
TOTAL NEEDED FROM PUBLIC TRANSPORTATION FUND			**$ 163,800**	**$ 9,600**	**$ 105,000**	**$ 88,000**	**$ 9,600**	**$ 376,000**	**$ -**
TOTAL AVAILABLE FROM PUBLIC TRANSPORTATION FUND			**$ (124,400)**	**$ (165,300)**	**$ 37,300**	**$ 62,600**	**$ 90,800**	**$ (99,000)**	**$ -**

CITY OF HARRISONBURG

Capital Improvment Program
Priority 1 & 2 Projects
Sanitation Fund
FY 2023 through FY 2027

Sanitation Fund Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
City Landfill Closure & Monitoring	134	1	$ 125,000	$ 130,000	$ 130,000	$ 135,000	$ 135,000	$ 655,000	$ 1,533,600
TOTAL SANITATION FUND			**$ 125,000**	**$ 130,000**	**$ 130,000**	**$ 135,000**	**$ 135,000**	**$ 655,000**	**$ 1,533,600**
TOTAL NEEDED FROM SANITATION FUND			**$ 125,000**	**$ 130,000**	**$ 130,000**	**$ 135,000**	**$ 135,000**	**$ 655,000**	**$ 1,533,600**
TOTAL AVAILABLE FROM SANITATION FUND			**$ (232,700)**	**$ (311,700)**	**$ (388,700)**	**$ 1,041,300**	**$ 961,000**	**$ 1,069,200**	

CITY OF HARRISONBURG

Capital Improvement Program

Priority 1 & 2 Projects

Stormwater Fund

FY 2023 through FY 2027

Stormwater Fund Project Title	Page #	Project Priority	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL	Beyond
SWM Equipment Replacement	135	1	$ -	$ 250,000	$ -	$ -	$ -	$ 250,000	$ 255,000
VMRC Extended Detention Pond	136	2	$ 375,000	$ -	$ -	$ -	$ -	$ 375,000	
Temporary Credit Purchases	137	2	$ 80,892	$ 80,892	$ 81,151	$ -	$ -	$ 242,935	
Permanent Credit Purchases	138	2	$ 266,250	$ 266,250	$ 284,000	$ 284,000	$ 284,000	$ 1,384,500	
Drainage Improvement Program	139	2	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 100,000	$ 500,000	
Blacks Run South Stream Restoration	140	2	$ 2,254,406	$ -	$ -	$ -	$ -	$ 2,254,406	
TOTAL STORMWATER FUND			**$ 3,076,548**	**$ 697,142**	**$ 465,151**	**$ 384,000**	**$ 384,000**	**$ 5,006,841**	**$ 255,000**
Potential Other Funding, Excluding Bond Funds, Not Included in Available Revenues			**$ (1,589,518)**	**$ -**	**$ -**	**$ -**	**$ -**	**$ (1,589,518)**	**$ -**
TOTAL NEEDED FROM STORMWATER FUND			**$ 1,487,030**	**$ 697,142**	**$ 465,151**	**$ 384,000**	**$ 384,000**	**$ 3,417,323**	**$ 255,000**
TOTAL AVAILABLE FROM STORMWATER FUND			**$ 706,300**	**$ 691,300**	**$ 676,500**	**$ 663,100**	**$ 652,100**	**$ 3,389,300**	

CITY OF HARRISONBURG

5 Year Capital Improvement Request by Fund
Priority 1 and 2 Projects by Fund
FY 2023 through FY 2027

FUND	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL
General Fund	$ 24,237,915	$ 12,205,534	$ 40,818,037	$ 11,272,222	$ 6,258,000	$ 94,791,708
School Fund	$ 50,000	$ 1,760,000	$ 4,776,000	$ 2,903,000	$ -	$ 9,489,000
Water	$ 9,990,434	$ 3,871,031	$ 3,871,031	$ 3,871,031	$ 9,846,031	$ 31,449,558
Sewer	$ 1,303,420	$ 1,012,656	$ 1,112,656	$ 1,012,656	$ 887,656	$ 5,329,044
School Transportation	$ 480,000	$ 480,000	$ 480,000	$ 730,000	$ 480,000	$ 2,650,000
Public Transportation	$ 4,095,000	$ 240,000	$ 2,625,000	$ 2,200,000	$ 240,000	$ 9,400,000
Sanitation Fund	$ 125,000	$ 130,000	$ 130,000	$ 135,000	$ 135,000	$ 655,000
Stormwater Fund	$ 3,076,548	$ 697,142	$ 465,151	$ 384,000	$ 384,000	$ 5,006,841
Subtotal	**$ 43,358,317**	**$ 20,396,363**	**$ 54,277,875**	**$ 22,507,909**	**$ 18,230,687**	**$ 158,771,151**
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	$ (23,311,983)	$ (7,538,952)	$ (41,808,140)	$ (11,511,222)	$ (3,230,400)	$ (87,400,697)
TOTAL NEEDED BY ALL FUNDS	**$ 20,046,334**	**$ 12,857,411**	**$ 12,469,735**	**$ 10,996,687**	**$ 15,000,287**	**$ 71,370,454**
TOTAL AVAILABLE FROM ALL FUNDS	**$ 8,878,400**	**$ 8,362,450**	**$ 7,820,500**	**$ 10,100,700**	**$ 10,503,000**	**$ 45,665,050**

CITY OF HARRISONBURG

5 Year Capital Improvement Request by Department

FY 2023 through FY 2027

DEPARTMENT	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL
Information Technology	$ 130,000	$ 560,000	$ 310,000	$ 630,000	$ -	$ 1,630,000
Police	$ -	$ -	$ -	$ -	$ -	$ -
Fire	$ 6,032,250	$ 834,300	$ 378,000	$ 5,528,000	$ 278,000	$ 13,050,550
Emergency Communications Center	$ 150,000	$ 800,000	$ 10,445,000	$ 500,000	$ -	$ 11,895,000
General Properties	$ -	$ 3,500,000	$ 2,500,000	$ -	$ -	$ 6,000,000
Public Works	$ 17,168,665	$ 7,991,987	$ 26,006,276	$ 5,814,222	$ 6,680,000	$ 63,661,150
Parks and Recreation	$ 1,732,000	$ 1,585,800	$ 3,497,000	$ 119,000	$ 488,000	$ 7,421,800
Parking Services	$ 500,000	$ -	$ -	$ -	$ -	$ 500,000
Schools	$ 50,000	$ 1,760,000	$ 4,776,000	$ 2,903,000	$ -	$ 9,489,000
Water	$ 9,990,434	$ 3,871,031	$ 3,871,031	$ 3,871,031	$ 9,846,031	$ 31,449,558
Sewer	$ 1,303,420	$ 1,012,656	$ 1,112,656	$ 1,012,656	$ 887,656	$ 5,329,044
Transportation (School and Transit)	$ 4,575,000	$ 720,000	$ 3,105,000	$ 2,930,000	$ 720,000	$ 12,050,000
Sanitation	$ 125,000	$ 130,000	$ 130,000	$ 135,000	$ 135,000	$ 655,000
Stormwater	$ 3,076,548	$ 697,142	$ 465,151	$ 384,000	$ 384,000	$ 5,006,841
Subtotal	**$ 44,833,317**	**$ 23,462,916**	**$ 56,596,114**	**$ 23,826,909**	**$ 19,418,687**	**$ 168,137,943**
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	$ (23,611,983)	$ (8,760,205)	$ (43,676,379)	$ (11,911,222)	$ (3,230,400)	$ (91,190,189)
TOTAL NEEDED BY ALL DEPTS.	**$ 21,221,334**	**$ 14,702,711**	**$ 12,919,735**	**$ 11,915,687**	**$ 16,188,287**	**$ 76,947,754**
TOTAL AVAILABLE FROM ALL FUNDS	**$ 8,878,400**	**$ 8,362,450**	**$ 7,820,500**	**$ 10,100,700**	**$ 10,503,000**	**$ 45,665,050**

CITY OF HARRISONBURG

5 Year Capital Improvement Request by Fund

FY 2023 through FY 2027

FUND	FY 2022-2023	FY 2023-2024	FY 2024-2025	FY 2025-2026	FY 2026-2027	TOTAL
General Fund	$ 25,712,915	$ 15,272,087	$ 43,136,276	$ 12,591,222	$ 7,446,000	$ 104,158,500
Schools	$ 50,000	$ 1,760,000	$ 4,776,000	$ 2,903,000	$ -	$ 9,489,000
Water	$ 9,990,434	$ 3,871,031	$ 3,871,031	$ 3,871,031	$ 9,846,031	$ 31,449,558
Sewer	$ 1,303,420	$ 1,012,656	$ 1,112,656	$ 1,012,656	$ 887,656	$ 5,329,044
School Transportation	$ 480,000	$ 480,000	$ 480,000	$ 730,000	$ 480,000	$ 2,650,000
Public Transportation	$ 4,095,000	$ 240,000	$ 2,625,000	$ 2,200,000	$ 240,000	$ 9,400,000
Sanitation	$ 125,000	$ 130,000	$ 130,000	$ 135,000	$ 135,000	$ 655,000
Stormwater	$ 3,076,548	$ 697,142	$ 465,151	$ 384,000	$ 384,000	$ 5,006,841
Subtotal	**$ 44,833,317**	**$ 23,462,916**	**$ 56,596,114**	**$ 23,826,909**	**$ 19,418,687**	**$ 168,137,943**
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	$ (23,611,983)	$ (8,760,205)	$ (43,676,379)	$ (11,911,222)	$ (3,230,400)	$ (91,190,189)
TOTAL NEEDED BY ALL FUNDS	**$ 21,221,334**	**$ 14,702,711**	**$ 12,919,735**	**$ 11,915,687**	**$ 16,188,287**	**$ 76,947,754**
TOTAL AVAILABLE FROM ALL FUNDS	**$ 8,878,400**	**$ 8,362,450**	**$ 7,820,500**	**$ 10,100,700**	**$ 10,503,000**	**$ 45,665,050**

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Document Management System
Project Code: IT-SP008
Project Priority: Priority 3 **Project Type:** ADDITION **Start Date (FYE):** 2026
Department: 122011 **Status:** Active **Completion Date (FYE):** 2026

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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
FY2023 thru FY2027
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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$60,000			$60,000	$120,000
Other Expenses								$0
Total	$0	$0	$0	$60,000	$0	$0	$60,000	$120,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue				$60,000			$60,000	$120,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$60,000	$0	$0	$60,000	$120,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Citizen Inquiry Application
Project Code: IT-SP012
Project Priority: Priority 3 **Project Type:** ADDITION & RENOVATION **Start Date (FYE):** 2025
Department: 122011 **Status:** Active **Completion Date (FYE):** 2025

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$250,000				$250,000
Other Expenses								$0
Total	$0	$0	$0	$250,000	$0	$0	$0	$250,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$250,000	$0	$0	$0	$250,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating				$37,500	$37,500	$37,500	$37,500	$150,000
Capital								$0
Offsets								$0
Total	$0	$0	$0	$37,500	$37,500	$37,500	$37,500	$150,000

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Financial Package Upgrade
Project Code: IT-NSP06
Project Priority: Priority 2 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2024
Department: 122011 **Status:** Active **Completion Date (FYE):** 2024

Description:

Hire a consultant to perform a needs assessment, and then make a recommendation for an RFP for new or upgrade of the current financial system. This includes Fund Accounting, purchasing, fixed assets, budgeting and possibly warehouse inventory processing.

Justifications:

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

Explanation:

During the last eFinancePLUS upgrade, Central Square mentioned that they plan to phase out support for eFinancePLUS on-premise solutions, and they would require all their customers to move to their cloud solution. This means any software upgrades or changes, whether for use or mandated by state or federal law, would have to be purchased or programmed in-house.

Alternative:

We would need to either pay for custom programming or purchase the source code from Central Square and start programming any and all federal and state mandated changes including payroll taxes, vendor payment reporting, Affordable Care Act reporting, income tax reporting, or accounting rules.

Goals and Objectives

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses			$500,000					$500,000
Total	$0	$0	$500,000	$0	$0	$0	$0	$500,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$500,000	$0	$0	$0	$0	$500,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating			$75,000	$75,000	$75,000	$75,000	$75,000	$375,000
Capital								$0
Offsets								$0
Total	$0	$0	$75,000	$75,000	$75,000	$75,000	$75,000	$375,000

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: CAMS Phase IV
Project Code: IT-NSP03
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2024
Department: 122011 **Status:** Active **Completion Date (FYE):** 2024

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses			$60,000					$60,000
Total	$0	$0	$60,000	$0	$0	$0	$0	$60,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue			$60,000					$60,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$60,000	$0	$0	$0	$0	$60,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Storage System Replacement
Project Code: IT-NSP02
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2023
Department: 122011 **Status:** Active **Completion Date (FYE):** Ongoing

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.

Justifications:

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

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.

Goals and Objectives

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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.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$130,000			$130,000		$130,000	$390,000
Other Expenses								$0
Total	$0	$130,000	$0	$0	$130,000	$0	$130,000	$390,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$130,000			$130,000		$130,000	$390,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$130,000	$0	$0	$130,000	$0	$130,000	$390,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating			$20,000	$20,000	$20,000	$20,000	$20,000	$100,000
Capital								$0
Offsets								$0
Total	$0	$0	$20,000	$20,000	$20,000	$20,000	$20,000	$100,000

Capital Improvement Program
FY2023 thru FY2027
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: 310131 **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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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning							$31,824	$31,824
Land								$0
Construction							$297,840	$297,840
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$329,664	$329,664

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue							$329,664	$329,664
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$329,664	$329,664

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Fire Station 4 Renovation or Replacement
Project Code: HFD1
Project Priority: Priority 2 **Project Type:** REBUILD **Start Date (FYE):** 2023
Department: 320132 **Status:** Active **Completion Date (FYE):** 2023

Description:

Renovation / Replacement of Fire Station 4, located on E. Rock St. Current fire station is approaching 50 years of age. The station has significant issues which would require asbestos abatement, helical piers to stabilize ground below the existing station, addition of an ADA required elevator (if station remains a two-story station) and addition of a sprinkler system but does not address need to reduce travel distance within the station when an alarm for service is received. The current station is two stories.

Justifications:

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

Explanation:

In FY19-20, $2,000,000 was assigned to the HFD budget for a renovation of Station 4. To date, $149,147.95 was expended for Architectural design by ZHA Architects who estimate renovation cost of $3,597,876.39. With $1,850,852.05 remaining in current budget, the FD and Facilities Planner recommend using required funds, matched in FY21-22 with an additional $1,800,000 to fund a complete re-build of a new station on the same site. This recommendation is based on the most effective and efficient use of revenue from a cost/benefit model. The combined amount ($3,600,000) is projected to cover the entire project cost using a design/build model.

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Alternative:

Retain $1,850,852.05 to accomplish partial renovation of existing station within the confines of available funding. This would not alleviate current challenges, accelerating the need for additional funding in the future to replace the existing station.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning	$150,000							$150,000
Land								$0
Construction		$3,600,000						$3,600,000
Equipment								$0
Other Expenses								$0
Total	$150,000	$3,600,000	$0	$0	$0	$0	$0	$3,750,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds		$1,750,000						$1,750,000
Grants								$0
Capital Project Fund	$150,000	$1,850,000						$2,000,000
Other Revenue								$0
Total	$150,000	$3,600,000	$0	$0	$0	$0	$0	$3,750,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating			$15,750	$16,538	$17,365	$18,233	$19,145	$87,031
Capital								$0
Offsets								$0
Total	$0	$0	$15,750	$16,538	$17,365	$18,233	$19,145	$87,031

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Apparatus Replacement Program
Project Code: HFD2
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2023
Department: 320132 **Status:** Active **Completion Date (FYE):** 2034

Description:

Comprehensive Apparatus Replacement Plan for all major apparatus (Engines, Ladder Trucks, Heavy Technical Rescue Vehicles) in the fleet. This plan replaces (in order) a 1990 Engine in 2023, a 1996 Ladder Truck in 2023, a 2000 Engine in 2024, and a 2003 Engine in 2026 and a 2000 brush truck in 2027.

Justifications:

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

Explanation:

The Fire Department has developed a comprehensive 15-year replacement plan for all major vehicles in the fleet. By creating a plan based on objective empirical data, the City can more effectively predict and plan for replacement of essential fire apparatus. Projects listed below include replacement of an Engine and a Tower Ladder Truck is 2023, an Engine in 2024, an Engine in 2026 and a brush truck in 2027. Out year projects are listed in the plan.

Goals and Objectives

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Alternative:

Maintain the status quo of replacing certain vehicles on a linear schedule, based on years of service factor.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$2,432,250	$834,300		$850,000	$200,000		$4,316,550
Other Expenses								$0
Total	$0	$2,432,250	$834,300	$0	$850,000	$200,000	$0	$4,316,550

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$2,432,250	$834,300		$850,000	$200,000		$4,316,550
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$2,432,250	$834,300	$0	$850,000	$200,000	$0	$4,316,550

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Protective Equipment Replacement
Project Code: HFD3
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2025
Department: 320132 **Status:** Active **Completion Date (FYE):** 2027

Description:

Replacement of Firefighter Protective Equipment.

Explanation:

The purpose of this project is to ensure a regularly recurring replacement of structural firefighting personal protective equipment in accordance with national standards which recommends replacement of a set of PPE (based on normal wear and tear) every ten years. We propose splitting this into 3 years to minimize impact on any one budget year.

Justifications:

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

Goals and Objectives

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Alternative:

Continue to use gear past recommended life span.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$78,000	$78,000	$78,000		$234,000
Other Expenses								$0
Total	$0	$0	$0	$78,000	$78,000	$78,000	$0	$234,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue				$78,000	$78,000	$78,000		$234,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$78,000	$78,000	$78,000	$0	$234,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Fire Station #5 (Park View)
Project Code: HFD4
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2025
Department: 320132 **Status:** Active **Completion Date (FYE):** 2026

Description:

New fire station for the Park View area, which will improve response times to this area. The addition of this station would qualify the City to attain an ISO Class 1 credential and be one of only 240 Departments nationwide to hold such a grading (out of 47,000). 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 11,000 sq. ft. Costs below represent the general fire station and fire engine costs.

Justifications:

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

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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. It is expected that this station would handle at least 1000 calls for service in its first year of operation. VMRC and EMU are both located in this district, as well as rapidly expanding commercial growth and significant residential settings. This would also reduce response times along West Market Street (depending on exact location).

If the Station is funded, staff would pursue a federal grant to pay for the personnel costs identified. If awarded, the grant would pay 100 percent of the personnel costs for the initial three years of employment and then transfer the costs to the City thereafter.

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.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning				$250,000				$250,000
Land				$50,000				$50,000
Construction					$3,500,000			$3,500,000
Equipment					$250,000			$250,000
Other Expenses					$850,000			$850,000
Total	$0	$0	$0	$300,000	$4,600,000	$0	$0	$4,900,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds				$300,000	$4,600,000			$4,900,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$300,000	$4,600,000	$0	$0	$4,900,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel						$871,000	$871,000	$1,742,000
Operating							$15,202	$15,202
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$871,000	$886,202	$1,757,202

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Construct New ECC
Project Code: HRECC2
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2025
Department: 321132 **Status:** Active **Completion Date (FYE):** 2025

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	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	$150,000	$0	$9,450,000	$0	$0	$0	$9,600,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$75,000		$250,000				$325,000
Enterprise Revenue								$0
Bond Proceeds				$4,400,000				$4,400,000
Grants				$150,000				$150,000
Capital Project Fund								$0
Other Revenue		$75,000		$4,650,000				$4,725,000
Total	$0	$150,000	$0	$9,450,000	$0	$0	$0	$9,600,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Replace Microwave Radio System
Project Code: HRECC3
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2023
Department: 321132 **Status:** Active **Completion Date (FYE):** 2024

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
General Revenue	$300,000			$312,500				$612,500
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund	$1,275,000							$1,275,000
Other Revenue	$300,000			$312,500				$612,500
Total	$1,875,000	$0	$0	$625,000	$0	$0	$0	$2,500,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: HVAC System Replacement
Project Code: HRECC8
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2024
Department: 321132 **Status:** Active **Completion Date (FYE):** 2024

Description:

Replace the HVAC system that controls the temperature to the Operations Floor.

Explanation:

The current HVAC system controlling the temperature on the Operations Floor has not been replaced in many years. Investigation into the exact installation/upgrade dates is underway. The maintenance agreement this year added additional costs for freon, which is an indicator that the system is nearing end of life and will become costly to service. Emergency Communications Centers require year round cooling (even in winter) to remain temperate and to protect the large amount of electronics on the floor.

Alternative:

We will continue to service the existing system for the next fiscal year but must plan for replacement as soon as possible to avoid full system failure and to avoid mounting expensive emergency repairs.

Justifications:

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$250,000					$250,000
Other Expenses			$150,000					$150,000
Total	$0	$0	$400,000	$0	$0	$0	$0	$400,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue			$200,000					$200,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue			$200,000					$200,000
Total	$0	$0	$400,000	$0	$0	$0	$0	$400,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Cisco Switch Hardware Refresh Program
Project Code: HRECC10
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2026
Department: 321132 **Status:** Active **Completion Date (FYE):** 2026

Description:

Replace aging Cisco switches on various parts of the network

Explanation:

Replacing and adding switches for redundancy at the back up site in FY23 for $20,000. Replacing and upgrading the 4 core switches for the CAD network which will have reached their "age out" in FY2025.

Alternative:

Could be replaced with a less expensive model however, ECC suffered a network intrusion event in the fall of 2020 and it is important to continue to harden our various networks to prevent, detect, and respond to any future attacks.

Justifications:

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$170,000				$170,000
Other Expenses								$0
Total	$0	$0	$0	$170,000	$0	$0	$0	$170,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue				$85,000				$85,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue				$85,000				$85,000
Total	$0	$0	$0	$170,000	$0	$0	$0	$170,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Network Backup Solution Upgrade
Project Code: HRECC11
Project Priority: Priority 3 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2025
Department: 321132 **Status:** Active **Completion Date (FYE):** 2025

Description:

Improve CAD and ECC back up system and storage.

Explanation:

Adding the Rubrik backup solution to the veeam existing solution. The current solution requires numerous ECC IT personnel man hours, as well as consultant and vendor interjection to keep the system operating as it should. Solid and consistent back ups are the only way we survive a cyberattack and how we recover from potential system failures. This option allows us access to greatly improved ransomware and other cybersecurity tools for increased security.

Alternative:

We could continue to simply upgrade the existing system with hardware/software refreshes for a less expensive option but we leave our systems less secure and risk having data loss during our times of ongoing maintenance & storage issues with the current system.

Justifications:

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

Goals and Objectives

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$100,000				$100,000
Other Expenses				$100,000				$100,000
Total	$0	$0	$0	$200,000	$0	$0	$0	$200,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue				$100,000				$100,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue				$100,000				$100,000
Total	$0	$0	$0	$200,000	$0	$0	$0	$200,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: CAD High Availability
Project Code: HRECC12
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2026
Department: 321132 **Status:** Active **Completion Date (FYE):** 2026

Description:

Modify the CAD network and operations so that the system operates a "high availability" with full redundancy.

Justifications:

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

Explanation:

Looking to make changes that would allow upgrades and maintenance to take place without downtime to the users across the CAD and all related user systems (Police & Fire RMS systems, jail programs etc). This would also allow the ECC Operations Floor to continue operating on the CAD if the server equipment was lost at ECC w/near zero downtime and allow the back up center to be operational with near zero downtime.

Alternative:

We could operate as we are. However, we will lose a minimum of 8 hours of data on all servers and applications as we switch to the back up servers. All maintenance and upgrades will require business hour outages ranging from 2 to 8 hours each time.

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Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
General Revenue					$250,000			$250,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue					$250,000			$250,000
Total	$0	$0	$0	$0	$500,000	$0	$0	$500,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: UPS Replacement
Project Code: HRECC13
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2024
Department: 321132 **Status:** Active **Completion Date (FYE):** 2024

Description:

Update the 2004 Uninterruptible Power Supply (UPS).

Explanation:

The UPS keeps ECC running as a bridge to the generator and in the event of a generator failure.

Alternative:

None. Failure to update this aging system runs the risk of causing major damage to the numerous computers/servers/phones/etc in a power failure.

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$300,000					$300,000
Other Expenses			$100,000					$100,000
Total	$0	$0	$400,000	$0	$0	$0	$0	$400,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue			$200,000					$200,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue			$200,000					$200,000
Total	$0	$0	$400,000	$0	$0	$0	$0	$400,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Renovation of Old Municipal Building
Project Code: MGR3
Project Priority: Priority 2 **Project Type:** RENOVATION **Start Date (FYE):** 2024
Department: 9101 **Status:** Active **Completion Date (FYE):** 2025

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	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	$0	$2,500,000	$2,500,000	$0	$0	$0	$5,570,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$0	$2,500,000	$2,500,000	$0	$0	$0	$5,570,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating				$99,400	$101,400		$103,400	$304,200
Capital								$0
Offsets								$0
Total	$0	$0	$0	$99,400	$101,400	$0	$103,400	$304,200

Capital Improvement Program
FY2023 thru FY2027
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):** 2024

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land	$565,000							$565,000
Construction			$1,000,000					$1,000,000
Equipment								$0
Other Expenses								$0
Total	$565,000	$0	$1,000,000	$0	$0	$0	$0	$1,565,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$0	$1,000,000	$0	$0	$0	$0	$1,565,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating				$12,600	$12,900	$13,200	$13,500	$52,200
Capital								$0
Offsets								$0
Total	$0	$0	$0	$12,600	$12,900	$13,200	$13,500	$52,200

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Country Club Road (2) bridges (43372)
Project Code: PWSTBG03
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** Beyond
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. The second is structure #6585 and is located near Spotswood Trailer Park on Country Club Road. Both structures are planned for beyond due to the planned I-81 reconstruction and potential impacts to the I-81 over Country Club Road bridge. If those structures are replaced more ability for improvements to Country Club Rd become available, and bridge replacement would be incorporated into those projects.

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.

Goals and Objectives

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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.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning							$900,000	$900,000
Land							$500,000	$500,000
Construction							$3,000,000	$3,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$4,400,000	$4,400,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue							$1,700,000	$1,700,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,200,000	$2,200,000
Capital Project Fund								$0
Other Revenue							$500,000	$500,000
Total	$0	$0	$0	$0	$0	$0	$4,400,000	$4,400,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Water Street Bridge
Project Code: PWSTBG09
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2024
Department: 410241 **Status:** Active **Completion Date (FYE):** 2027

Description:

Rebuild Water Street bridge over Norfolk Southern Railroad. Bridge owned by Norfolk Southern Railroad, however Public Works is exploring various funding options with VDOT for this bridge replacement.

Justifications:

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

Explanation:

Recommended by annual bridge inspection program. Funds by Railroad or potential VDOT grants. 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.

Goals and Objectives

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning			$750,000					$750,000
Land				$1,000,000				$1,000,000
Construction						$3,000,000		$3,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$750,000	$1,000,000	$0	$3,000,000	$0	$4,750,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue			$750,000	$1,000,000		$3,000,000		$4,750,000
Total	$0	$0	$750,000	$1,000,000	$0	$3,000,000	$0	$4,750,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Dogwood Culvert
Project Code: PWSTBG11
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2023
Department: 410241 **Status:** Active **Completion Date (FYE):** 2023

Description:

The existing box culvert along Dogwood Drive between Hillandale Avenue and Cedar Street has developed a hole in the top surface. Public Works has temporarily placed a steel plate over the damaged section of box culvert and performed an engineering analysis of the structure. It has been determined that the box culvert should be replaced, as it has reached the end of its useful life.

Justifications:

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

Explanation:

The temporary steel plate is not intended to be a permanent remedy for this issue and replacement is necessary.

Alternative:

None.

Goals and Objectives

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land		$25,000						$25,000
Construction		$600,000						$600,000
Equipment								$0
Other Expenses								$0
Total	$0	$625,000	$0	$0	$0	$0	$0	$625,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$625,000						$625,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$625,000	$0	$0	$0	$0	$0	$625,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning		$65,000	$70,000	$70,000	$70,000	$80,000		$355,000
Land								$0
Construction		$90,000	$100,000	$100,000	$100,000	$110,000		$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$155,000	$170,000	$170,000	$170,000	$190,000	$0	$855,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$155,000	$170,000	$170,000	$170,000	$190,000		$855,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$155,000	$170,000	$170,000	$170,000	$190,000	$0	$855,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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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O 13.1

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction		$245,000	$245,000	$250,000	$255,000	$255,000		$1,250,000
Equipment								$0
Other Expenses								$0
Total	$0	$245,000	$245,000	$250,000	$255,000	$255,000	$0	$1,250,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$245,000	$245,000	$250,000	$255,000	$255,000		$1,250,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$245,000	$245,000	$250,000	$255,000	$255,000	$0	$1,250,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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--139.4 centerline miles of street currently in inventory.

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.

Justifications:

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

Goals and Objectives

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O 13.1

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction		$2,000,000	$2,100,000	$2,100,000	$2,200,000	$2,200,000		$10,600,000
Equipment								$0
Other Expenses								$0
Total	$0	$2,000,000	$2,100,000	$2,100,000	$2,200,000	$2,200,000	$0	$10,600,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$2,000,000	$2,100,000	$2,100,000	$2,200,000	$2,200,000		$10,600,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$2,000,000	$2,100,000	$2,100,000	$2,200,000	$2,200,000	$0	$10,600,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Stone Spring Road & Ramblewood Road New Traffic Signal
Project Code: PWTELN04
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** 2023
Department: 410741 **Status:** Active **Completion Date (FYE):** 2023

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction		$600,000						$600,000
Equipment								$0
Other Expenses								$0
Total	$0	$600,000	$0	$0	$0	$0	$0	$600,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$300,000						$300,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue		$300,000						$300,000
Total	$0	$600,000	$0	$0	$0	$0	$0	$600,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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

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Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: East Market Street and Reservoir Street Traffic Signal Upgrade
Project Code: PWTELU01
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** 2023
Department: 410741 **Status:** Active **Completion Date (FYE):** 2023

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

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O 13.1

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning		$75,000						$75,000
Land		$25,000						$25,000
Construction		$600,000						$600,000
Equipment								$0
Other Expenses								$0
Total	$0	$700,000	$0	$0	$0	$0	$0	$700,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$700,000						$700,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$700,000	$0	$0	$0	$0	$0	$700,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Old Furnace / Vine Signal Upgrade
Project Code: PWTELU02
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** 2026
Department: 410741 **Status:** Active **Completion Date (FYE):** 2027

Description:

Old Furnace and Vine Street signal upgrades. This project would replace this span wire intersection with a upright and mast arm intersection with pedestrian facilities.

Explanation:

This span wire signal has been hit by dump trucks 2 times in the past 8 years. Both accidents required full closure of the roadway and loss of power to the surrounding area while the span wire and heads were reconstructed. This is a truck corridor, during the day, due to the concrete and asphalt plants located on Country Club Road.

Alternative:

Keep and maintain existing infrastructure.

Justifications:

Mandated
x-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	2023	2024	2025	2026	2027	Future	Total
Planning					$100,000			$100,000
Land					$50,000			$50,000
Construction						$600,000		$600,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$150,000	$600,000	$0	$750,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue					$150,000	$600,000		$750,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$150,000	$600,000	$0	$750,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Bruce Street and Liberty Street Signal Upgrade
Project Code: PWTELU03
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** 2027
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Bruce Street and Liberty Street signal upgrades. This project would replace this span wire intersection with a decorative upright and mast arm intersection with pedestrian facilities.

Explanation:

This span wire intersection is located at one of the entry points into Downtown and an upgrade would to a decorative upright and mast arm signal would improve the operations and appearance of the intersection.

Alternative:

Keep and maintain existing infrastructure.

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	2023	2024	2025	2026	2027	Future	Total
Planning						$50,000		$50,000
Land								$0
Construction							$350,000	$350,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$50,000	$350,000	$400,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue						$50,000	$350,000	$400,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$50,000	$350,000	$400,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Chicago Avenue and Gay Street Signal Upgrade
Project Code: PWTELU04
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** Beyond
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Chicago Avenue and Gay Street signal upgrades. This project would replace this span wire intersection with an upright and mast arm intersection with pedestrian facilities.

Explanation:

This is a span wire intersection that would benefit from an upgrade to upright and mast arm as well as the addition of pedestrian signals.

Alternative:

Keep and maintain existing infrastructure.

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	2023	2024	2025	2026	2027	Future	Total
Planning							$100,000	$100,000
Land							$50,000	$50,000
Construction							$600,000	$600,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$750,000	$750,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue							$750,000	$750,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$750,000	$750,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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

Goals and Objectives

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O 13.1
O 13.2

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.

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$50,000	$50,000	$60,000	$60,000	$60,000		$280,000
Other Expenses								$0
Total	$0	$50,000	$50,000	$60,000	$60,000	$60,000	$0	$280,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$50,000	$50,000	$60,000	$60,000	$60,000		$280,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$50,000	$60,000	$60,000	$60,000	$0	$280,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0

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

Capital Improvement Program
FY2023 thru FY2027
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):** Beyond

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$150,000	$150,000	$150,000	$150,000	$150,000	$150,000	$900,000
Other Expenses								$0
Total	$0	$150,000	$150,000	$150,000	$150,000	$150,000	$150,000	$900,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$150,000	$150,000	$150,000	$150,000	$150,000	$150,000	$900,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$150,000	$150,000	$150,000	$150,000	$150,000	$150,000	$900,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2026

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$50,000	$50,000	$60,000	$60,000			$220,000
Other Expenses								$0
Total	$0	$50,000	$50,000	$60,000	$60,000	$0	$0	$220,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$50,000	$50,000	$60,000	$60,000			$220,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$50,000	$60,000	$60,000	$0	$0	$220,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Enhanced Signage Equipment
Project Code: PWTEM05
Project Priority: Priority 3 **Project Type:** NEW **Start Date (FYE):** 2022
Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

To provide enhanced signage for various traffic related issues that may arise. Enhanced signage are signs that have unique features that provide additional driver awareness through lights or messages. Examples of enhanced signage would be Speed Radar signs, Rapid Flashing Pedestrian Beacons, LED Embedded advisory signs, and signs with additional flashing lights attached. Public Works has developed installation metrics for each of these signs, and those metrics would need to be met prior to the implementation of each type of sign.

Justifications:

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

Explanation:

Enhanced signage provides a means of better communication to drivers of a situation where their greater awareness is required. They do this by providing real-time feedback as with a speed radar sign, or with flashing lights to grab the driver's attention. This program would allow for Public Works to implement these signs throughout the City as needed and warranted based on established metrics.

Goals and Objectives

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Alternative:

Continue standard street sign program.

Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Traffic Signal Pole Anchor Bolts UT Inspection

Project Code: PWTEPBUT

Project Priority: Priority 1 **Project Type:** REPAIR **Start Date (FYE):** 2022

Department: 410741 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Ultra Sound testing of traffic signal pole anchor bolts for all of the 88 intersections consisting of 340 traffic signal poles.

Explanation:

VDOT/FHWA mandated inspection every four years to ensure that anchor bolts are not cracked or damaged. Inspections are needed to ensure safety of the public and liability. PW traffic engineering crews perform all remaining inspections of the traffic signal poles.

Alternative:

None.

Justifications:

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

Goals and Objectives

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses						$75,000	$75,000	$150,000
Total	$0	$0	$0	$0	$0	$75,000	$75,000	$150,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue						$75,000	$75,000	$150,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$75,000	$75,000	$150,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2025

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 higher visibility can improve the overall safety of the roadway by reducing driver confusion. The program is currently at a 60% completion level.

South Main Street & South Avenue
East Market Street & Mason Street/South High Street & MLK Jr. Way
South High Street & Grace Street/South High Street & Maryland Avenue/South High Street & South Avenue

University Boulevard & Valley Mall/Burgess Road & Harrisonburg Crossing/Evelyn Byrd Avenue & Burgess Road/Reservoir Street & Harrisonburg Crossing

North Mason Street & Gay Street/North Mason Street & Wolfe Street/North Mason Street & Elizabeth Street/North Main Street & Gay Street

Early Road & Pleasant Valley Road/North Main Street & North Mason Street/North Main Street & Washington Street/North Main Street, Vine Street, & Mt. Clinton Pike/Noll Drive & Gay Street/West Market Street & Liberty Street/South Liberty Street & Water Street/South Liberty Street & Bruce Street/Neff Avenue & Evelyn Byrd Avenue/Garbers Church Road & Erickson Avenue

Garbers Church Road & High School North Parking Lot/Garbers Church Road & High School South Parking Lot/North Liberty Street & Mt. Clinton Pike/MLK Jr. Way & Reservoir Street/MLK Jr. Way & Paul Street
Linda Lane & Country Club Road/Country Club Road & Blue Ridge Drive/Vine Street & Old Furnace Road/Linda Lane & Skyline School/Warsaw Street & Harrison Street

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

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O 13.1

Alternative:

Continue standard street sign program.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$50,000	$50,000	$50,000				$150,000
Other Expenses								$0
Total	$0	$50,000	$50,000	$50,000	$0	$0	$0	$150,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$50,000	$50,000	$50,000				$150,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$50,000	$50,000	$50,000	$0	$0	$0	$150,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0

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

Capital Improvement Program
FY2023 thru FY2027
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

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O 14.2

Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: New Public Works Facility
Project Code: PWSTB03
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2023
Department: 9101 **Status:** Active **Completion Date (FYE):** 2023

Description:

Construction of a new Public Works Administrative Building located on the existing Mosby site. The new building would be constructed outside of the FEMA Flood Way and Flood Plain, and be placed where the existing staff parking lot is located. The building would include roughly 16,000 square feet of space for Public Works administrative operations, 3,500 square feet of space for Fire Department logistical operations, and roughly 3,000 square feet for the Police Department's Mosby Road Substation. Total building square footage would be 22,500 square feet. A cost of $150 per square foot is estimated for construction.

Justifications:

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

Goals and Objectives

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Explanation:

During FY20 Public Works conducted a Building Feasibility Study to determine if the existing administrative building could be renovated to meet the growing needs of the department. It was discovered that an additional 6,000 square feet of space is needed to accommodate both current operations and the future (5 year look ahead). The architect then discovered that due to the existing building being located within both the FEMA Flood Way and Flood Plain, options for the renovation were very limited. Due to the amount of existing infrastructure located at the Mosby site (truck sheds, equipment storage, salt storage, etc.), it was impractical to suggest moving the entire Public Works facility to a new location. This proposal allows for new administrative offices while maintaining all current operational facilities.

Alternative:

Continue to operate in a facility that is past its useful life and undersized for the department that uses it.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning		$400,000						$400,000
Land								$0
Construction		$6,000,000						$6,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$6,400,000	$0	$0	$0	$0	$0	$6,400,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue		$6,400,000						$6,400,000
Total	$0	$6,400,000	$0	$0	$0	$0	$0	$6,400,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2026

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

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O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	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	$0	$500,000	$0	$0	$2,050,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$0	$500,000	$0	$0	$2,050,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Carpenter Lane/Pike Church Road 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 Lane with intersection of Pike Church Road and South Main Street.

Explanation:

To improve safety and planned future signalization of Pike Church Road and South Main Street.

Alternative:

Close Carpenter Lane.

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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O 13.1

Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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 ROW and Construction.

Alternative:

Continue to operate with a two-lane roadway.

Goals and Objectives

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O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: South Main Street and I-81 Exit 243 Interchange Improvements
Project Code: PWSTP05
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2023
Department: 9101 **Status:** Active **Completion Date (FYE):** 2025

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 Street to the on ramp, and small on and off ramp lane changes. Smart Scale application.

Explanation:

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

Alternative:

None.

Justifications:

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

Goals and Objectives

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O 13.1
O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning		$840,646						$840,646
Land			$460,473					$460,473
Construction				$4,429,905				$4,429,905
Equipment								$0
Other Expenses								$0
Total	$0	$840,646	$460,473	$4,429,905	$0	$0	$0	$5,731,024

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants		$140,646	$460,473	$4,429,905				$5,031,024
Capital Project Fund								$0
Other Revenue		$700,000						$700,000
Total	$0	$840,646	$460,473	$4,429,905	$0	$0	$0	$5,731,024

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Carlton Street Improvement
Project Code: PWSTP09
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** Beyond

Description:

Phase I: Complete

Phase II: Provide pedestrian/bike connection between Stone Spring Road to the new High School site and Ramblewood Park. Smart Scale application.

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	2023	2024	2025	2026	2027	Future	Total
Planning	$200,000						$694,734	$894,734
Land							$234,713	$234,713
Construction	$1,125,000						$8,494,779	$9,619,779
Equipment								$0
Other Expenses								$0
Total	$1,325,000	$0	$0	$0	$0	$0	$9,424,226	$10,749,226

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue	$675,000							$675,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$650,000						$9,424,226	$10,074,226
Capital Project Fund								$0
Other Revenue								$0
Total	$1,325,000	$0	$0	$0	$0	$0	$9,424,226	$10,749,226

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Greendale Road
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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: University Boulevard & Evelyn Byrd - Sidewalk
Project Code: PWSTP14
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2022
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	2023	2024	2025	2026	2027	Future	Total
Planning	$250,000							$250,000
Land		$1,296,000						$1,296,000
Construction			$1,969,000					$1,969,000
Equipment								$0
Other Expenses								$0
Total	$250,000	$1,296,000	$1,969,000	$0	$0	$0	$0	$3,515,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$250,000	$1,296,000	$1,969,000					$3,515,000
Capital Project Fund								$0
Other Revenue								$0
Total	$250,000	$1,296,000	$1,969,000	$0	$0	$0	$0	$3,515,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Country Club Road
Project Code: PWSTP25
Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** Beyond
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Phase I Country Club Road (Formerly MLK Way Extension) (Beyond)- From Blue Ridge Drive to the I-81 overpass. 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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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 four-lane facility, including turn lanes 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	2023	2024	2025	2026	2027	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	$0	$0	$2,800,000	$2,800,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,800,000	$2,800,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$2,800,000	$2,800,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

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

Description:

Realign the intersection of Smithland Road and Old Furnace Road to make Smithland Road the through movement and Old Furnace (from the County) the stop condition. Construction a shared use path from this intersection to connect to the existing shared use path located along Smithland Road near Smithland Fields.

Explanation:

This intersection is currently configured so that Smithland Road (from City) has to stop and Old Furnace Road has the through. However, this intersection has poor sight distance due to the curvature of the roadway and the location of the Smithland Road intersection. This project would realign this intersection to improve safety. The shared use path would be an extension of a current shared use path in the City that connects to Country Club Road.

Alternative:

Use existing insufficient facilities.

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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2024

Description:

Phase I (complete): Construct a 10' wide paved multiuse path along Blacks Run between Mt. Clinton Pike and Suter Street on independent alignment. VDOT Revenue Sharing grant.

Mt Clinton Phase (underway - expenditures and funding information in FY23 is for this phase): Construct a 10' wide paved multiuse path on north side of road between Virginia Avenue and Park Road. Enhance crosswalk at Chicago Avenue/Mt Clinton Pike. Fill in sidewalk gaps on southside of road between Virginia Avenue and Park Road, as budget allows. VDOT Revenue Sharing grant.

Northend Greenway Phase 3: Construct the path along the south side of Mt. Clinton Pike between Virginia Ave and the railroad tracks, and construct intersection improvements at Mt. Clinton Pike and Virginia Ave to facilitate path connectivity through the intersection. Funded by a Public Access Grant from the Preservation Trust Fund, through the Virginia Outdoors Foundation.

Northend Greenway railroad crossing: Construct a path crossing of the railroad tracks that is separated from the existing Mt. Clinton Pike roadway. Would improve safety and create a continuous experience for path users. Project design and funding not yet determined.

Northend Greenway Brookside Phase (expenditures and funding information in FY24 is for this phase): Construct a 10' wide paved path along Blacks Run between the existing path at Jefferson St and Roberts Court, with a connection to Drake Lane. Seeking funding from VDOT Transportation Alternatives Program (TAP).

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

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 was paved by the City. 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. The Brookside Phase would construct the path between Jefferson St and Roberts Court, with a connection to Drake Lane, to improve neighborhood access and continuity of the off-street Greenway. Additional phases will construct the path to North Main Street.

Alternative:

Do not complete planned project.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning	$287,018							$287,018
Land	$50,000							$50,000
Construction		$2,800,000	$300,000					$3,100,000
Equipment								$0
Other Expenses								$0
Total	$337,018	$2,800,000	$300,000	$0	$0	$0	$0	$3,437,018

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue	$168,509	$1,400,000	$60,000					$1,628,509
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$168,509	$1,400,000	$240,000					$1,808,509
Capital Project Fund								$0
Other Revenue								$0

Total	$337,018	$2,800,000	$300,000	$0	$0	$0	$0	$3,437,018

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2025

Description:

Phase I: Construct sidewalk and curb/gutter on North Main Street from Holly Hill Drive to Vine Street. Smart Scale application.

Phase II: Construct sidewalk on Vine Street from North Main Street to Harris Gardens apartment complex.

Phase III: Construct a sidewalk on west side of North Main Street from Mt. Clinton Pike to Charles Street.

Justifications:

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

Explanation:

Provide connection to an income-based housing complex where residents rely on alternative transportation to access daily needs in the downtown area.

Goals and Objectives

G 13
O 13.2

Alternative:

Do not build the sidewalk and wait for private development or redevelopment to occur, which could result in the private developer providing the sidewalk improvements.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning	$180,000							$180,000
Land			$205,982	$2,126,323				$2,332,305
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$180,000	$0	$205,982	$2,126,323	$0	$0	$0	$2,512,305

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$180,000		$205,982	$2,126,323				$2,512,305
Capital Project Fund								$0
Other Revenue								$0
Total	$180,000	$0	$205,982	$2,126,323	$0	$0	$0	$2,512,305

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

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

Description:

Project #1 - Construct a five-foot sidewalk on north side of Reservoir Street between the Harrisonburg Crossing entrance and Martin Luther King Jr. Way.

Project #2 - Construct a five-foot sidewalk on the north side of Reservoir Street between Hawkins and Franklin Street.

Justifications:

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

Explanation:

Project #1 - 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.

Project #2 - Due to the COVID-19 Pandemic and limited school bus capacity, Harrisonburg City Schools have begun an initiative where students within specified walking distances of schools would be required to walk and would not be provided a bus. This initiative would remain in place after the pandemic due to the overall benefits to the school system. This segment of Reservoir is within the Spotswood Elementary School area and would meet this distance requirement if sidewalks were located along this segment of Reservoir St, which would connect Hawkins and Franklin to the recently upgrade crossing of Reservoir St at Hawkins Street.

Goals and Objectives

G 7
O 7.1
G 13
O 13.1
O 13.2

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.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning							$325,000	$325,000
Land							$150,000	$150,000
Construction							$2,500,000	$2,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$2,975,000	$2,975,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,975,000	$2,975,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$2,975,000	$2,975,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: South Main Street Access Management
Project Code: PWSTP42
Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** Prior
Department: 9101 **Status:** Active **Completion Date (FYE):** 2025

Description:

The project adds a 3' wide concrete median on S. Main Street from just south of Mosby Road to the intersection with Stone Spring Rd/Erickson Ave, with a break in the median to maintain full access entrance to Dukes Plaza. The median will prevent left turns into and out of many commercial entrances, thereby reducing crashes. The project also adds a sidewalk on the east side of the road, and shelters at three bus stops, to improve multimodal access on the corridor. Smart Scale application.

Justifications:

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

Explanation:

Improve safety and efficiency on S. Main St.

Alternative:

Opportunities to phase the project.

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning	$371,795							$371,795
Land			$521,253					$521,253
Construction				$1,768,239				$1,768,239
Equipment								$0
Other Expenses								$0
Total	$371,795	$0	$521,253	$1,768,239	$0	$0	$0	$2,661,287

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$371,795		$521,253	$1,768,239				$2,661,287
Capital Project Fund								$0
Other Revenue								$0
Total	$371,795	$0	$521,253	$1,768,239	$0	$0	$0	$2,661,287

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: University Boulevard Relocation
Project Code: PWSTP43
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Prior
Department: 9101 **Status:** Active **Completion Date (FYE):** 2026

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. Other revenue is provided by JMU.

Justifications:

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

Explanation:

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

Alternative:

None.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning	$776,000							$776,000
Land		$1,145,000						$1,145,000
Construction				$7,152,000	$1,349,222			$8,501,222
Equipment								$0
Other Expenses								$0
Total	$776,000	$1,145,000	$0	$7,152,000	$1,349,222	$0	$0	$10,422,222

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$388,000	$572,500		$3,576,000	$463,500			$5,000,000
Capital Project Fund								$0
Other Revenue	$388,000	$572,500		$3,576,000	$885,722			$5,422,222
Total	$776,000	$1,145,000	$0	$7,152,000	$1,349,222	$0	$0	$10,422,222

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Port Republic Road - Bluestone intersection
Project Code: PWSTP45
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** Prior
Department: 9101 **Status:** Active **Completion Date (FYE):** 2025

Description:

Increase the eastbound left turn lane storage length on Port Republic Road at Bluestone Drive from 100 feet to 300 feet. Construct sidewalk on south side of Port Republic Road between Hillside Avenue and Crawford Avenue Smart Scale application.

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 this intersection to increase safety and reduce congestion on this high-traffic corridor.

Alternative:

Maintain existing infrastructure and lanes.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning	$334,348							$334,348
Land			$254,943					$254,943
Construction				$2,335,655				$2,335,655
Equipment								$0
Other Expenses								$0
Total	$334,348	$0	$254,943	$2,335,655	$0	$0	$0	$2,924,946

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$334,348		$254,943	$2,335,655				$2,924,946
Capital Project Fund								$0
Other Revenue								$0
Total	$334,348	$0	$254,943	$2,335,655	$0	$0	$0	$2,924,946

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Port Republic Road Sidewalk - Main Street to Crawford Avenue
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 South Main Street and Crawford Avenue. Relocate crosswalks at the intersection of Port Republic Road and South Main Street to be perpendicular to shorten crossing distance and reduce pedestrian/vehicle conflicts.

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 four 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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Erickson / Pear Street Intersection Improvements
Project Code: PWSTP48
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2025
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Install a "Michigan Left Turn" at the intersection of Erickson Avenue and Pear Street. 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. The City and VDOT completed a study through the STARS program to determine the overall benefits of this project. Smart Scale application.

Alternative:

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

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	2023	2024	2025	2026	2027	Future	Total
Planning							$414,592	$414,592
Land							$146,106	$146,106
Construction							$2,514,076	$2,514,076
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$3,074,774	$3,074,774

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,952,198	$2,952,198
Capital Project Fund								$0
Other Revenue							$122,576	$122,576
Total	$0	$0	$0	$0	$0	$0	$3,074,774	$3,074,774

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Port Republic Road - Bradley Drive Signal
Project Code: PWSTP49
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** Prior
Department: 9101 **Status:** Active **Completion Date (FYE):** 2025

Description:

Project adds a traffic signal, including signalized crosswalks, at the Port Republic Road/Bradley Drive intersection. Sidewalk and bike lane will be reconstructed. A median will be constructed on Port Republic Road along the entire segment between Bradley Drive and Devon Lane. A channelizing island will be added at Hunters Road/Port Republic Road intersection to prohibit left turns. Project was recommended by the Port Republic Road Safety and Operations Study, completed in 2019 in partnership with the Harrisonburg Rockingham Metropolitan Planning Organization. Smart Scale application.

Justifications:

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

Explanation:

Improves safety and efficiency of Port Republic Road.

Goals and Objectives

G 13
O 13.1

Alternative:

Decrease scope of project into smaller phases.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning	$440,026							$440,026
Land			$419,424					$419,424
Construction				$3,242,169				$3,242,169
Equipment								$0
Other Expenses								$0
Total	$440,026	$0	$419,424	$3,242,169	$0	$0	$0	$4,101,619

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$440,026		$419,424	$3,242,169				$4,101,619
Capital Project Fund								$0
Other Revenue								$0
Total	$440,026	$0	$419,424	$3,242,169	$0	$0	$0	$4,101,619

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Port Republic Road - Forest Hill Road
Project Code: PWSTP50
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2028
Department: 9101 **Status:** Active **Completion Date (FYE):** 2032

Description:

Construct westbound right turn lane with 100' of storage and 100' taper at the intersection of Port Republic Road and Forest Hill Road. Potential for funding through Smart Scale program.

Justifications:

Mandated
x-Remove hazards
x-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 this intersection to increase safety and reduce congestion on this high-traffic corridor.

Alternative:

Maintain existing infrastructure and lanes.

Goals and Objectives

G 13
O 13.1

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning							$334,348	$334,348
Land							$100,000	$100,000
Construction							$2,335,655	$2,335,655
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$2,770,003	$2,770,003

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants							$2,770,003	$2,770,003
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$2,770,003	$2,770,003

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Pedestrian Signals
Project Code: PWSTP51
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2016
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Continue adding audible pedestrian signals to signalized intersections (various locations) that were not completed with the first phase of APS upgrades due to budget limitations. Potential for VDOT funding.

Justifications:

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

Explanation:

This project will improve pedestrian safety, particularly for the visually impaired, but also for pedestrians in general.

Alternative:

Do not complete planned project.

Goals and Objectives

G 13
O 13.1
O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land				$25,000				$25,000
Construction	$445,000				$300,000		$100,000	$845,000
Equipment								$0
Other Expenses								$0
Total	$445,000	$0	$0	$25,000	$300,000	$0	$100,000	$870,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds								$0
Grants	$445,000			$25,000	$300,000		$100,000	$870,000
Capital Project Fund								$0
Other Revenue								$0
Total	$445,000	$0	$0	$25,000	$300,000	$0	$100,000	$870,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Old Furnace Road Sidewalk Gaps
Project Code: PWSTP52
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2024
Department: 9101 **Status:** Active **Completion Date (FYE):** 2026

Description:

Fill sidewalk gaps between Summit Street and North 38 apartment complex sidewalk and add bike lanes. Potential for VDOT funding.

Explanation:

This project will improve pedestrian safety, and increase walkability between a variety of housing types and downtown.

Alternative:

Do not complete planned project.

Justifications:

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

Goals and Objectives

G 13
O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land			$75,000					$75,000
Construction				$500,000	$500,000			$1,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$75,000	$500,000	$500,000	$0	$0	$1,075,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue			$15,000	$100,000	$100,000			$215,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants			$60,000	$400,000	$400,000			$860,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$75,000	$500,000	$500,000	$0	$0	$1,075,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Central Avenue Sidewalk
Project Code: PWSTP53
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2026
Department: 9101 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Construction of sidewalk and ADA ramps along Central Avenue between South Avenue and Laurel Street.

Explanation:

Due to the COVID-19 Pandemic and limited school bus capacity, Harrisonburg City Schools have begun an initiative where students within specified walking distances of schools would be required to walk and would not be provided a bus. This initiative would remain in place after the pandemic due to the overall benefits to the school system. This segment of Central is within the Keister Elementary School area and would meet this distance requirement if sidewalks were located along this segment of Central Avenue.

Alternative:

Not require students within this neighborhood to walk to Keister due to the lack of a safe accommodation.

Justifications:

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

Goals and Objectives

G 7
O 7.1
G 13
O 13.1
O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning					$70,000			$70,000
Land						$50,000		$50,000
Construction							$350,000	$350,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$70,000	$50,000	$350,000	$470,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue					$70,000	$50,000	$350,000	$470,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$70,000	$50,000	$350,000	$470,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Wolfe Street Sidewalk Replacement
Project Code: PWSTP54
Project Priority: Priority 2 **Project Type:** REPAIR **Start Date (FYE):** 2024
Department: 9101 **Status:** Active **Completion Date (FYE):** 2024

Description:

Reconstruct a portion of sidewalk along West Wolfe Street between the railroad tracks and 180' west of the railroad tracks.

Explanation:

This portion of sidewalk is constructed directly adjacent to a parking lot and has a drop off right behind the back of sidewalk. This project would require constructing a wall with railing, removal of a tree and potential other property impacts.

Alternative:

None.

Justifications:

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

Goals and Objectives

G 13
O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land			$10,000					$10,000
Construction			$100,000					$100,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$110,000	$0	$0	$0	$0	$110,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue			$110,000					$110,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$110,000	$0	$0	$0	$0	$110,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Country Club Sidewalk
Project Code: PWSTP55
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2023
Department: 9101 **Status:** Active **Completion Date (FYE):** 2025

Description:

Construct sidewalk along the south side of Country Club Road between Linda Lane and Spotwood Trailer Park.

Explanation:

Due to the COVID-19 Pandemic and limited school bus capacity, Harrisonburg City Schools have begun an initiative where students within specified walking distances of schools would be required to walk and would not be provided a bus. This initiative would remain in place after the pandemic due to the overall benefits to the school system. The Spotswood Trailer Park has a significant number of school students that attend Smithland Elementary and Skyland Middle, however due to a lack of pedestrian connectivity they must all ride the bus. This project would provide that pedestrian connection along Country Club Road to the shared use path on Linda Lane that connects to these 2 schools.

Alternative:

None.

Justifications:

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

Goals and Objectives

G 7
O 7.1
G 13
O 13.1
O 13.2

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning		$12,019						$12,019
Land			$60,912					$60,912
Construction				$536,985				$536,985
Equipment								$0
Other Expenses								$0
Total	$0	$12,019	$60,912	$536,985	$0	$0	$0	$609,916

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$2,400	$12,182	$107,397				$121,979
Enterprise Revenue								$0
Bond Proceeds								$0
Grants		$9,619	$48,730	$429,588				$487,937
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$12,019	$60,912	$536,985	$0	$0	$0	$609,916

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Land Acquisition, Purcell Park
Project Code: P&R 28-1
Project Priority: Priority 3 **Project Type:** ADDITION **Start Date (FYE):** Future
Department: 710171 **Status:** Active **Completion Date (FYE):** Future

Description:

Purchase of property that becomes available near Purcell Park.

Explanation:

A recommendation of the Purcell Park Master Plan was to purchase additional property around Purcell Park to create an entrance from Main Street and for the addition of the highly requested dog park.

Alternative:

Do not purchase property and exclude the additional amenities from the build out of Purcell Park per the Master Plan.

Justifications:

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

Goals and Objectives

G 12
O 12.1
O 12.2
O 12.4

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land							$1,000,000	$1,000,000
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$1,000,000	$1,000,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue							$1,000,000	$1,000,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$1,000,000	$1,000,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Heritage Oaks Golf Course - Bridge Replacement
Project Code: P&R 27-2
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** Future
Department: 730271 **Status:** Active **Completion Date (FYE):** Future

Description:

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

In the last two decades they have been displaced from their positions from flooding rain events multiple times. The bridges scheduled for replacement were displaced twice during the heavy rains of 2018.

Justifications:

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

Explanation:

Significant wear and tear resulted to the extent that the bridges cannot be repaired to provide safe passage by golfers. As we replace these structures they will be designed and constructed to meet current standards and applicable codes.

The new 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.

Goals and Objectives

G 12
O 12.1
O 12.2
O 12.4

Alternative:

Do nothing.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$80,000						$250,000	$330,000
Equipment								$0
Other Expenses								$0
Total	$80,000	$0	$0	$0	$0	$0	$250,000	$330,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue	$80,000						$250,000	$330,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$80,000	$0	$0	$0	$0	$0	$250,000	$330,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Purcell Park Master Plan Phase 1a and 1b

Project Code: P&R 22-2

Project Priority: Priority 2 **Project Type:** RENOVATION **Start Date (FYE):** 2023

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

Description:

The Purcell Park Master Plan was completed in 2020. Priority areas included an evaluation of the current stormwater/flooding issues, the redesign of “Kids Castle”, and the improvements of areas and infrastructure surrounding the entire sides of Kids Castle including parking, drainage, etc.

Redevelopment of the playground at Purcell Park was one of the most important aspects of the master plan and a major focus area during the community engagement process. The survey data revealed that more than 50% of the people visiting Purcell Park enjoy this amenity in some form. Kids Castle is the most popular activity in the park after trails and nature and it is the number one amenity that park visitors want to upgrade.

The current playground has serious health and safety concerns, as well as being within the floodplain with portions in the floodway. Because of these two issues, the master plan proposes to completely remove the current playground and replace it with a new playground facility. Kids and parents overwhelmingly like the convenient location of the current playground, the unique character and theme, and the imaginative play opportunities it offers.

This request is for renovation of Kids Castle, implementation of Phase 1a and eventually 1b of the Master Plan.

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 12
O 12.1
O 12.2
O 12.3
O 12.4

Explanation:

Kids’ Castle Playground was constructed in 1990 as a community build project by a group of community volunteers. Many residents clearly remember both playing on Kids Castle as children and continue to visit with their families today. Over the years weather and wear & tear have contributed to the deterioration of this structure. Repeated flooding events have also exacerbated condition issues, as well as caused the playground to be shut down for several weeks at a time. The towers lack play spaces for very young children and there is limited accessibility to the structure by anyone with mobility challenges. Concerns with the playground go beyond maintenance to safety. Community members and children speak of splinters and nails; the surfacing material is also a serious safety concern and fall hazard; and, the City’s Certified Playground Safety Inspector has identified over 100 Priority 1 Safety Concerns - those needing corrected immediately. While the City continues to provide ongoing maintenance to the playground structure, these deficiencies are too serious, and too pervasive, to recommend keeping the playground in place as it is today. The new design of the playground area was the direct result of a very robust community engagement process conducted during the master plan development. An extensive hydrological analysis of the site also played an important role in the design and prompted elevating most of the play area by three and half feet. This is to ensure that the playground does not get flooded even during 100-year flood events.

Redevelopment of Purcell Park will be completed in phases. The first phase, Phase 1a, includes relocation and complete reconstruction of the playground. Construction and funding are planned to span 2 fiscal years, but will be dependent on being funded for both years. Phase 1b includes: Improved parking configuration; expanded parking areas at neighborhood entries; development of bioretention areas for storm water management; resurfacing of the tennis and basketball courts; trail alignments and adjustments; restroom improvements to make them accessible year round; creation of seating areas and shade structures; additional landscape plantings. Park signage to include: entry signs, interpretive signs and wayfinding signs.

Alternative:

The only responsible and reasonable alternative is to replace Kid's Castle. However, if no action is taken, Parks and Recreation will continue to repair and remove hazards. Delaying renovation of the playground will result in increased costs, over time and safety hazards to users in the present.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction		$1,500,000					$1,500,000	$3,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$1,500,000	$0	$0	$0	$0	$1,500,000	$3,000,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$1,500,000					$1,500,000	$3,000,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$1,500,000	$0	$0	$0	$0	$1,500,000	$3,000,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Downtown Park Development
Project Code: P&R 28-2
Project Priority: Priority 3 **Project Type:** DEVELOPMENT **Start Date (FYE):** Future
Department: 910771 **Status:** Active **Completion Date (FYE):** Future

Description:

An urban park for downtown Harrisonburg to be constructed on existing City property located behind City Hall in the area surrounding Turner Pavilion.

Justifications:

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

Explanation:

Working with the Build our Park board, the park is intended to meet the needs of our diverse community and attract visitors for special events. The plans include a large green space, designated stage areas, improved access to utilities, children's play area, covered pergola, park furnishings, and landscaping.

Alternative:

Do nothing.

Goals and Objectives

G 12
O 12.1
O 12.2
O 12.4

Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: CAC Traffic Calming and Parking Lot Repaving

Project Code: P&R 24-7

Project Priority: Priority 3 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2027

Department: 710471 **Status:** Active **Completion Date (FYE):** 2027

Description:

Traffic calming measures at the Community Activities Center to reduce cut-through traffic, improve traffic flow/safety, and add a drop off/unloading zone. The project would also include repaving of the main parking lot.

Explanation:

The driveways entering and exiting the CAC are used as a "road" or short-cut to circumvent the traffic signal at Route 33 and Dogwood Drive. After a review by Public Works, it was determined that a new traffic flow pattern would minimize the cut-through traffic creating a safer environment for users of the CAC. This new traffic pattern would include traffic calming measures, better define entrances and exits, and create a designated drop off/pick up and unloading zone.

Alternative:

Do nothing.

Justifications:

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

Goals and Objectives

G 12
O 12.1
O 12.2
O 12.3
O 12.4

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction						$488,000		$488,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$488,000	$0	$488,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue						$488,000		$488,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$488,000	$0	$488,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: CAC Gymnasium Floor
Project Code: P&R 23-5
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** 2026
Department: 710471 **Status:** Active **Completion Date (FYE):** 2026

Description:

Replacement of the existing gymnasium floor that has exceeded its lifespan. Installation of a new maple wood floor would provide the department with a gymnasium floor that would last into the foreseeable future.

Explanation:

The current floor is a rubber roll floor with heat seams. Consistent wear and tear has deteriorated these seams and the integrity of the floor. Approximately every 2 years the seams need to be repaired and it has become a challenge to complete this task. In addition, when these seams are compromised moisture from the cleaning machines seeps into the subsurface creating dead spots. These dead spots impact activities in that a ball will not bounce properly in these areas. The current floor has exceeded its life expectancy.

Alternative:

Do nothing and continue to repair the floor with the understanding that the gymnasium could be unavailable for use.

Justifications:

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

Goals and Objectives

G 8
O 8.1
G 12
O 12.1
O 12.2
O 12.4

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction					$119,000			$119,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$119,000	$0	$0	$119,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue					$119,000			$119,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$119,000	$0	$0	$119,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Riven Rock Restrooms
Project Code: P&R 24-8
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** 2025
Department: 710271 **Status:** Active **Completion Date (FYE):** 2025

Description:

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
x-New service
x-Convenience
Other

Explanation:

Replace pit style outhouse with vault style flushable restrooms. 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

G 12
O 12.1
O 12.2
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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction				$125,000				$125,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$125,000	$0	$0	$0	$125,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue				$125,000				$125,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$125,000	$0	$0	$0	$125,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Westover Pool Dome Replacement
Project Code: P&R 24-6
Project Priority: Priority 3 **Project Type:** REPLACEMENT **Start Date (FYE):** 2024
Department: 710771 **Status:** Active **Completion Date (FYE):** 2024

Description:

Replace existing dome structure and air lock entrances at Westover Pool.

Explanation:

The current dome was installed in 1990 and after 30 years of wear and tear from operations, it has sustained some significant staining as well as damage to the plastic material. The current air lock entrance has been repaired numerous times but those repairs are holding for shorter periods of time with less efficacy.

Alternative:

Continue operation until the current dome is no longer structurally viable.

Justifications:

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

Goals and Objectives

G 12
O 12.1
O 12.2
O 12.4

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$145,300					$145,300
Other Expenses								$0
Total	$0	$0	$145,300	$0	$0	$0	$0	$145,300

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue			$145,300					$145,300
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$145,300	$0	$0	$0	$0	$145,300

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Smithland Athletic Complex Development

Project Code: P&R 24-5

Project Priority: Priority 2 **Project Type:** DEVELOPMENT **Start Date (FYE):** 2024

Department: 910771 **Status:** Active **Completion Date (FYE):** 2025

Description:

The Comprehensive Master Plan for Parks and Recreation completed in 2003 and updated in 2013, recommends that the Smithland Road Property be fully developed per the Smithland Road Park Master Plan, completed in 2004.

This request includes funding for reevaluation of the master plan and funding to proceed with construction and buildout of additional athletic fields.

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. The buildout of Smithland Road Athletic Complex will centralize athletics to one location. This centralization of athletic services will increase programming, improve efficiency of maintenance operations and improve services offered to the community.

Additionally, the master plan recently completed for Purcell Park calls for the relocation of the athletic fields that continue to be negatively impacted by flooding. This impact effects our local sports organizations by having to cancel activities for multiple days.

Goals and Objectives

G 12
O 12.1
O 12.2
O 12.3
O 12.4

Alternative:

Continue to provide current fields to users with the understanding that negative impacts due to flooding will continue to negatively impact their organization.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning			$50,000					$50,000
Land								$0
Construction				$3,250,000				$3,250,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$50,000	$3,250,000	$0	$0	$0	$3,300,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue			$50,000					$50,000
Enterprise Revenue								$0
Bond Proceeds				$3,250,000				$3,250,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$50,000	$3,250,000	$0	$0	$0	$3,300,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Westover Skate Park Improvement Project
Project Code: P&R 22-4
Project Priority: Priority 2 **Project Type:** ADDITION & RENOVATION **Start Date (FYE):** 2023
Department: 710271 **Status:** Active **Completion Date (FYE):** 2025

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:

Our approach to addressing this situation is to phase replacement of the individual obstacles over a 3-year period beginning in FY23. The replacement obstacles would be constructed with a more durable base material-metal, and an upgraded surface material. The company also provides a 20-year warranty providing a more efficient/reliable structure, inside and out.

In FY19, users of the WSP have been negatively impacted by long-term closures due to needed repairs. These repairs were contracted to American Ramp Company at a cost of $17,000. Since these repairs have been made, we continue to fix these same areas simply because the sub-structure is no longer a viable means of support for the obstacle. We have exhausted all options for continued repairs and must plan for and proceed with a comprehensive replacement program.

American Ramp Company has provided a cost estimate to convert all structures to steel in 3 phases. Per the proposal, we are recommending the following replacement schedule:

FY23-Cluster 5, which includes the combined half-pipe and quarter-pipe obstacle (the most heavily used structure within the skate park.)

FY24-Clusters 1 and 2, which includes the individual quarter-pipe and bank ramp.

FY25-Clusters 3, 4, and 6, which includes smaller individual obstacles of the skate park.

The clusters have been prioritized based on size, cost, need, and usage.

Alternative:

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

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction		$157,000	$90,500	$122,000				$369,500
Equipment								$0
Other Expenses								$0
Total	$0	$157,000	$90,500	$122,000	$0	$0	$0	$369,500

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$157,000	$90,500	$122,000				$369,500
Enterprise Revenue								$0
Bond Proceeds								$0

Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$157,000	$90,500	$122,000	$0	$0	$0	$369,500

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Ralph Sampson Park Splashpad
Project Code: P&R 25-3
Project Priority: Priority 3 **Project Type:** DEVELOPMENT **Start Date (FYE):** 2023
Department: 710671 **Status:** Active **Completion Date (FYE):** 2024

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/Splash Pad.

Justifications:

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

Goals and Objectives

G 3
O 3.1
O 4.1
O 5.1
G 12
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. 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 pad. 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 (2019) 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 splash park big enough to accommodate 100-150 users at a time, utilities, grading, parking, etc, will be about 1.3 million dollars. There will also be a yearly maintenance cost for chemicals and upkeep of about $15,000.

Alternative:

Do nothing.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction		$75,000	$1,300,000					$1,375,000
Equipment								$0
Other Expenses								$0
Total	$0	$75,000	$1,300,000	$0	$0	$0	$0	$1,375,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$75,000	$1,300,000					$1,375,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$75,000	$1,300,000	$0	$0	$0	$0	$1,375,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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 50 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

G 18
O 18.1
O 18.2

Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Water Street 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 50 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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Public Safety Security Fence Project
Project Code: DP20075
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2023
Department: 810921 **Status:** Active **Completion Date (FYE):** 2023

Description:

Provide security fence around the Public Safety Building parking lot and employee access areas of the building. Project would include card read mechanical gates at all access points to restrict access to authorized personnel only.

Justifications:

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

Explanation:

With the 24/7 operations of this facility providing security for the public safety staff during all hours is important and vital for safety. This project would provide that security for staff as the enter and exit the building.

Alternative:

None.

Goals and Objectives

O 15.6

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction		$500,000						$500,000
Equipment								$0
Other Expenses								$0
Total	$0	$500,000	$0	$0	$0	$0	$0	$500,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$475,000						$475,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue		$25,000						$25,000
Total	$0	$500,000	$0	$0	$0	$0	$0	$500,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Upgrade HVAC Controls Stone Spring Elementary School
Project Code: 123
Project Priority: Priority 2 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2026
Department: 1311 **Status:** Active **Completion Date (FYE):** 2026

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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Storefront Door Replacement at SMES/SKMS
Project Code: 223
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** Beyond
Department: 1311 **Status:** Active **Completion Date (FYE):** Beyond

Description:

Replace storefront doors at Smithland Elementary School and Skyline Middle School

Explanation:

Exterior doors at SMES/SKMS 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

G 7

Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Chiller Replacement at HHS
Project Code: 323
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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Renovation/Remodel of THMS
Project Code: 423
Project Priority: Priority 2 **Project Type:** ADDITION & RENOVATION **Start Date (FYE):** 2026
Department: 1311 **Status:** Active **Completion Date (FYE):** 2026

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction					$2,500,000			$2,500,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$2,500,000	$0	$0	$2,500,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Boiler Replacement at SSES
Project Code: 523
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2024
Department: 1311 **Status:** Active **Completion Date (FYE):** 2024

Description:

Replace outdated boiler at Stone Spring Elementary School

Explanation:

The original boiler is reaching the end of its life cycle (17 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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Air Handler Replacement at Spotswood Elementary School
Project Code: 623
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** 2025
Department: 1311 **Status:** Active **Completion Date (FYE):** 2025

Description:

Replace air handler at Spotswood Elementary School

Explanation:

This is the original air handler.

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$179,000				$179,000
Other Expenses								$0
Total	$0	$0	$0	$179,000	$0	$0	$0	$179,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue				$179,000				$179,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$179,000	$0	$0	$0	$179,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Air Handler Replacement at Waterman Elementary School
Project Code: 723
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** 2025
Department: 1311 **Status:** Active **Completion Date (FYE):** 2025

Description:

Replace air handler at Waterman Elementary School

Explanation:

This is the original air handler.

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$253,000				$253,000
Other Expenses								$0
Total	$0	$0	$0	$253,000	$0	$0	$0	$253,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue				$253,000				$253,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$253,000	$0	$0	$0	$253,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Chiller Replacement at Stone Spring Elementary School
Project Code: 823
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2024
Department: 1311 **Status:** Active **Completion Date (FYE):** 2024

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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Air Handler Replacement at Keister Elementary School
Project Code: 923
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** 2025
Department: 1311 **Status:** Active **Completion Date (FYE):** 2025

Description:

Replace air handler at Keister Elementary School.

Explanation:

This is the original air handler.

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment				$253,000				$253,000
Other Expenses								$0
Total	$0	$0	$0	$253,000	$0	$0	$0	$253,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue				$253,000				$253,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$253,000	$0	$0	$0	$253,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Replace Roof at THMS
Project Code: 1023
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2022
Department: 1311 **Status:** Active **Completion Date (FYE):** 2022

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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Resurface THMS Parking Lot and Road
Project Code: 1123
Project Priority: Priority 2 **Project Type:** ADDITION & REPLACEMENT **Start Date (FYE):** 2025
Department: 1311 **Status:** Active **Completion Date (FYE):** 2025

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction				$91,000				$91,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$91,000	$0	$0	$0	$91,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$91,000	$0	$0	$0	$91,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Purchase Land for 7th Elementary School
Project Code: 1223
Project Priority: Priority 2 **Project Type:** ADDITION **Start Date (FYE):** 2025
Department: 1311 **Status:** Active **Completion Date (FYE):** 2025

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land				$2,500,000				$2,500,000
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$2,500,000	$0	$0	$0	$2,500,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$2,500,000	$0	$0	$0	$2,500,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Roof Replacement/Repairs at SES/WES
Project Code: 1323
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2026
Department: 1311 **Status:** Active **Completion Date (FYE):** 2026

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction					$200,000			$200,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$200,000	$0	$0	$200,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$200,000	$0	$0	$200,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Enhancements to Harrisonburg High School
Project Code: 1423
Project Priority: Priority 2 **Project Type:** RENOVATION **Start Date (FYE):** 2024
Department: 1311 **Status:** Active **Completion Date (FYE):** 2025

Description:

Enhancements to Harrisonburg High School. Renovation to four 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

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction			$1,500,000	$1,500,000				$3,000,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$1,500,000	$1,500,000	$0	$0	$0	$3,000,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue			$1,500,000	$1,500,000				$3,000,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$1,500,000	$1,500,000	$0	$0	$0	$3,000,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Resurface Parking Harrisonburg HS
Project Code: 1523
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** 2026
Department: 1311 **Status:** Active **Completion Date (FYE):** 2026

Description:

Resurface parking lot at Harrisonburg High School.

Explanation:

The parking lot needs to be resurfaced.

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction					$150,000			$150,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$150,000	$0	$0	$150,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue					$150,000			$150,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$150,000	$0	$0	$150,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: MTC Renovation Request
Project Code: 1623
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2028
Department: 1311 **Status:** Active **Completion Date (FYE):** 2028

Description:

Massanutten Technical Center is in need of major structural and mechanical repairs. The amount of money requested is a share of the expense to renovate MTC.

Explanation:

As a participating school division in the MTC program and as a member of the Executive Board, HCPS is responsible for contributing to the funding of MTC with the Rockingham County Schools.

Alternative:

None.

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction							$5,600,000	$5,600,000
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$0	$0	$5,600,000	$5,600,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue								$0
Bond Proceeds							$5,600,000	$5,600,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$0	$0	$0	$0	$0	$5,600,000	$5,600,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R):
100% CARV = $19,352,876
NBV = $10,100,778
25 Yr CARV = $7,207,541
25 Yr FARC = $9,635,385
25 Yr ACSO = $385,416
ENR = 12,238

ASSET RETIREMENT (CARV)
20" NRI Pipe.....$351,409
24" NRI Pipe.....$679
30" DRI Pipe.....$1,598
Other Pipe.....$11,295
Valves.....$20,435

GROWTH/EXPANSION
2022-2031: Anode Protection Project-20" North River Pipe: $80,000/yr.
2023: NRI Aquatic Screens: $3,000,000
2023: DRI Aquatic Screens + Improvements: $3,000,000
2027: Belview to VPGA-30" Pipe (11,000 ft = new install 2027): $5,000,000
2032: VPGA to Coopers Mountain-30" Pipe (22,000 ft = new install 2032)= $10,000,000

Capital Reserve Target = $193,529

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$10,524,351	$6,465,416	$465,416	$465,416	$465,416	$5,465,416	$18,028,320	$41,879,751
Equipment								$0
Other Expenses	$193,529							$193,529
Total	$10,717,880	$6,465,416	$465,416	$465,416	$465,416	$5,465,416	$18,028,320	$42,073,280

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$6,917,880	$3,465,416	$465,416	$465,416	$465,416	$5,465,416	$8,028,320	$25,273,280
Bond Proceeds	$3,800,000	$3,000,000					$10,000,000	$16,800,000
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$10,717,880	$6,465,416	$465,416	$465,416	$465,416	$5,465,416	$18,028,320	$42,073,280

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R) - Abandoned for conversion strategy
100% CARV = $23,473,956
NBV = $5,373,904
25 Yr. CARV = $12,341,616
25 Yr. FARC = $15,037,753
25 Yr. ACSO = $601,510
ENR = 12,238

ASSET RETIRMENT CARV
Waterlines.....$594,842
Valves.....$4,978
Air Valves.....$1,589
Hydrants.....$102

EXPANSION
2023-2030: Coopers Mountain Zone ($1.3M 2023-2030): $180,000
2027: 16" Pipe Conversion: $1,100,000
2032: 16" Pipe Conversion: $2,200,000

Capital Reserve Target = $234,740

Alternative:

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

Expenditures:

	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land				108				$0
Construction	$1,287,260	$781,510	$781,510	$781,510	$781,510	$1,881,510	$14,590,203	$20,885,013

Equipment								$0
Other Expenses	$234,740							$234,740
Total	$1,522,000	$781,510	$781,510	$781,510	$781,510	$1,881,510	$14,590,203	$21,119,753

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$1,522,000	$781,510	$781,510	$781,510	$781,510	$1,881,510	$14,590,203	$21,119,753
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$1,522,000	$781,510	$781,510	$781,510	$781,510	$1,881,510	$14,590,203	$21,119,753

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R):
100% CARV = $23,654,239
NBV = $14,953,790
25 Yr CARV = $5,719,469
25 Yr FARC = $8,212,389
25 Yr ASCO = $328,496
ENR = 12,238

ASSET RETIREMENT CARV
Pump Station.....$214,208
Control.....$61,468
Tanks.....$9,990
Valve Vaults.....$15,615
SCADA.....$27,214

GROWTH/EXPANSION
2037: Smithland Road Tank & Pump Station = $3.0M

Capital Reserve Target = $236,542

Alternative:

Reactive approach; Schedule can be altered with acceptance risk.

Expenditures:

	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$2,478,004	$328,496	$328,496	$328,496	$328,496	$328,496	$6,569,911	$10,690,395
Equipment								$0
Other Expenses	$236,542							$236,542
Total	$2,714,546	$328,496	$328,496	$328,496	$328,496	$328,496	$6,569,911	$10,926,937

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$2,714,546	$328,496	$328,496	$328,496	$328,496	$328,496	$6,569,911	$10,926,937
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$2,714,546	$328,496	$328,496	$328,496	$328,496	$328,496	$6,569,911	$10,926,937

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R):
100% CARV = $128,618,758
NBV = $71,349,513
25 Yr CARV = $32,113,849
25 Yr FARC = $38,861,390
25 Yr ASCO = $1,554,456
ENR = 12,238

ASSET RETIREMENT CARV
Pipes.....$1,491,897
Valves.....$45,890
Air Valves.....$11,757
Hydrants.....$4,912

GROWTH/EXPANSION
Water Main Extension Program: $50,000

Capital Reserve Target = $1,286,188

Alternative:

None.

Expenditures:

	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$2,918,204	$1,604,456	$1,604,456	$1,604,456	$1,604,456	$1,604,456	$32,089,112	$43,029,596
Equipment								$0
Other Expenses	$1,286,188							$1,286,188
Total	$4,204,392	$1,604,456	$1,604,456	$1,604,456	$1,604,456	$1,604,456	$32,089,112	$44,315,784

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$4,204,392	$1,604,456	$1,604,456	$1,604,456	$1,604,456	$1,604,456	$32,089,112	$44,315,784
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$4,204,392	$1,604,456	$1,604,456	$1,604,456	$1,604,456	$1,604,456	$32,089,112	$44,315,784

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R)
100% CARV = $19,523,742
NBV = $10,359,382
25 Yr. CARV = $9,037,609
25 Yr. FARC = $13,397,016
25 Yr. ACSO = $535,881
ENR = 12,238

ASSET RETIREMENT CARV
Equipment.....$60,164
Building.....$472,724
SCADA.....$2,993

GROWTH/EXPANSION
None

Capital Reserve Target = $195,237

Alternative:

None.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$745,626	$535,881	$535,881	$535,881	$535,881	$535,881	$10,717,613	$14,142,644
Equipment								$0
Other Expenses	$195,237							$195,237
Total	$940,863	$535,881	$535,881	$535,881	$535,881	$535,881	$10,717,613	$14,337,881

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total

General Revenue								$0
Enterprise Revenue	$940,863	$535,881	$535,881	$535,881	$535,881	$535,881	$10,717,613	$14,337,881
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$940,863	$535,881	$535,881	$535,881	$535,881	$535,881	$10,717,613	$14,337,881

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R):
100% CARV = $2,849,403; $1,494,393 is water inventory
NBV = $1,030,921 = $515,460
25 Yr CARV = $476,163 = $238,082
25 Yr FARC = $581,800 = $290,900
25 Yr ASCO = $46,544 = $23,272/yr
ENR = 12,238

ASSET RETIRMENT CARV
Small Meters.....$7,937 = $3,969/yr
Large Meters.....$38,607 = $19,304/yr

GROWTH/EXPANSION
AMI Fixed Read Meter Installations ($3M-$1M unfunded; 50% water) $125,000

Capital Reserve Target = $14,247

Alternative:

Accept the risk of meter failures and lost revenue.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$1,480,146	$148,272	$148,272	$148,272	$148,272	$23,272	$465,440	$2,561,946
Equipment								$0
Other Expenses	$14,247							$14,247
Total	$1,494,393	$148,272	$148,272	$148,272	$148,272	$23,272	$465,440	$2,576,193

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0

Enterprise Revenue	$1,494,393	$148,272	$148,272	$148,272	$148,272	$23,272	$465,440	$2,576,193
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$1,494,393	$148,272	$148,272	$148,272	$148,272	$23,272	$465,440	$2,576,193

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

ASSET RETIREMENT
Building = $2,283,415 = $1,141,708 Water: 2065 replace
Building Contents = $628,133 = $314,066: Allow $7,000/yr

GROWTH/EXPANSION
2023: WOC Drive Thru ($100,000--50% Water): $50,000
2023: WOC Bay Addition ($500,000--50% Water): $250,000

Capital Reserve Target = $18,296

Alternative:

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

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$66,107	$307,000	$7,000	$7,000	$7,000	$7,000	$140,000	$541,107
Equipment								$0
Other Expenses	$18,296							$18,296
Total	$84,403	$307,000	$7,000	$7,000	$7,000	$7,000	$140,000	$559,403

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$265,000	$126,403	$7,000	$7,000	$7,000	$7,000	$140,000	$559,403
Bond Proceeds								$0
Grants								$0
Capital Project Fund				118				$0
Other Revenue								$0

Total	$265,000	$126,403	$7,000	$7,000	$7,000	$7,000	$140,000	$559,403

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R)
100% CARV = $25,735,357
NBV = $14,507,587
25 Yr. CARV = $1,774,804
25 Yr. FARC = $2,142,879
25 Yr. ACSO = $85,715
ENR = 12,238

ASSET RETIREMENT
BRI Sewerlines.....$19,823
BRI Manholes.....$1,380
Interceptor Sewerlines.....$63,432
Interceptor Manholes.....$1,080

EXPANSION

2024-2025: ILOS Flow Monitor Update: 2025: $10,000; 2030: $50K; 2035=$50k; 2040=50K; 2045=$50K
2023: ILOS Current 10 Yr Level of Service = $343,069 remains of $1.5M
TBD: ILOS Future 10 Yr Level of Service

Capital Reserve Target = $257,354

Alternative:

Reactive Approach

Expenditures:

	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land				120				$0
Construction	$6,866,191	$343,069	$85,715	$185,715	$85,715	$85,715	$1,914,303	$9,566,423

Equipment								$0
Other Expenses	$257,354							$257,354
Total	$7,123,545	$343,069	$85,715	$185,715	$85,715	$85,715	$1,914,303	$9,823,777

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$6,866,191	$343,069	$85,715	$185,715	$85,715	$85,715	$1,914,303	$9,566,423
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$6,866,191	$343,069	$85,715	$185,715	$85,715	$85,715	$1,914,303	$9,566,423

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Metering (911161-48734)
Project Code: sew217
Project Priority: Priority 2 **Project Type:** REPLACEMENT **Start Date (FYE):** 2020
Department: 2012 **Status:** Active **Completion Date (FYE):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R):
100% CARV = $2,849,403; $1,494,393 is sewer inventory
NBV = $1,030,921 = $515,460
25 Yr CARV = $476,163 = $238,082
25 Yr FARC = $581,800 = $290,900
25 Yr ASCO = $46,544 = $23,272/yr
ENR = 12,238

ASSET RETIREMENT
Small Meters.....$7,937 = $3,969
Large Meters.....$38,607 = $19,304

EXPANSION
AMI Fixed Read Meter Installations ($3M-$1M unfunded; 50% water) $125,000

Capital Reserve Target = $14,247

Alternative:

Accept the risk of meter failures and lost revenue.

Expenditures:

	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$1,081,618	$148,272	$148,272	$148,272	$148,272	$23,272	$861,063	$2,559,041
Equipment								$0
Other Expenses	$14,247							$14,247
Total	$1,095,865	$148,272	$148,272	$148,272	$148,272	$23,272	$861,063	$2,573,288

Funding Sources:

	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0

Enterprise Revenue	$1,095,865	$148,272	$148,272	$148,272	$148,272	$23,272	$861,063	$2,573,288
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$1,095,865	$148,272	$148,272	$148,272	$148,272	$23,272	$861,063	$2,573,288

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

Rehabilitation and Retirement (R&R)
100% CARV = $111,503,002
NBV = $65,653,044
25 Yr. CARV = $9,333,275
25 Yr. FARC = $11,823,835
25 Yr. ACSO = $722,953
ENR = 12,238

ASSET RETIREMENT
I&I AbatemenT....$200,000
Pipes.....$431,853
Manholes.....$41,100

EXPANSION
2023-2027: Sewer Main Extension Program: $50,000

Capital Reserve Target = $1,115,030

Alternative:

Reactive Approach

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$2,817,279	$722,953	$722,953	$722,953	$722,953	$722,953	$14,459,068	$20,891,112
Equipment								$0
Other Expenses	$1,115,030							$1,115,030
Total	$3,932,309	$722,953	$722,953	$722,953	$722,953	$722,953	$14,459,068	$22,006,142

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total

General Revenue								$0
Enterprise Revenue	$3,932,309	$722,953	$722,953	$722,953	$722,953	$722,953	$14,459,068	$22,006,142
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$3,932,309	$722,953	$722,953	$722,953	$722,953	$722,953	$14,459,068	$22,006,142

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

Justifications:

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

Goals and Objectives

G 14
O 14.2

Explanation:

Rehabilitation and Retirement (R&R)
100% CARV = $1,472,553
NBV = $729,011
25 Yr. CARV = $910,303
25 Yr. FARC = $1,217,891
25 Yr. ACSO = $48,716
ENR = 12,238

ASSET RETIREMENT
Equipment.....$38,031
Building.....$4,131
SCADA.....$6,554

EXPANSION
None

Capital Reserve Target = $14,726

Alternative:

Reactive Approach

Expenditures:

	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$652,196	$48,716	$48,716	$48,716	$48,716	$48,716	$974,320	$1,870,096
Equipment								$0
Other Expenses	$14,726							$14,726
Total	$666,922	$48,716	$48,716	$48,716	$48,716	$48,716	$974,320	$1,884,822

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$666,922	$48,716	$48,716	$48,716	$48,716	$48,716	$974,320	$1,884,822
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$666,922	$48,716	$48,716	$48,716	$48,716	$48,716	$974,320	$1,884,822

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2046

Description:

Harrisonburg Public Utilities formats its Capital Improvement Program (CIP) to provide funding for three applications:
1. Capital Rehabilitation and Retirement (R&R):
R&R is the retirement of existing assets at an optimum time near the end of their life cycle but with opportunity to avoid ancillary financial, social or environment burden. The HPU CIP process uses asset retirement date forecasts made from known installation dates and from Manufacturer's Anticipated Service Life (MASL). The CIP process provides Future Asset Replacement Cost (FARC) by inflating the Current Asset Replacement Cost (CARV) by two-and-one-half percent annually to the retirement date.

2. Capital Growth (CG):
CG is the addition of new assets with the purpose of expanding service, capacity, functionality or strategy of operations.

3. Target Capital Reserve = 1% of CARV

4. Revenue:
Because rates cannot be adjusted annually to meet the schedule of fluctuating costs, HPU determines the sum and the uniform funding that is required throughout the immediate upcoming 25 years period. The latter is the Annual Cost of Sustainable Service (ACSO) and is used for funding and expense scheduling. Adjustments are made when rates will not support the ACSO or when expenses are significant to require debt. The CIP Plan is not adjusted for rates.

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:

ASSET MANAGEMENT
Building CARV (2065) = $2,283,415 = $1,141,708 WATER
Building CARV Contents = $628,133 = $314,066 WATER

EXPANSION
2023: WOC Drive Thru ($100,000--50% Sewer): $50,000
2023: WOC Bay Addition ($500,000-50% sewer)+$50,000: $300,000

Capital Reserve Target = $18,296

Alternative:

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

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$15,056	$357,000	$7,000	$7,000	$7,000	$7,000	$140,000	$540,056
Equipment								$0
Other Expenses	$18,296							$18,296
Total	$33,352	$357,000	$7,000	$7,000	$7,000	$7,000	$140,000	$558,352

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$349,942	$40,410	$7,000	$7,000	$7,000	$7,000	$140,000	$558,352
Bond Proceeds								$0
Grants								$0
Capital Project Fund				128				$0
Other Revenue								$0

Total	$349,942	$40,410	$7,000	$7,000	$7,000	$7,000	$140,000	$558,352

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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 32 buses that are beyond 12 years. Electric buses will be considered with infrastructure and bus grant monies and the replacement schedule will be updated at that time.

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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$480,000	$480,000	$480,000	$480,000	$480,000		$2,400,000
Other Expenses								$0
Total	$0	$480,000	$480,000	$480,000	$480,000	$480,000	$0	$2,400,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue		$480,000	$480,000	$480,000	$480,000	$480,000		$2,400,000
Enterprise Revenue								$0
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$480,000	$480,000	$480,000	$480,000	$480,000	$0	$2,400,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: School Bus IT
Project Code: Trans 07
Project Priority: Priority 2 **Project Type:** SYSTEM UPGRADE **Start Date (FYE):** 2026
Department: 622081 **Status:** Active **Completion Date (FYE):** 2026

Description:

Anticipated replacement or upgrade of current camera system.

Explanation:

Costs for replacement/upgrade could be divided among concurrent years. Will have to discuss with Larry. Stop arm cameras have the potential to bring in revenue from violations/violators. New Ordinance and HPD discussions about enforcement have begun.

Alternative:

Continue using current system.

Justifications:

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

Goals and Objectives

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning					$250,000			$250,000
Land								$0
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$0	$0	$0	$250,000	$0	$0	$250,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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 2023 7 transit replacement buses, 2 paratransit
FY 2024 2 para transit replacements
FY 2025 5 transit replacements
FY 2026 4 transit replacements
FY 2027 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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment		$3,895,000	$240,000	$2,625,000	$2,200,000	$240,000		$9,200,000
Other Expenses								$0
Total	$0	$3,895,000	$240,000	$2,625,000	$2,200,000	$240,000	$0	$9,200,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue		$155,800	$9,600	$105,000	$88,000	$9,600		$368,000
Bond Proceeds								$0
Grants		$3,739,200	$230,400	$2,520,000	$2,112,000	$230,400		$8,832,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$3,895,000	$240,000	$2,625,000	$2,200,000	$240,000	$0	$9,200,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Transit IT (Paratransit)
Project Code: Trans 06
Project Priority: Priority 2 **Project Type:** IMPROVEMENT **Start Date (FYE):** 2023
Department: 872081 **Status:** Active **Completion Date (FYE):** 2023

Description:

Intelligent Transportation System (ITS) for paratransit

Explanation:

Entire paratransit fleet equipped with Passio Technologies. New Request for Proposals for an Intelligent Transportation System (ITS) in 2023.

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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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning		$200,000						$200,000
Land								$0
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$200,000	$0	$0	$0	$0	$0	$200,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue		$8,000						$8,000
Bond Proceeds								$0
Grants		$192,000						$192,000
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$200,000	$0	$0	$0	$0	$0	$200,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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	2023	2024	2025	2026	2027	Future	Total
Planning		$125,000	$130,000	$130,000	$135,000	$135,000	$130,000	$785,000
Land								$0
Construction								$0
Equipment								$0
Other Expenses							$1,403,600	$1,403,600
Total	$0	$125,000	$130,000	$130,000	$135,000	$135,000	$1,533,600	$2,188,600

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue		$125,000	$130,000	$130,000	$135,000	$135,000	$1,533,600	$2,188,600
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$125,000	$130,000	$130,000	$135,000	$135,000	$1,533,600	$2,188,600

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment			$250,000				$255,000	$505,000
Other Expenses								$0
Total	$0	$0	$250,000	$0	$0	$0	$255,000	$505,000

Funding Sources:	Prior	2023	2024	2025	2026	2027	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	$250,000	$0	$0	$0	$255,000	$505,000

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: VMRC Extended Detention Pond
Project Code: PWSWPR10
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** Prior
Department: 910541 **Status:** Active **Completion Date (FYE):** 2023

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.

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Alternative:

Pursue other projects, as identified in the Stormwater Improvement Plan.

Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction	$625,614	$375,000						$1,000,614
Equipment								$0
Other Expenses								$0
Total	$625,614	$375,000	$0	$0	$0	$0	$0	$1,000,614

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$312,807	$187,500						$500,307
Bond Proceeds								$0
Grants	$312,807	$187,500						$500,307
Capital Project Fund								$0
Other Revenue								$0
Total	$625,614	$375,000	$0	$0	$0	$0	$0	$1,000,614

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2025

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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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning		$80,892	$80,892	$81,151				$242,935
Land								$0
Construction								$0
Equipment								$0
Other Expenses								$0
Total	$0	$80,892	$80,892	$81,151	$0	$0	$0	$242,935

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue		$80,892	$80,892	$81,151				$242,935
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$80,892	$80,892	$81,151	$0	$0	$0	$242,935

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
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):** 2028

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
x-Other

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Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning								$0
Land								$0
Construction								$0
Equipment								$0
Other Expenses		$266,250	$266,250	$284,000	$284,000	$284,000		$1,384,500
Total	$0	$266,250	$266,250	$284,000	$284,000	$284,000	$0	$1,384,500

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue		$266,250	$266,250	$284,000	$284,000	$284,000		$1,384,500
Bond Proceeds								$0
Grants								$0
Capital Project Fund								$0
Other Revenue								$0
Total	$0	$266,250	$266,250	$284,000	$284,000	$284,000	$0	$1,384,500

Operating Impacts:	Prior	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Drainage Improvement Program
Project Code: PWSWPR18
Project Priority: Priority 2 **Project Type:** NEW **Start Date (FYE):** 2022
Department: 910541 **Status:** Active **Completion Date (FYE):** 2027

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

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Expenditures:	Prior	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	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	2023	2024	2025	2026	2027	Future	Total
Personnel								$0
Operating								$0
Capital								$0
Offsets								$0
Total	$0	$0	$0	$0	$0	$0	$0	$0

Capital Improvement Program
FY2023 thru FY2027
Project Request Form

Project Title: Blacks Run South Stream Restoration
Project Code: PWSWPR19
Project Priority: Priority 2 **Project Type:** CONSTRUCTION **Start Date (FYE):** Prior
Department: 910541 **Status:** Active **Completion Date (FYE):** 2023

Description:

This project proposes to restore approximately 4,880 linear feet of Blacks Run located on City owned property located along the Public Works, Fire Training Grounds, Recycling Convenience Center, Central Stores, Public Utilities, Ramblewood Fields, and the Police Training Grounds properties. This stream restoration project will utilize natural channel design methodology to reduce sediment and nutrient discharges downstream by preventing excessive erosion and reconnecting the stream with its adjacent floodplain. The project stream reach has a current need to address the excessive streambank erosion that is contributing to the aquatic life (i.e. sediment) impairment on Blacks Run and the Chesapeake Bay.

Justifications:

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

Explanation:

This project improves both the water quality within the City as well as the Chesapeake Bay, but also always the City to satisfy our Phosphorus and Sediment TMDL goals as established with our MS4 program.

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Alternative:

Seek other projects to satisfy our MS4 TMDL requirements.

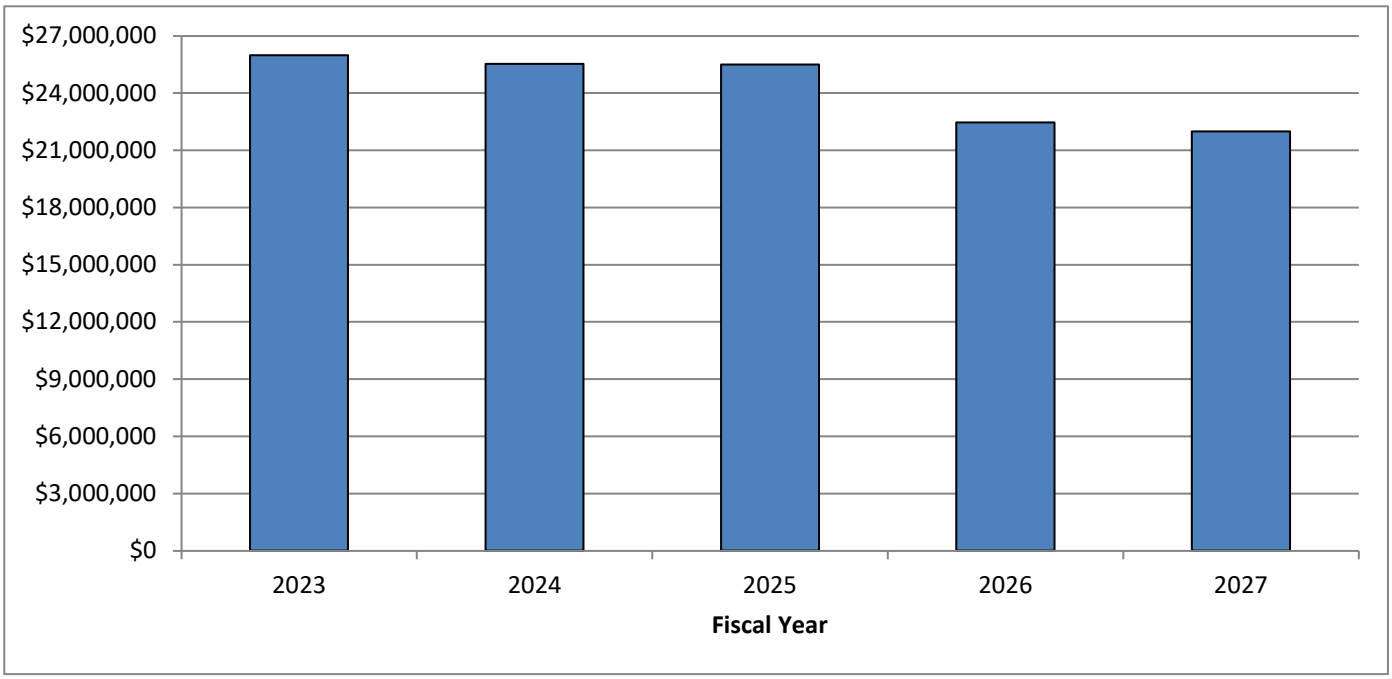
Expenditures:	Prior	2023	2024	2025	2026	2027	Future	Total
Planning	$549,629							$549,629
Land								$0
Construction		$2,254,406						$2,254,406
Equipment								$0
Other Expenses								$0
Total	$549,629	$2,254,406	$0	$0	$0	$0	$0	$2,804,035

Funding Sources:	Prior	2023	2024	2025	2026	2027	Future	Total
General Revenue								$0
Enterprise Revenue	$549,629	$852,388						$1,402,017
Bond Proceeds								$0
Grants		$1,402,018						$1,402,018
Capital Project Fund								$0
Other Revenue								$0
Total	$549,629	$2,254,406	$0	$0	$0	$0	$0	$2,804,035

Operating Impacts:	Prior	2023	2024	2025	2026	2027	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
2023	16,757,032	9,229,617	25,986,649
2024	17,073,931	8,459,390	25,533,321
2025	17,851,305	7,652,838	25,504,143
2026	15,582,867	6,872,696	22,455,563
2027	15,832,867	6,148,493	21,981,359



City of Harrisonburg, Virginia
General Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2017 Through June 30, 2027

	Fiscal Years									
	Actual 2018	**Actual 2019**	**Actual 2020**	**Actual 2021**	**Budgeted 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**	**Projected 2026**	**Projected 2027**
Amount from fund balance	4,870,611	7,749,994	5,110,303	2,693,668	3,024,145	-	-	-	-	-
Revenues:										
General property taxes	47,727,059	49,120,491	51,569,124	54,271,422	56,991,100	58,575,400	60,038,800	61,540,100	63,090,500	64,389,500
Other local taxes	43,481,115	45,722,262	44,073,815	44,449,154	43,196,700	50,645,400	51,593,100	52,337,400	53,093,100	53,631,600
License permits and privilege fees	643,359	627,102	607,788	563,977	577,950	578,000	587,000	596,200	604,600	613,100
Fines and forfeitures	851,160	725,330	643,831	339,118	580,000	480,000	522,300	537,900	554,000	570,600
Use of money and property	573,286	1,041,455	809,423	230,607	65,000	65,000	77,700	93,500	113,200	113,400
Charges for services	1,363,827	1,330,650	1,047,416	962,547	1,303,400	1,303,700	1,329,100	1,354,500	1,381,000	1,407,600
Miscellaneous revenues	5,413,956	5,703,750	6,018,142	7,493,372	5,892,600	5,943,500	5,946,700	5,949,100	5,949,500	5,951,200
Recovered costs	914,577	845,139	844,515	941,345	969,350	920,000	929,000	916,600	924,700	924,600
State revenue	10,266,800	10,388,878	10,415,513	10,960,257	10,195,049	10,663,100	10,762,500	10,895,000	11,001,400	11,141,800
Federal revenue	400,803	292,076	294,435	9,806,308	47,500	40,000	40,000	40,000	40,000	40,000
Non-revenue receipts	43,743	55,376	236,091	125,266	50,000	50,000	50,000	50,000	50,000	50,000
Transfers - Operating	1,983,050	2,036,700	2,032,200	2,310,400	2,310,400	2,319,600	2,157,750	2,163,900	2,170,200	2,176,600
Transfers - Other	-	46,929	2,181,894	-	-	-	-	-	-	-
Total revenue including fund balance	118,533,345	125,686,132	125,884,492	135,147,441	125,203,194	131,583,700	134,033,950	136,474,200	138,972,200	141,010,000
Operating Expenditures:										
General government	5,260,661	5,353,792	5,902,182	6,119,384	6,764,932	7,015,000	7,190,500	7,370,400	7,554,600	7,743,700
Public safety	22,264,920	23,192,762	24,387,525	25,185,007	27,267,563	28,245,100	28,951,000	29,674,900	29,313,500	30,046,400
Public works	7,141,789	7,493,326	6,950,221	7,334,617	8,622,626	8,810,800	9,081,300	9,358,300	9,642,400	9,933,600
Health and welfare	1,338,397	1,384,435	1,454,800	1,375,987	1,364,792	1,392,100	1,420,000	1,448,400	1,477,400	1,507,000
Parks and recreation	5,503,469	5,793,171	5,802,003	5,169,788	6,332,791	6,570,700	6,735,100	6,903,500	7,076,200	7,253,000
Community development	2,669,438	2,471,607	2,524,801	5,506,196	2,616,414	2,673,400	2,740,300	2,809,000	2,879,100	2,951,100
Joint operations	8,040,913	8,763,316	8,965,630	9,949,783	9,690,900	9,884,700	10,131,800	10,385,100	10,644,700	10,910,800
Reserve for contingencies	-	-	-	-	825,000	225,000	225,000	225,000	225,000	225,000
Debt service and fiscal charges	15,103,202	15,549,628	16,065,431	15,724,233	18,233,653	20,763,200	20,301,000	20,280,000	19,809,500	19,339,100
Payment for conference center	-	95,268	1,100,000	900,000	1,100,000	1,133,000	1,161,300	1,190,300	1,220,100	-
Transfers - Other than Schools	2,525,703	2,494,118	2,471,485	2,923,768	3,157,977	3,221,100	3,535,500	3,601,200	3,668,200	3,736,600
Transfers - Schools	33,262,539	34,419,222	35,803,308	36,008,259	36,008,259	36,008,300	37,448,600	38,946,500	40,504,400	42,124,600
Total operating expenditures	103,111,031	107,010,643	111,427,385	116,197,023	121,984,907	125,942,400	128,921,400	132,192,600	134,015,100	135,770,900
Cash/Funds Available for Capital	15,422,314	18,675,489	14,457,107	18,950,418	3,218,287	5,641,300	5,112,550	4,281,600	4,957,100	5,239,100
Capital Expenditures:										
Capital outlay	5,157,491	5,951,480	5,807,301	4,874,313	2,818,287	2,858,700	2,878,100	2,897,700	2,917,600	2,938,000
Transfers to Capital projects	2,847,850	5,283,327	4,203,000	200,000	400,000	500,000	500,000	500,000	500,000	500,000
Total capital expenditures	8,005,341	11,234,807	10,010,301	5,074,313	3,218,287	3,358,700	3,378,100	3,397,700	3,417,600	3,438,000
Revenue Over (Under) Expenditures	**7,416,973**	**7,440,682**	**4,446,806**	**13,876,105**	**-**	**2,282,600**	**1,734,450**	**883,900**	**1,539,500**	**1,801,100**

City of Harrisonburg, Virginia
Water Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2017 Through June 30, 2027

	Fiscal Years									
	Actual 2018	**Actual 2019**	**Actual 2020**	**Actual 2021**	**Budgeted 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**	**Projected 2026**	**Projected 2027**
Amount from fund balance	465,948	1,273,619	1,377,518	356,448	200,000	-	-	-	-	-
Revenues:										
License permits & privilege fees	301,200	343,110	193,900	134,000	150,000	150,000	150,000	150,000	150,000	150,000
Use of money and property	149,204	264,856	210,619	70,108	35,800	27,700	28,000	29,500	34,000	43,000
Charges for services	7,964,752	8,287,406	9,354,072	9,029,201	9,101,650	10,383,500	10,591,100	10,802,900	11,018,900	11,239,300
Miscellaneous	28,975	6,322	7,397	7,839	6,000	6,000	6,000	6,000	6,000	6,000
Recovered costs	65,730	69,685	81,153	53,658	35,000	35,000	35,000	35,000	35,000	35,000
Transfers - Depreciation, etc.	1,904,136	1,484,800	1,519,500	1,582,500	1,723,200	1,757,700	1,792,900	1,828,800	1,865,400	1,902,700
Total revenue including fund balance	10,879,946	11,729,797	12,744,158	11,233,755	11,251,650	12,359,900	12,603,000	12,852,200	13,109,300	13,376,000
Operating Expenditures:										
Personal service	1,769,191	1,859,035	1,978,710	2,033,316	2,248,726	2,361,200	2,420,200	2,480,700	2,542,700	2,606,300
Fringe benefits	604,537	645,434	677,071	666,495	759,848	797,800	817,700	838,100	859,100	880,600
Purchased services	216,721	222,016	188,391	177,779	251,200	256,200	262,600	269,200	275,900	282,800
Internal services	12,108	16,340	12,616	13,890	13,900	14,200	14,600	15,000	15,400	15,800
Other charges	494,643	498,820	484,203	456,134	562,231	573,500	587,800	602,500	617,600	633,000
Materials and supplies	282,757	303,593	304,377	258,670	367,522	374,900	384,300	393,900	403,700	413,800
Depreciation	1,904,136	1,484,800	1,519,500	1,582,500	1,723,200	1,757,700	1,792,900	1,828,800	1,865,400	1,902,700
Payment in lieu of taxes	507,174	571,800	584,700	603,900	603,900	616,000	631,400	647,200	663,400	680,000
Debt service and fiscal charges	1,057,412	1,525,622	1,523,480	1,532,978	1,442,405	2,655,900	2,663,000	2,656,600	2,661,600	2,657,700
Transfers - Other	1,085,295	1,088,820	1,098,630	1,100,445	1,094,810	1,098,200	1,101,700	1,105,300	1,108,900	1,112,600
Total operating expenditures	7,933,974	8,216,281	8,371,678	8,426,107	9,067,742	10,505,600	10,676,200	10,837,300	11,013,700	11,185,300
Cash/Funds Available for Capital	2,945,972	3,513,516	4,372,481	2,807,648	2,183,908	1,854,300	1,926,800	2,014,900	2,095,600	2,190,700
Capital Expenditures:										
Capital outlay	100,089	231,338	182,929	170,336	179,000	182,600	187,200	191,900	196,700	201,600
Transfers - Capital projects	1,829,000	2,835,392	3,357,725	2,314,253	2,004,908	-	-	-	-	-
Total capital expenditures	1,929,089	3,066,730	3,540,654	2,484,589	2,183,908	182,600	187,200	191,900	196,700	201,600
Revenue Over (Under) Expenditures	**1,016,883**	**446,786**	**831,827**	**323,059**	**-**	**1,671,700**	**1,739,600**	**1,823,000**	**1,898,900**	**1,989,100**

City of Harrisonburg, Virginia
Sewer Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2017 Through June 30, 2027

	Fiscal Years									
	Actual 2018	**Actual 2019**	**Actual 2020**	**Actual 2021**	**Budgeted 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**	**Projected 2026**	**Projected 2027**
Amount from fund balance	223,970	833,788	2,832,464	1,923,654	862,059	-	-	-	-	-
Revenues:										
License permits and privilege fees	495,300	571,000	318,000	201,500	200,000	200,000	200,000	200,000	200,000	200,000
Use of money and property	100,737	213,890	181,580	32,442	8,000	2,800	3,100	4,700	9,400	18,800
Charges for services	10,646,203	10,845,868	11,430,763	10,898,231	10,119,590	12,341,500	12,587,900	12,851,800	13,108,400	13,370,200
Miscellaneous	5,053	8,099	6,307	5,978	2,000	2,000	2,000	2,000	2,000	2,000
Recovered costs	35,904	49,811	75,866	107,030	26,000	26,000	26,000	26,000	26,000	26,000
Transfers - Depreciation, etc.	1,449,408	1,506,900	1,551,000	1,609,200	1,192,500	1,204,400	1,228,500	1,253,100	1,278,200	1,303,800
Total revenue including fund balance	12,956,575	14,029,356	16,395,982	14,778,036	12,410,149	13,776,700	14,047,500	14,337,600	14,624,000	14,920,800
Operating Expenditures:										
Personal service	1,104,524	1,213,679	1,303,156	1,312,867	1,598,399	1,678,300	1,720,300	1,763,300	1,807,400	1,852,600
Fringe benefits	398,043	458,783	487,390	476,346	604,863	635,100	651,000	667,300	684,000	701,100
Purchased services	72,666	87,160	77,399	107,312	97,730	99,700	102,200	104,800	107,400	110,100
Internal services	232,287	264,725	243,700	221,443	249,800	254,800	261,200	267,700	274,400	281,300
Other charges	154,063	171,027	143,968	141,129	172,390	175,800	180,200	184,700	189,300	194,000
Materials and supplies	151,348	150,394	142,873	180,406	156,850	160,000	164,000	168,100	172,300	176,600
Depreciation	1,449,408	1,506,900	1,551,000	1,609,200	1,192,500	1,204,400	1,228,500	1,253,100	1,278,200	1,303,800
Payment to HRRSA - Operations	2,812,864	2,909,391	3,181,398	3,132,747	3,300,000	3,465,000	3,551,600	3,640,400	3,731,400	3,824,700
Payment to HRRSA - Debt service	2,901,775	3,145,893	3,250,301	3,462,880	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000
Payment in lieu of taxes	354,567	390,600	394,500	397,800	403,200	411,300	421,600	432,100	442,900	454,000
Transfers - Other	939,410	939,762	2,382,976	938,615	942,417	942,800	943,200	943,600	944,000	944,400
Transfers - Reserve for HRRSA	-	150,000	300,000	-	-	-	-	-	-	-
Total operating expenditures	10,570,955	11,388,314	13,458,659	11,980,744	12,318,149	12,627,200	12,823,800	13,025,100	13,231,300	13,442,600
Cash/Funds Available for Capital	2,385,620	2,641,042	2,937,322	2,797,292	92,000	1,149,500	1,223,700	1,312,500	1,392,700	1,478,200
Capital Expenditures:										
Capital outlay	120,441	129,365	223,980	407,254	92,000	93,800	96,100	98,500	101,000	103,500
Transfers - Capital projects	515,000	1,336,000	1,186,848	2,093,094	-	-	-	-	-	-
Total capital expenditures	635,441	1,465,365	1,410,828	2,500,348	92,000	93,800	96,100	98,500	101,000	103,500
Revenue Over (Under) Expenditures	**1,750,180**	**1,175,677**	**1,526,494**	**296,944**	**-**	**1,055,700**	**1,127,600**	**1,214,000**	**1,291,700**	**1,374,700**

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, 2017 Through June 30, 2027

	Fiscal Years									
	Actual 2018	**Actual 2019**	**Actual 2020**	**Actual 2021**	**Budgeted 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**	**Projected 2026**	**Projected 2027**
Amount from fund balance	117,832	51,000	65,000	189,310	450,000	-	-	-	-	-
Revenues:										
Use of money and property	1,058	2,946	1,616	1,781	400	300	400	600	1,200	2,400
Charges for services	3,745,820	4,028,256	4,142,464	3,768,305	4,318,822	4,430,700	4,545,600	4,663,600	4,784,800	4,909,200
Miscellaneous	39,997	18,850	14,101	1,572	15,000	15,000	15,000	15,000	15,000	15,000
Total revenue including fund balance	3,904,707	4,101,053	4,223,181	3,960,968	4,784,222	4,446,000	4,561,000	4,679,200	4,801,000	4,926,600
Operating Expenditures:										
Personal service	1,702,865	1,853,704	1,786,861	1,500,546	2,164,449	2,272,700	2,329,500	2,387,700	2,447,400	2,508,600
Fringe benefits	634,102	622,864	622,958	553,360	833,683	875,400	897,300	919,700	942,700	966,300
Purchased services	77,766	75,269	31,174	130,701	117,960	120,300	123,300	126,400	129,600	132,800
Internal services	894,136	1,022,077	823,343	636,715	1,107,630	1,129,800	1,158,000	1,187,000	1,216,700	1,247,100
Other charges	98,258	110,622	105,163	106,196	129,010	131,600	134,900	138,300	141,800	145,300
Materials and supplies	14,594	16,359	19,604	22,640	31,490	32,100	32,900	33,700	34,500	35,400
Total operating expenditures	3,421,721	3,700,894	3,389,102	2,950,159	4,384,222	4,561,900	4,675,900	4,792,800	4,912,700	5,035,500
Cash/Funds Available for Capital	482,986	400,158	834,079	1,010,809	400,000	(115,900)	(114,900)	(113,600)	(111,700)	(108,900)
Capital Expenditures:										
Capital outlay	361,871	380,214	381,953	174,621	400,000	-	-	-	-	-
Total capital expenditures	361,871	380,214	381,953	174,621	400,000	-	-	-	-	-
Revenue Over (Under) Expenditures	**121,115**	**19,944**	**452,126**	**836,188**	**-**	**(115,900)**	**(114,900)**	**(113,600)**	**(111,700)**	**(108,900)**

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, 2017 Through June 30, 2027

	Fiscal Years									
	Actual 2018	**Actual 2019**	**Actual 2020**	**Actual 2021**	**Budgeted 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**	**Projected 2026**	**Projected 2027**
Amount from fund balance	28,181	3,128	128,818	216,554	220,000	-	-	-	-	-
Revenues:										
Use of money and property	111,728	122,403	103,293	74,824	96,000	95,300	97,200	99,300	101,800	104,800
Charges for service	1,949,217	1,958,647	1,939,559	1,941,895	2,138,002	2,176,900	2,218,700	2,261,400	2,304,900	2,349,400
Miscellaneous	186,763	37,040	9,398	6,348	-	-	-	-	-	-
Recovered costs	111,712	115,571	124,095	115,943	122,375	124,800	124,800	124,800	124,800	124,800
Intergovernmental revenue	2,950,954	3,370,369	3,447,508	6,791,038	9,808,257	4,617,600	4,709,800	4,865,500	5,026,800	5,194,000
Transfers - Depreciation, etc.	216,660	-	-	-	-	-	-	-	-	-
Transfers - General Fund	322,858	250,000	145,834	-	-	-	-	-	-	-
Total revenue including fund balance	5,878,073	5,857,159	5,898,506	9,146,602	12,384,634	7,014,600	7,150,500	7,351,000	7,558,300	7,773,000
Operating Expenditures:										
Personal service	2,290,203	2,378,590	2,696,642	2,672,626	3,080,421	3,234,400	3,315,300	3,398,200	3,483,200	3,570,300
Fringe benefits	621,436	604,164	640,610	670,262	812,903	853,500	874,800	896,700	919,100	942,100
Purchased services	76,578	130,197	103,115	164,847	317,645	324,000	332,100	340,400	348,900	357,600
Internal services	1,393,316	1,541,894	1,518,177	1,502,899	1,909,100	1,947,300	1,996,000	2,045,900	2,097,000	2,149,400
Other charges	259,998	265,568	213,598	212,240	346,295	353,200	362,000	371,100	380,400	389,900
Materials and supplies	33,902	40,475	51,136	51,542	82,270	83,900	86,000	88,200	90,400	92,700
Depreciation	216,660	-	-	-	-	-	-	-	-	-
Transfers - General Fund	125,000	170,000	160,000	336,000	336,000	342,700	349,600	173,200	176,700	180,200
Total operating expenditures	5,017,092	5,130,889	5,383,278	5,610,415	6,884,634	7,139,000	7,315,800	7,313,700	7,495,700	7,682,200
Cash/Funds Available for Capital	860,981	726,270	515,228	3,536,187	5,500,000	(124,400)	(165,300)	37,300	62,600	90,800
Capital Expenditures:										
Capital outlay	241,208	122,304	283,168	3,188,652	5,500,000	25,000	25,500	26,000	26,500	27,000
Total capital expenditures	241,208	122,304	283,168	3,188,652	5,500,000	25,000	25,500	26,000	26,500	27,000
Revenue Over (Under) Expenditures	**619,774**	**603,965**	**232,060**	**347,535**	**-**	**(149,400)**	**(190,800)**	**11,300**	**36,100**	**63,800**

City of Harrisonburg, Virginia
Sanitation Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2017 Through June 30, 2027

	Fiscal Years									
	Actual 2018	**Actual 2019**	**Actual 2020**	**Actual 2021**	**Budgeted 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**	**Projected 2026**	**Projected 2027**
Amount from fund balance	1,250,048	1,273,121	312,730	1,099,432	453,113	-	-	-	-	-
Revenues:										
Use of money and property	40,915	54,608	45,265	9,506	3,000	800	1,000	1,500	3,000	6,000
Charges for services	4,220,176	4,140,588	4,122,175	4,238,457	4,150,000	4,392,600	4,392,600	4,392,600	4,392,600	4,392,600
Miscellaneous	8,966	21,780	10,304	17,803	-	-	-	-	-	-
Recovered costs:	110,288	101,825	-	-	-	-	-	-	-	-
Transfers - Depreciation, etc.	200,000	-	-	-	-	-	-	-	-	-
Transfers - Capital Projects Fund	-	127,740	-	-	-	-	-	-	-	-
Total revenue including fund balance	5,830,392	5,719,662	4,490,474	5,365,198	4,606,113	4,393,400	4,393,600	4,394,100	4,395,600	4,398,600
Operating Expenditures:										
Personal service	815,035	820,204	911,447	974,024	1,108,749	1,164,200	1,193,300	1,223,100	1,253,700	1,285,000
Fringe benefits	361,556	359,749	396,061	402,034	501,135	526,200	539,400	552,900	566,700	580,900
Purchased services	899,235	736,824	676,864	771,861	959,481	978,700	1,003,200	1,028,300	1,054,000	1,080,400
Internal services	141,716	194,378	198,922	220,185	207,300	211,400	216,700	222,100	227,700	233,400
Other charges	64,606	65,417	48,978	44,891	61,400	62,600	64,200	65,800	67,400	69,100
Materials and supplies	11,507	26,836	19,305	8,777	62,650	63,900	65,500	67,100	68,800	70,500
Depreciation	200,000	-	-	-	-	-	-	-	-	-
Debt service and fiscal charges	2,164,751	2,161,835	1,588,614	1,584,551	1,580,613	1,509,800	1,511,500	1,509,800	-	-
Transfers - General Fund	-	-	-	107,200	107,200	109,300	111,500	113,700	116,000	118,300
Total operating expenditures	4,658,406	4,365,243	3,840,191	4,113,523	4,588,528	4,626,100	4,705,300	4,782,800	3,354,300	3,437,600
Cash/Funds Available for Capital	1,171,985	1,354,419	650,283	1,251,675	17,585	(232,700)	(311,700)	(388,700)	1,041,300	961,000
Capital Expenditures:										
Capital outlay	111,874	15,192	47,852	765,057	17,585	17,900	18,300	18,800	19,300	19,800
Transfers - Capital projects	265,000	73,500	-	-	-	-	-	-	-	-
Total capital expenditures	376,874	88,692	47,852	765,057	17,585	17,900	18,300	18,800	19,300	19,800
Revenue Over (Under) Expenditures	**795,111**	**1,265,727**	**602,431**	**486,618**	**-**	**(250,600)**	**(330,000)**	**(407,500)**	**1,022,000**	**941,200**

City of Harrisonburg, Virginia
Stormwater Fund
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects
For the Ten Year Period July 1, 2017 Through June 30, 2027

	Fiscal Years									
	Actual 2018	**Actual 2019**	**Actual 2020**	**Actual 2021**	**Budgeted 2022**	**Projected 2023**	**Projected 2024**	**Projected 2025**	**Projected 2026**	**Projected 2027**
Amount from fund balance	228,401	245,350	34,620	25,442	-	-	-	-	-	-
Revenues:										
Use of money and property	30,395	68,912	65,484	12,936	3,000	1,400	1,800	2,700	5,400	10,800
Charges for services	1,346,996	1,293,723	1,361,076	1,302,663	1,327,680	1,327,700	1,327,700	1,327,700	1,327,700	1,327,700
Miscellaneous	-	-	-	-	-	-	-	-	-	-
Recovered costs	275	-	-	-	-	-	-	-	-	-
Intergovernmental revenue	-	-	-	-	-	-	-	-	-	-
Total revenue including fund balance	1,606,067	1,607,985	1,461,180	1,341,041	1,330,680	1,329,100	1,329,500	1,330,400	1,333,100	1,338,500
Operating Expenditures:										
Personal service	106,651	99,700	105,070	100,197	185,417	194,700	199,600	204,600	209,700	214,900
Fringe benefits	32,142	28,031	31,620	30,337	64,919	68,200	69,900	71,600	73,400	75,200
Purchased services	207,412	13,096	13,678	39,851	146,852	149,800	153,500	157,300	161,200	165,200
Internal services	25,791	30,799	30,683	36,822	38,100	38,900	39,900	40,900	41,900	42,900
Other charges	14,121	17,201	52,061	49,316	135,217	137,900	141,300	144,800	148,400	152,100
Materials and supplies	6,130	2,873	2,517	765	12,250	12,500	12,800	13,100	13,400	13,700
Transfers - General Fund	11,250	19,900	25,400	20,400	20,400	20,800	21,200	21,600	22,000	22,400
Total operating expenditures	403,498	211,599	261,030	277,687	603,155	622,800	638,200	653,900	670,000	686,400
Cash/Funds Available for Capital	1,202,569	1,396,386	1,200,149	1,063,354	727,525	706,300	691,300	676,500	663,100	652,100
Capital Expenditures:										
Capital outlay	69,150	170,466	39,421	328,497	414,525	414,525	414,525	414,525	414,525	414,525
Transfers - Capital projects	885,000	1,079,000	667,500	-	313,000	-	-	-	-	-
Total capital expenditures	954,150	1,249,466	706,921	328,497	727,525	414,525	414,525	414,525	414,525	414,525
Revenue Over (Under) Expenditures	**248,419**	**146,920**	**493,228**	**734,857**	**-**	**291,775**	**276,775**	**261,975**	**248,575**	**237,575**