

**CITY OF HARRISONBURG  
 CAPITAL IMPROVEMENT PROGRAM  
 FISCAL YEAR 2017-18 THROUGH FISCAL YEAR 2021-22**

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**CITY OF HARRISONBURG  
CAPITAL IMPROVEMENT PROGRAM  
FISCAL YEAR 2017-2018 THROUGH FISCAL YEAR 2021-2022**

**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 in an effort to facilitate planning and setting priorities among capital improvement needs over a subsequent five-year period. The CIP is designed to identify projects for all City departments for which funding has already been committed or is being sought for some time within the five-year planning period.

Planning for capital equipment and improvements is a matter of prudent financial 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. Preparation of a comprehensive CIP is also a way in which the City can demonstrate its commitment to the Mission Statement and to its goals.

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 of the proposed projects within the CIP will not likely be funded exactly as outlined due to budgetary restraints. Nevertheless, all of the projects are important and need to be included in the planning document in order to have clear vision of the long term needs of the City. Projects for Harrisonburg City Public Schools are also included within the document.

Finally, it should be stressed that the CIP is not a static plan. It is a part of annual planning and programming. Each year, another year will be added to the planning period in order to maintain the five-year forecast horizon. Also, each year, costs and needs will need to be 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 responsibility.

**Format**

The Capital Project Request Form identifies each project as belonging to a particular department and itemizes anticipated project costs along with a recommended funding schedule. Estimates of the annual operating cost are also presented. The requesting department provides a justification for each project on the Capital Project Request Form. Along with its narrative description, the department has marked any of a series of project justification codes that pertain to the project.

These justifications codes are described below:

<b><u>Justification Codes</u></b>	<b><u>Elaboration</u></b>
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	Permits and 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 improvements in the standard of existing services.
7. New service	Makes possible the provision of a new service.
8. Convenience	Increases convenience or comfort.
9. Other	(Describe).

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

<b><u>Priority Code</u></b>	<b><u>Description</u></b>
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 at the bottom of the summary page for each major fund. The City will have a difficult time funding all of the number 1 and 2 projects given the current revenue stream.

### **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 so they 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 January 2017, when 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 February 2017. Final adoption is scheduled for February 2017.

**CITY OF HARRISONBURG**  
**Capital Improvement Program**  
**Priority 1 & 2 Projects**  
**General Fund Summary**  
**FY 2018 through FY 2022**

<b>Department Project Title</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017-2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020-2021</b>	<b>FY 2021-2022</b>	<b>TOTAL</b>	<b>Beyond</b>
<b>Information Technology</b>									
New Water Billing Software	1	2	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ 800,000	
Storage System Replacement	2	2	\$ 80,000	\$ 80,000	\$ -	\$ -	\$ -	\$ 160,000	
Training Management Software	3	2	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000	
Document Management System	4	2	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000	
Electronic Time Entry System	5	2	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ 300,000	
Citizen Inquiry Application	6	2	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000	
<b>Department Total</b>			<b>\$ 880,000</b>	<b>\$ 980,000</b>	<b>\$ 250,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,110,000</b>	
<b>Police Department</b>									
Firearms Range and Classroom Relocation	7	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 310,336
<b>Department Total</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 310,336</b>
<b>Fire Department</b>									
Fire Engine 26 Replacement	8	2	\$ 189,210	\$ 189,210	\$ 189,210	\$ -	\$ -	\$ 567,630	
Fire Engine 25 Replacement	9	2	\$ -	\$ 189,210	\$ 189,210	\$ 189,210	\$ -	\$ 567,630	
Self Contained Breathing Apparatus Replacement	10	1	\$ 509,000	\$ -	\$ -	\$ -	\$ -	\$ 509,000	
<b>Department Total</b>			<b>\$ 698,210</b>	<b>\$ 378,420</b>	<b>\$ 378,420</b>	<b>\$ 189,210</b>	<b>\$ -</b>	<b>\$ 1,644,260</b>	
<b>Emergency Communications Center</b>									
Regional CAD/Records System	15	1	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	
Microwave Radio System Upgrade	16	1	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000	
9-1-1 System Upgrade	17	1	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ 500,000	

<b>Emergency Communications Center Continued</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017-2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020-2021</b>	<b>FY 2021-2022</b>	<b>TOTAL</b>	<b>Beyond</b>
Redundant Core Computer Network	18	2	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 300,000	
Replace Portable/Mobile Radios	19	1	\$ -	\$ 4,000,000	\$ 4,000,000	\$ -	\$ -	\$ 8,000,000	
Update ECC Servers/Computers	20	2	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ 250,000	
Replace ECC Vehicle	21	2	\$ -	\$ -	\$ 85,000	\$ -	\$ -	\$ 85,000	
Build New ECC	22	2	\$ -	\$ -	\$ 100,000	\$ 7,900,000	\$ -	\$ 8,000,000	
Planned Radio System Upgrade	23	2	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	\$ 2,000,000	
<b>Department Total</b>			<b>\$ 3,350,000</b>	<b>\$ 4,500,000</b>	<b>\$ 4,435,000</b>	<b>\$ 7,900,000</b>	<b>\$ 2,000,000</b>	<b>\$ 22,185,000</b>	
<b>General Properties</b>									
Renovation of Old Municipal Building	24	2	\$ -	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 2,500,000	
<b>Department Total</b>			<b>\$ -</b>	<b>\$ 2,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,500,000</b>	
<b>Public Works</b>									
Country Club Road (2) Bridges	26	2	\$ -	\$ 550,000	\$ -	\$ 1,350,000	\$ -	\$ 1,900,000	
Bridge Preventative Maintenance Program	28	2	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 700,000	
Annual Street Paving Program	29	2	\$ 2,000,000	\$ 2,100,000	\$ 2,200,000	\$ 2,300,000	\$ 2,300,000	\$ 10,900,000	
Equipment Replacement	30	2	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ 375,000	
Traffic Management Equipment Program	40	2	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	
Traffic Signal Pole Anchor Bolts UT Inspection	41	1	\$ 75,000	\$ -	\$ -	\$ -	\$ 75,000	\$ 150,000	
Renovations of Public Works Maintenance Shops	43	2	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000	
South Main Street	48	2	\$ -	\$ 1,000,000	\$ 5,000,000	\$ -	\$ -	\$ 6,000,000	\$ 6,300,000
Chicago Avenue/Mt. Clinton Pike/Park Road Roundabout	49	2	\$ 4,380,000	\$ -	\$ -	\$ -	\$ -	\$ 4,380,000	
Chicago Avenue Improvements	50	2	\$ -	\$ -	\$ 450,000	\$ 6,000,000	\$ -	\$ 6,450,000	
Carlton Street Improvement	53	2	\$ -	\$ 250,000	\$ 750,000	\$ 1,500,000	\$ -	\$ 2,500,000	
Bluestone Trail	54	2	\$ -	\$ 200,000	\$ 1,500,000	\$ -	\$ -	\$ 1,700,000	

<b>Public Works Continued</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017-2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020-2021</b>	<b>FY 2021-2022</b>	<b>TOTAL</b>	<b>Beyond</b>
East Market Street - Exit 247 Improvements MLK to Burgess	56	2	\$ 4,356,761	\$ 1,390,011	\$ 25,423,901	\$ 25,423,901	\$ -	\$ 56,594,574	
University Boulevard - Sidewalk	57	2	\$ -	\$ 225,000	\$ 250,000	\$ 275,000	\$ -	\$ 750,000	
Stone Spring Road/Erickson Avenue Connector	58	2	\$ 4,300,000	\$ -	\$ -	\$ -	\$ -	\$ 4,300,000	
Martine Luther King Jr. Way Widening	61	2	\$ -	\$ -	\$ -	\$ 300,000	\$ 125,000	\$ 425,000	\$ 3,000,000
East Market Street - Safety Improvement Program	62	2	\$ -	\$ 30,000	\$ 170,000	\$ -	\$ -	\$ 200,000	
Neff Avenue Improvements	63	2	\$ -	\$ -	\$ 400,000	\$ 1,800,000	\$ -	\$ 2,200,000	
Virginia Avenue - Gay Street to 5th Street	65	2	\$ -	\$ -	\$ 425,000	\$ -	\$ -	\$ 425,000	\$ 3,500,000
Linda Lane Widening	66	2	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000	\$ 2,500,000
Smithland Road	67	2	\$ -	\$ -	\$ 500,000	\$ 1,000,000	\$ 2,750,000	\$ 4,250,000	
Northend Greenway	69	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,300,000
North Main Street Sidewalk	70	2	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000	
Reservoir Street Sidewalk	71	2	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	
<b>Department Total</b>			<b>\$ 16,701,761</b>	<b>\$ 6,310,011</b>	<b>\$ 37,258,901</b>	<b>\$ 40,138,901</b>	<b>\$ 5,690,000</b>	<b>\$ 106,099,574</b>	<b>\$ 16,600,000</b>
<b>Parks and Recreation</b>									
Smithland Soccer Field 4 Parking	72	2	\$ 315,000	\$ -	\$ -	\$ -	\$ -	\$ 315,000	
Westover Pool Resurfacing	73	1	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ 240,000	
Westover Pool Deck Resurfacing	74	1	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ 240,000	
Westover Pool Slide Replacement	75	2	\$ 108,500	\$ -	\$ -	\$ -	\$ -	\$ 108,500	
Parks Accessibility Improvement Program	76	1	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ -	\$ 200,000	
Playground Improvement Program	77	2	\$ 25,000	\$ 250,000	\$ -	\$ 25,000	\$ 250,000	\$ 550,000	

<b>Parks and Recreation Continued</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017-2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020-2021</b>	<b>FY 2021-2022</b>	<b>TOTAL</b>	<b>Beyond</b>
Heritage Oaks - Water Supply	78	2	\$ 50,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 300,000	
Athletic Field Lighting Program	79	2	\$ -	\$ 350,000	\$ 250,000	\$ 250,000	\$ -	\$ 850,000	
Athletic Field Returfing Program	81	2	\$ -	\$ -	\$ 250,000	\$ -	\$ 250,000	\$ 500,000	\$ 250,000
Ralph Sampson Park Improvement Project	82	2	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ 50,000	\$ 700,000
Ramblewood Park Redevelopment	83	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,012,795
Smithland Soccer Complex Development	84	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 735,000
<b>Department Total</b>			<b>\$ 1,028,500</b>	<b>\$ 900,000</b>	<b>\$ 550,000</b>	<b>\$ 325,000</b>	<b>\$ 550,000</b>	<b>\$ 3,353,500</b>	<b>\$ 3,697,795</b>
<b>Parking Services</b>									
Elizabeth Street Deck	89	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000
Downtown Parking Lot Improvement Program	90	2	\$ 40,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 190,000	
Downtown Parking Deck	91	2	\$ -	\$ 750,000	\$ 7,500,000	\$ -	\$ -	\$ 8,250,000	
<b>Department Total</b>			<b>\$ 40,000</b>	<b>\$ 900,000</b>	<b>\$ 7,500,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 8,440,000</b>	<b>\$ 1,500,000</b>
<b>TOTAL GENERAL FUND</b>			<b>\$ 22,698,471</b>	<b>\$ 16,468,431</b>	<b>\$ 50,372,321</b>	<b>\$ 48,553,111</b>	<b>\$ 8,240,000</b>	<b>\$ 146,332,334</b>	<b>\$ 22,108,131</b>
<b>Potential Other Funding, Excluding Bond Funds, Not Included in Available Revenues</b>			<b>\$ (17,983,261)</b>	<b>\$ (4,852,511)</b>	<b>\$ (32,162,651)</b>	<b>\$ (33,148,901)</b>	<b>\$ (2,750,000)</b>	<b>\$ (90,897,324)</b>	<b>\$ (12,650,000)</b>
<b>Anticipated Bond Funds</b>			<b>\$ -</b>	<b>\$ (2,500,000)</b>	<b>\$ -</b>	<b>\$ (6,000,000)</b>	<b>\$ -</b>	<b>\$ (8,500,000)</b>	<b>\$ (5,457,795)</b>
<b>TOTAL NEEDED FROM GENERAL FUND (EXCLUDING SCHOOLS)</b>			<b>\$ 4,715,210</b>	<b>\$ 9,115,920</b>	<b>\$ 18,209,670</b>	<b>\$ 9,404,210</b>	<b>\$ 5,490,000</b>	<b>\$ 46,935,010</b>	<b>\$ 4,000,336</b>
<b>TOTAL AVAILABLE FROM GENERAL FUND</b>			<b>\$ 3,941,080</b>	<b>\$ 3,586,729</b>	<b>\$ 3,128,706</b>	<b>\$ 3,538,260</b>	<b>\$ 3,622,358</b>	<b>\$ 17,817,133</b>	



**CITY OF HARRISONBURG**  
**Capital Improvement Program**  
**Priority 1 & 2 Projects**  
**School Fund**  
**FY 2018 through FY 2022**

<b>School Fund Project Title</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017- 2018</b>	<b>FY 2018- 2019</b>	<b>FY 2019- 2020</b>	<b>FY 2020- 2021</b>	<b>FY 2021- 2022</b>	<b>TOTAL</b>	<b>Beyond</b>
Upgrade HVAC Controls Stone Spring ES	92	2	\$ -	\$ -	\$ -	\$ -	\$ 53,000	\$ 53,000	\$ -
Storefront Door Replacement Smithland ES & Skyline MS	93	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102,000
Chiller Replacement Harrisonburg HS	94	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Renovation/Remodel of Thomas Harrison MS	95	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000
Purchase Land for Additional Capacity	96	2	\$ -	\$ 1,500,000	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -
High School Annex	97	2	\$ -	\$ 51,400,000	\$ -	\$ -	\$ -	\$ 51,400,000	\$ -
Boiler Replacement Stone Spring ES	98	2	\$ -	\$ -	\$ -	\$ 75,000	\$ -	\$ 75,000	\$ -
Air Handler Replacement Spotswood ES	99	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 179,000
Air Handler Replacement Waterman ES	100	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 253,000
Chiller Replacement Stone Spring ES	101	2	\$ -	\$ -	\$ -	\$ 185,000	\$ -	\$ 185,000	\$ -
Air Handler Replacement Keister ES	102	2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 253,000
SKMS Parking Lot Entrance Improvements	103	2	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000	\$ -
Resurface THMS Entrance and Parking Lot	104	2	\$ -	\$ -	\$ -	\$ 91,000	\$ -	\$ 91,000	\$ -
Construct 7th Elementary School	105	2	\$ -	\$ -	\$ -	\$ -	\$ 40,000,000	\$ 40,000,000	\$ -
Roof Replacement/Repairs at Spotswood ES and Waterman ES	106	2	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000	\$ -
Purchase Land for Additional Elementary School Capacity	107	2	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ 2,000,000	\$ -
<b>TOTAL SCHOOL FUND</b>			<b>\$ 50,000</b>	<b>\$ 52,900,000</b>	<b>\$ -</b>	<b>\$ 2,351,000</b>	<b>\$ 40,253,000</b>	<b>\$ 95,554,000</b>	<b>\$ 6,087,000</b>
<b>ANTICIPATED BOND FUNDS</b>			<b>\$ -</b>	<b>\$ (52,900,000)</b>	<b>\$ -</b>	<b>\$ (2,000,000)</b>	<b>\$ (40,000,000)</b>	<b>\$ (94,900,000)</b>	<b>\$ 5,000,000</b>
<b>TOTAL NEEDED FROM SCHOOL FUND</b>			<b>\$ 50,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 351,000</b>	<b>\$ 253,000</b>	<b>\$ 654,000</b>	<b>\$ 11,087,000</b>

**CITY OF HARRISONBURG**

**Capital Improvement Program**

**Priority 1 & 2 Projects**

**Water Fund**

**FY 2018 through FY 2022**

<b>Department Project Title</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017-2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020-2021</b>	<b>FY 2021-2022</b>	<b>TOTAL</b>	<b>Beyond</b>
Western Raw Waterline	108	2	\$ 6,000,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 6,400,000	\$ 7,720,000
Eastern Source Development	109	2	\$ 21,500,000	\$ -	\$ -	\$ -	\$ -	\$ 21,500,000	
Rural Potable Projects	110	2	\$ 270,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,270,000	\$ 1,105,000
Management of Pumping, Storage & Transfer Assets	112	2	\$ 459,000	\$ 25,000	\$ 9,000	\$ 25,000	\$ 25,000	\$ 543,000	\$ 11,445,003
Management of Transmission & Distribution of Assets	113	2	\$ 260,000	\$ 260,000	\$ 260,000	\$ 260,000	\$ 260,000	\$ 1,300,000	\$ 6,600,000
Management of Transmission & Distribution Projects	115	2	\$ 713,000	\$ 130,000	\$ -	\$ -	\$ -	\$ 843,000	
Management of Water Treatment Assets	116	2	\$ -	\$ 234,189	\$ 89,729	\$ -	\$ -	\$ 323,918	\$ 972,749
Management of Metering System	118	2	\$ 49,986	\$ 42,421	\$ 47,665	\$ 51,689	\$ 58,782	\$ 250,543	\$ 1,963,287
<b>TOTAL WATER FUND</b>			<b>\$ 29,251,986</b>	<b>\$ 1,041,610</b>	<b>\$ 756,394</b>	<b>\$ 686,689</b>	<b>\$ 693,782</b>	<b>\$ 32,430,461</b>	<b>\$ 29,806,039</b>
<b>Contribution to General Fund IT Projects</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>Potential Other Funding, Excluding Bond Funds, Not Included in Available Revenues</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
<b>Anticipated Bond Funds Not Included in Available Revenues</b>			<b>\$ (27,002,160)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ (27,002,160)</b>	
<b>TOTAL NEEDED FROM WATER FUND</b>			<b>\$ 2,249,826</b>	<b>\$ 1,041,610</b>	<b>\$ 756,394</b>	<b>\$ 686,689</b>	<b>\$ 693,782</b>	<b>\$ 5,428,301</b>	<b>\$ 29,806,039</b>
<b>TOTAL AVAILABLE FROM WATER FUND</b>			<b>\$ 1,398,106</b>	<b>\$ 1,402,336</b>	<b>\$ 1,411,699</b>	<b>\$ 1,419,025</b>	<b>\$ 1,423,518</b>	<b>\$ 7,054,684</b>	

**CITY OF HARRISONBURG**

**Capital Improvement Program**

**Priority 1 & 2 Projects**

**Sewer Fund**

**FY 2018 through FY 2022**

<b>Department Project Title</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017-2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020-2021</b>	<b>FY 2021-2022</b>	<b>TOTAL</b>	<b>Beyond</b>
Public Utilities Buildings & Grounds	120	2	\$ 151,856	\$ 42,261	\$ 57,586	\$ 42,261	\$ 42,261	\$ 336,225	\$ 984,470
Management of Transfer & Monitoring Assets	121	2	\$ -	\$ -	\$ -	\$ 8,250	\$ -	\$ 8,250	\$ 1,090,237
Management of Collection & Transmission Assets	122	2	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 2,500,000	\$ 13,985,918
Blacks Run Interceptor Upgrade Program	123	2	\$ -	\$ -	\$ 900,000	\$ -	\$ 600,000	\$ 1,500,000	\$ 4,822,937
<b>TOTAL SEWER FUND</b>			<b>\$ 651,856</b>	<b>\$ 542,261</b>	<b>\$ 1,457,586</b>	<b>\$ 550,511</b>	<b>\$ 1,142,261</b>	<b>\$ 4,344,475</b>	<b>\$ 20,883,562</b>
<b>Contribution to General Fund IT Projects</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Potential Other Funding, Not Included in Available Revenues</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Anticipated Bond Funds Not Included in Available Revenues</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>TOTAL NEEDED FROM SEWER FUND</b>			<b>\$ 651,856</b>	<b>\$ 542,261</b>	<b>\$ 1,457,586</b>	<b>\$ 550,511</b>	<b>\$ 1,142,261</b>	<b>\$ 4,344,475</b>	<b>\$ 20,883,562</b>
<b>TOTAL AVAILABLE FROM SEWER FUND</b>			<b>\$ 672,896</b>	<b>\$ 735,098</b>	<b>\$ 787,134</b>	<b>\$ 828,840</b>	<b>\$ 870,672</b>	<b>\$ 3,894,640</b>	

**CITY OF HARRISONBURG**  
**Capital Improvement Program**  
**Priority 1 & 2 Projects**  
**School Transportation Fund**  
**FY 2018 through FY 2022**

<b>Department Project Title</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017-2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020-2021</b>	<b>FY 2021-2022</b>	<b>TOTAL</b>	<b>Beyond</b>
School Buses	124	2	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,000,000	
<b>TOTAL SCHOOL TRANSPORTATION FUND</b>			<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 800,000</b>	<b>\$ 4,000,000</b>	
<b>TOTAL AVAILABLE FROM SCHOOL TRANSPORTATION FUND</b>			<b>\$ 286,800</b>	<b>\$ 296,451</b>	<b>\$ 306,466</b>	<b>\$ 316,860</b>	<b>\$ 327,647</b>	<b>\$ 1,534,224</b>	

**CITY OF HARRISONBURG**  
**Capital Improvement Program**  
**Priority 1 & 2 Projects**  
**Public Transportation Fund**  
**FY 2018 through 2022**

<b>Department Project Title</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017-2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020-2021</b>	<b>FY 2021-2022</b>	<b>TOTAL</b>	<b>Beyond</b>
Transfer Center	125	2	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000	
Transit Buses	126	2	\$ 865,000	\$ 3,140,000	\$ 3,510,000	\$ 280,000	\$ 3,360,000	\$ 11,155,000	
<b>TOTAL PUBLIC TRANSPORTATION FUND</b>			<b>\$ 1,365,000</b>	<b>\$ 3,140,000</b>	<b>\$ 3,510,000</b>	<b>\$ 280,000</b>	<b>\$ 3,360,000</b>	<b>\$ 11,655,000</b>	
<b>Potential Other Funding Not Included in Available Revenues</b>			<b>\$ (1,228,500)</b>	<b>\$ (2,826,000)</b>	<b>\$ (3,159,000)</b>	<b>\$ (252,000)</b>	<b>\$ (3,024,000)</b>	<b>\$ (10,489,500)</b>	
<b>TOTAL NEEDED FROM PUBLIC TRANSPORTATION FUND</b>			<b>\$ 136,500</b>	<b>\$ 314,000</b>	<b>\$ 351,000</b>	<b>\$ 28,000</b>	<b>\$ 336,000</b>	<b>\$ 1,165,500</b>	
<b>TOTAL AVAILABLE FROM PUBLIC TRANSPORTATION FUND</b>			<b>\$ 186,127</b>	<b>\$ 153,933</b>	<b>\$ 120,201</b>	<b>\$ 84,875</b>	<b>\$ 47,899</b>	<b>\$ 593,035</b>	

**CITY OF HARRISONBURG**

**Capital Improvement Program**

**Priority 1 & 2 Projects**

**Sanitation Fund**

**FY 2018 through FY 2022**

<b>Sanitation Plant Fund Project Title</b>	<b>Page #</b>	<b>Project Priority</b>	<b>FY 2017- 2018</b>	<b>FY 2018-2019</b>	<b>FY 2019-2020</b>	<b>FY 2020- 2021</b>	<b>FY 2021- 2022</b>	<b>TOTAL</b>	<b>Beyond</b>
Solid Waste Transfer Station	127	1	\$ -	\$ 750,000	\$ -	\$ -	\$ -	\$ 750,000	\$ -
City Landfill Closure & Monitoring	129	1	\$ 150,000	\$ 105,000	\$ 100,000	\$ 115,000	\$ 120,000	\$ 590,000	\$ 1,533,600
Solid Waste Equipment Replacement	131	2	\$ 85,000	\$ 45,000	\$ 30,000	\$ 24,000	\$ 24,000	\$ 208,000	\$ 435,000
<b>TOTAL SANITATION FUND</b>			<b>\$ 235,000</b>	<b>\$ 900,000</b>	<b>\$ 130,000</b>	<b>\$ 139,000</b>	<b>\$ 144,000</b>	<b>\$ 1,548,000</b>	<b>\$ 1,968,600</b>
<b>TOTAL NEEDED FROM SANITATION FUND</b>			<b>\$ 235,000</b>	<b>\$ 900,000</b>	<b>\$ 130,000</b>	<b>\$ 139,000</b>	<b>\$ 144,000</b>	<b>\$ 1,548,000</b>	<b>\$ 1,968,600</b>
<b>TOTAL AVAILABLE FROM SANITATION FUND</b>			<b>\$ (704,912)</b>	<b>\$ (742,804)</b>	<b>\$ (310,396)</b>	<b>\$ (347,165)</b>	<b>\$ (385,943)</b>	<b>\$ (2,491,220)</b>	

**CITY OF HARRISONBURG**  
**Capital Improvement Program**  
**Priority 1 & 2 Projects**  
**Stormwater Fund**  
**FY 2018 through FY 2022**

Department Project Title	Page #	Project Priority	FY 2017-2018	FY 2018-2019	FY 2019-2020	FY 2020-2021	FY 2021-2022	TOTAL	Beyond
Drainage and Stormwater Program (MS4 VPDES Permit)	132	1	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 675,000	
Stormwater Improvement Plan	133	2	\$ 100,000	\$ 50,000	\$ -	\$ -	\$ -	\$ 150,000	\$ 250,000
Waterman Drive Storm Drain Improvements	134	2	\$ -	\$ 260,000	\$ 750,000	\$ 2,600,000	\$ -	\$ 3,610,000	
North End Greenway Stream Restoration	135	2	\$ 825,000	\$ -	\$ -	\$ -	\$ -	\$ 825,000	
<b>TOTAL STORMWATER FUND</b>			<b>\$ 1,060,000</b>	<b>\$ 445,000</b>	<b>\$ 885,000</b>	<b>\$ 2,735,000</b>	<b>\$ 135,000</b>	<b>\$ 5,260,000</b>	<b>\$ 250,000</b>
<b>Potential Other Funding, Excluding Bond Funds, Not Included in Available Revenues</b>			<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>TOTAL NEEDED FROM STORMWATER FUND</b>			<b>\$ 1,060,000</b>	<b>\$ 445,000</b>	<b>\$ 885,000</b>	<b>\$ 2,735,000</b>	<b>\$ 135,000</b>	<b>\$ 5,260,000</b>	<b>\$ 250,000</b>
<b>TOTAL AVAILABLE FROM STORMWATER FUND</b>			<b>\$ 716,254</b>	<b>\$ 698,434</b>	<b>\$ 680,078</b>	<b>\$ 661,171</b>	<b>\$ 641,697</b>	<b>\$ 3,397,634</b>	

**CITY OF HARRISONBURG**  
**5 Year Capital Improvement Request by Fund**  
**Priority 1 and 2 Projects by Fund**  
**FY 2018 through FY 2022**

<b>FUND</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>	<b>FY 2020-21</b>	<b>FY 2021-22</b>	<b>TOTAL</b>
General Fund	\$ 22,698,471	\$ 16,468,431	\$ 50,372,321	\$ 48,553,111	\$ 8,240,000	\$ 146,332,334
School Fund	\$ 50,000	\$ 52,900,000	\$ -	\$ 2,351,000	\$ 40,253,000	\$ 95,554,000
Water	\$ 29,251,986	\$ 1,041,610	\$ 756,394	\$ 686,689	\$ 693,782	\$ 32,430,461
Sewer	\$ 651,856	\$ 542,261	\$ 1,457,586	\$ 550,511	\$ 1,142,261	\$ 4,344,475
School Transportation	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,000,000
Public Transportation	\$ 1,365,000	\$ 3,140,000	\$ 3,510,000	\$ 280,000	\$ 3,360,000	\$ 11,655,000
Sanitation Fund	\$ 235,000	\$ 900,000	\$ 130,000	\$ 139,000	\$ 144,000	\$ 1,548,000
Stormwater Fund	\$ 1,060,000	\$ 445,000	\$ 885,000	\$ 2,735,000	\$ 135,000	\$ 5,260,000
<b>Subtotal</b>	<b>\$ 56,112,313</b>	<b>\$ 76,237,302</b>	<b>\$ 57,911,301</b>	<b>\$ 56,095,311</b>	<b>\$ 54,768,043</b>	<b>\$ 301,124,270</b>
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	\$ (44,026,421)	\$ (62,891,011)	\$ (37,521,651)	\$ (41,400,901)	\$ (45,774,000)	\$ (231,613,984)
<b>TOTAL NEEDED BY ALL FUNDS</b>	<b>\$ 12,085,892</b>	<b>\$ 13,346,291</b>	<b>\$ 20,389,650</b>	<b>\$ 14,694,410</b>	<b>\$ 8,994,043</b>	<b>\$ 69,510,286</b>
<b>TOTAL AVAILABLE FROM ALL FUNDS</b>	<b>\$ 6,496,351</b>	<b>\$ 6,130,177</b>	<b>\$ 6,123,888</b>	<b>\$ 6,501,866</b>	<b>\$ 6,547,848</b>	<b>\$ 31,800,130</b>



**CITY OF HARRISONBURG**  
**5 Year Capital Improvement Request by Department**  
**FY 2018 through FY 2022**

<b>DEPARTMENT</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>	<b>FY 2020-21</b>	<b>FY 2021-22</b>	<b>TOTAL</b>
Information Technology	\$ 880,000	\$ 980,000	\$ 250,000	\$ -	\$ -	\$ 2,110,000
Police	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fire	\$ 898,210	\$ 2,352,852	\$ 567,630	\$ 1,459,620	\$ 189,210	\$ 5,467,522
Emergency Communications Center	\$ 650,000	\$ 4,500,000	\$ 4,435,000	\$ 7,900,000	\$ 2,000,000	\$ 19,485,000
General Properties	\$ 1,000,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 3,500,000
Public Works	\$ 20,276,761	\$ 17,665,011	\$ 41,898,901	\$ 56,988,901	\$ 14,540,000	\$ 151,369,574
Parks and Recreation	\$ 1,028,500	\$ 950,000	\$ 750,000	\$ 525,000	\$ 550,000	\$ 3,803,500
Parking Services	\$ 40,000	\$ 900,000	\$ 7,500,000	\$ -	\$ -	\$ 8,440,000
Schools	\$ 50,000	\$ 52,900,000	\$ -	\$ 2,351,000	\$ 40,253,000	\$ 95,554,000
Water	\$ 29,251,986	\$ 1,041,610	\$ 756,394	\$ 686,689	\$ 693,782	\$ 32,430,461
Sewer	\$ 651,856	\$ 542,261	\$ 1,457,586	\$ 550,511	\$ 1,142,261	\$ 4,344,475
Transportation (combined School and Transit)	\$ 2,165,000	\$ 3,940,000	\$ 4,310,000	\$ 1,080,000	\$ 4,160,000	\$ 15,655,000
Sanitation	\$ 785,000	\$ 1,575,000	\$ 305,000	\$ 614,000	\$ 224,000	\$ 3,503,000
Stormwater	\$ 1,060,000	\$ 445,000	\$ 885,000	\$ 2,735,000	\$ 135,000	\$ 5,260,000
<b>Subtotal</b>	<b>\$ 58,737,313</b>	<b>\$ 90,291,734</b>	<b>\$ 63,115,511</b>	<b>\$ 74,890,721</b>	<b>\$ 63,887,253</b>	<b>\$ 350,922,532</b>
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	\$ (47,656,421)	\$ (72,231,011)	\$ (47,876,651)	\$ (55,525,901)	\$ (53,874,000)	\$ (277,163,984)
<b>TOTAL NEEDED BY ALL DEPTS.</b>	<b>\$ 11,080,892</b>	<b>\$ 18,060,723</b>	<b>\$ 15,238,860</b>	<b>\$ 19,364,820</b>	<b>\$ 10,013,253</b>	<b>\$ 73,758,548</b>
<b>TOTAL AVAILABLE FROM ALL FUNDS</b>	<b>\$ 6,496,351</b>	<b>\$ 6,130,177</b>	<b>\$ 6,123,888</b>	<b>\$ 6,501,866</b>	<b>\$ 6,547,848</b>	<b>\$ 31,800,130</b>

**CITY OF HARRISONBURG**  
**5 Year Capital Improvement Request by Fund**  
**FY 2018 through FY 2022**

<b>FUND</b>	<b>FY 2017-18</b>	<b>FY 2018-19</b>	<b>FY 2019-20</b>	<b>FY 2020-21</b>	<b>FY 2021-22</b>	<b>TOTAL</b>
General Fund	\$ 24,773,471	\$ 29,847,863	\$ 55,401,531	\$ 66,873,521	\$ 17,279,210	\$ 194,175,596
Schools	\$ 50,000	\$ 52,900,000	\$ -	\$ 2,351,000	\$ 40,253,000	\$ 95,554,000
Water	\$ 29,251,986	\$ 1,041,610	\$ 756,394	\$ 686,689	\$ 693,782	\$ 32,430,461
Sewer	\$ 651,856	\$ 542,261	\$ 1,457,586	\$ 550,511	\$ 1,142,261	\$ 4,344,475
School Transportation	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,000,000
Public Transportation	\$ 1,365,000	\$ 3,140,000	\$ 3,510,000	\$ 280,000	\$ 3,360,000	\$ 11,655,000
Sanitation	\$ 785,000	\$ 1,575,000	\$ 305,000	\$ 614,000	\$ 224,000	\$ 3,503,000
Stormwater	\$ 1,060,000	\$ 445,000	\$ 885,000	\$ 2,735,000	\$ 135,000	\$ 5,260,000
<b>Subtotal</b>	<b>\$ 58,737,313</b>	<b>\$ 90,291,734</b>	<b>\$ 63,115,511</b>	<b>\$ 74,890,721</b>	<b>\$ 63,887,253</b>	<b>\$ 350,922,532</b>
Total Available from Other Sources (Includes anticipated bond funds not included in available funds)	\$ (47,656,421)	\$ (72,231,011)	\$ (47,876,651)	\$ (55,525,901)	\$ (53,874,000)	\$ (277,163,984)
<b>TOTAL NEEDED BY ALL FUNDS</b>	<b>\$ 11,080,892</b>	<b>\$ 18,060,723</b>	<b>\$ 15,238,860</b>	<b>\$ 19,364,820</b>	<b>\$ 10,013,253</b>	<b>\$ 73,758,548</b>
<b>TOTAL AVAILABLE FROM ALL FUNDS</b>	<b>\$ 6,496,351</b>	<b>\$ 6,130,177</b>	<b>\$ 6,123,888</b>	<b>\$ 6,501,866</b>	<b>\$ 6,547,848</b>	<b>\$ 31,800,130</b>



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** New Water Billing Software

**Project Code:** IT-NSP01

**Project Priority:** Priority 2

**Department:** 122011

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** FY2018

**Completion Date (FYE):** FY2019

**Description:**

Replace the current Utility Billing System.

**Justifications:**

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

**Explanation:**

The current Utility Billing software is 15 years old, lacking in many newly required functionality, heavily customized, and requires a high level of support from the IT department. A new system will provide features such as GIS integration, e-mail notification, online account maintenance, landlord/management functionality that the current system either lacks or has been internally modified to support.

**Alternative:**

None, the software will soon become vendor unsupported. IT resources will need to be expanded to support and possibly update the software at a higher long term cost than replacement.

**Goals/Objectives/  
Strategies:**

- O 11.1
- O 11.2
- S 11.5.9
- O 11.7
- O 12.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment								\$0
Other Expenses		\$800,000						\$800,000
<b>Total</b>	\$0	\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$266,000						\$266,000
Enterprise Revenue		\$534,000						\$534,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$800,000	\$0	\$0	\$0	\$0	\$0	\$800,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating			\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$600,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$120,000	\$120,000	\$120,000	\$120,000	\$120,000	\$600,000



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Storage System Replacement

**Project Code:** IT-NSP02

**Project Priority:** Priority 2

**Department:** 122011

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** FY2018

**Completion Date (FYE):** FY2019

**Description:**

Replace the City's Data Center Storage components with the latest technology. Data Storage supports all aspects of the Comprehensive Plan by providing a secure repository for documents and applications utilized by the City departments.

**Justifications:**

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

**Explanation:**

The City's main storage system was purchased in August 2011, The current Business Continuity storage was purchased in August of 2012. Product support ends 12/31/2020. We are spacing the purchases out over two fiscal years to lessen the financial commitment and resources necessary for transferring systems.

**Alternative:**

Continue to use the system until it degrades, then replace. This could result in permanent data loss and is not recommended.  
Cloud storage would require an upgraded internet connection. Estimates are that it would cost an additional \$5,000 per month for internet access,\$600 per month for storage capacity, an additional \$600 per month for access to the data, and about \$1500 per month for processing requirements for servers residing in the cloud. Annual costs would exceed the cost of the equipment and maintenance.

**Goals/Objectives/  
Strategies:**

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment		\$80,000	\$80,000					\$160,000
Other Expenses								\$0
<b>Total</b>	\$0	\$80,000	\$80,000	\$0	\$0	\$0	\$0	\$160,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$80,000	\$80,000					\$160,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$80,000	\$80,000	\$0	\$0	\$0	\$0	\$160,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating			\$10,000	\$20,000	\$20,000	\$20,000	\$70,000	\$140,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$10,000	\$20,000	\$20,000	\$20,000	\$70,000	\$140,000



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Training Management Software

**Project Code:** IT-SP006

**Project Priority:** Priority 2

**Department:** 122011

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** FY2019

**Completion Date (FYE):** FY2019

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Goals/Objectives/  
Strategies:**

S 3.2.3  
O 5.4  
S 11.3.1  
S 11.6.2  
S 17.3.5

**Alternative:**

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

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment			\$100,000					\$100,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$100,000					\$100,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0	\$100,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating				\$20,000	\$20,000	\$20,000	\$20,000	\$80,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Document Management System

**Project Code:** IT-SP008

**Project Priority:** Priority 2

**Department:** 122011

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** FY2019

**Completion Date (FYE):** FY2019

**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.

**Justifications:**

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

**Explanation:**

The City has acknowledged the need for a document management system. Several departments and 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.

**Goals/Objectives/  
Strategies:**

O 8.5  
S 11.5.3  
S 11.5.5

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment			\$500,000					\$500,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$500,000					\$500,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating				\$75,000	\$75,000	\$75,000	\$75,000	\$300,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$75,000	\$75,000	\$75,000	\$75,000	\$300,000



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Electronic Time Entry System

**Project Code:** IT-SP010

**Project Priority:** Priority 2

**Department:** 122011

**Project Type:** ADDITION & REPLACEMENT

**Status:** Active

**Start Date (FYE):** FY2019

**Completion Date (FYE):** FY2019

**Description:**

Create an enterprise-wide timecard system that will be utilized by those departments requiring time card management. The system will also include an interface into the current Human Resources system to reduce manual keying of time card data.

**Justifications:**

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

**Explanation:**

Currently there are at least 4 different time card systems in use with the City. Each of these systems works independent of each other and the Human Resources package the City utilizes to perform payroll functions. The System will allow all departments the ability to use the time card system, extract necessary reports, and automate the keying of timecard data from this system into the Human Resources System

**Alternative:**

Maintain multiple units and have staff continue to key from paper reports derived from their individual system.

**Goals/Objectives/  
Strategies:**

G 11  
O 18.5

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment			\$300,000					\$300,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$250,000					\$250,000
Enterprise Revenue			\$50,000					\$50,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating				\$45,000	\$45,000	\$45,000	\$45,000	\$180,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$45,000	\$45,000	\$45,000	\$45,000	\$180,000



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Citizen Inquiry Application

**Project Code:** IT-SP012

**Project Priority:** Priority 2

**Department:** 122011

**Project Type:** ADDITION & RENOVATION

**Status:** Active

**Start Date (FYE):** FY2019

**Completion Date (FYE):** FY2019

**Description:**

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

**Justifications:**

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

**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.

**Goals/Objectives/  
Strategies:**

- O 3.1
- S 6.2.2
- S 7.4.4
- S 8.3.3
- S 8.4.3
- S 9.5.3
- O 10.5
- S 11.3.2
- O 11.6
- S 15.3.1
- G 17

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment				\$250,000				\$250,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$250,000				\$250,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating					\$37,500	\$37,500	\$37,500	\$112,500
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$37,500	\$37,500	\$37,500	\$112,500





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Firearms range and classroom relocation

**Project Code:** PD1

**Project Priority:** Priority 2

**Project Type:** REPLACEMENT

**Start Date (FYE):** 2018

**Department:** 310231

**Status:** Active

**Completion Date (FYE):** 2018

**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.

**Justifications:**

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

**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.

**Goals/Objectives/  
Strategies:**

O 13.3

**Alternative:**

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

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning							\$30,000	\$30,000
Land								\$0
Construction							\$280,336	\$280,336
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$310,336</b>	<b>\$310,336</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$310,336	\$310,336
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$310,336</b>	<b>\$310,336</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Fire Engine 26 Replacement

**Project Code:** FER

**Project Priority:** Priority 2

**Department:** 320132

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2017

**Completion Date (FYE):** 2019

**Description:**

Replacement of a fire engine, to be purchased on a 3 year contract agreement.

**Justifications:**

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

**Explanation:**

Engine 26 was 15 years old in 2015. This is the point we consider replacement based on condition and maintenance costs. The Fire Department coordinates with Central Garage to determine the appropriate replacement time. There would be some economy of scale by combining this purchase with the replacement of Engine 25.

**Alternative:**

Use existing Reserve Engine, if mechancially sound, until such time as it needs to be replaced.

**Goals/Objectives/  
Strategies:**

O 13.3

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment		\$189,210	\$189,210	\$189,210				\$567,630
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$189,210</b>	<b>\$189,210</b>	<b>\$189,210</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$567,630</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$189,210	\$189,210	\$189,210				\$567,630
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$189,210</b>	<b>\$189,210</b>	<b>\$189,210</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$567,630</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating		\$3,758	\$3,945	\$4,143	\$4,350	\$4,567		\$20,763
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$3,758</b>	<b>\$3,945</b>	<b>\$4,143</b>	<b>\$4,350</b>	<b>\$4,567</b>	<b>\$0</b>	<b>\$20,763</b>



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Fire Engine 25 Replacement

**Project Code:** FER25

**Project Priority:** Priority 2

**Department:** 320132

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2021

**Description:**

Replacement of a fire engine, to be purchased on a 3 year contract agreement.

**Justifications:**

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

**Explanation:**

Engine 25 will be 15 years old in 2018. This is the point we consider replacement based on condition and maintenance costs. The Fire Department coordinates with Central Garage to determine appropriate replacement time. There would be some economy of scale by combining this purchase with the replacement of Engine 26.

**Goals/Objectives/  
Strategies:**

O 13.3

**Alternative:**

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

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment			\$189,210	\$189,210	\$189,210			\$567,630
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$189,210</b>	<b>\$189,210</b>	<b>\$189,210</b>	<b>\$0</b>	<b>\$0</b>	<b>\$567,630</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$189,210	\$189,210	\$189,210			\$567,630
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$189,210</b>	<b>\$189,210</b>	<b>\$189,210</b>	<b>\$0</b>	<b>\$0</b>	<b>\$567,630</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating			\$3,945	\$4,143	\$4,350	\$4,567		\$17,005
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,945</b>	<b>\$4,143</b>	<b>\$4,350</b>	<b>\$4,567</b>	<b>\$0</b>	<b>\$17,005</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Self Contained Breathing Apparatus Replacement

**Project Code:** SCBAR

**Project Priority:** Priority 1

**Department:** 320132

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2019

**Description:**

Replace the self contained breathing apparatus for the department. We currently have 55 air packs and 117 spare bottles.

**Justifications:**

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

**Explanation:**

The current self contained breathing apparatus bottles expire in 2019. The Department of Transportation (DOT) has imposed a 15 year shelf life for these bottles and they cannot be used after this date. We will seek a grant to assist with this project, however, if we are unsuccessful with grant acquisition, the burden will fall to the general fund.

**Alternative:**

No alternative that does not violate DOT standards.

**Goals/Objectives/  
Strategies:**

O 13.3

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment		\$509,000						\$509,000
Other Expenses								\$0
<b>Total</b>	\$0	\$509,000	\$0	\$0	\$0	\$0	\$0	\$509,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$509,000						\$509,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$509,000	\$0	\$0	\$0	\$0	\$0	\$509,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** FIRE STATION 5 (PARK VIEW)

**Project Code:** FS5

**Project Priority:** Priority 3

**Department:** 320132

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2019

**Description:**

New fire station for the Park View area, which will improve response times to this area. When this station is built 12 additional personnel will have to be hired, and another fire engine will have to be purchased. Station is projected to be approximately 5,000 sq. ft. @ \$184 per sq. ft. Architects fees projected at 6%.

**Justifications:**

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

**Explanation:**

Response times to this area are the longest of any in the city. The addition of this station will reduce response times, and provide better services to the residents of this area. Approximately 1/2 acre of land will be needed for this project.

**Alternative:**

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

**Goals/Objectives/  
Strategies:**

S 13.3.2

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$55,157					\$55,157
Land								\$0
Construction			\$919,275					\$919,275
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$974,432	\$0	\$0	\$0	\$0	\$974,432

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$974,432					\$974,432
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$974,432	\$0	\$0	\$0	\$0	\$974,432

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel			\$714,533	\$728,824	\$743,400	\$758,268	\$773,433	\$3,718,458
Operating			\$14,478	\$15,202	\$15,962	\$16,761	\$17,598	\$80,001
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$729,011	\$744,026	\$759,362	\$775,029	\$791,031	\$3,798,459



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** FIRE ENGINE - STATION 5

**Project Code:** FE5

**Project Priority:** Priority 3

**Department:** 320132

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** 2022

**Description:**

Additional fire engine for Park View Station. To be purchased on a 3 year contract agreement.

**Justifications:**

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

**Explanation:**

Provides better response times to that area of the City.

**Goals/Objectives/  
Strategies:**

S 13.3.2

**Alternative:**

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

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment				\$189,210	\$189,210	\$189,210		\$567,630
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$189,210	\$189,210	\$189,210	\$0	\$567,630

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$189,210	\$189,210	\$189,210		\$567,630
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$189,210	\$189,210	\$189,210	\$0	\$567,630

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating				\$3,758	\$3,945	\$4,143	\$4,350	\$16,196
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$3,758	\$3,945	\$4,143	\$4,350	\$16,196



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Structural Burn Building

**Project Code:** SBB

**Project Priority:** Priority 3

**Department:** 320132

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2021

**Completion Date (FYE):** 2022

**Description:**

Replace Structural Burn Building. This building is utilized for live fire evolutions in entry level and advanced fire suppression training.

**Justifications:**

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

**Explanation:**

The current burn building is approximately 25 years old and is beginning to deteriorate. Approximately 10 years ago \$100,000 was spent to repair this building. We spent approximately \$80,000 in 2013 for repairs to the building. There is a possibility of financial assistance through the Virginia Department of Fire Programs for this construction project.

**Alternative:**

Use existing building until it's no longer safe to operate. This will then require travel to other areas for required fire suppression training.

**Goals/Objectives/  
Strategies:**

O 13.3

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning					\$61,200			\$61,200
Land								\$0
Construction					\$1,020,000			\$1,020,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,081,200	\$0	\$0	\$1,081,200

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue					\$1,081,200			\$1,081,200
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,081,200	\$0	\$0	\$1,081,200

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Fire Station 4 Renovation

**Project Code:** FS4

**Project Priority:** Priority 3

**Department:** 320132

**Project Type:** RENOVATION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2020

**Description:**

Renovate the interior of Fire Station 4 on East Rock Street to accommodate the personnel assigned to the Station.

**Justifications:**

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

**Explanation:**

Fire Station 4 was built in the 1970's and the interior was designed for two personnel assigned at that time. There are currently 6 - 9 personnel, not including volunteers, occupying the station. Living and sleeping areas are inadequate. The timing of this would be to capitalize on the logistical arrangements available with the completion of the renovations of Fire Station 1.

**Goals/Objectives/  
Strategies:**

O 13.3

**Alternative:**

Construction of a new fire station which would be much more costly.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$200,000						\$200,000
Land								\$0
Construction			\$1,000,000					\$1,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$200,000	\$1,000,000	\$0	\$0	\$0	\$0	\$1,200,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$200,000	\$1,000,000					\$1,200,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$200,000	\$1,000,000	\$0	\$0	\$0	\$0	\$1,200,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Regional CAD/Records System

**Project Code:** HRECC1

**Project Priority:** Priority 1

**Department:** 321132

**Project Type:** REPLACEMENT

**Status:** Inactive

**Start Date (FYE):** 2017

**Completion Date (FYE):** 2019

**Description:**

Replace the regional computer aided dispatch (CAD) and public safety records management systems.

**Justifications:**

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

**Explanation:**

DAPRO, the ECC's CAD vendor has been sold to another company and will not be supported after 2017. A different product suite must be procured prior to end of support.

**Alternative:**

Note that the entire project cost for the City/County is presented. City of Harrisonburg share will be \$1,500,000 (50% of capital project fund.)

**Goals/Objectives/  
Strategies:**

G 13

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment		\$3,000,000						\$3,000,000
Other Expenses								\$0
<b>Total</b>	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$3,000,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$1,500,000						\$1,500,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue		\$1,500,000						\$1,500,000
<b>Total</b>	\$0	\$3,000,000	\$0	\$0	\$0	\$0	\$0	\$3,000,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Microwave Radio System Upgrade

**Project Code:** HRECC2

**Project Priority:** Priority 1

**Department:** 321132

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2019

**Description:**

Replace the outdated microwave radio system. It connects all the 11 radios sites and the HRECC. It was procured in 2006 and now out of date. Replacement parts no longer made.

**Justifications:**

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

**Explanation:**

The project will replace the microwave radios and multi-plexing equipment at all sites and the ECC.

**Alternative:**

There are no alternatives. Note that the entire project cost for the City/County is presented. City of Harrisonburg share will be \$500,000.

**Goals/Objectives/  
Strategies:**

G 13

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment		\$50,000						\$50,000
Other Expenses								\$0
<b>Total</b>	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$25,000						\$25,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue		\$25,000						\$25,000
<b>Total</b>	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** 9-1-1 System Upgrade

**Project Code:** HRECC3

**Project Priority:** Priority 1

**Department:** 321132

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2019

**Description:**

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

**Explanation:**

Replace redundant core services and 10 workstation computers.

**Alternative:**

\$150,000 expected from COV 9-1-1 grant funding.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

G 13

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment			\$500,000					\$500,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$175,000					\$175,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants			\$150,000					\$150,000
Capital Project Fund								\$0
Other Revenue			\$175,000					\$175,000
<b>Total</b>	\$0	\$0	\$500,000	\$0	\$0	\$0	\$0	\$500,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Redundant Core Computer Network

**Project Code:** HRECC4

**Project Priority:** Priority 2

**Department:** 321132

**Project Type:** SYSTEM UPGRADE

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2018

**Description:**

Past power and single-point failures have identified deficiencies in critical ECC systems redundancy and survivability.

**Justifications:**

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

**Explanation:**

This project creates a redundant network core server site for ECC's mission critical systems (9-1-1 system, IT/networking core) at an alternate, highly available location (Tower Street radio site).

**Alternative:**

Maintain status quo with risk of physically separate, redundant core 9-1-1 and IT services.

**Goals/Objectives/  
Strategies:**

G 13

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment		\$300,000						\$300,000
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$150,000						\$150,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue		\$150,000						\$150,000
<b>Total</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Replace Portable/Mobile Radios

**Project Code:** HRECC5

**Project Priority:** Priority 1

**Department:** 321132

**Project Type:** SYSTEM UPGRADE

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2019

**Description:**

Replace 2,600 outdated portable and mobile radio for all agencies. Equipment was purchased as part of original 2006 project and has lasted beyond the anticipated life span. Equipment no longer made/supported.

**Justifications:**

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

**Explanation:**

The project will replace portable and mobile radio equipment over 2, one-year phases. First year is public safety, second year is non-public safety.

**Alternative:**

There are no alternatives.

\*Revenue from non-City/County agencies.

**Goals/Objectives/  
Strategies:**

G 13

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment			\$4,000,000	\$4,000,000				\$8,000,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$4,000,000	\$4,000,000	\$0	\$0	\$0	\$8,000,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$1,800,000	\$1,800,000				\$3,600,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue			\$2,200,000	\$2,200,000				\$4,400,000
<b>Total</b>	\$0	\$0	\$4,000,000	\$4,000,000	\$0	\$0	\$0	\$8,000,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Update ECC Servers/Computers

**Project Code:** HRECC6

**Project Priority:** Priority 2

**Department:** 321132

**Project Type:** SYSTEM UPGRADE

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** 2020

**Description:**

Planned upgrade of ECC mission-critical servers and workstation computers used for CAD, database, and GIS.

**Explanation:**

Replaces network switches, routers, updates EMC virtual server software, Citrix virtual workstation software.

**Alternative:**

\$150,000 anticipated from Virginia 9-1-1 Board Grant.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

G 13

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment				\$250,000				\$250,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$50,000				\$50,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue				\$200,000				\$200,000
<b>Total</b>	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$250,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Replace ECC Vehicle

**Project Code:** HRECC7

**Project Priority:** Priority 2

**Department:** 321132

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** 2020

**Description:**

Replace 2014 Tahoe

**Explanation:**

Replace ECC Director vehicle and radio technology equipment estimated to be past service life.

**Alternative:**

50 percent estimated to be sourced by COV Radio cache grant.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

G 13

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment				\$85,000				\$85,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$85,000	\$0	\$0	\$0	\$85,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$21,250				\$21,250
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue				\$63,750				\$63,750
<b>Total</b>	\$0	\$0	\$0	\$85,000	\$0	\$0	\$0	\$85,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Build New ECC

**Project Code:** HRECC8

**Project Priority:** Priority 2

**Department:** 321132

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** 2021

**Description:**

Plan (2020) and Construct (2021) new ECC building.

**Justifications:**

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

**Explanation:**

The current ECC space in the Public Safety building 5th floor has a 10-15 year service life from 2005. Significantly more ECC space needs have already been encountered with no more space available.

**Alternative:**

Because of the human interface needed from an Operations standpoint, no alternatives are available.

**Goals/Objectives/  
Strategies:**

G 13

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment				\$100,000	\$7,900,000			\$8,000,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$100,000	\$7,900,000	\$0	\$0	\$8,000,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$50,000	\$3,950,000			\$4,000,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue				\$50,000	\$3,950,000			\$4,000,000
<b>Total</b>	\$0	\$0	\$0	\$100,000	\$7,900,000	\$0	\$0	\$8,000,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Planned Radio System Upgrade

**Project Code:** HRECC9

**Project Priority:** Priority 2

**Department:** 321132

**Project Type:** SYSTEM UPGRADE

**Status:** Active

**Start Date (FYE):** 2021

**Completion Date (FYE):** 2021

**Description:**

Anticipated upgrade of radio system equipment to adapt to end of life technology, availability and new features available.

**Justifications:**

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

**Explanation:**

Replace the network switching center and conventional interoperability gateway systems.

**Alternative:**

City/County project with 50/50 cost share.

**Goals/Objectives/  
Strategies:**

G 13

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment						\$2,000,000		\$2,000,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue						\$1,000,000		\$1,000,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue						\$1,000,000		\$1,000,000
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Renovation of Old Municipal Building

**Project Code:** MGR3

**Project Priority:** Priority 2

**Department:** 430221

**Project Type:** RENOVATION

**Status:** Active

**Start Date (FYE):** 2016

**Completion Date (FYE):** 2019

**Description:**

Renovation of building currently at 345 S. Main St.

**Explanation:**

This will provide renovations to the building for code compliance, energy efficiency and additional work space for future administration and community use. Operating impacts are estimates based on \$4.50/sq. ft.

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

O 7.4

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction			\$2,500,000					\$2,500,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	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
<b>Total</b>	\$0	\$0	\$2,500,000	\$0	\$0	\$0	\$0	\$2,500,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating			\$91,800	\$93,600	\$95,400	\$97,200	\$99,000	\$477,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$91,800	\$93,600	\$95,400	\$97,200	\$99,000	\$477,000



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Harrison House Renovations

**Project Code:** MGR4

**Project Priority:** Priority 3

**Department:** 430221

**Project Type:** RENOVATION

**Status:** Active

**Start Date (FYE):** 2015

**Completion Date (FYE):** 2018

**Description:**

Acquire and renovate the Thomas Harrison House, the oldest home in the City, built by the City's founder circa 1750.

**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/Objectives/  
Strategies:**

- G 7
- O 7.4

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$100,000						\$100,000
Land	\$565,000							\$565,000
Construction		\$900,000						\$900,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$565,000</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,565,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$565,000	\$270,000						\$835,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund		\$230,000						\$230,000
Other Revenue		\$500,000						\$500,000
<b>Total</b>	<b>\$565,000</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,565,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating		\$10,000	\$11,000	\$12,000	\$12,000	\$12,000	\$12,000	\$69,000
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$10,000</b>	<b>\$11,000</b>	<b>\$12,000</b>	<b>\$12,000</b>	<b>\$12,000</b>	<b>\$12,000</b>	<b>\$69,000</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Country Club Road (2) bridges (43372)

**Project Code:** PWSTBG03

**Project Priority:** Priority 2

**Project Type:** REPLACEMENT

**Start Date (FYE):** 2019

**Department:** 410241

**Status:** Active

**Completion Date (FYE):** 2021

**Description:**

Replace (2) two bridges over Sieberts Creek. The first structure is #6585 and is located at the Superior Concrete entrance off of Country Club Road, and is planned FY19. The second is structure #6586 and is located new Spotswood Trailer Park on Country Club Road, and is planned for FY21.

**Justifications:**

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

**Explanation:**

1. Recommended by annual bridge inspection program.  
 2. Improve drainage concerns in immediate area.

**Alternative:**

Post weight limits.

**Goals/Objectives/  
Strategies:**

G 10  
 O 10.1  
 S 10.1.7  
 S 10.1.9

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$100,000		\$200,000			\$300,000
Land			\$150,000		\$150,000			\$300,000
Construction			\$300,000		\$1,000,000			\$1,300,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$550,000</b>	<b>\$0</b>	<b>\$1,350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,900,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$275,000		\$675,000			\$950,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants			\$275,000		\$675,000			\$950,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$550,000</b>	<b>\$0</b>	<b>\$1,350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,900,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** WATER STREET BRIDGE (43372)

**Project Code:** PWSTBG09

**Project Priority:** Priority 3

**Project Type:** REPLACEMENT

**Start Date (FYE):** 2017

**Department:** 410241

**Status:** Active

**Completion Date (FYE):** 2018

**Description:**

Rebuild Water Street Bridge over Chesapeake & Western Railroad. Bridge owned by Chesapeake & Western Railroad.

**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.  
Bridge needed to provide Emergency route east/west downtown with train blocks at grade crossings.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.7

**Alternative:**

Restrict weight limit on structure restricting all trucks.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction		\$1,300,000						\$1,300,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$1,300,000	\$0	\$0	\$0	\$0	\$0	\$1,300,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue		\$1,300,000						\$1,300,000
<b>Total</b>	\$0	\$1,300,000	\$0	\$0	\$0	\$0	\$0	\$1,300,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Bridge Preventive Maintenance Program (43372)

**Project Code:** PWSTBM

**Project Priority:** Priority 2

**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/Objectives/  
Strategies:**

G 10

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000		\$360,000
Land								\$0
Construction	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000		\$480,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$0</b>	<b>\$840,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$140,000	\$140,000	\$140,000	\$140,000	\$140,000	\$140,000		\$840,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$140,000</b>	<b>\$0</b>	<b>\$840,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Annual Street Paving Program (43374, 43376)

**Project Code:** PWSTPA1

**Project Priority:** Priority 2

**Project Type:** REPLACEMENT

**Start Date (FYE):** 2016

**Department:** 410241

**Status:** Active

**Completion Date (FYE):** ongoing

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Alternative:**

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

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.8

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction	\$2,050,000	\$2,000,000	\$2,100,000	\$2,200,000	\$2,300,000	\$2,300,000		\$12,950,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$2,050,000</b>	<b>\$2,000,000</b>	<b>\$2,100,000</b>	<b>\$2,200,000</b>	<b>\$2,300,000</b>	<b>\$2,300,000</b>	<b>\$0</b>	<b>\$12,950,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$2,050,000	\$2,000,000	\$2,100,000	\$2,200,000	\$2,300,000	\$2,300,000		\$12,950,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$2,050,000</b>	<b>\$2,000,000</b>	<b>\$2,100,000</b>	<b>\$2,200,000</b>	<b>\$2,300,000</b>	<b>\$2,300,000</b>	<b>\$0</b>	<b>\$12,950,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Equipment Replacement

**Project Code:** PWTE1

**Project Priority:** Priority 2

**Department:** 410741

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2019

**Description:**

Replace 1991 Center line paint truck #726

**Explanation:**

#726 Paint truck needed to paint centerline markings on streets, for safety of motorists.

**Alternative:**

Limit Services on outsource line painting. Contract services are difficult to schedule in coordination with time and conditions when painting is needed. Limited number of contracts. Cost for contractors is inflated to meet time painting as needed.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

G 10

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment			\$375,000					\$375,000
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$375,000					\$375,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$375,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** KEEZLETOWN RD & COUNTRY CLUB RD NEW TRAFFIC SIGNAL

**Project Code:** PWTELN01

**Project Priority:** Priority 3

**Project Type:** NEW

**Start Date (FYE):** 2019

**Department:** 410741

**Status:** Active

**Completion Date (FYE):** 2019

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- O 10.5
- S 10.5.1
- O 10.7
- S 10.7.1

**Alternative:**

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

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land			\$25,000					\$25,000
Construction			\$325,000					\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$350,000	\$0	\$0	\$0	\$0	\$350,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$175,000					\$175,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue			\$175,000					\$175,000
<b>Total</b>	\$0	\$0	\$350,000	\$0	\$0	\$0	\$0	\$350,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** LIBERTY ST AND ACORN DR NEW TRAFFIC SIGNAL

**Project Code:** PWTELN02

**Project Priority:** Priority 3

**Project Type:** NEW

**Start Date (FYE):** 2020

**Department:** 410741

**Status:** Active

**Completion Date (FYE):** 2020

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Alternative:**

Four Way stop.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- O 10.5
- S 10.5.1
- O 10.7
- S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land				\$25,000				\$25,000
Construction				\$325,000				\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0	\$350,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$315,000				\$315,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue				\$35,000				\$35,000
<b>Total</b>	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0	\$350,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Virginia Ave. and Acorn Dr. new traffic signal

**Project Code:** PWTELN03

**Project Priority:** Priority 3

**Project Type:** NEW

**Start Date (FYE):** 2020

**Department:** 410741

**Status:** Active

**Completion Date (FYE):** 2020

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Alternative:**

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

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- O 10.5
- S 10.5.1
- O 10.7
- S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land				\$25,000				\$25,000
Construction				\$325,000				\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0	\$350,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$315,000				\$315,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue				\$35,000				\$35,000
<b>Total</b>	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0	\$350,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Stone Spring Rd. & Ramblewood Rd.

**Project Code:** PWTELN04

**Project Priority:** Priority 3

**Department:** 410741

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2019

**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/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- O 10.5
- S 10.5.1
- O 10.7
- S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land			\$25,000					\$25,000
Construction			\$325,000					\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$350,000	\$0	\$0	\$0	\$0	\$350,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$175,000					\$175,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue			\$175,000					\$175,000
<b>Total</b>	\$0	\$0	\$350,000	\$0	\$0	\$0	\$0	\$350,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** University Blvd. & Deyerle Ave.

**Project Code:** PWTELN05

**Project Priority:** Priority 3

**Department:** 410741

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** 2020

**Description:**

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

**Justifications:**

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

**Explanation:**

Install a Traffic Signal when traffic warrants are met due to development in the area. Developer contributions have been reserved for this signal, if traffic warrants, once development is complete.

**Alternative:**

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- O 10.5
- S 10.5.1
- O 10.7
- S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land				\$25,000				\$25,000
Construction				\$325,000				\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0	\$350,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$315,000				\$315,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue				\$35,000				\$35,000
<b>Total</b>	\$0	\$0	\$0	\$350,000	\$0	\$0	\$0	\$350,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Mt. Clinton Pike & Tech Dr.

**Project Code:** PWTELN06

**Project Priority:** Priority 3

**Department:** 410741

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2021

**Completion Date (FYE):** 2021

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Alternative:**

None.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- O 10.5
- S 10.5.1
- O 10.7
- S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land					\$25,000			\$25,000
Construction					\$325,000			\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$350,000	\$0	\$0	\$350,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue					\$350,000			\$350,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$350,000	\$0	\$0	\$350,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Mt Clinton Pike & Acorn Dr.

**Project Code:** PWTELN07

**Project Priority:** Priority 3

**Department:** 410741

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2021

**Completion Date (FYE):** 2021

**Description:**

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

**Explanation:**

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

**Alternative:**

None.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- O 10.5
- S 10.5.1
- O 10.7
- S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land					\$25,000			\$25,000
Construction					\$325,000			\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$350,000	\$0	\$0	\$350,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue					\$175,000			\$175,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue					\$175,000			\$175,000
<b>Total</b>	\$0	\$0	\$0	\$0	\$350,000	\$0	\$0	\$350,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** E. MARKET AND RESERVOIR ST TRAFFIC SIGNAL UPGRADE

**Project Code:** PWTELU01

**Project Priority:** Priority 3

**Project Type:** REPLACEMENT

**Start Date (FYE):** 2018

**Department:** 410741

**Status:** Active

**Completion Date (FYE):** 2018

**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.

**Justifications:**

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

**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 minimum clearance requirement

**Goals/Objectives/  
Strategies:**

G 10  
 O 10.1  
 S 10.1.3  
 O 10.5  
 S 10.5.1  
 O 10.7  
 S 10.7.1

**Alternative:**

NONE

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land		\$25,000						\$25,000
Construction		\$325,000						\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$350,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$350,000						\$350,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$350,000	\$0	\$0	\$0	\$0	\$0	\$350,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0





**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** S. Main St. and Bluestone

**Project Code:** PWTELU05

**Project Priority:** Priority 3

**Department:** 410741

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2018

**Description:**

Upgrade traffic signal poles and equipment at the following locations.  
  
1. South Main St. and Bluestone Ave.

**Justifications:**

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

**Explanation:**

1. Replaces old painted traffic signal poles with new Decretive poles and arms that matches Grace St. and MLK decorative design.  
 2. Removes hazard of pole or arm failure due to rust and age.  
 3. Adds new APS Audible Pedestrian System crosswalk push buttons.

**Alternative:**

**Goals/Objectives/  
Strategies:**

G 10  
 O 10.1  
 S 10.1.3  
 O 10.5  
 S 10.5.1  
 O 10.7  
 S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction		\$325,000						\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$325,000	\$0	\$0	\$0	\$0	\$0	\$325,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$325,000						\$325,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$325,000	\$0	\$0	\$0	\$0	\$0	\$325,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Traffic Management Equipment Program

**Project Code:** PWTEM01

**Project Priority:** Priority 2

**Project Type:** SYSTEM UPGRADE

**Start Date (FYE):** 2016

**Department:** 410741

**Status:** Active

**Completion Date (FYE):** ongoing

**Description:**

Transportation Management & traffic signal maintenance equipment for:

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

**Justifications:**

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

**Explanation:**

Specific equipment includes:

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

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.5
- S 10.5.2

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	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment	\$50,500	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$300,500
Other Expenses								\$0
<b>Total</b>	<b>\$50,500</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$300,500</b>

**Funding Sources:**

	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$50,500	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000		\$300,500
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$50,500</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$300,500</b>

**Operating Impacts:**

	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**Capital Improvement Program  
FY2018 thru FY2022  
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):** 2018

**Department:** 410741

**Status:** Active

**Completion Date (FYE):** on going

**Description:**

Ultra Sound testing of traffic signal pole anchor bolts for all of 85 intersections consisting of 340 traffic signal poles.

**Justifications:**

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

**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.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.7

**Alternative:**

None

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment								\$0
Other Expenses		\$75,000				\$75,000		\$150,000
<b>Total</b>	\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$0	\$150,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	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
<b>Total</b>	\$0	\$75,000	\$0	\$0	\$0	\$75,000	\$0	\$150,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** SUPPORT ADDITIONS PURCHASING /CENTRAL STORES

**Project Code:** PWCS1

**Project Priority:** Priority 3

**Department:** 772141

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2019

**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:**

1. 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/Objectives/  
Strategies:**

- G 8
- O 8.3
- S 8.3.1
- G 11

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$50,000					\$50,000
Land								\$0
Construction			\$325,000					\$325,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$375,000	\$0	\$0	\$0	\$0	\$375,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$375,000					\$375,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$375,000	\$0	\$0	\$0	\$0	\$375,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Renovations of Public Works Maintenance Shops (48181)

**Project Code:** PWSTB02

**Project Priority:** Priority 2

**Project Type:** RENOVATION

**Start Date (FYE):** 2017

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2018

**Description:**

Upgrade Public Works maintenance buildings at Mosby Road & Park View facilities

**Justifications:**

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

**Explanation:**

Roof Replacments, Heating System upgrades, renovations and expansion of office space for staff work areas.

**Alternative:**

Construct a new Public Works facility.

**Goals/Objectives/  
Strategies:**

- G 8
- O 8.3
- S 8.3.1
- G 11

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction		\$50,000						\$50,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$50,000						\$50,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$50,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** New Public Works Facility

**Project Code:** PWSTB03

**Project Priority:** Priority 3

**Department:** 9101

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2025

**Description:**

Construction of a new Public Works Facility located in the City. Initial phase of work would be to conduct a needs / space assessment for both maintenance and administration functions. Following assessment completion determine siting location and proceed into design of new facility. Project ending in construction of new facility and relocation of all Public Works personnel and equipment. It should be noted that if ever the Sentara RMH Wellness Center complex is placed on the market for sale the City should consider purchasing this facility for expanded Public Works, Public Utilities, and Parks and Recreation operations. Public Works and Public Utilities will share a common customer service center and administrative offices, and Parks and Recreation could utilize the wellness center for their east side of the City facility.

**Justifications:**

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

**Explanation:**

Both the East Mosby and Park View shop locations of Public Works have limitations for operational efficiency in both administration and maintenance areas. The existing office space does not provide sufficient space for current Public Works staff and sharing of offices is required. Maintenance areas are limited in size and do not provide adequate space maintenance of small equipment and traffic related equipment and materials. Exposure to the flood plain is a significant challenge due to the nature of Public Works operations (salt, brine, fueling, misc material storage, etc), and with the new MS4 regulations non-stormwater discharges are becoming more significant of a challenge. Marketing of East Mosby and Park View facilities to adjacent property owners is an option to consider.

**Goals/Objectives/  
Strategies:**

G 8

**Alternative:**

Renovation of existing facility, or purchase property and facilities that will provide needs determined during needs / space assessment.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning							\$1,000,000	\$1,000,000
Land							\$3,000,000	\$3,000,000
Construction							\$11,000,000	\$11,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,000,000</b>	<b>\$15,000,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds							\$13,400,000	\$13,400,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue							\$1,600,000	\$1,600,000
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$15,000,000</b>	<b>\$15,000,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** DOWNTOWN STREETSCAPE PROJECT

**Project Code:** PWSTP01

**Project Priority:** Priority 3

**Department:** 9101

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2015

**Completion Date (FYE):** 2019

**Description:**

Plan is part of Harrisonburg Downtown Streetscape Plan. Cost of utility work is not included. Phase III Streetscape will include Elizabeth Street to Wolfe Street. Phase IV Streetscape will include Court Square and West Market Street between Court Square and Liberty Street.

**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, replace traffic signals, traffic regulatory signage, and landscaping.

**Alternative:**

Maintain existing sidewalks and brick pavers.

**Goals/Objectives/  
Strategies:**

- G 10
- S 10.1.10
- O 10.2
- S 10.2.9
- S 10.2.10
- O 10.7
- S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$200,000		\$300,000					\$500,000
Land								\$0
Construction	\$1,100,000		\$2,000,000					\$3,100,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$1,300,000</b>	<b>\$0</b>	<b>\$2,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,600,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$420,000		\$460,000					\$880,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants	\$880,000		\$1,840,000					\$2,720,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$1,300,000</b>	<b>\$0</b>	<b>\$2,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,600,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** CARPENTER LN./ PIKE CHURCH RD. REALIGNMENT

**Project Code:** PWSTP02

**Project Priority:** Priority 3

**Department:** 9101

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2021

**Description:**

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

**Explanation:**

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

**Alternative:**

Close Carpenter Ln.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

- G 10
- S 10.1.9
- S 10.2.9
- O 10.7
- S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$130,000					\$130,000
Land				\$240,000				\$240,000
Construction					\$1,000,000			\$1,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$130,000	\$240,000	\$1,000,000	\$0	\$0	\$1,370,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$130,000	\$240,000	\$1,000,000			\$1,370,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$130,000	\$240,000	\$1,000,000	\$0	\$0	\$1,370,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** PLEASANT VALLEY ROAD

**Project Code:** PWSTP03

**Project Priority:** Priority 3

**Department:** 9101

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2022

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Alternative:**

Build alternative new roadway as shown in Street Improvement Plan.

**Goals/Objectives/  
Strategies:**

G 10  
 S 10.1.9  
 O 10.2  
 S 10.2.1  
 S 10.2.9  
 O 10.7  
 S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$750,000					\$750,000
Land				\$1,250,000	\$1,250,000			\$2,500,000
Construction						\$5,000,000		\$5,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$750,000	\$1,250,000	\$1,250,000	\$5,000,000	\$0	\$8,250,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$750,000					\$750,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants				\$1,250,000	\$1,250,000	\$5,000,000		\$7,500,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$750,000	\$1,250,000	\$1,250,000	\$5,000,000	\$0	\$8,250,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** South Main Street (48718)

**Project Code:** PWSTP05

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** Beyond

**Description:**

Widen South Main Street to 5-lane arterial street-from Pleasant Valley Road to South City Limits. Improve the intersection of S. Main St. & Covenant Dr.

**Justifications:**

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

**Explanation:**

Improve to 5-lane street to improve traffic flow and safety. Partial funds from Development.

**Alternative:**

Participation in design and construction by adjoining land development.

**Goals/Objectives/  
Strategies:**

G 10  
 S 10.1.3  
 S 10.1.6  
 S 10.1.9  
 O 10.2  
 S 10.2.1  
 S 10.2.9  
 O 10.7  
 S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$1,000,000					\$1,000,000
Land				\$5,000,000				\$5,000,000
Construction							\$6,300,000	\$6,300,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>\$5,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,300,000</b>	<b>\$12,300,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$1,000,000					\$1,000,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue				\$5,000,000			\$6,300,000	\$11,300,000
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>\$5,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,300,000</b>	<b>\$12,300,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** CHICAGO AVE./ MT. CLINTON PIKE/ PARK RD. ROUNDABOUT

**Project Code:** PWSTP06

**Project Priority:** Priority 2

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2016

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2018

**Description:**

Improve intersection of Chicago Ave., Mt. Clinton Pike, and Park Rd. to include a roundabout and improvements along Mt. Clinton Pike from the roundabout east to Virginia Ave. with bicycle facilities, pedestrian facilities, stormwater management system. Public involvement meeting in April 2011 indicated strong support for roundabout opposed to other traffic control methods at this intersection.

**Justifications:**

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

**Explanation:**

Currently, Chicago Ave. and Park Rd. intersect with Mt. Clinton Pike at close proximity causing safety hazards. This project will improve safety. Partner with Eastern Mennonite University to complete project. Reconstructed Mt. Clinton Pike will be 2 lanes in each direction with center median and left turn lanes. A sidewalk is planned for the southside of the roadway, with a shared use path along the northside.

**Goals/Objectives/  
Strategies:**

- G 10
- S 10.1.6
- S 10.1.8
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.7
- S 10.2.9
- O 10.7
- S 10.7.1

**Alternative:**

Install an offset signalized intersection.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$630,000							\$630,000
Land	\$1,120,000	\$380,000						\$1,500,000
Construction		\$4,000,000						\$4,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$1,750,000</b>	<b>\$4,380,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,130,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$1,000,000							\$1,000,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants	\$750,000	\$4,380,000						\$5,130,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$1,750,000</b>	<b>\$4,380,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$6,130,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** CHICAGO AVENUE IMPROVEMENTS

**Project Code:** PWSTP06A

**Project Priority:** Priority 2

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2020

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2021

**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 from Mt. Clinton Pike to Waterman Drive.

**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. Project will assist traffic movement from West Market Street to Virginia Avenue.

**Alternative:**

Use existing insufficient facilities.

**Goals/Objectives/  
Strategies:**

- G 10
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning				\$450,000				\$450,000
Land					\$3,000,000			\$3,000,000
Construction					\$3,000,000			\$3,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$450,000	\$6,000,000	\$0	\$0	\$6,450,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$450,000				\$450,000
Enterprise Revenue								\$0
Bond Proceeds					\$6,000,000			\$6,000,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$450,000	\$6,000,000	\$0	\$0	\$6,450,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** MT CLINTON PIKE WIDENING

**Project Code:** PWSTP06B

**Project Priority:** Priority 3

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2022

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** Beyond

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Alternative:**

**Goals/Objectives/  
Strategies:**

G 10  
 S 10.1.9  
 O 10.2  
 S 10.2.1  
 S 10.2.3  
 S 10.2.9  
 O 10.7  
 S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning						\$450,000		\$450,000
Land							\$3,000,000	\$3,000,000
Construction							\$3,000,000	\$3,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$450,000	\$6,000,000	\$6,450,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue						\$450,000		\$450,000
Enterprise Revenue								\$0
Bond Proceeds							\$6,000,000	\$6,000,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$450,000	\$6,000,000	\$6,450,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** NORTH LIBERTY STREET (48294)

**Project Code:** PWSTP08

**Project Priority:** Priority 3

**Project Type:** ADDITION & REPLACEMENT

**Start Date (FYE):** 2022

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** Beyond

**Description:**

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

**Justifications:**

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

**Explanation:**

Improvement to roadway to serve industrial and commercial development in area. Several firms depend on truck transportation for their business along this street. Street improvements will support development and increase tax base.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

**Alternative:**

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning						\$300,000		\$300,000
Land							\$1,000,000	\$1,000,000
Construction							\$3,500,000	\$3,500,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$300,000	\$4,500,000	\$4,800,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue						\$300,000		\$300,000
Enterprise Revenue								\$0
Bond Proceeds							\$4,500,000	\$4,500,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$300,000	\$4,500,000	\$4,800,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** CARLTON STREET IMPROVEMENT

**Project Code:** PWSTP09

**Project Priority:** Priority 2

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2019

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2021

**Description:**

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

**Justifications:**

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

**Explanation:**

High pedestrian volumes near an elementary school with inadequate facilities.

**Alternative:**

None.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$250,000					\$250,000
Land				\$750,000				\$750,000
Construction					\$1,500,000			\$1,500,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$750,000</b>	<b>\$1,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$125,000	\$375,000	\$750,000			\$1,250,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants			\$125,000	\$375,000	\$750,000			\$1,250,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$750,000</b>	<b>\$1,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,500,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** BLUESTONE TRAIL

**Project Code:** PWSTP11

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2016

**Completion Date (FYE):** 2020

**Description:**

Phase I: Complete  
Phase II: Provide pedestrian/bike connection between Wellness Drive and Ramblewood Park.

**Justifications:**

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

**Explanation:**

Will serve college and multi-family developments in the southern end of the city reach destinations by alternative means of transportation, that is separated from motor vehicle traffic.

**Goals/Objectives/  
Strategies:**

G 10  
O 10.2  
S 10.2.2  
S 10.2.9

**Alternative:**

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$200,000		\$200,000					\$400,000
Land								\$0
Construction	\$1,125,000			\$1,500,000				\$2,625,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$1,325,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$1,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,025,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$675,000		\$200,000	\$750,000				\$1,625,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants	\$650,000			\$750,000				\$1,400,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$1,325,000</b>	<b>\$0</b>	<b>\$200,000</b>	<b>\$1,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,025,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** GREENDALE ROAD 910141-48666

**Project Code:** PWSTP12

**Project Priority:** Priority 3

**Project Type:** ADDITION & REPLACEMENT

**Start Date (FYE):** 2019

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2021

**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.

**Justifications:**

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

**Explanation:**

Improves traffic flow from Route 11 to Port Republic Road and avoids road widening through residential areas. Partial Funds from Private Business

**Alternative:**

None.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- S 10.1.6
- O 10.2
- S 10.2.1
- S 10.2.9
- O 10.7
- S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$1,000,000					\$1,000,000
Land			\$1,000,000	\$1,000,000				\$2,000,000
Construction					\$8,500,000			\$8,500,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,000,000</b>	<b>\$1,000,000</b>	<b>\$8,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,500,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds			\$1,000,000	\$500,000	\$7,500,000			\$9,000,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue			\$1,000,000	\$500,000	\$1,000,000			\$2,500,000
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$2,000,000</b>	<b>\$1,000,000</b>	<b>\$8,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$11,500,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** East Market Street - Exit 247 Improvements MLK to Burgess

**Project Code:** PWSTP13

**Project Priority:** Priority 2

**Project Type:** CONSTRUCTION

**Start Date (FYE):** 2018

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2021

**Description:**

East Market St. MLK Jr. Way to Burgess Rd and includes the reconstruction of Exit 247 and the four (4) VDOT bridge structures located in this section. The improvements to Exit 247 include increased acceleration and deceleration lanes on East Market and relocated I-81 NB on ramp off of Rt 33 East, spur ramp to the NB off ramp, extension of the left turn lane onto Linda Lane, and installation of dividing median between the left turn lane and main line East Market Street. Installation of sidewalks is included from MLK Jr. Way to Burgess Road.

**Justifications:**

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

**Explanation:**

Provides improvements to Exit 247 and East Market St as outlined in recently completed I-81 Exit 245 and 247 Interchange Alternatives Analysis performed by VDOT, HRMPO, and City. As well as making improvements to the NB off ramp and left turn lanes onto Linda Lane.

**Alternative:**

Decrease scope of project into smaller phases.

**Goals/Objectives/  
Strategies:**

- G 1
- O 1.1
- O 1.2
- O 1.3
- G 10
- O 10.1
- S 10.1.1
- S 10.1.2
- S 10.1.6
- S 10.1.7
- S 10.1.8
- S 10.1.9
- S 10.1.10
- S 10.1.11
- O 10.7
- S 10.7.1
- S 10.7.2
- S 10.7.3

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$4,356,761						\$4,356,761
Land			\$1,390,011					\$1,390,011
Construction				\$25,423,901	\$25,423,901			\$50,847,802
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$4,356,761</b>	<b>\$1,390,011</b>	<b>\$25,423,901</b>	<b>\$25,423,901</b>	<b>\$0</b>	<b>\$0</b>	<b>\$56,594,574</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue		\$4,356,761	\$1,390,011	\$25,423,901	\$25,423,901			\$56,594,574
<b>Total</b>	<b>\$0</b>	<b>\$4,356,761</b>	<b>\$1,390,011</b>	<b>\$25,423,901</b>	<b>\$25,423,901</b>	<b>\$0</b>	<b>\$0</b>	<b>\$56,594,574</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** UNIVERSITY BLVD - SIDEWALK 910141-48714

**Project Code:** PWSTP14

**Project Priority:** Priority 2

**Project Type:** CONSTRUCTION

**Start Date (FYE):** 2019

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2021

**Description:**

Construct new sidewalks on University Blvd. from Reservoir St. to E. Market St. Phase I will construct sidewalks on the north side between East Market St and Evelyn Byrd (COMPLETE), Phase II will construct sidewalks on the north side between Evelyn Byrd and Reservoir St, Phase III will construction sidewalks on the south side between East Market St and Evelyn Byrd, and Phase IV will construct sidewalks on the southside between Evelyn Byrd and Reservoir St.

**Justifications:**

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

**Explanation:**

Sidewalks on University Blvd. would provide access for pedestrians to commercial businesses and restaurants along the corridor. This sidewalk 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. Phase I is complete, Phase II is planned for FY18, Phase III is planned for FY19, and Phase IV is planned for FY20.

**Goals/Objectives/  
Strategies:**

G 10  
O 10.2  
S 10.2.2  
S 10.2.3  
S 10.2.9  
O 10.7  
S 10.7.1

**Alternative:**

None.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction			\$225,000	\$250,000	\$275,000			\$750,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$225,000	\$250,000	\$275,000	\$0	\$0	\$750,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$225,000	\$250,000	\$275,000			\$750,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$225,000	\$250,000	\$275,000	\$0	\$0	\$750,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** STONESPRING ROAD/ERICKSON AVENUE CONNECTOR 48636&48637

**Project Code:** PWSTP16

**Project Priority:** Priority 2

**Project Type:** ADDITION & REPLACEMENT

**Start Date (FYE):** 2009

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2018

**Description:**

Major east to west transportation facility. Ties in with the County's Southeast connector. Four and five lane facility w/bike lanes and sidewalk from east city limits to west city limits.

**Justifications:**

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

**Explanation:**

Widen roadway to provide improved access to Garbers Church Road. This project is part of the Master Street Plan. Includes widening the roadway from S. High St. to Garbers Church Road, with new signal installation at Garbers Church Road and Erickson Ave.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.6
- O 10.2
- S 10.2.1
- S 10.2.9
- O 10.7
- S 10.7.1

**Alternative:**

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$7,424,769	\$300,000						\$7,724,769
Land	\$6,662,164							\$6,662,164
Construction	\$37,014,206	\$4,000,000						\$41,014,206
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$51,101,139</b>	<b>\$4,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$55,401,139</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$27,289,586							\$27,289,586
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants		\$4,300,000						\$4,300,000
Capital Project Fund								\$0
Other Revenue	\$23,811,553							\$23,811,553
<b>Total</b>	<b>\$51,101,139</b>	<b>\$4,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$55,401,139</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** South Main Street Median

**Project Code:** PWSTP18

**Project Priority:** Priority 3

**Department:** 9101

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2019

**Description:**

Construct median and turn lanes at intersections on South Main Street from Port Republic Road to Bluestone Drive. Replace 6" waterline where necessary. Install enhanced crosswalks, match lighting with JMU's lighting. Upgrade traffic signals.

**Justifications:**

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

**Explanation:**

Provide infrastructure improvements to provide traffic calming for motorized traffic and better direct pedestrians to cross at signalized cross-walks.

**Alternative:**

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.6

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$300,000					\$300,000
Land								\$0
Construction			\$1,300,000					\$1,300,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$1,600,000	\$0	\$0	\$0	\$0	\$1,600,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$700,000					\$700,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue			\$900,000					\$900,000
<b>Total</b>	\$0	\$0	\$1,600,000	\$0	\$0	\$0	\$0	\$1,600,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** PORT REPUBLIC ROAD

**Project Code:** PWSTP19

**Project Priority:** Priority 3

**Department:** 9101

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** 2022

**Description:**

Street improvements to Port Republic Road between Forest Hills Drive and Devon Lane.

**Justifications:**

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

**Explanation:**

Improve the Port Republic Road corridor to increase safety, improve maneuvering, and expand capacity in the vicinity of James Madison University. To include a fifth lane between Forest Hill Road and Devon Lane as well as intersection realignment/improvement where deemed necessary by traffic analysis. Also, will include additional bicycle and pedestrian accommodations.

**Alternative:**

**Goals/Objectives/  
Strategies:**

- G 10
- S 10.1.6
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning				\$500,000				\$500,000
Land					\$1,200,000			\$1,200,000
Construction						\$3,100,000		\$3,100,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$500,000	\$1,200,000	\$3,100,000	\$0	\$4,800,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants				\$500,000	\$1,200,000	\$3,100,000		\$4,800,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$500,000	\$1,200,000	\$3,100,000	\$0	\$4,800,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Martin Luther King Jr Way Widening

**Project Code:** PWSTP20

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** 2016

**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 foot print. Improves efficiency of bicycle & pedestrian safety. Project to be developed cooperatively with JMU.

**Goals/Objectives/Strategies:**

- G 10
- O 10.1
- S 10.1.3
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

**Alternative:**

Expenditures:	Prior	2018	2019	2020	2021	2022	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
<b>Total</b>	<b>\$3,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$125,000</b>	<b>\$3,000,000</b>	<b>\$6,725,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$500,000				\$300,000			\$800,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants	\$2,800,000							\$2,800,000
Capital Project Fund								\$0
Other Revenue						\$125,000	\$3,000,000	\$3,125,000
<b>Total</b>	<b>\$3,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</b>	<b>\$125,000</b>	<b>\$3,000,000</b>	<b>\$6,725,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** EAST MARKET STREET - SAFETY IMPROVEMENT PROGRAM - 910141-48619

**Project Code:** PWSTP21

**Project Priority:** Priority 2

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2019

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** 2020

**Description:**

Improvement to turning lanes, cross-overs, pedestrians access from Linda Lane to Chestnut Ridge Drive. Install sidewalks, and pedestrian crosswalks. Install pedestrian crosswalk signals. Modify unsignalized crossovers to restrict turning movements.

**Justifications:**

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

**Explanation:**

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

**Alternative:**

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

**Goals/Objectives/  
Strategies:**

- G 10
- S 10.1.6

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$30,000					\$30,000
Land								\$0
Construction				\$170,000				\$170,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$170,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$30,000	\$170,000				\$200,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,000</b>	<b>\$170,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** NEFF AVENUE IMPROVEMENTS

**Project Code:** PWSTP23

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** 2021

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Alternative:**

Restrict Access to and from Neff Avenue.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.6

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning				\$400,000				\$400,000
Land								\$0
Construction					\$1,800,000			\$1,800,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$400,000	\$1,800,000	\$0	\$0	\$2,200,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$400,000				\$400,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue					\$1,800,000			\$1,800,000
<b>Total</b>	\$0	\$0	\$0	\$400,000	\$1,800,000	\$0	\$0	\$2,200,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** COUNTRY CLUB ROAD 910141-48656

**Project Code:** PWSTP25

**Project Priority:** Priority 3

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2017

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** Beyond

**Description:**

Phase I Country Club Road (FY16-FY19)- Linda Lane to East Market St. at Valley Mall. Widen roadway to 2-lanes with turn lane at intersection of Keezletown Rd. Install sidewalk and shared use path.

Phase II Country Club Road (Formerly MLK Way Extension) (Beyond)- MLK Way Extended to Country Club Road and then improved to Linda Lane. Cul-De-Sac Country Club Road at Vine Street. Widen roadway to 2-lanes with traffic signal and turnlanes at MLK Way Extended and Country Club Road intersection. Phase is contingent upon VDOT reconstructing I-81 bridges over Country Club Road.

**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 support development in the area. Improve drainage ditch parallel to roadway. Project to be built in phases to coordinate with development and VDOT I-81 Bridge replacement schedule.

**Goals/Objectives/Strategies:**

- G 10
- S 10.1.7
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

**Alternative:**

Allow increased traffic to deal with delays.

**Expenditures:**

	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$300,000		\$600,000				\$900,000
Land		\$1,300,000			\$3,000,000			\$4,300,000
Construction			\$3,500,000				\$4,000,000	\$7,500,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$1,600,000</b>	<b>\$3,500,000</b>	<b>\$600,000</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$4,000,000</b>	<b>\$12,700,000</b>

**Funding Sources:**

	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$600,000				\$600,000
Enterprise Revenue								\$0
Bond Proceeds		\$1,600,000	\$3,500,000		\$3,000,000		\$4,000,000	\$12,100,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$1,600,000</b>	<b>\$3,500,000</b>	<b>\$600,000</b>	<b>\$3,000,000</b>	<b>\$0</b>	<b>\$4,000,000</b>	<b>\$12,700,000</b>

**Operating Impacts:**

	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** VIRGINIA AVE. - GAY ST. TO 5TH ST.

**Project Code:** PWSTP27

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** beyond

**Description:**

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

**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. Traffic counts justify 4 lanes. This will complete 4 laning of Virginia Ave., High St. (Rte. 42) through Harrisonburg.

**Alternative:**

NONE: Traffic counts warrant four lanes.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.6
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning				\$425,000				\$425,000
Land							\$1,000,000	\$1,000,000
Construction							\$2,500,000	\$2,500,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$425,000	\$0	\$0	\$3,500,000	\$3,925,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$425,000				\$425,000
Enterprise Revenue								\$0
Bond Proceeds							\$3,500,000	\$3,500,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$425,000	\$0	\$0	\$3,500,000	\$3,925,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** LINDA LANE WIDENING 910141-48696

**Project Code:** PWSTP28

**Project Priority:** Priority 2

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2022

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** Beyond

**Description:**

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

**Justifications:**

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

**Explanation:**

Provide adequate access to new planned developments.

**Alternative:**

Use existing insufficient facilities.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.3
- S 10.1.6
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning						\$250,000		\$250,000
Land							\$500,000	\$500,000
Construction							\$2,000,000	\$2,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$2,500,000</b>	<b>\$2,750,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue						\$250,000		\$250,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants							\$2,500,000	\$2,500,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$2,500,000</b>	<b>\$2,750,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** SMITHLAND ROAD

**Project Code:** PWSTP28A

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** 2020

**Completion Date (FYE):** 2022

**Description:**

Construct 4-Lane street with sidewalks, curb & gutter, bicycle lanes or shared use path, and raised median from the intersection of Linda Lane extended to Old Furnace Road @ I-81.

**Justifications:**

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

**Explanation:**

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

**Goals/Objectives/  
Strategies:**

G 10  
O 10.1  
S 10.1.6  
S 10.1.9  
O 10.2  
S 10.2.1  
S 10.2.3  
S 10.2.9  
O 10.7  
S 10.7.1

**Alternative:**

Use existing insufficient facilities.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning				\$500,000				\$500,000
Land					\$1,000,000			\$1,000,000
Construction						\$2,750,000		\$2,750,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$1,000,000</b>	<b>\$2,750,000</b>	<b>\$0</b>	<b>\$4,250,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$250,000	\$500,000	\$1,375,000		\$2,125,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants				\$250,000	\$500,000	\$1,375,000		\$2,125,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$500,000</b>	<b>\$1,000,000</b>	<b>\$2,750,000</b>	<b>\$0</b>	<b>\$4,250,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** MT. CLINTON PIKE EAST EXTENDED

**Project Code:** PWSTP29

**Project Priority:** Priority 3

**Project Type:** NEW

**Start Date (FYE):** 2021

**Department:** 9101

**Status:** Active

**Completion Date (FYE):** Beyond

**Description:**

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

**Justifications:**

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

**Explanation:**

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

**Alternative:**

Improve Vine Street connection to Country Club Road.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.9
- O 10.2
- S 10.2.1
- S 10.2.3
- S 10.2.9
- O 10.7
- S 10.7.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning					\$1,200,000			\$1,200,000
Land							\$3,000,000	\$3,000,000
Construction							\$6,000,000	\$6,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,200,000	\$0	\$9,000,000	\$10,200,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue					\$1,200,000			\$1,200,000
Enterprise Revenue								\$0
Bond Proceeds							\$9,000,000	\$9,000,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,200,000	\$0	\$9,000,000	\$10,200,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Northend Greenway

**Project Code:** PWSTP37

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2014

**Completion Date (FYE):** beyond

**Description:**

Construct a 10' wide multiuse path along Blacks Run between Parkview area and North Main Street. Project follows the approximate trace of the former Blacks Run Greenway alignment. Currently Phase 1 is funded and constructs the NEG from Mt. Clinton Pike to the intersection of Liberty St and Suter St. Phase 2 is not currently funded and will construct the trail from Suter St to North Main Street.

**Justifications:**

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

**Explanation:**

**Alternative:**

Widen Chicago Avenue and construct sidewalks/bicycle lanes from Mt Clinton Pike to Gay Street.

**Goals/Objectives/  
Strategies:**

G 9  
 O 9.4  
 G 10  
 O 10.2  
 S 10.2.2  
 S 10.2.9

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$205,000						\$205,000	\$410,000
Land	\$200,000						\$200,000	\$400,000
Construction	\$895,000						\$895,000	\$1,790,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$1,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,300,000</b>	<b>\$2,600,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$700,000						\$700,000	\$1,400,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants	\$600,000						\$600,000	\$1,200,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$1,300,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,300,000</b>	<b>\$2,600,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** North Main Street Sidewalk

**Project Code:** PWSTP38

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2017

**Completion Date (FYE):** 2018

**Description:**

Construct sidewalk and curb/gutter on North Main Street from Charles Street to Vine Street. Include a sidewalk to Harris Gardens Apartment Complex on Vine 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 shopping in the downtown area. Consider CDBG to finance a portion of the project.

**Goals/Objectives/  
Strategies:**

G 10  
 O 10.2  
 S 10.2.2  
 S 10.2.9

**Alternative:**

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$20,000							\$20,000
Land	\$80,000							\$80,000
Construction	\$150,000	\$350,000						\$500,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$250,000</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$600,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$250,000	\$350,000						\$600,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$250,000</b>	<b>\$350,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$600,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>





**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Reservoir Street Sidewalk

**Project Code:** PWSTP40

**Project Priority:** Priority 2

**Department:** 9101

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2018

**Description:**

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

**Justifications:**

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

**Explanation:**

Pedestrians utilize the north side of Reservoir Street heavily and have worn a path along side 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.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.2
- S 10.2.2
- S 10.2.9

**Alternative:**

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$150,000						\$150,000
Land								\$0
Construction		\$850,000						\$850,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$500,000						\$500,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants		\$500,000						\$500,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$1,000,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Smithland Soccer Field 4 Parking

**Project Code:** P&R 2018

**Project Priority:** Priority 2

**Department:** 910771

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2018

**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. Amenities include various elements and athletic facilities. This request is for construction of the permanent parking area that would serve field 4 and future development of the site.

**Justifications:**

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

**Explanation:**

There is a demand in the community for additional athletic fields due to growth in both the adult (men's and women's) and youth soccer programs. Field #4 was completed and put into use with a temporary, grass parking area. This request is for construction of the permanent parking area that would serve field 4 and future development of the site.

**Goals/Objectives/  
Strategies:**

O 9.3

It should be noted that delay of construction, per the Master Plan, until June 30, 2019 would increase costs due to new technical criteria for stormwater management (VA Code 9VAC25-870 VA STORMWATER MANAGEMENT PROGRAM (VSMP) REGULATION.) The project would require compliance with the new standards which consider managed turf to be a pollutant source. Compliance with this new criteria would have a significant impact on the overall cost of construction and possibly prohibit full build out per the Master plan.

**Alternative:**

Delay construction of recreation facilities for our citizens

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction		\$315,000						\$315,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$315,000	\$0	\$0	\$0	\$0	\$0	\$315,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$315,000						\$315,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$315,000	\$0	\$0	\$0	\$0	\$0	\$315,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Westover Pool Resurfacing

**Project Code:** P&R 101

**Project Priority:** Priority 1

**Department:** 710771

**Project Type:** RENOVATION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2019

**Description:**

Resurfacing of the Diving pool, Olympic pool, and Tots Pool. This would include the sidewall, pool floor, side coping, and tiles.

**Justifications:**

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

**Explanation:**

The concrete and plaster surfaces on the inside of the pools deteriorate over time due to the combination of chemicals and natural elements that this surface is exposed to daily. This sort of damage has become a danger in all three pools. The interior surfaces of the pools including the side walls, pool floor, pool coping and tiles are all in need of re-plastering and replacement.

**Goals/Objectives/  
Strategies:**

O 9.3

While maintenance has been done to these pools regularly there is no way to keep up with the continued wear and tear on the facilities and maintain a safe and clean environment. The recommended schedule for maintenance of this kind for resurfacing to occur is every 10-15 years, the last time that Westover Pool was resurfaced was in the spring of 1996.

**Alternative:**

Continue to allow these surfaces to deteriorate resulting in unsafe and unhealthy conditions for the residents of Harrisonburg.

Due to repairs that have been done from season to season, the current state of the pool surface is safe. However, these repairs are short term solutions to a much bigger problem. Westover Pool is a heavily used complex especially during the summer season; it is used by residents, swim teams, and countless families. As one of the few pools in the area that does not require a membership, a great deal of the guests that utilize the facility would be without a pool for the summer if repairs are not made to keep the pool surface safe, sanitary, and in good working order.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$5,000						\$5,000
Land								\$0
Construction		\$225,000						\$225,000
Equipment		\$10,000						\$10,000
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$240,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$240,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$240,000						\$240,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$240,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$240,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Westover Pool Deck Resurfacing

**Project Code:** P&R 102

**Project Priority:** Priority 1

**Department:** 710771

**Project Type:** RENOVATION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2018

**Description:**

During the past 45 years, the concrete deck has developed cracks, pot holes and has dropped down at several of the expansion joints.

**Justifications:**

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

**Explanation:**

Approximately 27,500 sq. ft. of aging concrete decking through out the pool complex, needs to be resurfaced and/or replaced. One of the deck drains needs to be extended and a new 3" drain placed inside the air structure area. The top of the air structure's concrete grade beam needs to be prepared and resurfaced as part of the deck.

**Goals/Objectives/  
Strategies:**

O 9.3

**Alternative:**

Continue with existing deck issues which are a safety access issue.

due to repairs that have been done from season to season, the current state of the deck surface is safe. However from a safety standpoint injuries do occur frequently on the deck surface due to the many cracks and uneven surfaces. Many of these injuries could have been avoided had needed repairs been completed.

The problems with the concrete deck is due in large part to its age - 46 years old. The current conditions will continue to be an injury hazard to our facility guests.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$5,000						\$5,000
Land								\$0
Construction		\$225,000						\$225,000
Equipment		\$10,000						\$10,000
Other Expenses								\$0
<b>Total</b>	\$0	\$240,000	\$0	\$0	\$0	\$0	\$0	\$240,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$240,000						\$240,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$240,000	\$0	\$0	\$0	\$0	\$0	\$240,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Westover Pool Slide Replacement

**Project Code:** P&R 103

**Project Priority:** Priority 2

**Department:** 710771

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2018

**Description:**

Replacement of 17 year old waterslide used heavily during the summer and quickly approaching the end of useful life without extensive repairs. The waterslide is a popular family attraction and continues to generate additional revenue.

**Justifications:**

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

**Explanation:**

The waterslide is a popular family attraction and continues to generate additional revenue. Structures like an outdoor waterslide, age and degrade over time. Weather, usage and pool chemicals contribute to this degradation resulting in a need for continuous inspection and repair.

During the 2014, 2015 and 2016 summer seasons the waterslide has been out of service during portions of the summer due to needed safety repairs. However, the inability to use this amenity caused many customer complaints.

Additionally, in FY 2014, the slide required over \$5000 of repairs. The Department hired Engineering Solutions to conduct and inspection which identified weakness that would inhibit our ability to maintain its integrity and safety. This professional inspection has been completed each year since to verify, at the start of the season, that the slide is safe for its intended use. To further highlight the need for replacement, in August of 2016 the slide was temporarily closed when site inspections by staff identified a tilted platform. Upon further inspection, staff found that couplings were broken which dictated its immediate closing for the remainder of the season.

Replacement is required to not only continue to provide this amenity to the residents of Harrisonburg but to ensure the safety of all users.

**Goals/Objectives/  
Strategies:**

S 9.6.4

**Alternative:**

Continue to have the slide inspected by a structural engineer with supplemental inspection by staff. Continue to close and repair the slide as needed basis until it can no longer be offered safely for use by guests of the pool.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$3,500						\$3,500
Land								\$0
Construction		\$10,000						\$10,000
Equipment		\$95,000						\$95,000
Other Expenses								\$0
<b>Total</b>	\$0	\$108,500	\$0	\$0	\$0	\$0	\$0	\$108,500

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$108,500						\$108,500
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$108,500	\$0	\$0	\$0	\$0	\$0	\$108,500

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Parks Accessibility Improvement Program

**Project Code:** P&R 151

**Project Priority:** Priority 1

**Department:** 710271

**Project Type:** ADDITION & RENOVATION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2022

**Description:**

The Parks Accessibility Assessment team was created in 2013 to address accessibility challenges in the park system. Improvements to parks grounds and facilities are recommended on a priority schedule.

**Justifications:**

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

**Explanation:**

2018-19 CFG Community Activities Center, Westover Park, Purcell Park  
 2019-20 Simms Center, Hillendale Park  
 2020-21 Riven Rock Park, Smithland Soccer Fields  
 2021-22 R. Sampson Park

Funding for upgrades to improve accessibility to public park facilities could be funded through CDBG Grant.

**Goals/Objectives/  
Strategies:**

- G 9
- O 9.1
- O 9.3
- O 9.5

**Alternative:**

Alterations are mandated

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$3,000	\$3,000	\$3,000	\$3,000			\$12,000
Land								\$0
Construction		\$42,000	\$42,000	\$42,000	\$42,000			\$168,000
Equipment		\$5,000	\$5,000	\$5,000	\$5,000			\$20,000
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants		\$50,000	\$50,000	\$50,000	\$50,000			\$200,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$200,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Playground Improvement Program

**Project Code:** P&R 152

**Project Priority:** Priority 2

**Department:** 710271

**Project Type:** ADDITION & RENOVATION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2023

**Description:**

Most of the playground systems in our parks are now at least 10 years old and in need of expansion, renovation and updating. This program provides a schedule for this endeavor.

Playground renovation/replacement would be based on evaluations conducted by our Certified Playground Safety Inspector's, age of the current facility and need.

**Justifications:**

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

**Explanation:**

2018-19 Renovation of Kid's Castle, Purcell Park

2021-22 Morrison Park Playground

Future:

Kiwanis Park Playground, Ralph Sampson Playground, New Playground at Ramblewood Park, New Playground at Smithland.

Grant funding through CDBG

**Goals/Objectives/  
Strategies:**

O 9.3

**Alternative:**

Continue to maintain and repair existing playgrounds and eventually remove due to unsafe conditions.

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$25,000			\$25,000			\$50,000
Land								\$0
Construction			\$150,000			\$150,000		\$300,000
Equipment			\$100,000			\$100,000		\$200,000
Other Expenses								\$0
<b>Total</b>	\$0	\$25,000	\$250,000	\$0	\$25,000	\$250,000	\$0	\$550,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$25,000			\$25,000			\$50,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants			\$250,000			\$250,000		\$500,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$25,000	\$250,000	\$0	\$25,000	\$250,000	\$0	\$550,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Heritage Oaks - Water Supply

**Project Code:** P&R 731

**Project Priority:** Priority 2

**Department:** 730271

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2022

**Description:**

Heritage Oaks is being severely impacted by a limited water supply to irrigate the course. The course is irrigated via water stored in a pond on site. This storage pond holds 21 inches of usable water (water available to be pumped from the pond to the irrigation system). During normal operations, the pond is depleted of 4-6 inches of water each night (225,000 gallons of water.) The ponds main source of water is rain. The situation becomes critical during drought conditions, to the point of potentially losing turf due to the inability to water the course as needed.

**Justifications:**

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

**Explanation:**

There are two approaches to solving the issue of lack of water - increase storage of water on site or increase supply. In the past, supplemental filling of the pond was available from Utility during their backwash process. This was completed once per week and allowed for a known source of water to be called upon when needed. With changes in Utility to improve production and efficiency, this source is no longer readily available.

**Goals/Objectives/  
Strategies:**

The ability to increase holding capacity would require enlarging the current holding pond or installation of an above or below ground storage tank.

A secondary water source could be available by way of the Frazier Quarry. Utilization of this source would require pipes and pumps to get the water to the golf course.

Another option would be to drill more wells. However, trying to determine the exact location to drill a well that will produce the amount of water needed has proven unreliable.

**Alternative:**

Failure to address this situation can result in the potential catastrophic loss of turn on the golf course. We would be unable to provide the exemplary playing conditions expected of Heritage Oaks Golf Course.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$50,000						\$50,000
Land								\$0
Construction			\$250,000					\$250,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$50,000	\$250,000					\$300,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$250,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$300,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Athletic Field Lighting Program

**Project Code:** P&R 156

**Project Priority:** Priority 2

**Department:** 710271

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2021

**Description:**

New Lighting systems for soccer fields at Smithland Road allowing increased usage to meet increased demand. The installation of lights would be phased. The first phase would include all infrastructure work to light all 3 fields. Phase one would also include pole and light fixture installation on field 1.

This phased approach will allow for distribution of cost over several years and coincide with the field returfing program. The goal is to maintain the long term viability of the fields with a compatible program of light installation and returfing.

FY 2019 - Smithland Road Field #1

FY 2020 - Smithland Road Field #2

FY 2021 - Smithland Road Field #3

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

O 9.1  
S 9.5.1

**Explanation:**

Field lighting schedule for Smithland Road athletic field.

With a delay in the full construction of the additional fields, an option to meet the growing demand for athletic fields is to add lights. This would allow Parks and Recreation to more efficiently schedule use.

**Alternative:**

Continued limited access to athletic fields.

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction			\$350,000	\$250,000	\$250,000			\$850,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$350,000	\$250,000	\$250,000	\$0	\$0	\$850,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$350,000	\$250,000	\$250,000			\$850,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$350,000	\$250,000	\$250,000	\$0	\$0	\$850,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating			\$7,500	\$7,500	\$7,500			\$22,500
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$7,500	\$7,500	\$7,500	\$0	\$0	\$22,500



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Westover Skate Park Improvement Project

**Project Code:** P&R 155

**Project Priority:** Priority 3

**Department:** 710271

**Project Type:** ADDITION & RENOVATION

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2020

**Description:**

The Westover Skate Park (WSP) opened in 2003 and is heavily used. Since the initial installation repairs have been made to ensure the safety of the user.

The WSP uses Skate Lite obstacles which are constructed of two layers-the outer surfacing material and the interior support structure. Recent inspections revealed that the support structures are rotting compromising the integrity of individual obstacles.

Consideration should be given to a redesign/reconstruction of the skate park with installation of a more permanent concrete park which would offer a virtually maintenance-free solution. According to the Tony Hawk Foundation, costs for this type of park are typically \$40/square foot. Our skate park is approximately 14,000 square feet.

Parks and Recreation will continue to repair or remove obstacles that are no longer safe for use.

**Justifications:**

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

**Goals/Objectives/Strategies:**

- O 9.3
- O 9.5
- O 9.6

**Explanation:**

Redesign/reconstruction of the skate park will allow for a safer experience for all users and reduce maintenance costs, both time and materials.

**Alternative:**

Continue with repair of equipment until hazards require closing of the facility.

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$50,000					\$50,000
Land								\$0
Construction				\$200,000	\$200,000			\$400,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$50,000	\$200,000	\$200,000	\$0	\$0	\$450,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$50,000	\$200,000	\$200,000			\$450,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$50,000	\$200,000	\$200,000	\$0	\$0	\$450,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Athletic Field Returfing Program

**Project Code:** P&R 154

**Project Priority:** Priority 2

**Department:** 710271

**Project Type:** RENOVATION

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2023

**Description:**

The Smithland Soccer Complex opened for use 18 years ago with play on Fields 1 and 2. Shortly thereafter, Field 3 was opened. This has allowed for and encouraged the growth of soccer in our community. However, that growth has outpaced our ability to provide safe, playable and aesthetically pleasing facilities for our residents. Overuse of the existing facility can be seen in decreased turf coverage, bare goalmouths, rain-outs and diminished playability due to undulations.

The recent addition of Field 4 at this facility will decrease usage of Fields 1, 2 & 3 by roughly 224 hours of play per field annually. This is a substantial reduction in the amount of play, albeit short-lived, as soccer continues to grow in our community. The Women's league and/or Co-Ed league will likely grow to fill out this available time. Alternatively, there are other sports and teams clamoring for field use at our facilities that would be happy for these hours of use. To this end, we recommend the scheduled renovation of this facility over the next several years to meet our current and future needs for play.

**Justifications:**

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

**Goals/Objectives/Strategies:**

**Explanation:**

From what we have been able to determine, the soccer fields were primarily constructed in-house. Substantial amounts of fill were placed and compacted upon which "topsoil" was placed. The existing soil profile is heavy in silt. Imagine a jar of flour, there is little room between the flour particles for air, roots or water to pass through as that flour packs in that jar tightly. This is the same for the current soil profile at Smithland Soccer Fields. Limited root growth, dangerously hard compaction (GMAX for concussions), and frequent rain-outs from minimal rain events are common. Additionally, this topsoil contains debris and nutrient levels should have been addressed prior to seeding/sodding to correct deficiencies which are still present today.

Screening of the topsoil should have occurred during this initial phase and we can only conclude that the cost was likely too excessive at the time to justify the expense. The result has been that the rocks that were covered up are still present today and continue to wreak havoc on aeration equipment. Eventually, the expense incurred on our equipment and downtime for repair will surpass the initial funding required to remove the rock and debris.

**Alternative:**

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction				\$250,000		\$250,000	\$250,000	\$750,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$250,000	\$0	\$250,000	\$250,000	\$750,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue				\$250,000		\$250,000	\$250,000	\$750,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$250,000	\$0	\$250,000	\$250,000	\$750,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating				\$15,000		\$15,000	\$15,000	\$45,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$15,000	\$0	\$15,000	\$15,000	\$45,000



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Ralph Sampson Park Improvement Project

**Project Code:** P&R 153

**Project Priority:** Priority 2

**Department:** 710271

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2022

**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-se-sac and two picnic shelters and comfort station. This request is for Phase 3 - Sprayground and associated comfort station.

**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 communities desire for a sprayground or splash pad. A water sprayground or splash pad is a highly recommended alternative to a public swimming pool with both construction and operational costs being considerably lower.

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

The initial construction cost estimated in 2008 (as part of the Master Plan) was \$407,000. Taking into account an increase in cost of 3% each year, the cost today (2016) is estimated at \$570,000. Delaying this project until 2023 would increase the cost to over \$700,000.

Funding for this project could be, in part, through a CDBG Grant.

**Justifications:**

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

**Goals/Objectives/Strategies:**

- O 9.3
- O 9.5

**Alternative:**

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning						\$50,000		\$50,000
Land								\$0
Construction							\$700,000	\$700,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$50,000	\$700,000	\$750,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue						\$50,000	\$450,000	\$500,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants							\$250,000	\$250,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$50,000	\$700,000	\$750,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel							\$25,100	\$25,100
Operating							\$8,300	\$8,300
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$33,400	\$33,400



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Ramblewood Park Redevelopment

**Project Code:** P&R 2024

**Project Priority:** Priority 2

**Department:** 910771

**Project Type:** REBUILD

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** Ongoing

**Description:**

Planning, design and funding for new athletic and park facilities on former city landfill site and Emswiler property.

**Justifications:**

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

**Explanation:**

The Ramblewood Fields Athletic Complex was constructed in the mid 1980's on the completed section of the City Landfill. At the time of construction, landfill regulations were not as stringent or restrictive. The Va. DEQ is now requiring that a clay cap of 2 foot depth be placed on the existing athletic facilities. This will require a complete rebuild. A new Master Plan for Ramblewood Park was approved by City Council in August, 2012. This project was divided into two phases to spread costs over several years. Phase One is now complete Funding request is for Phase 2.

**Alternative:**

**Goals/Objectives/  
Strategies:**

O 9.3

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning							\$55,000	\$55,000
Land								\$0
Construction							\$1,957,795	\$1,957,795
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$2,012,795	\$2,012,795

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$55,000	\$55,000
Enterprise Revenue								\$0
Bond Proceeds							\$1,957,795	\$1,957,795
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$2,012,795	\$2,012,795

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel							\$47,500	\$47,500
Operating							\$24,800	\$24,800
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$72,300	\$72,300



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Smithland Soccer Complex Development

**Project Code:** P&R 2023

**Project Priority:** Priority 2

**Department:** 910771

**Project Type:** DEVELOPMENT

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** Ongoing

**Description:**

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

**Justifications:**

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

**Explanation:**

Construction of additional fields, restroom and maintenance facility

**Alternative:**

Continue to maintain fields with declining turf cover

**Goals/Objectives/  
Strategies:**

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction							\$735,000	\$735,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$735,000	\$735,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$735,000	\$735,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$735,000	\$735,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel							\$20,000	\$20,000
Operating							\$30,000	\$30,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** A Park for Downtown Harrisonburg

**Project Code:** P&R 2025

**Project Priority:** Priority 3

**Department:** 910771

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2028

**Description:**

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

**Justifications:**

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

**Explanation:**

City Council approved in concept plans for a new downtown park and appointed two council members to serve on a joint city/park committee task force. The park is intended to meet the needs of a wide diversity of local residents and attract visitors for relaxation and special events. The Farmer's Market will be expanded and new amenities added including a children's play area, open lawn, covered pergola, water features, park furnishing and landscaping.

**Alternative:**

**Goals/Objectives/  
Strategies:**

O 9.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction							\$4,700,000	\$4,700,000
Equipment							\$400,000	\$400,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$5,100,000	\$5,100,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel							\$46,000	\$46,000
Operating							\$38,000	\$38,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$84,000	\$84,000



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Westover Pool Spray Park Addition

**Project Code:** P&R775

**Project Priority:** Priority 3

**Department:** 710771

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2028

**Description:**

A spray park is a flat surface splash pool where water flows from a variety of features installed within the spray park area.

It will be designed with shallow water, zero depth beach style entry. The plan is for the Spray Park to be located in the present grass area, at the south end of the pool complex.

**Justifications:**

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

**Explanation:**

A Spray Park would provide, along with the existing mini park water slide, an additional family-friendly aquatic attraction that will draw both children and adults alike. It will help to rejuvenate a forty year old multi lane pool complex.

**Goals/Objectives/  
Strategies:**

- O 9.3
- S 9.5.1

**Alternative:**

none

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning							\$10,000	\$10,000
Land								\$0
Construction							\$250,000	\$250,000
Equipment							\$180,000	\$180,000
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$440,000</b>	<b>\$440,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$440,000	\$440,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$440,000</b>	<b>\$440,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel							\$10,800	\$10,800
Operating							\$5,800	\$5,800
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$16,600</b>	<b>\$16,600</b>





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** LAND ACQUISITION, NEAR EASTOVER TENNIS COURTS

**Project Code:** P&R 2027

**Project Priority:** Priority 3

**Project Type:** NEW

**Start Date (FYE):** 2023

**Department:** 710171

**Status:** Active

**Completion Date (FYE):** 2028

**Description:**

Acquisition of additional property adjacent to Eastover Tennis Courts to allow for expansion of tennis activities.

**Justifications:**

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

**Explanation:**

Acquisition of property adjacent to Eastover Tennis Courts would allow for establishment of additional courts, walking trail and additional amenities. Addition of four courts at this location would establish central tennis location, and attract regular tournaments to the area, increasing revenue from tourism dollars.

**Alternative:**

Continue with present facilities.

**Goals/Objectives/  
Strategies:**

O 9.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land							\$600,000	\$600,000
Construction								\$0
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$600,000	\$600,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$600,000	\$600,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$600,000	\$600,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** LAND ACQUISITION SE, COMMUNITY PARK

**Project Code:** P&R 2028

**Project Priority:** Priority 3

**Department:** 710171

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2028

**Description:**

Acquisition of land parcel in southeast section of Harrisonburg.

**Justifications:**

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

**Explanation:**

2003 Comprehension Master Plan for Park and Recreation for the City of Harrisonburg recommends acquisition of property in the southeast sector of Harrisonburg for establishment of a Community Park with aquatic facility.

**Alternative:**

None

**Goals/Objectives/  
Strategies:**

- O 9.1
- S 9.5.2

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land							\$1,000,000	\$1,000,000
Construction								\$0
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	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
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Elizabeth Street Deck

**Project Code:** DP20071

**Project Priority:** Priority 2

**Department:** 810921

**Project Type:** ADDITION & REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2022

**Completion Date (FYE):** 2023

**Description:**

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

**Explanation:**

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

**Alternative:**

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

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

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

- G 15
- O 15.1
- S 15.1.2

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning							\$300,000	\$300,000
Land								\$0
Construction							\$1,200,000	\$1,200,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$1,500,000	\$1,500,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** DOWNTOWN PARKING LOT IMPROVEMENT PROGRAM

**Project Code:** DP20072

**Project Priority:** Priority 2

**Department:** 810921

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2019

**Description:**

Repave Harrison Plaza Parking lot - \$150,000  
Repave East Water Street Surface Parking Lot - \$40,000

**Justifications:**

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

**Explanation:**

Smooth out uneven surfaces and potholes for improved driving and walking area, make parking stalls and handicap areas more clear through repainting

**Goals/Objectives/Strategies:**

G 10  
O 10.1  
S 10.1.8  
G 15  
O 15.1  
S 15.1.2

**Alternative:**

Perhaps continue to repatch lots (currently a mix of concrete and asphalt).

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction		\$40,000	\$150,000					\$190,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$40,000	\$150,000	\$0	\$0	\$0	\$0	\$190,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$40,000	\$150,000					\$190,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$40,000	\$150,000	\$0	\$0	\$0	\$0	\$190,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Downtown Parking Deck

**Project Code:** DP20073

**Project Priority:** Priority 2

**Department:** 810921

**Project Type:** ADDITION & REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2020

**Description:**

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

**Explanation:**

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

**Alternative:**

Continue utilizing general fund revenue to maintain existing Water Street Deck.  
  
Consider replacement as part of a PPEA or public private partnership opportunity.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

- G 15
- O 15.1
- S 15.1.2

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction			\$750,000	\$7,500,000				\$8,250,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$750,000	\$7,500,000	\$0	\$0	\$0	\$8,250,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds			\$750,000	\$7,500,000				\$8,250,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$750,000	\$7,500,000	\$0	\$0	\$0	\$8,250,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Upgrade HVAC Controls, Stonspring ES

**Project Code:** HCPS10

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** SYSTEM UPGRADE

**Status:** Active

**Start Date (FYE):** 2022

**Completion Date (FYE):** 2022

**Description:**

Upgrade HVAC Controls at Stone Spring Elementary School.

**Explanation:**

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

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment						\$53,000		\$53,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$53,000	\$0	\$53,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue						\$53,000		\$53,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$53,000	\$0	\$53,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Storefront Door Replacements, Smithland ES & Skyline MS

**Project Code:** HCPS11

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2023

**Description:**

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

**Explanation:**

Doors will need replacement by 2019.

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment							\$102,000	\$102,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$102,000	\$102,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$102,000	\$102,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$102,000	\$102,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Chiller Replacement, Harrisonburg HS

**Project Code:** HCPS13

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2023

**Description:**

Replace chiller at Harrisonburg High School.

**Explanation:**

Chiller will reach replacement point.

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment							\$300,000	\$300,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$300,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$300,000	\$300,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$300,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Renovation/Remodel of Thomas Harrison MS

**Project Code:** HCPS15

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** RENOVATION

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2024

**Description:**

Renovate Thomas Harrison Middle School to improve infrastructure.

**Justifications:**

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

**Explanation:**

The planned renovations include painting, lighting upgrades, casework, finishes, flooring, and other improvements.

**Alternative:**

**Goals/Objectives/  
Strategies:**

S 5.2.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction							\$5,000,000	\$5,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$5,000,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds							\$5,000,000	\$5,000,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000,000	\$5,000,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Purchase Land for Additional Capacity

**Project Code:** HCPS15

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2019

**Description:**

Purchase land for additional capacity.

**Justifications:**

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

**Explanation:**

With Harrisonburg City Public School enrollment growth, additional land will be required to increase the division's capacity.

**Alternative:**

**Goals/Objectives/  
Strategies:**

O 5.2

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land			\$1,500,000					\$1,500,000
Construction								\$0
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds			\$1,500,000					\$1,500,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$1,500,000	\$0	\$0	\$0	\$0	\$1,500,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** High School Annex

**Project Code:** HCPS15

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** CONSTRUCTION

**Status:** Active

**Start Date (FYE):** 2019

**Completion Date (FYE):** 2019

**Description:**

Increase High School Capacity.

**Explanation:**

Increase High School capacity due to enrollment growth.

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

O 5.2

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction			\$51,400,000					\$51,400,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$51,400,000	\$0	\$0	\$0	\$0	\$51,400,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds			\$51,400,000					\$51,400,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$51,400,000	\$0	\$0	\$0	\$0	\$51,400,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Boiler Replacement, Stonespring ES

**Project Code:** HCPS3

**Project Priority:** Priority 2

**Project Type:** REPLACEMENT

**Start Date (FYE):** 2021

**Department:** 1311

**Status:** Active

**Completion Date (FYE):** 2021

**Description:**

Replace Outdated Boiler at Stone Spring Elementary School.

**Justifications:**

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

**Explanation:**

Existing boiler is the original equipment, 15+ years old.

**Alternative:**

**Goals/Objectives/  
Strategies:**

S 5.2.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment					\$75,000			\$75,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue					\$75,000			\$75,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Air Handler Replacement, Spotswood ES

**Project Code:** HCPS4

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2023

**Description:**

Replace air handler at Spotswood Elementary School.

**Explanation:**

Replace original air handler (3 total).

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment							\$179,000	\$179,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$179,000	\$179,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$179,000	\$179,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$179,000	\$179,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Air Handler Replacement, Waterman ES

**Project Code:** HCPS5

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2023

**Description:**

Replace Air Handlers (4) at Waterman Elementary School.

**Explanation:**

Replace original air handlers at Waterman Elementary School.

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment							\$253,000	\$253,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$253,000	\$253,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$253,000	\$253,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$253,000	\$253,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Chiller Replacement, Stonespring ES

**Project Code:** HCPS6

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2021

**Completion Date (FYE):** 2021

**Description:**

Replace chiller at Stone Spring Elementary School.

**Explanation:**

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

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment					\$185,000			\$185,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$185,000	\$0	\$0	\$185,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue					\$185,000			\$185,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$185,000	\$0	\$0	\$185,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Air Handler Replacement, Keister ES

**Project Code:** HCPS8

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2023

**Completion Date (FYE):** 2023

**Description:**

Replace 4 air handlers at Keister Elementary School.

**Explanation:**

This is original equipment in need of replacement.

**Alternative:**

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment							\$253,000	\$253,000
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$253,000	\$253,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue							\$253,000	\$253,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$253,000	\$253,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0





**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** SKMS Parking Lot Entrance Improvements

**Project Code:** HCPS16

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** IMPROVEMENT

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2018

**Description:**

Skyline Middle School Parking Lot Entrance Improvements.

**Justifications:**

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

**Explanation:**

The Skyline Middle School entrance fails to safely accommodate vehicular/pedestrian traffic entering and exiting.

**Alternative:**

None.

**Goals/Objectives/  
Strategies:**

S 5.2.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction		\$50,000						\$50,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue		\$50,000						\$50,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$50,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** Resurface THMS Entrance and Parking Lot

**Project Code:** HCPS17

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2021

**Completion Date (FYE):** 2021

**Description:**

Resurface THMS Entrance and Parking Lot.

**Explanation:**

The entrance and parking lot will need to be resurfaced no later than 2021.

**Alternative:**

None.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction					\$91,000			\$91,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$91,000	\$0	\$0	\$91,000

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue					\$91,000			\$91,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$91,000	\$0	\$0	\$91,000

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Construct 7th Elementary School

**Project Code:** HCPS18

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** ADDITION

**Status:** Active

**Start Date (FYE):** 2022

**Completion Date (FYE):** 2023

**Description:**

Construct a 7th elementary school.

**Justifications:**

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

**Explanation:**

With anticipated enrollment growth, a 7th elementary school will need to be constructed.

**Alternative:**

None.

**Goals/Objectives/  
Strategies:**

O 5.2

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction						\$40,000,000		\$40,000,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$40,000,000	\$0	\$40,000,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds						\$40,000,000		\$40,000,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$40,000,000	\$0	\$40,000,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Roof Replacement/Repairs at Spotswood ES and Waterman ES

**Project Code:** HCPS19

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2022

**Completion Date (FYE):** 2022

**Description:**

Repair and/or replace existing roof sections at Spotswood Elementary School and Waterman Elementary School.

**Explanation:**

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

**Alternative:**

None.

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 5.2.1

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction						\$200,000		\$200,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue						\$200,000		\$200,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$200,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Purchase Land for Additional Elementary School Capacity

**Project Code:** HCPS20

**Project Priority:** Priority 2

**Department:** 1311

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2021

**Completion Date (FYE):** 2021

**Description:**

Purchase land for the addition of a new elementary school.

**Justifications:**

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

**Explanation:**

Land will need to be purchased to support an additional elementary school requested in 2021-2022.

**Alternative:**

**Goals/Objectives/  
Strategies:**

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land					\$2,000,000			\$2,000,000
Construction								\$0
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$2,000,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue								\$0
Bond Proceeds					\$2,000,000			\$2,000,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$2,000,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** WESTERN RAW WATERLINE (910161-48621)

**Project Code:** proj202

**Project Priority:** Priority 2

**Department:** 2011

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 1995

**Completion Date (FYE):** 2072

**Description:**

Raw water planning for replacements and upgrades of system assets that deliver raw water from North River, Silver Lake (inactive) and Dry River. Projects address issues pertaining to 1) Asset Management and Lifecycle Retirement, 2) System Risk Reduction, 3) Power/Energy Management. Current Replacement Value of Assets = \$46,748,186 @ ENR = 10,337 Current Value after Depreciation = \$22,746,726 @ ENR = 10,337

**Justifications:**

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

**Explanation:**

\* Condition of potable water system in Route 33 West is driving installation of 30" raw water pipe such that the existing 16" raw water pipe can be converted to potable functions. Recommendations are to immediately bond fund the 30" waterline from Bellview Road to VPGA (\$4M) and await condition assessment of the remaining potable system to determine the schedule of the remaining 30" pipe installation (\$7.72M VPGA to Cooper's Mountain Road).  
 \* Also included in the bond funding is \$1,000,000 for risk mitigation between Erickson Avenue and WTP. Also included is \$500,000 each for screen installations (VWWP 16-0730) at BWPS and Dry River Intake; the latter includes dam remediation. In summary this will require an additional \$2,000,000.  
 \* During the immediate years of the CIP, \$100,000 per year will be used to perform condition assessment on the 20" pipe to BWPS and the 16" pipe from VPGA to Cooper's Mountain Road. A balance will be retained to address any necessary asset removals or risk mitigations.

**Goals/Objectives/  
Strategies:**

S 11.1.1  
 S 11.1.2

**Alternative:**

Limited opportunity to change project scope but schedule can be altered with acceptance of risk. Screens at NRPS & Dry River are mandated by VWWP 16-0730 (Alternatives to be negotiated)

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$640,408							\$640,408
Land	\$320,204							\$320,204
Construction	\$5,443,468	\$6,000,000	\$100,000	\$100,000	\$100,000	\$100,000	\$7,720,000	\$19,563,468
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$6,404,080</b>	<b>\$6,000,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$7,720,000</b>	<b>\$20,524,080</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue	\$6,542,880							\$6,542,880
Enterprise Revenue			\$100,000	\$100,000	\$100,000	\$100,000	\$7,581,200	\$7,981,200
Bond Proceeds		\$6,000,000						\$6,000,000
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$6,542,880</b>	<b>\$6,000,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$100,000</b>	<b>\$7,581,200</b>	<b>\$20,524,080</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** EASTERN SOURCE DEVELOPMENT (910161-48654)

**Project Code:** proj203

**Project Priority:** Priority 2

**Department:** 2011

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 1999

**Completion Date (FYE):** 2018

**Description:**

Construct intake, two pump stations, and 89,556 feet of pipe to convey raw water from the South Fork of the Shenandoah River to the City's Water Treatment Plant at Grand View Drive. Project was selected from various alternatives by City Council in 1999. Supporting documentation included "Raw Water Supply Study of Western Sources for Harrisonburg" dated April 8, 1992, "Raw Water Study South Fork Shenandoah River" dated July 1997, "Raw Waterline Route Study South Fork Shenandoah River to Water Treatment Plant" dated November 18, 1999, "Study for Waterline Crossing of I-81" dated October 2004, and "Preliminary Design Report For Raw Water Pump Station From Shenandoah River For The City of Harrisonburg", dated April 22, 2005. As an alternative option, groundwater evaluation studies were completed in 1992, 1997, 1999, and 2001.

**Justifications:**

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

**Explanation:**

Total Project estimate is \$35,299,856 as defined above.  
 Funds expended to date are \$13,799,856 that included planning, construction, and management of the intake, partial completion of two pump stations, and installation of 26,560 feet of 24" pipe;  
 Funding on hand is \$497,840 at end of FY2017.  
 Bond funding required \$21,002,160

**Goals/Objectives/  
Strategies:**

S 11.1.1

Bond funding required mid FY2017 to complete project FY2018.

**Alternative:**

Reevaluate project under differing goals  
 Reevaluate project under partnership arrangements

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$1,680,025							\$1,680,025
Land	\$473,695							\$473,695
Construction	\$10,690,726	\$21,500,000						\$32,190,726
Equipment								\$0
Other Expenses	\$955,410							\$955,410
<b>Total</b>	<b>\$13,799,856</b>	<b>\$21,500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,299,856</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$11,609,081							\$11,609,081
Bond Proceeds	\$2,620,000	\$21,002,160						\$23,622,160
Grants	\$68,615							\$68,615
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$14,297,696</b>	<b>\$21,002,160</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$35,299,856</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Rural Potable Projects (910161-48670)

**Project Code:** proj213

**Project Priority:** Priority 2

**Department:** 2011

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2008

**Completion Date (FYE):** 2048

**Description:**

The HPU has performed calculations to estimate the remaining useful life of the 10", 12" and 16" watermain in the Route 33 West Corridor. These calculations show that the 10" is at or near the end of its useful life, the 12" is within 5 years and the 16" may have as much as 30 years remaining service. The HPU is prepared to address this through a combination of replacement, rehabilitation and repurposing of assets. The proposed CIP funding is divided into two categories. First is the funding of known and planned projects. The second is the building of a reserve fund for the study and replacement of the remaining assets which are still operating at an acceptable level of service, but are continuing to age.

Current Asset Replacement Value (Rural Assets): \$15,424,710

Depreciated Asset Value (Rural Assets): \$5,143,322

Current ENR Value of 10,337

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

- S 11.1.1
- S 11.1.2

**Explanation:**

**Short Term Project:**

This project is the conversion of the 12" pipe from VPGA to CMT. Adding the 12" pipe in parallel with the existing 10" reduces the COF and thus the risk of failure in this section by adding redundancy to the system. This conversion cost is estimated at \$20,000 in FY2018.

**Intermediate Projects:**

\* The first intermediate project is the conversion of the existing 16" raw pipe to finished water transmission between Bellview Road and the VPGA in Hinton. The project is contingent upon the completion of the parallel 30" raw waterline in this route. The conversion cost is minimal at \$5,000 in FY2021.

\* The second intermediate project is the construction of a new 8" distribution main in the CMZ. Total project cost is estimated at \$1,850,000. This project will be cash funded beginning in FY2018 at \$200,000 per year.

**Long Term Project:**

With the completion of the 30" raw waterline the existing 16" waterline can be converted to finished water service between VPGA and the CMT. The conversion cost is minor, estimated at \$5,000 in FY2038. An additional \$100,000 will be required for the conversion of the water services from the 10" to the 16" to allow the abandonment of the existing 10" line.

**Continuous Study:**

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

**Alternative:**

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

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction	\$315,796	\$270,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,105,000	\$2,690,796
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$315,796</b>	<b>\$270,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$1,105,000</b>	<b>\$2,690,796</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$475,000	\$270,000	\$250,000	\$250,000	\$250,000	\$250,000	\$945,796	\$2,690,796
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$475,000</b>	<b>\$270,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$945,796</b>	<b>\$2,690,796</b>





**Operating Impacts:**

	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Management of Pumping, Storage & Transfer Assets (910161-48688)

**Project Code:** proj216

**Project Priority:** Priority 2

**Department:** 2011

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2012

**Completion Date (FYE):** 2035

**Description:**

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

Current Asset Replacement Value = \$29,072,000 ENR = 10,337  
 Current Depreciated Asset Value = \$18,723,867 ENR = 10,337

**Justifications:**

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

**Explanation:**

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

\*\*\* Asset Replace Methodology:

Level 1: Retirement date established by Age only

Level 2: Retirement date established by Age and Qualitative Condition Assessment

Level 3: Retirement date established by Age and Quantitative Condition Assessment

\*\*\* Projected Yearly Asset Expenses:

Asset replacement funding based on Level 2 condition assessment, over the next 5 years, @ \$350,000/year and \$485,000/year for 20 years beyond (2023-2042). This includes Tank Inspections & Maintenance Plan Update @ \$25,000/year.

\*\*\* Project Expenses:

2018 - \$434,000 for Rehabilitation and Painting of Ridgeville Tank & Repair and upgrades to WST, JMU Tank & RWT.

2019, 2020, 2021, and 2022 - Tank Inspections

**Goals/Objectives/Strategies:**

- S 11.1.1
- S 11.1.2

**Alternative:**

Reactive approach; Schedule can be altered with acceptance risk.

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction	\$707,555	\$459,000	\$25,000	\$9,000	\$25,000	\$25,000	\$11,445,003	\$12,695,558
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$707,555</b>	<b>\$459,000</b>	<b>\$25,000</b>	<b>\$9,000</b>	<b>\$25,000</b>	<b>\$25,000</b>	<b>\$11,445,003</b>	<b>\$12,695,558</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$1,637,470	\$350,000	\$350,000	\$350,000	\$350,000	\$350,000	\$9,308,088	\$12,695,558
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$1,637,470</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$9,308,088</b>	<b>\$12,695,558</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

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

**Project Code:** proj215A

**Project Priority:** Priority 2

**Department:** 2011

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2013

**Completion Date (FYE):** 2048

**Description:**

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

Current Asset Replacement Value: \$95,122,873 @ ENR=10,337

Depreciated Asset Value: \$7,293,688 @ ENR=10,337

**Justifications:**

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

**Explanation:**

\*\*\*\*\* Study and Replacement of Waterlines:  
Many of the public water distribution assets are reaching the end of their anticipated service life. Based on age and limited break analysis, waterlines totaling a replacement cost of \$1,321,441 are due for replacement before FY2018, another \$5,086,988 are due between 2018 and 2022 and \$2,478,405 are due between 2023 and 2042. Rather than a wholesale replacement, a \$100,000 minimal per year is requested for the detailed condition assessment of existing distribution piping and replacement of selected projects. Funding to increase to \$300,000 FY2023-FY2042.

\*\*\*\*\* Undersized Mains with Fire Hydrants:  
Public Utilities has identified several streets with undersized waterlines serving fire hydrants. Identification and project planning are scheduled for FY2018 with replacement projects beginning in FY2018 and extending through FY2022. The project is estimated to expend \$130,000 each of the 5 years for a total of \$650,000.

\*\*\*\*\* Replacement of Air Release Valves:  
HPU maintains an inventory of 172 air release valves within the City, each with an average life expectancy of 50 years. An estimated \$211,809 will be required over the next 25 years. Funding is requested at \$10,000 per year for FY2018 through FY2040.

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

**Goals/Objectives/  
Strategies:**

S 11.1.2

**Alternative:**

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction	\$471,494	\$260,000	\$260,000	\$260,000	\$260,000	\$260,000	\$6,600,000	\$8,371,494
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$471,494</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$6,600,000</b>	<b>\$8,371,494</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$704,392	\$260,000	\$260,000	\$260,000	\$260,000	\$260,000	\$6,367,102	\$8,371,494
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$704,392</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$260,000</b>	<b>\$6,367,102</b>	<b>\$8,371,494</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0



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



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Management of Transmission & Distribution: Projects (48732)

**Project Code:** proj215B

**Project Priority:** Priority 2

**Department:** 2011

**Project Type:** NEW

**Status:** Active

**Start Date (FYE):** 2018

**Completion Date (FYE):** 2019

**Description:**

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

Current Asset Replacement Value \$95,122,873 @ ENR=10,337

Depreciated Asset Value: \$57,293,688 @ ENR=10,337

**Justifications:**

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

**Explanation:**

\*\*\*\*\* HFD Fire Hydrant Additions:

Accommodate requests from HFD to add new fire hydrants to the system where coverage is lacking. Current request for 4 hydrants. Estimate \$7,500 each; total \$30,000 to be completed in FY2018.

\*\*\*\*\* Mosby Fire Training Grounds Flow Enhancement:

Install approximately 650' new waterline from Public Utilities WOC, behind Central Stores and across Blacks Run to the Mosby Road Fire Training Grounds. Goal is to increase flow delivery for fire training facility. Blacks Run bore estimates at \$100,000, plus \$50 per foot for remaining. Total project \$130,000. Project scheduled for FY2019.

\*\*\*\*\* North Industrial Flow Enhancement:

Project is to fund the commitment to design and construct new networking system to deliver 2,500 gpm to the Friendship Industries site on Friendship Drive. Project estimate \$683,000 to be completed in FY2018.

**Goals/Objectives/  
Strategies:**

**Alternative:**

**Expenditures:**

	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction		\$713,000	\$130,000					\$843,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$713,000</b>	<b>\$130,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$843,000</b>

**Funding Sources:**

	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue		\$713,000	\$130,000					\$843,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$713,000</b>	<b>\$130,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$843,000</b>

**Operating Impacts:**

	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Management of Water Treatment Assets (910161 48733)

**Project Code:** proj218

**Project Priority:** Priority 2

**Department:** 2011

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2013

**Completion Date (FYE):** 2036

**Description:**

Capital Program associates with assets that are operated and maintained under budget 362061 for water treatment. Capital funds will allow water system to be upgraded, enhanced, expanded and revitalized through planned management of component assets. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses. This capital program makes resources available such to allow the Department of Public Utilities to preplan the retirement of assets at the optimum replacement stage in their life cycle.

Asset Life Cycle Replacement Methodology in order of continuous improvement:

Level 1: Retirement date established by Age Only

Level 2: Retirement date established by Age and Qualitative Condition

Assessment

Level 3: Retirement date established by Age and Quantitative Condition

Assessment.

Current Asset Replacement Value: \$10,719,886 ENR = 10,337

Depreciated Asset Value: \$6,502,423 ENR = 10,337

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 11.1.2

**Explanation:**

The following asset components are targeted for replacement through FY2022 based on Level 1 condition assessment; replacement cost recognize a 2.5% annual inflation. Level funding of \$147,000 per year plus FY2017 balance of \$192,863 will accomodate improvements through 2042.

- Trane XL90 Air Handler/HP to be replaced in 2019 @ \$7,525.00
- 2-Trane XL 90 Air Handler/HP to be replaced in 2019 @ \$15,050.00
- ABB omm. 500 Filter Control (8) to be replaced in 2019 @ \$10,320.00
- Prec.Dig.Flow Indicators (8) to be replaced in 2019 @ \$4,300.00
- Prec.Dig.Head Loss Indicators (8) to be replaced in 2019 @ \$4,300.00
- Chemical Pumps (12) to be replaced in 2019 @ \$56,169.00
- Chemical Flowmeters (5) to be replaced in 2019 @ \$15,480.00
- Anthracite to be replaced in 2019 @ \$36,120.00
- 1-Trane XL 90 Air Handler/HP to be replaced in 2019 @ \$7,525.00
- 4-Transformers to be replaced in 2019 @ \$33,540.00
- 12-Hach Aqua Trend/SOM to be replaced in 2019 @ \$18,060.00
- 12-Hach 172D Turbidimeters to be replaced in 2019 @ \$25,800.00
- 1-Onan 125 kW Generator to be replaced in 2020 @ \$86,209.00
- #3 Tank Level Indicator to be replaced in 2020 @ \$3,520.00

**Alternative:**

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment	\$154,783	\$0	\$234,189	\$89,729	\$0	\$0	\$972,749	\$1,451,450
Other Expenses								\$0
<b>Total</b>	<b>\$154,783</b>	<b>\$0</b>	<b>\$234,189</b>	<b>\$89,729</b>	<b>\$0</b>	<b>\$0</b>	<b>\$972,749</b>	<b>\$1,451,450</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$192,863	\$147,000	\$147,000	\$147,000	\$147,000	\$147,000	\$523,587	\$1,451,450
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$192,863</b>	<b>\$147,000</b>	<b>\$147,000</b>	<b>\$147,000</b>	<b>\$147,000</b>	<b>\$147,000</b>	<b>\$523,587</b>	<b>\$1,451,450</b>



**Operating Impacts:**

	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 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):** 2037

**Description:**

CIP format is by asset management with purpose to replace meters before their condition incurs significant reduction to revenue. Acceptable accuracy is defined by AWWA and Cost to Benefit Analysis Replacement Strategy is to advance from Level 1 to Level 3 through progressive improvement as follows:  
 Level 1: Replacement of meters by age;  
 Level 2: Replacement of meters by industry standard benchmarks for pass through consumption;  
 Level 3: Replacement of meters by Harrisonburg system specific benchmarks for pass through consumption  
 Current Asset Replacement Value: \$2,861,619 ENR: 10,337  
 Current Asset Value After Depreciation: \$1,557,839 ENR: 10,337

**Justifications:**

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

**Explanation:**

Small meter evaluation does not allow for individual testing; schedule is generated at Level 2 assessment. Life Cycle criteria is as follows: Replacement benchmarks are 5/8" meters @ 3 Million gallons; 1" meters @ 6 Million gallons, and 1.5" Meters @ 14 Million gallons. Field testing of selected meters will be performed to further determine in-site benchmarks to replace industry standard benchmarks. The current 25 year replacement schedule (Project #450) level funding is \$70,000/yr(2018-2022); \$80,000/yr (2023-2031); \$95,000/yr(2032-2042)

**Goals/Objectives/  
Strategies:**

S 11.1.2

Large meters are tested for accuracy in the field by predetermined schedule and then replaced accordingly. Current Level 1 expenses schedule (Project #251) are an estimate as historic data is invalid for use. Past repair practices are no longer available post 2015 as spare parts are no longer available; practice moves to full meter replacements. Estimated at \$36,088/year over 25 yr.

Fixed Net Radio Read is shown as a separate "new project" under this code.

**Alternative:**

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment	\$187,558	\$49,986	\$42,421	\$47,665	\$51,689	\$58,782	\$1,963,287	\$2,401,388
Other Expenses								\$0
<b>Total</b>	<b>\$187,558</b>	<b>\$49,986</b>	<b>\$42,421</b>	<b>\$47,665</b>	<b>\$51,689</b>	<b>\$58,782</b>	<b>\$1,963,287</b>	<b>\$2,401,388</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$334,393	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$1,716,995	\$2,401,388
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$334,393</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$70,000</b>	<b>\$1,716,995</b>	<b>\$2,401,388</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>





# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Fixed Read-AMI (910161-48734)

**Project Code:** proj456

**Project Priority:** Priority 3

**Project Type:** NEW

**Start Date (FYE):** 2017

**Department:** 2011

**Status:** Active

**Completion Date (FYE):**

**Description:**

The Advanced Meter Infrastructure (AMI) system would require a field monitoring device that would be installed on each meter to get a reading electronically sent to a collector. These collectors would hold data that would be sent daily, hourly, or on demand to a server that will be used in the daily processing of billing and customer service. This information may be accessed by the customer in helps with leaks detections, real time alerts and notifications, as well as Public Utilities with on demand reads, move/in/outs, leak detection. This system will run from wireless/ethernet service. This AMI system will allow utility workers to connect, disconnect, reconnect and transfer service from the office. This system will reduce the number of utility trucks on the road and help customers better understand their bills and water usage. This project would allow HPU to fully integrate real time water demand with system performance evaluations for hydraulic delivery, water quality management, permit conservation compliance, SCADA and effectiveness/efficiency improvements.

**Justifications:**

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

**Explanation:**

The Public Utilities department undertook a pilot program from Mueller "Mi-Net" Advanced Metering Infrastructure (AMI) from August 2014 through May 2015. With mixed results, we did not find a cost effective break point for the system. However, the department recognizes the system would provide a higher level of customer service. With this higher level of service we will have the capability to manage periods of water conservation. HDPU personnel met with Brian O'dell of HEC to explore the synergies that may be available in combination with their electrical meter reading system. After exploring meter cost and capacity of the existing HEC AMI system we concluded that a joint venture proved infeasible. The Department is proposing to evaluate various alternatives seeking a lower cost and a phased implementation over the coming years. The City of Harrisonburg currently services 16,100 water meter accounts bringing full implementation to an estimated cost of \$3,589,998.00;

**Goals/Objectives/  
Strategies:**

S 11.1.2

**Alternative:**

1) Continue to read meters by touchread and radio read technology; 2) Convert the remaining touchread meters to radio read for an estimated cost of \$972,927.21 with the purchase of an additional VXU for reading at \$35,000.00 for a total investment of \$1,007,927.21;

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment							\$3,510,075	\$3,510,075
Other Expenses							\$79,920	\$79,920
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$3,589,995	\$3,589,995

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue							\$3,589,995	\$3,589,995
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$3,589,995	\$3,589,995

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Public Utilities Buildings & Grounds (911161-

**Project Code:** sew210

**Project Priority:** Priority 2

**Department:** 2012

**Project Type:** ADDITION & RENOVATION

**Status:** Active

**Start Date (FYE):** 2009

**Completion Date (FYE):** 2014

**Description:**

Program emphasizes expansion and lifecycle repair / replacement for various buildings and grounds assets belonging to the Public Utilities inventory.

**Justifications:**

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

**Explanation:**

Funding shall include itemized assets per Level 1 retirement plus \$42,261 annually to establish at Reserve Balance at 2% of current asset replacement value (CARV).  
 \* CARV itemized assets= \$290,278 @ ENR=10,337  
 \* CARV Building= \$2,403,349 @ ENR=10,337  
 \* Net CARV= \$2,113,071  
 \* Net CARV Reserve @ 2% CARV= \$42,261  
 The following schedule of Asset Management is proposed  
 2018 - Itemized Assets \$109,595 (5 AC Units @ \$52,808, 4 Heat Units @ \$56,787) Reserve Funding \$42,261  
 2019 - Itemized Assets \$0 Reserve Funding \$42,261  
 2020 - Itemized Assets \$15,325 (2 AC Units) Reserve Funding \$42,261  
 2021 - Itemized Assets \$0 Reserve Funding \$42,261  
 2022 - Itemized Assets \$42,261 Reserve Funding \$0

**Goals/Objectives/  
Strategies:**

**Alternative:**

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction		\$151,856	\$42,261	\$57,586	\$42,261	\$42,261	\$984,470	\$1,320,695
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$151,856	\$42,261	\$57,586	\$42,261	\$42,261	\$984,470	\$1,320,695

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue		\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$695,695	\$1,320,695
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	\$695,695	\$1,320,695

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Management of Transfer & Monitoring Assets (911161 48736)

**Project Code:** sew212

**Project Priority:** Priority 2

**Department:** 2012

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2013

**Completion Date (FYE):** 2036

**Description:**

This Capital Program provides funding to manage assets that are integral to the City of Harrisonburg Sanitary Sewer System. These specific assets are operated and maintained under the organization and budget division for transfer functions (462061). Existing systems will be upgraded, enhanced, expanded, and revitalized through planned management of component assets as pumps and instrumentation. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses of assets. This subprogram makes resources available to allow the Department of Public Utilities to maintain current with new technology and new products and to also preplan the retirement of assets at the optimum replacement stage in their lifecycle.

**Asset Replacement Methodology**

Level 1: Retirement date established by Age only

Level 2: Retirement date established Age and Qualitative Condition Assessment

Level 3: Retirement date established by Age and Quantitative Condition Assessment

- Current Replacement Value = \$2,557,403 @ ENR=10,337
- Current Value After Depreciation = \$1,952,858 @ ENR=10,337

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

S 11.2.1

**Explanation:**

Anticipate replacing assets based on a Life Cycle Analysis with Condition Assessment at Level 2 accuracy; \$44,000/yr over a twenty five year future.

2021 - \$8,250 Fairview Pump Replacement - TBD

**Alternative:**

Reactive Approach

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment	\$239,891	\$0	\$0	\$0	\$8,250	\$0	\$1,090,237	\$1,338,378
Other Expenses								\$0
<b>Total</b>	<b>\$239,891</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$8,250</b>	<b>\$0</b>	<b>\$1,090,237</b>	<b>\$1,338,378</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$471,922	\$44,000	\$44,000	\$44,000	\$44,000	\$44,000	\$646,456	\$1,338,378
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$471,922</b>	<b>\$44,000</b>	<b>\$44,000</b>	<b>\$44,000</b>	<b>\$44,000</b>	<b>\$44,000</b>	<b>\$646,456</b>	<b>\$1,338,378</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



# Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Management of Collection & Transmission Assets (911161 48735)

**Project Code:** sew211

**Project Priority:** Priority 2

**Department:** 2012

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 2013

**Completion Date (FYE):** 2036

**Description:**

This Capital Program provides funding to manage assets that are integral to the City of Harrisonburg sanitary sewer system. These specific assets are operated and maintained under the organization and budget division for collection & transmission functions (432061). Existing systems will be upgraded, enhanced, expanded, and revitalized through planned management of component assets as mains and manholes. Parameters and strategies include useful life projections, condition assessments, and life cycle analyses of assets. This program makes resources available to allow the Department of Public Utilities to maintain current with new technology, new products and to also preplan the retirement of assets at the optimum replacement stage in their lifecycle.

**Asset Replacement Methodology:**

Level 1: retirement date established by age only

Level 2: retirement date established by age, qualitative condition and RDII analysis

Level 3: retirement date established by age, quantitative condition assessment, risk analysis and availability of funds.

Current Asset Replacement Value=\$61,107,058 @ ENR=10,337

Current After Depreciation Value=\$39,107,813 @ ENR=10,337

**Justifications:**

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

**Goals/Objectives/Strategies:**

- S 11.2.1
- S 11.2.2

**Explanation:**

Capital program has been organized to meet the goals of the Harrisonburg Public Utilities (HPU) Sanitary Sewer Management Plan (SSMP) with specific reference to Asset management and I&I Abatement.

Funding as proposed will allow over the next 25 years for the retirement of \$17,397,867 in sewer assets (pipeline and manholes) by Level 1 criteria. Two CIP projects are slotted for substitution over the Level 1 criteria between 2018 & 2022 due to Likelihood Of Failure by capacity limitations. Future funding and asset retirement will be based on Level 2 and 3 criteria.

Funding requirement is \$500,000 /year for years 2018-2022 and \$700,000/year for years 2023-2042.

**Alternative:**

Reactive Approach

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$91,195	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$1,398,592	\$1,739,787
Land	\$45,597	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$699,296	\$869,893
Construction	\$775,157	\$425,000	\$425,000	\$425,000	\$425,000	\$425,000	\$11,888,030	\$14,788,187
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$911,949</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$13,985,918</b>	<b>\$17,397,867</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$1,407,309	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$13,490,558	\$17,397,867
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$1,407,309</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$13,490,558</b>	<b>\$17,397,867</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** BLACKS RUN INTERCEPTOR UPGRADE PROG (911161-48641)

**Project Code:** sew203

**Project Priority:** Priority 2

**Department:** 2012

**Project Type:** REPLACEMENT

**Status:** Active

**Start Date (FYE):** 1991

**Completion Date (FYE):** 2056

**Description:**

Continued commitment to upgrade infrastructure of the City sanitary sewer collection system following recommendations from the Interceptor Sewer Evaluation Study for the City of Harrisonburg, VA by Wiley & Wilson 1989 & City SSMP. Allows for continued growth by expanding interceptor pipe capacity, helps reduce infiltration/inflow by pipe upgrade and reduces maintenance by pipe upgrade.

Current Asset Replacement Value: \$10,733,733 @ ENR 10,337  
Current Asset Value after Depreciation: \$4,843,255 @ ENR 10,337

**Justifications:**

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

**Explanation:**

Two Capital Improvement Projects are anticipated to substitute asset life cycle replacements due to Likelihood of Failure by capacity limitations. The two projects are as follows:  
FY2018-2020 CIP # 385 Country Club Road \$900,000 @ \$300/ft  
FY2020-2022 CIP # 282 Country Club Road \$600,000 @ \$300/ft

Total remaining project cost per Asset Lifecycle analysis in 2018 dollars = \$6.3M including FY 2018-2020 projects.

Funding is at \$250,000/yr through FY2042

Study is to be repeated in FY2017 per SSMP

**Goals/Objectives/  
Strategies:**

- S 11.2.1
- S 11.2.2
- S 11.2.3

**Alternative:**

--

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$452,938			\$90,000		\$60,000	\$482,294	\$1,085,232
Land	\$226,469			\$45,000		\$30,000	\$241,147	\$542,616
Construction	\$3,849,969			\$765,000		\$510,000	\$4,099,496	\$9,224,465
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$4,529,376</b>	<b>\$0</b>	<b>\$0</b>	<b>\$900,000</b>	<b>\$0</b>	<b>\$600,000</b>	<b>\$4,822,937</b>	<b>\$10,852,313</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$5,805,191	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$3,797,122	\$10,852,313
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$5,805,191</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$250,000</b>	<b>\$3,797,122</b>	<b>\$10,852,313</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** SCHOOL BUSES

**Project Code:** trans2

**Project Priority:** Priority 2

**Department:** 822081

**Project Type:** ADDITION & REPLACEMENT

**Status:** Active

**Start Date (FYE):** ONGOING

**Completion Date (FYE):** ONGOING

**Description:**

School buses are recommended to be replaced 10-12 years (150,000 miles)  
At this time it is anticipated we will need 6 buses to serve the new elementary school which is to open in the fall of 2017  
FY 18 18 buses 2005 AND OLDER

**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.

**Alternative:**

Try to get by with what we have. Operating costs will continue to rise.

**Goals/Objectives/  
Strategies:**

O 10.2  
S 10.4.3

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment		\$800,000	\$800,000	\$800,000	\$800,000	\$800,000		\$4,000,000
Other Expenses								\$0
<b>Total</b>	\$0	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000	\$0	\$4,000,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue		\$800,000	\$800,000	\$800,000	\$800,000	\$800,000		\$4,000,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$800,000	\$800,000	\$800,000	\$800,000	\$800,000	\$0	\$4,000,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel		\$180,000						\$180,000
Operating		\$150,000						\$150,000
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$330,000	\$0	\$0	\$0	\$0	\$0	\$330,000



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Transfer Center

**Project Code:** trans05

**Project Priority:** Priority 2

**Department:** 812081

**Project Type:** CONSTRUCTION

**Status:** Active

**Start Date (FYE):** 7/2018

**Completion Date (FYE):** 6/2020

**Description:**

Downtown transfer center with waiting area.

**Justifications:**

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

**Explanation:**

Need a permanent location in NE area of downtown. Transit development plan will address area and need. Funds are earmarked in Federal and State grant funding for FY 17 & FY 18

**Alternative:**

Continue as we are now

**Goals/Objectives/  
Strategies:**

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$50,000						\$50,000
Land	\$500,000							\$500,000
Construction		\$450,000						\$450,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$50,000	\$50,000						\$100,000
Bond Proceeds								\$0
Grants	\$450,000	\$450,000						\$900,000
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$500,000</b>	<b>\$500,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,000,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** TRANSIT BUSES

**Project Code:** trans1

**Project Priority:** Priority 2

**Department:** 812081

**Project Type:** ADDITION & REPLACEMENT

**Status:** Active

**Start Date (FYE):** ONGOING

**Completion Date (FYE):** ONGOING

**Description:**

FY 2018 1 para transit replacement, 2 transit expansion for JMU routes  
 FY 2019 7 Transit Replacements, 2 para transit replacements  
 FY 2020 Replace 8 transit buses and 2 para transits  
 FY 2021 4 para transits replacements  
 FY 2022 7 transit replacements 1 expansion

**Justifications:**

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

**Explanation:**

Para transit buses to be replaced have life of 7 years or 125,000 miles.  
 Transit buses to be replaced have life of 12 years or 500,000 miles.

**Alternative:**

Cut service. Try to keep old buses running, maintenance cost will continue to rise. Level of service will drop and number of road calls will continue to rise.

**Goals/Objectives/  
Strategies:**

O 10.2  
 S 10.2.3  
 S 10.2.4  
 S 10.2.6  
 S 10.2.12

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment		\$865,000	\$3,140,000	\$3,510,000	\$280,000	\$3,360,000		\$11,155,000
Other Expenses								\$0
<b>Total</b>	\$0	\$865,000	\$3,140,000	\$3,510,000	\$280,000	\$3,360,000	\$0	\$11,155,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue		\$86,500	\$314,000	\$351,000	\$28,000	\$336,000		\$1,115,500
Bond Proceeds								\$0
Grants		\$778,500	\$2,826,000	\$3,159,000	\$252,000	\$3,024,000		\$10,039,500
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$865,000	\$3,140,000	\$3,510,000	\$280,000	\$3,360,000	\$0	\$11,155,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating		\$50,000				\$25,000		\$75,000
Capital								\$0
Offsets		\$50,000				\$25,000		\$75,000
<b>Total</b>	\$0	\$100,000	\$0	\$0	\$0	\$50,000	\$0	\$150,000





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Solid Waste Transfer Station

**Project Code:** PWSMB01

**Project Priority:** Priority 1

**Department:** 910142

**Project Type:** CONSTRUCTION

**Status:** Active

**Start Date (FYE):** 2016

**Completion Date (FYE):** 2019

**Description:**

Construct a new 19,000 SF Solid Waste Transfer station for the transfer of the City's collected solid waste. The tranfered waste will be transportated to an off-site processing center for recyling and disposal. New facility will be located at the existing recycling center on Beery Road. Facility must be designed, permitted and constructed by June 30, 2017 due to existing transfer facility will no longer be available to the City for its use(Underway).  
FUTURE: Installation & Trash Bailing System to increase efficiency and cleanliness of operation.

**Justifications:**

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

**Explanation:**

With the closure of the City's Resource Recovery Facility it was decided that the most appropriate solution to the City's solid waste disposal was to transfer it to a recycling/disposal facility located in Troy Va. The City is able to utilize the existing RRF tipping floor as a transfer station until June 30, 2017, at which point the lease that the City has on the tipping floor will expire and a permanent location will be needed.

**Goals/Objectives/  
Strategies:**

G 1

**Alternative:**

Return the collection operations to the standard waste / recycling collection and dispose of all solid waste at the Rockingham County Landfill.

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$34,000							\$34,000
Land								\$0
Construction	\$2,500,000		\$750,000					\$3,250,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$2,534,000</b>	<b>\$0</b>	<b>\$750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,284,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$2,534,000		\$750,000					\$3,284,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$2,534,000</b>	<b>\$0</b>	<b>\$750,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,284,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** REFUSE COLLECTION TRUCK REPLACEMENT

**Project Code:** PWSSWE1

**Project Priority:** Priority 3

**Project Type:** NEW

**Start Date (FYE):** 2016

**Department:** 922041

**Status:** Active

**Completion Date (FYE):** 2020

**Description:**

Replacement program for refuse collection trucks  
 306 - 2013 Kenworth 2018  
 312 - 2013 Kenworth 2018  
 308 - 2014 Kenworth 2019  
 310 - 2014 Kenworth 2019  
 307 - 2014 Kenworth 2019  
 303 - 2016 Kenworth 2021  
 304 - 2016 Kenworth 2021

**Justifications:**

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

**Explanation:**

Replacement units to avoid high cost of rebuilding packer units and transmissions. Expected life of unit 5 yrs.  
 Additional trucks needed for collection due to city population growth and increased co-mingling of refuse and recycling due to newly implemented single stream collection program.

**Goals/Objectives/  
Strategies:**

O 11.5

**Alternative:**

Privatize

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment	\$150,000	\$400,000	\$600,000		\$400,000			\$1,550,000
Other Expenses								\$0
<b>Total</b>	<b>\$150,000</b>	<b>\$400,000</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,550,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$150,000	\$400,000	\$600,000		\$400,000			\$1,550,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$150,000</b>	<b>\$400,000</b>	<b>\$600,000</b>	<b>\$0</b>	<b>\$400,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,550,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**Capital Improvement Program  
FY2018 thru FY2022  
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):** beyond

**Description:**

Cost of closing, maintenance and monitoring of landfill per DEQ regulations.  
  
 (A) Annual monitoring/testing and engineering costs. Gas and groundwater  
 (B) Groundwater infrastructure  
 (C) New Clay Cover Cap, Topsoil and Reseed.

**Justifications:**

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

**Explanation:**

DEQ regulations require program for closing existing landfill and monitoring groundwater and gas generation for 30 year period.

**Alternative:**

**Goals/Objectives/  
Strategies:**

- O 11.5
- S 11.5.4
- S 11.5.5

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$150,000	\$105,000	\$100,000	\$115,000	\$120,000	\$130,000	\$720,000
Land								\$0
Construction								\$0
Equipment								\$0
Other Expenses							\$1,403,600	\$1,403,600
<b>Total</b>	\$0	\$150,000	\$105,000	\$100,000	\$115,000	\$120,000	\$1,533,600	\$2,123,600

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue		\$150,000	\$105,000	\$100,000	\$115,000	\$120,000	\$1,533,600	\$2,123,600
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$150,000	\$105,000	\$100,000	\$115,000	\$120,000	\$1,533,600	\$2,123,600

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** SOLID WASTE VEHICLE REPLACEMENT

**Project Code:** PWSRCE1

**Project Priority:** Priority 3

**Project Type:** REPLACEMENT

**Start Date (FYE):** 2017

**Department:** 962041

**Status:** Active

**Completion Date (FYE):** beyond

**Description:**

Replacement schedule for recycling collection vehicles for commercial customer recycling.

393 00 INTL 2018  
325 04 GMC 2019  
391 08 MACK 2020  
317 08 GMC 2021  
319 08 GMC 2022  
314 17 Chevy 2024

**Justifications:**

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

**Explanation:**

Replacement to avoid high cost of repairs and ensure continued service.

**Goals/Objectives/  
Strategies:**

O 11.5  
S 11.5.1  
S 11.5.3

**Alternative:**

Continue to pay high repair costs.

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment	\$42,585	\$150,000	\$75,000	\$175,000	\$75,000	\$80,000	\$80,000	\$677,585
Other Expenses								\$0
<b>Total</b>	<b>\$42,585</b>	<b>\$150,000</b>	<b>\$75,000</b>	<b>\$175,000</b>	<b>\$75,000</b>	<b>\$80,000</b>	<b>\$80,000</b>	<b>\$677,585</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$42,585	\$150,000	\$75,000	\$175,000	\$75,000	\$80,000	\$80,000	\$677,585
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$42,585</b>	<b>\$150,000</b>	<b>\$75,000</b>	<b>\$175,000</b>	<b>\$75,000</b>	<b>\$80,000</b>	<b>\$80,000</b>	<b>\$677,585</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



**Capital Improvement Program  
FY2018 thru FY2022  
Project Request Form**

**Project Title:** SOLID WASTE EQUIPMENT REPLACEMENT

**Project Code:** PWSSPE1

**Project Priority:** Priority 2

**Project Type:** REPLACEMENT

**Start Date (FYE):** 2017

**Department:** 962041

**Status:** Active

**Completion Date (FYE):** beyond

**Description:**

Transfer truck for hauling to county landfill, solid waste/recyclables to process center.

Bobcat 1 2018 25,000  
 1 Roll Off Trailer 2018 40,000  
 4 Refuse Roll-off Containers 2018 20,000  
 4 Refuse Roll-off Containers 2019 20,000  
 Bobcat 2 2019 25,000  
 Forklift 2020 30,000  
 4 Refuse Roll-off Containers 2021 24,000  
 4 Refuse Roll-off Containers 2022 24,000  
 1 Roll-off Truck & Trailer Future 210,000  
 CAT Loader Future 225,000

**Justifications:**

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

**Goals/Objectives/  
Strategies:**

O 11.5  
 S 11.5.4  
 S 11.5.5

**Explanation:**

Equipment Replacements for Transfer Station.

**Alternative:**

Continue to pay high repair costs.

<b>Expenditures:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Planning								\$0
Land								\$0
Construction								\$0
Equipment	\$200,000	\$85,000	\$45,000	\$30,000	\$24,000	\$24,000	\$435,000	\$843,000
Other Expenses								\$0
<b>Total</b>	<b>\$200,000</b>	<b>\$85,000</b>	<b>\$45,000</b>	<b>\$30,000</b>	<b>\$24,000</b>	<b>\$24,000</b>	<b>\$435,000</b>	<b>\$843,000</b>

<b>Funding Sources:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$200,000	\$85,000	\$45,000	\$30,000	\$24,000	\$24,000	\$435,000	\$843,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$200,000</b>	<b>\$85,000</b>	<b>\$45,000</b>	<b>\$30,000</b>	<b>\$24,000</b>	<b>\$24,000</b>	<b>\$435,000</b>	<b>\$843,000</b>

<b>Operating Impacts:</b>	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Drainage and Stormwater Program (MS4 VPDES Permit)

**Project Code:** PWSWPL01

**Project Priority:** Priority 1

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2017

**Department:** 910541

**Status:** Active

**Completion Date (FYE):** 2022

**Description:**

US EPA and VA DCR requirements for the City to meet National and Virginia Pollutant Discharge Elimination System requirements for stormwater discharges from the regulated municipal separate storm sewer system to surface waters of the Commonwealth of Virginia. New permit and new conditions became effective July 1, 2013. Funds will also be used to partner with private development for increase pollutant removal associated with any new or redeveloped properties

**Justifications:**

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

**Explanation:**

To assist in meeting city MS4 permit requirements for education and outreach, illicit discharge detection and elimination, inspection of stormwater management facilities, good housekeeping and employee training, and special conditions for pollutant reductions in accordance with the Cheapeake Bay TMDL and non-Bay TMDLs.

**Alternative:**

None.

**Goals/Objectives/  
Strategies:**

- G 8
- O 8.2
- S 8.2.1
- O 8.4
- S 8.4.8
- G 9
- O 9.2
- S 9.2.1
- G 10
- O 10.1
- S 10.1.9
- G 11
- O 11.3
- S 11.3.7
- S 11.3.9
- S 11.3.11

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning		\$35,000	\$35,000	\$35,000	\$35,000	\$35,000		\$175,000
Land								\$0
Construction		\$100,000	\$100,000	\$100,000	\$100,000	\$100,000		\$500,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$0</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$0</b>	<b>\$675,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue		\$135,000	\$135,000	\$135,000	\$135,000	\$135,000		\$675,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$0</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$135,000</b>	<b>\$0</b>	<b>\$675,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Stormwater Improvement Plan

**Project Code:** PWSWPL02

**Project Priority:** Priority 2

**Project Type:** NEW

**Start Date (FYE):** 2017

**Department:** 910541

**Status:** Active

**Completion Date (FYE):** 2019

**Description:**

Development of comprehensive stormwater improvement plan that identifies drainage areas within the City, major outfalls for those drainage areas, and provide planning for TMDL pollutant reductions. Outcome of plan will be a prioritized list of water quality improvement projects. Beyond funding is shown for the planned 5-yr update to the SWIP.

**Justifications:**

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

**Explanation:**

This is to assist the City in meeting the Chesapeake Bay and local Special Conditions of the MS4 permit.

**Alternative:**

None.

**Goals/Objectives/  
Strategies:**

- G 8
- O 8.2
- S 8.2.1
- G 9
- O 9.2
- S 9.2.1
- S 9.2.4
- G 10
- O 10.1
- S 10.1.9
- G 11
- O 11.3
- S 11.3.7
- S 11.3.9

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$200,000	\$100,000	\$50,000				\$250,000	\$600,000
Land								\$0
Construction								\$0
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$200,000</b>	<b>\$100,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$600,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$200,000	\$100,000	\$50,000				\$250,000	\$600,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$200,000</b>	<b>\$100,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$250,000</b>	<b>\$600,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>



## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** Waterman Drive Storm Drain Improvements

**Project Code:** PWSWPR01

**Project Priority:** Priority 2

**Project Type:** IMPROVEMENT

**Start Date (FYE):** 2019

**Department:** 910541

**Status:** Active

**Completion Date (FYE):** 2021

**Description:**

Improve storm drain system to reduce flooding of Waterman Drive and adjoining businesses. Also, to provide an outlet for stormwater from South Park View area. Coordinate project with Chicago Avenue Stree improvements PWSTP06A

**Justifications:**

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

**Explanation:**

Improvements to this storm drain are needed to help alleviate current flood issues in the Park View area.

**Alternative:**

None.

**Goals/Objectives/  
Strategies:**

- G 10
- O 10.1
- S 10.1.9

Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning			\$260,000					\$260,000
Land				\$750,000				\$750,000
Construction					\$2,600,000			\$2,600,000
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	\$0	\$0	\$260,000	\$750,000	\$2,600,000	\$0	\$0	\$3,610,000

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue			\$260,000	\$750,000	\$2,600,000			\$3,610,000
Enterprise Revenue								\$0
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	\$0	\$0	\$260,000	\$750,000	\$2,600,000	\$0	\$0	\$3,610,000

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0





## Capital Improvement Program FY2018 thru FY2022 Project Request Form

**Project Title:** North End Greenway Stream Restoration

**Project Code:** PWSWPR06

**Project Priority:** Priority 2

**Project Type:** NEW

**Start Date (FYE):** 2017

**Department:** 910541

**Status:** Active

**Completion Date (FYE):** 2018

**Description:**

This project will earn credit toward TMDL requirements of MS4 permit. It will restore a portion of Blacks Run parallel to the proposed North End Greenway shared use path.

**Justifications:**

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

**Explanation:**

Stream restoration has been shown to provide substantial sediment reductions and favorable cost efficiency when compared to other BMPS.

**Alternative:**

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

**Goals/Objectives/  
Strategies:**

- G 8
- O 8.2
- S 8.2.1
- S 8.2.2
- O 8.4
- S 8.4.2
- S 8.4.8

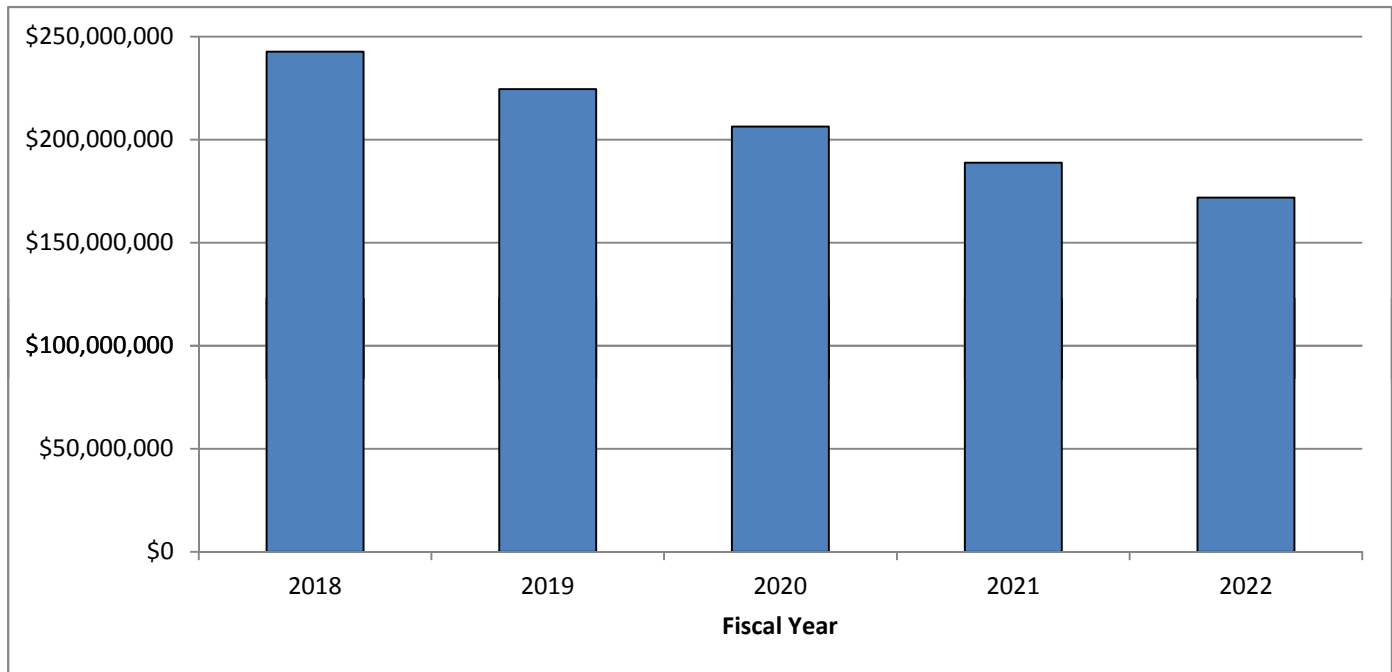
Expenditures:	Prior	2018	2019	2020	2021	2022	Future	Total
Planning	\$247,500							\$247,500
Land								\$0
Construction	\$577,500	\$825,000						\$1,402,500
Equipment								\$0
Other Expenses								\$0
<b>Total</b>	<b>\$825,000</b>	<b>\$825,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,650,000</b>

Funding Sources:	Prior	2018	2019	2020	2021	2022	Future	Total
General Revenue								\$0
Enterprise Revenue	\$825,000	\$825,000						\$1,650,000
Bond Proceeds								\$0
Grants								\$0
Capital Project Fund								\$0
Other Revenue								\$0
<b>Total</b>	<b>\$825,000</b>	<b>\$825,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,650,000</b>

Operating Impacts:	Prior	2018	2019	2020	2021	2022	Future	Total
Personnel								\$0
Operating								\$0
Capital								\$0
Offsets								\$0
<b>Total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

**CITY OF HARRISONBURG, VIRGINIA  
 EXISTING DEBT (PRINCIPAL AND INTEREST)  
 NEXT FIVE FISCAL YEARS**

<b>Beginning of Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total Debt Service</b>
2018	185,550,933	57,135,554	242,686,488
2019	174,168,067	50,283,305	224,451,371
2020	162,352,200	43,889,286	206,241,486
2021	150,715,333	37,976,427	188,691,760
2022	139,210,467	32,534,048	171,744,515



\*All outstanding debt as July 1, 2017.

City of Harrisonburg, Virginia  
General Fund  
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects  
For the Ten Year Period July 1, 2012 Through June 30, 2022

	Fiscal Years									
	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budgeted 2017	Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Estimated 2022
Amount from fund balance	7,039,135	5,324,108	10,198,989	2,483,149	-	-	-	-	-	-
Revenues:										
General property taxes	33,856,806	33,508,296	37,681,028	39,493,276	42,704,300	43,291,423	43,980,279	44,680,535	45,558,573	46,784,082
Other local taxes	34,218,779	35,669,089	37,968,995	39,854,862	41,263,158	42,303,017	43,494,722	44,582,317	45,840,045	46,990,015
Licenses, permits and privilege fees	536,966	455,595	507,263	446,923	476,600	484,460	492,525	500,804	508,396	516,137
Fines and forfeitures	565,287	746,430	538,218	580,946	585,000	585,000	595,000	605,200	615,604	626,216
Use of money and property	174,626	152,187	171,576	222,885	137,500	262,700	265,404	270,662	278,601	289,428
Charges for services	6,869,489	7,435,262	1,447,066	1,427,871	1,459,400	1,486,408	1,515,958	1,546,170	1,577,060	1,608,091
Miscellaneous revenues	5,308,050	5,565,495	5,149,815	5,336,096	5,336,500	5,357,600	5,359,292	5,361,011	5,363,506	5,366,050
Recovered costs	901,759	1,037,660	857,212	966,962	957,394	926,669	927,552	926,443	934,468	930,076
State revenue	9,284,997	9,857,031	10,152,578	11,098,030	9,870,533	10,068,617	10,193,939	10,321,646	10,451,787	10,584,410
Federal revenue	226,393	288,215	241,982	141,831	172,500	-	-	-	-	-
Non-revenue receipts	153,743	312,591	213,013	8,084	50,000	50,000	50,000	50,000	50,000	50,000
Debt proceeds	-	48,285,771	-	-	-	-	-	-	-	-
Transfers - Operating	1,658,472	1,726,416	1,777,920	2,646,800	1,846,800	1,883,736	1,921,411	1,959,839	1,999,036	2,039,016
Transfers - Other	-	-	-	-	-	-	-	-	-	-
Total revenue excluding fund balance	93,755,367	145,040,037	96,706,668	102,224,568	104,859,685	106,699,630	108,796,082	110,804,628	113,177,075	115,783,521
Expenditures:										
General government	4,150,409	4,544,707	4,634,385	5,003,396	5,537,319	5,663,609	5,818,083	5,976,805	6,139,893	6,307,468
Public safety	16,854,287	18,548,871	20,081,863	20,903,629	22,600,811	23,175,546	23,808,728	24,459,354	25,127,907	25,814,886
Public works	11,637,316	13,311,181	10,330,104	10,559,718	10,390,295	10,684,074	10,986,218	11,296,967	11,616,567	11,945,273
Health and welfare	794,301	880,991	985,078	1,178,650	1,273,070	1,311,262	1,350,600	1,391,118	1,432,852	1,475,837
Parks and recreation	4,724,400	4,705,090	4,817,765	4,991,265	5,196,476	5,339,173	5,485,820	5,636,529	5,791,412	5,950,587
Community development	2,975,639	3,006,932	3,019,487	3,320,692	3,550,055	3,652,715	3,758,359	3,867,073	3,978,948	4,094,076
Joint operations	6,243,855	6,688,284	7,589,337	7,801,667	8,553,210	8,809,806	9,074,100	9,346,324	9,626,713	9,915,515
Reserve for contingencies	-	-	-	-	227,000	-	-	-	-	-
Bond refunding issues	-	47,728,613	-	-	-	-	-	-	-	-
Debt service and fiscal charges	13,673,411	12,660,020	12,487,223	13,274,911	14,280,702	15,096,316	15,070,488	14,985,957	14,321,119	14,036,879
Transfers - Other than Schools	3,032,418	2,434,800	6,469,511	2,139,979	2,335,208	2,405,264	2,477,422	2,551,745	2,628,297	2,707,146
Transfers - Capital Projects	4,549,858	1,890,000	1,623,000	915,707	853,000	-	-	-	-	-
Transfers - Schools	26,318,211	27,344,636	29,636,860	29,895,539	30,062,539	30,964,415	31,893,348	32,850,148	33,835,652	34,850,722
Total expenditures	94,954,104	143,744,125	101,674,614	99,985,154	104,859,685	107,102,180	109,723,165	112,362,018	114,499,361	117,098,389
Capital outlay:										
General government	(226,065)	(559,589)	(398,194)	(538,703)	(544,569)	(536,135)	(552,219)	(568,785)	(585,849)	(603,424)
Public safety	(976,896)	(1,815,713)	(1,182,220)	(763,915)	(999,736)	(986,927)	(1,016,452)	(1,046,860)	(1,078,178)	(1,110,433)
Public works	(2,257,166)	(3,221,438)	(3,282,429)	(3,611,357)	(2,943,800)	(2,714,614)	(2,836,052)	(2,958,134)	(3,080,878)	(3,104,304)
Parks and recreation	(249,023)	(275,293)	(97,986)	(165,560)	(62,260)	(64,128)	(66,052)	(68,033)	(70,074)	(72,176)
Community development	(16,227)	(16,753)	(15,998)	(16,945)	(40,650)	(41,827)	(43,038)	(44,285)	(45,568)	(46,888)
Total Capital outlays	(3,725,377)	(5,888,786)	(4,976,827)	(5,096,481)	(4,591,015)	(4,343,631)	(4,513,813)	(4,686,097)	(4,860,546)	(4,937,226)
Transfers to Capital projects	(4,954,058)	(1,890,000)	(3,223,000)	(915,707)	(853,000)	-	-	-	-	-
Total cap outlays & trans to cap proj.	(8,679,435)	(7,778,786)	(8,199,827)	(6,012,188)	(5,444,015)	(4,343,631)	(4,513,813)	(4,686,097)	(4,860,546)	(4,937,226)
Exp other than cap outlays & cap pj	86,274,669	135,965,339	93,474,787	93,972,966	99,415,670	102,758,549	105,209,353	107,675,922	109,638,815	112,161,163
<b>Cash/Funds Avail for CO &amp; Cap Proj</b>	<b>7,480,699</b>	<b>9,074,698</b>	<b>3,231,880</b>	<b>8,251,601</b>	<b>5,444,015</b>	<b>3,941,080</b>	<b>3,586,729</b>	<b>3,128,706</b>	<b>3,538,260</b>	<b>3,622,358</b>

City of Harrisonburg, Virginia  
Water Fund  
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects  
For the Ten Year Period July 1, 2011 Through June 30, 2021

	Fiscal Years									
	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budgeted 2017	Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Estimated 2022
Amount from fund balance	-	367,625	71,545	124,798	-	-	-	-	-	-
Revenues:										
License permits & privilege fees	199,500	243,867	259,500	184,900	200,000	200,000	200,000	200,000	200,000	200,000
Use of money and property	28,936	26,428	24,159	73,352	38,000	82,080	82,080	82,080	82,080	82,080
Charges for services	5,847,064	6,119,344	6,335,852	6,759,919	7,077,120	7,439,499	7,588,289	7,740,055	7,894,856	8,052,753
Miscellaneous	19,705	46,293	4,414	14,115	5,000	5,000	5,000	5,000	5,000	5,000
Recovered costs	21,609	33,411	31,585	49,153	25,000	25,000	25,000	25,000	25,000	25,000
Transfers - Depreciation, etc.	2,166,636	1,867,791	1,859,205	1,883,544	1,928,478	1,967,048	2,006,389	2,046,516	2,087,447	2,129,196
Transfers - General Fund	30,142	-	15,658	-	-	-	-	-	-	-
Premium on sale of bonds	-	-	-	-	-	-	-	-	-	-
Proceeds from debt	-	-	-	-	-	-	-	-	-	-
Total revenue excluding fund balance	8,313,592	8,337,134	8,530,374	8,964,982	9,273,598	9,718,627	9,906,758	10,098,651	10,294,383	10,494,029
Expenditures:										
Personal service	1,421,567	1,530,721	1,573,643	1,659,160	1,824,759	1,879,502	1,926,489	1,974,652	2,024,018	2,074,618
Fringe benefits	510,759	489,454	535,229	585,943	649,579	669,066	685,793	702,938	720,511	738,524
Purchased services	174,076	161,002	184,853	188,609	223,091	229,784	236,677	243,778	251,091	258,624
Internal services	22,713	19,331	15,007	12,847	17,200	17,716	18,247	18,795	19,359	19,940
Other charges	415,918	491,059	485,212	494,168	520,162	535,767	551,840	568,395	585,447	603,010
Materials and supplies	266,116	415,334	287,475	266,887	338,965	349,134	359,608	370,396	381,508	392,953
Depreciation	2,166,636	1,867,791	1,859,205	1,883,544	1,928,478	1,967,048	2,006,389	2,046,516	2,087,447	2,129,196
Payment in lieu of taxes	480,924	515,658	483,069	502,902	503,034	513,095	523,357	533,824	544,500	555,390
Capital outlay	115,355	127,645	86,491	156,542	419,000	431,570	444,517	457,853	471,588	485,736
Debt service and fiscal charges	764,178	779,403	784,420	779,795	1,054,665	1,057,655	1,061,214	1,058,808	1,057,560	1,058,221
Bond refunding issue	-	-	-	-	-	-	-	-	-	-
Transfers - Capital projects	177,569	700,000	617,485	815,000	725,000	-	-	-	-	-
Transfers - Other	948,638	987,691	1,016,607	1,063,488	1,069,665	1,101,755	1,134,808	1,168,852	1,203,917	1,240,035
Total expenditures	7,464,449	8,085,089	7,928,696	8,408,884	9,273,598	8,752,091	8,948,939	9,144,805	9,346,946	9,556,247
Capital outlays	(115,355)	(127,645)	(86,491)	(156,542)	(419,000)	(431,570)	(444,517)	(457,853)	(471,588)	(485,736)
Transfers - Capital Projects	(177,569)	(700,000)	(617,485)	(815,000)	(725,000)	-	-	-	-	-
<b>Cash/Funds Avail for CO &amp; Cap Proj</b>	<b>1,142,067</b>	<b>1,079,690</b>	<b>1,305,653</b>	<b>1,527,640</b>	<b>1,144,000</b>	<b>1,398,106</b>	<b>1,402,336</b>	<b>1,411,699</b>	<b>1,419,025</b>	<b>1,423,518</b>

City of Harrisonburg, Virginia  
Sewer Fund  
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects  
For the Ten Year Period July 1, 2011 Through June 30, 2021

	Fiscal Years									
	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budgeted 2017	Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Estimated 2022
Amount from fund balance	285,626	346,871	257,166	709,315	1,180,834	-	-	-	-	-
Revenues:										
License permits and privilege fees	255,000	732,500	388,500	275,000	225,000	225,000	225,000	225,000	225,000	225,000
Use of money and property	7,273	4,692	4,399	13,792	7,000	28,000	49,000	49,000	49,000	49,000
Charges for services	8,997,296	9,641,809	9,874,734	10,232,221	10,228,720	10,485,832	10,695,248	10,919,533	11,137,624	11,360,077
Miscellaneous	9,051	12,900	2,550	1,660	1,000	1,000	1,000	1,000	1,000	1,000
Recovered costs	30,925	25,086	31,188	33,254	20,000	20,000	20,000	20,000	20,000	20,000
Transfers - Depreciation, etc.	1,451,256	1,397,508	1,406,250	1,408,410	1,423,152	1,437,384	1,466,131	1,495,454	1,525,363	1,555,870
Transfers - General Fund	24,760	-	11,711	-	-	-	-	-	-	-
Transfers - Capital projects	344,195	-	-	-	-	-	-	-	-	-
Total revenue excluding fund balance	11,119,756	11,814,496	11,719,332	11,964,337	11,904,872	12,197,215	12,456,379	12,709,987	12,957,987	13,210,947
Expenditures:										
Personal service	1,031,008	1,038,861	1,040,615	1,085,078	1,291,740	1,324,034	1,357,134	1,391,063	1,425,839	1,461,485
Fringe benefits	355,541	379,940	386,931	430,380	487,083	499,260	511,742	524,535	537,648	551,090
Purchased services	56,863	71,630	56,333	50,980	71,750	73,903	76,120	78,403	80,755	83,178
Internal services	186,534	193,356	192,244	179,270	184,500	190,035	195,736	201,608	207,656	213,886
Other charges	125,676	118,851	141,386	128,563	145,916	150,293	154,802	159,446	164,230	169,157
Materials and supplies	118,759	82,124	116,111	131,255	120,000	123,600	127,308	131,127	135,061	139,113
Depreciation	1,451,256	1,397,508	1,406,250	1,408,410	1,423,152	1,437,384	1,466,131	1,495,454	1,525,363	1,555,870
Payment to HRRSA - Operations	3,276,363	3,279,836	3,405,920	3,424,665	3,515,000	3,585,300	3,657,006	3,730,146	3,804,749	3,880,844
Payment to HRRSA - Debt service	2,824,053	2,814,570	2,742,164	2,803,927	2,870,000	2,870,000	2,870,000	2,870,000	2,870,000	2,870,000
Payment in lieu of taxes	314,256	313,782	318,888	311,046	325,890	332,408	339,056	345,837	352,754	359,809
Capital outlay	145,374	286,315	86,127	381,374	438,000	451,140	464,674	478,614	492,973	507,762
Transfers - Capital projects	300,000	400,000	400,000	425,000	1,275,000	-	-	-	-	-
Transfers - Other	840,342	874,788	900,834	936,432	937,675	938,103	966,246	995,234	1,025,091	1,055,843
Total expenditures	11,026,026	11,251,561	11,193,804	11,696,380	13,085,706	11,975,459	12,185,956	12,401,468	12,622,120	12,848,037
Capital outlay	(145,374)	(286,315)	(86,127)	(381,374)	(438,000)	(451,140)	(464,674)	(478,614)	(492,973)	(507,762)
Transfers - Capital projects	(300,000)	(400,000)	(400,000)	(425,000)	(1,275,000)	-	-	-	-	-
<b>Cash/Funds Avail for CO &amp; Cap Proj</b>	<b>539,104</b>	<b>1,249,250</b>	<b>1,011,655</b>	<b>1,074,330</b>	<b>532,166</b>	<b>672,896</b>	<b>735,098</b>	<b>787,134</b>	<b>828,840</b>	<b>870,672</b>

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, 2011 Through June 30, 2021

	Fiscal Years									
	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budgeted 2017	Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Estimated 2022
Amount from fund balance	-	-	475,000	26,897	50,000	-	-	-	-	-
Revenues:										
Use of money and property	117	181	263	349	-	-	-	-	-	-
Charges for services	2,423,515	2,699,816	3,026,804	3,082,840	3,319,640	3,409,629	3,502,126	3,597,202	3,694,930	3,795,387
Miscellaneous	31,001	3,690	28,563	10,113	-	-	-	-	-	-
Transfers - General Fund	190,058	-	7,915	-	-	-	-	-	-	-
Transfers - Other Funds	105,000	-	-	-	-	-	-	-	-	-
Total revenue excluding fund balance	2,749,691	2,703,687	3,063,545	3,093,302	3,319,640	3,409,629	3,502,126	3,597,202	3,694,930	3,795,387
Expenditures:										
Personal service	1,251,990	1,164,496	1,260,884	1,303,114	1,525,051	1,563,177	1,602,257	1,642,313	1,683,371	1,725,455
Fringe benefits	456,522	444,161	506,930	530,358	589,875	604,622	619,737	635,231	651,112	667,389
Purchased services	39,851	31,354	34,027	47,055	63,200	65,096	67,049	69,060	71,132	73,266
Internal services	603,916	719,294	654,524	649,470	748,000	770,440	793,553	817,360	841,881	867,137
Other charges	100,239	100,758	99,703	94,529	98,714	101,675	104,726	107,867	111,103	114,437
Materials and supplies	27,767	21,298	19,531	12,357	17,300	17,819	18,354	18,904	19,471	20,055
Capital outlay	290,394	94,378	433,902	311,471	327,500	-	-	-	-	-
Transfers - Capital projects	-	-	225,000	-	-	-	-	-	-	-
Total expenditures	2,770,681	2,575,739	3,234,501	2,948,355	3,369,640	3,122,830	3,205,675	3,290,736	3,378,070	3,467,740
Capital outlay	(290,394)	(94,378)	(433,902)	(311,471)	(327,500)	-	-	-	-	-
Transfers - Capital projects	-	-	(225,000)	-	-	-	-	-	-	-
<b>Cash/Funds Avail for CO &amp; Cap Proj</b>	<b>269,404</b>	<b>222,326</b>	<b>487,946</b>	<b>456,418</b>	<b>277,500</b>	<b>286,800</b>	<b>296,451</b>	<b>306,466</b>	<b>316,860</b>	<b>327,647</b>

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, 2011 Through June 30, 2021

	Fiscal Years									
	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budgeted 2017	Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Estimated 2022
Amount from fund balance	72,986	90,139	460,365	81,098	-	-	-	-	-	-
Revenues:										
Use of money and property	92,380	79,790	112,601	81,763	90,000	90,000	91,800	93,636	95,509	97,419
Charges for service	1,652,818	1,768,085	1,802,811	1,798,093	1,820,436	1,855,315	1,890,891	1,927,179	1,964,192	2,001,946
Miscellaneous	13,036	20,609	16,309	39,656	-	-	-	-	-	-
Recovered costs	79	61,786	99,585	65,579	105,560	107,671	107,671	107,671	107,671	107,671
Intergovernmental revenue	2,340,054	3,360,394	3,633,814	2,698,187	3,154,032	3,630,710	5,825,562	6,230,841	3,253,270	6,208,272
Transfers - Depreciation, etc.	216,660	216,660	216,660	216,660	216,660	216,660	216,660	216,660	216,660	216,660
Transfers - General Fund	495,572	550,822	258,489	210,000	250,000	257,500	265,225	273,182	281,377	289,819
Total revenue excluding fund balance	4,810,599	6,058,147	6,140,269	5,109,937	5,636,688	6,157,856	8,397,809	8,849,169	5,918,680	8,921,787
Expenditures:										
Personal service	1,702,593	1,820,453	2,006,588	2,114,232	2,250,204	2,317,710	2,375,653	2,435,044	2,495,920	2,558,318
Fringe benefits	360,596	436,591	496,286	568,404	586,968	604,577	619,691	635,184	651,063	667,340
Purchased services	91,404	89,197	114,359	124,316	121,100	124,733	128,475	132,329	136,299	140,388
Internal services	1,307,074	1,245,808	1,278,480	1,169,438	1,466,200	1,510,186	1,555,492	1,602,156	1,650,221	1,699,728
Other charges	230,070	249,716	254,040	246,022	323,856	333,572	343,579	353,886	364,503	375,438
Materials and supplies	21,858	41,027	37,599	64,996	49,700	51,191	52,727	54,309	55,938	57,616
Depreciation	216,660	216,660	216,660	216,660	216,660	216,660	216,660	216,660	216,660	216,660
Capital outlay	966,214	1,390,347	1,810,568	482,052	622,000	890,000	3,165,750	3,536,523	307,318	3,388,138
Transfers - Capital projects	-	-	339,809	-	-	-	-	-	-	-
Total expenditures	4,896,469	5,489,797	6,554,390	4,986,120	5,636,688	6,048,629	8,458,026	8,966,091	5,877,923	9,103,625
Capital outlay	(966,214)	(1,390,347)	(1,810,568)	(482,052)	(622,000)	(76,900)	(214,150)	(237,123)	(44,118)	(229,738)
Transfers - Capital projects	-	-	(339,809)	-	-	-	-	-	-	-
<b>Cash/Funds Avail for CO &amp; Cap Proj</b>	<b>880,344</b>	<b>1,958,696</b>	<b>1,736,257</b>	<b>605,870</b>	<b>622,000</b>	<b>186,127</b>	<b>153,933</b>	<b>120,201</b>	<b>84,875</b>	<b>47,899</b>

City of Harrisonburg, Virginia  
Sanitation Fund  
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects  
For the Ten Year Period July 1, 2011 Through June 30, 2021

	Fiscal Years									
	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budgeted 2017	Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Estimated 2022
Amount from fund balance	3,436,864	3,234,534	248,822	3,351,213	998,027	-	-	-	-	-
Revenues:										
Use of money and property	13,325	9,248	4,975	9,657	6,000	6,060	6,181	6,305	6,431	6,560
Charges for services	5,122,442	3,951,937	5,521,920	4,217,377	4,220,000	4,262,200	4,304,822	4,347,870	4,391,349	4,435,262
Miscellaneous	1,240	580	61,205	36,307	25,000	-	-	-	-	-
Recovered costs:										
JMU (CISAT Operating)	904,478	1,516,654	1,307,984	852,606	577,392	-	-	-	-	-
JMU (CISAT Bond Payment)	468,794	463,750	463,253	465,184	-	-	-	-	-	-
JMU (Chiller Bond Payment)	123,725	120,075	116,425	112,775	109,125	105,475	101,825	-	-	-
Sale of RRF	-	-	-	-	2,500,000	-	-	-	-	-
Transfers - Depreciation, etc.	1,158,568	1,158,568	1,237,212	200,000	200,000	200,000	204,000	208,080	212,242	216,486
Transfers - General Fund	390,909	395,705	2,874,988	-	-	-	-	-	-	-
Total revenue excluding fund balance	8,183,480	7,616,516	11,587,962	5,893,907	7,637,517	4,573,735	4,616,828	4,562,255	4,610,021	4,658,308
Expenditures:										
Personal service	1,361,321	1,387,203	1,841,589	1,229,960	1,019,469	1,044,956	1,071,080	1,097,857	1,125,303	1,153,436
Fringe benefits	469,981	514,384	755,978	453,007	423,069	433,646	444,487	455,599	466,989	478,664
Purchased services	1,508,865	1,074,198	1,949,491	927,055	1,304,934	1,122,529	1,156,205	1,190,891	1,226,618	1,263,416
Internal services	87,048	56,280	201,894	157,572	144,844	149,189	153,665	158,275	163,023	167,914
Other charges	1,259,209	1,504,815	1,034,927	595,912	477,467	118,630	122,189	125,855	129,630	133,519
Materials and supplies	293,398	244,433	45,509	24,431	41,150	42,385	43,656	44,966	46,315	47,704
Depreciation	1,237,212	1,237,212	1,237,212	200,000	200,000	200,000	204,000	208,080	212,242	216,486
Capital outlay	214,774	216,800	385,903	92,259	250,000	257,500	265,225	273,182	281,377	289,819
Debt service and fiscal charges	2,408,367	2,655,706	2,650,970	2,644,715	2,174,611	2,167,313	2,164,350	1,591,129	1,587,066	1,583,111
Transfers - Capital projects	1,150,000	400,000	500,000	2,075,517	2,600,000	-	-	-	-	-
Total expenditures	9,990,175	9,291,030	10,603,473	8,400,427	8,635,544	5,536,147	5,624,857	5,145,833	5,238,563	5,334,069
Capital outlay	(214,774)	(216,800)	(385,903)	(92,259)	(250,000)	(257,500)	(265,225)	(273,182)	(281,377)	(289,819)
Transfers - Capital projects	(1,150,000)	(400,000)	(500,000)	(2,075,517)	(2,600,000)	-	-	-	-	-
<b>Cash/Funds Avail for CO &amp; Cap Proj</b>	<b>(441,920)</b>	<b>(1,057,714)</b>	<b>1,870,392</b>	<b>(338,744)</b>	<b>1,851,973</b>	<b>(704,912)</b>	<b>(742,804)</b>	<b>(310,396)</b>	<b>(347,165)</b>	<b>(385,943)</b>



City of Harrisonburg, Virginia  
Stormwater Fund  
Schedule of Cash/Funds Available for Capital Outlays and Capital Projects  
For the Ten Year Period July 1, 2011 Through June 30, 2021

	Fiscal Years									
	Actual 2013	Actual 2014	Actual 2015	Actual 2016	Budgeted 2017	Estimated 2018	Estimated 2019	Estimated 2020	Estimated 2021	Estimated 2022
Amount from fund balance	-	-	-	-	343,405	-	-	-	-	-
Revenues:										
Use of money and property	-	-	-	1,581	-	2,000	2,040	2,081	2,122	2,165
Charges for services	-	-	-	2,261,632	1,309,613	1,309,613	1,309,613	1,309,613	1,309,613	1,309,613
Miscellaneous	-	-	-	-	-	-	-	-	-	-
Recovered costs	-	-	-	-	-	-	-	-	-	-
Intergovernmental revenue	-	-	-	-	-	-	-	-	-	-
Transfers - Depreciation, etc.	-	-	-	-	-	-	-	-	-	-
Transfers - General Fund	-	-	-	-	-	-	-	-	-	-
Total revenue excluding fund balance	-	-	-	2,263,213	1,309,613	1,311,613	1,311,653	1,311,694	1,311,735	1,311,778
Expenditures:										
Personal service	-	-	-	49,118	160,741	165,563	170,530	175,646	180,915	186,343
Fringe benefits	-	-	-	15,100	57,135	58,849	60,615	62,433	64,306	66,235
Purchased services	-	-	-	119,888	326,450	336,244	346,331	356,721	367,422	378,445
Internal services	-	-	-	3,797	7,000	7,210	7,426	7,649	7,879	8,115
Other charges	-	-	-	6,437	14,392	14,824	15,268	15,727	16,198	16,684
Materials and supplies	-	-	-	4,963	12,300	12,669	13,049	13,441	13,844	14,259
Depreciation	-	-	-	-	-	-	-	-	-	-
Capital outlay	-	-	-	274,381	250,000	255,000	262,650	270,530	278,645	287,005
Transfers - Capital projects	-	-	-	502,802	825,000	-	-	-	-	-
Transfers - General Fund	-	-	-	-	-	-	-	-	-	-
Total expenditures	-	-	-	976,486	1,653,018	850,359	875,869	902,145	929,210	957,086
Capital outlay	-	-	-	(274,381)	(250,000)	(255,000)	(262,650)	(270,530)	(278,645)	(287,005)
Transfers - Capital projects	-	-	-	(502,802)	(825,000)	-	-	-	-	-
<b>Cash/Funds Avail for CO &amp; Cap Proj</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,063,910</b>	<b>731,595</b>	<b>716,254</b>	<b>698,434</b>	<b>680,078</b>	<b>661,171</b>	<b>641,697</b>