

FREDERICK COUNTY, VIRGINIA 2023-2028 CAPITAL IMPROVEMENT PLAN



Adopted by the
Frederick County
Board of Supervisors
September 27, 2023

Recommended by the
Frederick County
Planning Commission
February 15th, 2023

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**CAPITAL IMPROVEMENTS PLAN
FREDERICK COUNTY
FY 2023-2028**

INTRODUCTION

Section §15.2-2239 of the Code of Virginia assigns the responsibility for preparation of plans for capital outlays to the local Planning Commissions. The Capital Improvements Plan (CIP) consists of a schedule for major capital expenditures for the County for the ensuing five years.

The CIP is updated annually. Projects are removed from the plans as they are completed or as priorities change. The plan is intended to assist the Board of Supervisors in preparation of the County budget. In addition to determining priorities for capital expenditures, the County must also ensure that projects contained within the CIP conform to the Comprehensive Plan. Specifically, the projects are reviewed with considerations regarding health, safety, and the general welfare of the public, and the policies of the Comprehensive Plan. Once the CIP is adopted, it becomes a component of the Comprehensive Plan and provides a link between the documents and potential proffered contributions made with future rezoning projects.

The inclusion of projects to the CIP is in no way an indication that Frederick County will be undertaking these projects. The CIP is strictly advisory; it is intended for use, as a capital facilities planning document, not for requesting funding allocations. Once adopted, project priorities may change throughout the year based on changing circumstances. It is also possible that projects may not be funded during the year that is indicated in the CIP. The status of any project becomes increasingly uncertain the further in the future it is projected.

PROJECT RECOMMENDATIONS

Frederick County Public Schools

Frederick County Public Schools continues to commence and complete capital projects that have been priorities from previous years. The top capital improvement priority in the plan this year is the fourth high school. The renovation and expansion of Sherando and Millbrook High School are also key priorities, and Armel and Apple Pie Ridge Elementary slated for similar projects.

Parks & Recreation

The top capital improvement priority for Parks and Recreation is the Abrams Creek Greenway Trail. This facility would provide recreational opportunities for residents of this corridor along with the surrounding communities and was emphasized in the Senseny/Eastern Frederick Urban Areas Plan. Other top priorities include the Old Charlestown Road Park development, and Sherando Softball Complex.

Handley Regional Library

The Handley Regional Library recommends three projects. The library's top priority is a new library branch in the Gainesboro area. The second and third priorities are for new library branches throughout the County which include the areas of Senseny/Greenwood Road and Route 522 South; both of which are anticipated to be located within the UDA (Urban Development Area) in locations consistent with the approved area plans - the Senseny/Eastern Frederick Area Plan, and the Southern Frederick Area Plan.

County Administration

There is one request from Public Works—the Double Toll Gate Convenience Site.

County Administration projects continue to be the County Office Annex (Former Sunnyside Plaza Shopping Center), the joint County Administration and School Administration Building and the future replacement of the Joint Judicial Center. General Government Capital Expenditures is also included. This item addresses those general government capital expenditures that may fall below the established \$100,000 departmental threshold.

Fire and Rescue

The top project for Fire and Rescue is the construction of Fire & Rescue Station #22, a new facility located in the vicinity of Route 277 also identified as a priority is the apparatus needed for this facility. Project two includes the acquisition of a new apparatus for Station 21, and project three is the construction of Station #23, a new facility located in the vicinity of Crosspointe with the necessary apparatus.

Fire and Rescue Volunteer Company Capital Equipment Requests

The revolving fund in the amount of \$1,000,000 for the benefit of Fire and Rescue Services was established and remains a component of the CIP. This capital expenditure fund is for purchasing additional and replacement vehicles and equipment that may fall below the \$100,000 guideline established by the Finance Committee. It was determined that the inclusion of such a priority would be beneficial in ensuring that significant capital expenses are identified in the County's capital planning and budget process. This project is primarily for the benefit of the individual Volunteer Fire and Rescue Companies. Also included are individual project and priorities from the volunteer stations.

Sheriff's Office

The Sheriff's Office has included two projects in their CIP. The top project is the construction of an eight-bay steel building for housing of large, specialized vehicles that require coverage, and their other project is a firearms training simulator.

Public Safety Communications

The Project 25 Public Safety Radio Network is the top public safety – communications priority. This project includes the purchase, construction, and deployment of Association of Public-Safety Communications Officials (APCO) International Project 25 (P25) radio communications system to support mission-critical public safety communications within the County. This system will provide radio and paging communications for the Frederick County Sheriff's Department, Frederick County Fire & Rescue, Volunteer Fire & Rescue Companies, and the Department of Public Safety Communications. This project is currently underway.

Transportation Committee

The Transportation Committee continues to provide project requests for the CIP. Virginia State Code allows for transportation projects to be included within a locality's CIP. Funding for transportation project requests will likely come from a combination of state funds, developers, revenue sharing, various other revenue programs and possibly local funds used to leverage those funding sources.

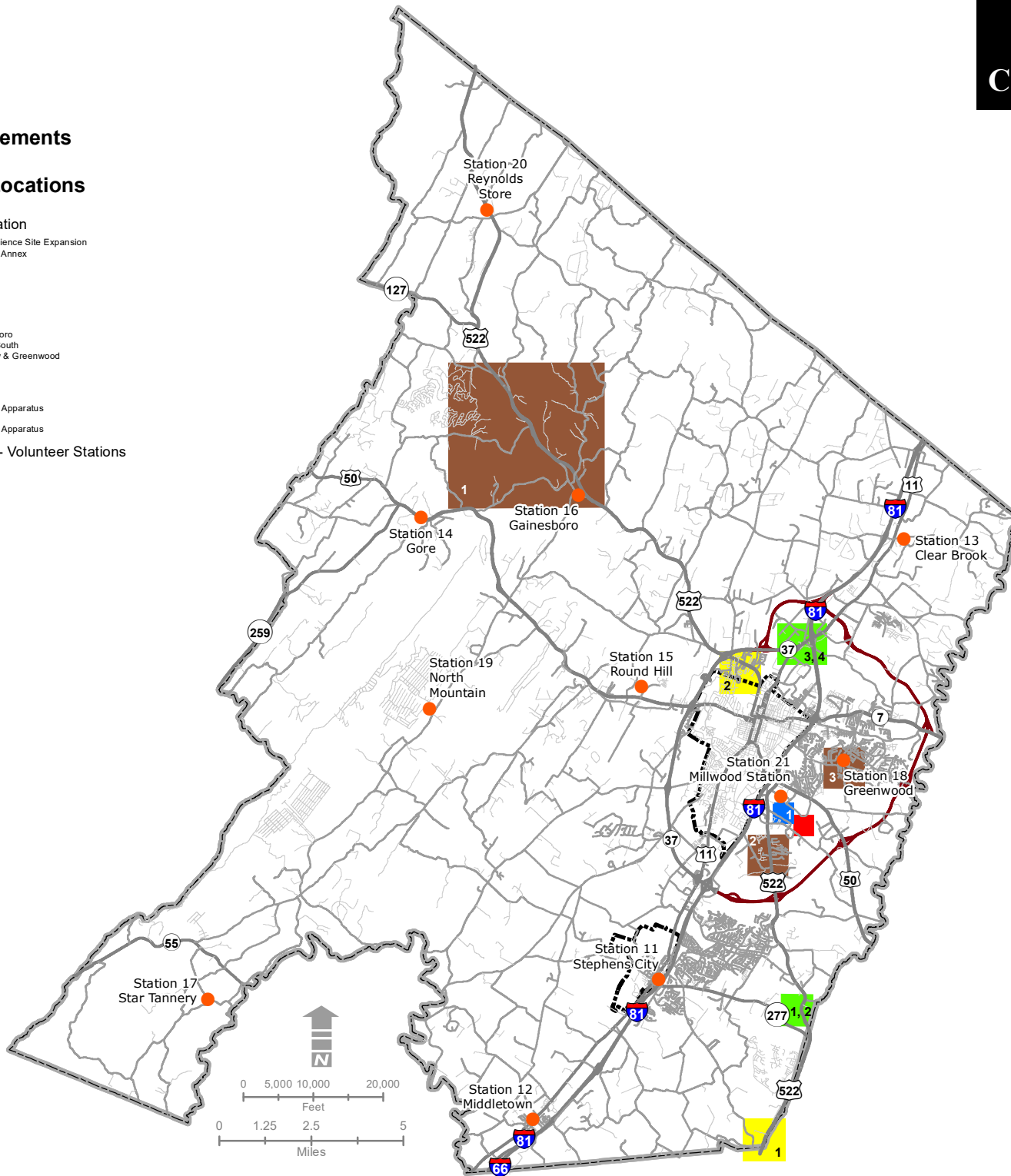
The Transportation Committee has included 27 priority projects. As projects and applications are developed, they could include all or a key portion of a prioritized project. The top three priorities include Exit 313 Bridge Replacement and Capacity Improvements, Renaissance Drive (Phase 2), and the Route 277 turn lane extension at Warrior Drive. The inclusion of the Eastern Road Plan Improvements item at number 28 once again emphasizes the connection between the CIP and potential proffered contributions made with rezoning projects which are aimed at mitigating potential transportation impacts identified in the Comprehensive Plan.

Winchester Regional Airport

Funding for airport projects is derived through a complex formula where federal and state governments contribute a majority of the funding, with Frederick County and other jurisdictions providing the remaining funding. The construction of a new aviation terminal to support future airport operations continues to be number one in the CIP, followed by the Taxiway "A" Relocation (design/construction). Other projects focus on land and easement acquisition in support of airport development to meet Federal Aviation requirements. The vast majority of the funding for these improvements comes from the FAA and VDA.

**2023 - 2028
Capital Improvements
Specific or
Approximate Locations**

- County Administration**
 - 1 Double Toll Gate Convenience Site Expansion
 - 2 Sunnyside County Office Annex
- Airport**
- Library**
 - 1 Library Branch - Gainesboro
 - 2 Library Branch - Rt 522 South
 - 3 Library Branch - Senseny & Greenwood
- Fire & Rescue**
 - 1 Fire & Rescue Station 22
 - 2 Fire & Rescue Station 22 Apparatus
 - 3 Fire & Rescue Station 23
 - 4 Fire & Rescue Station 23 Apparatus
- Fire & Rescue - Volunteer Stations**
- Sheriff's Office**
 - 1 Steel Building



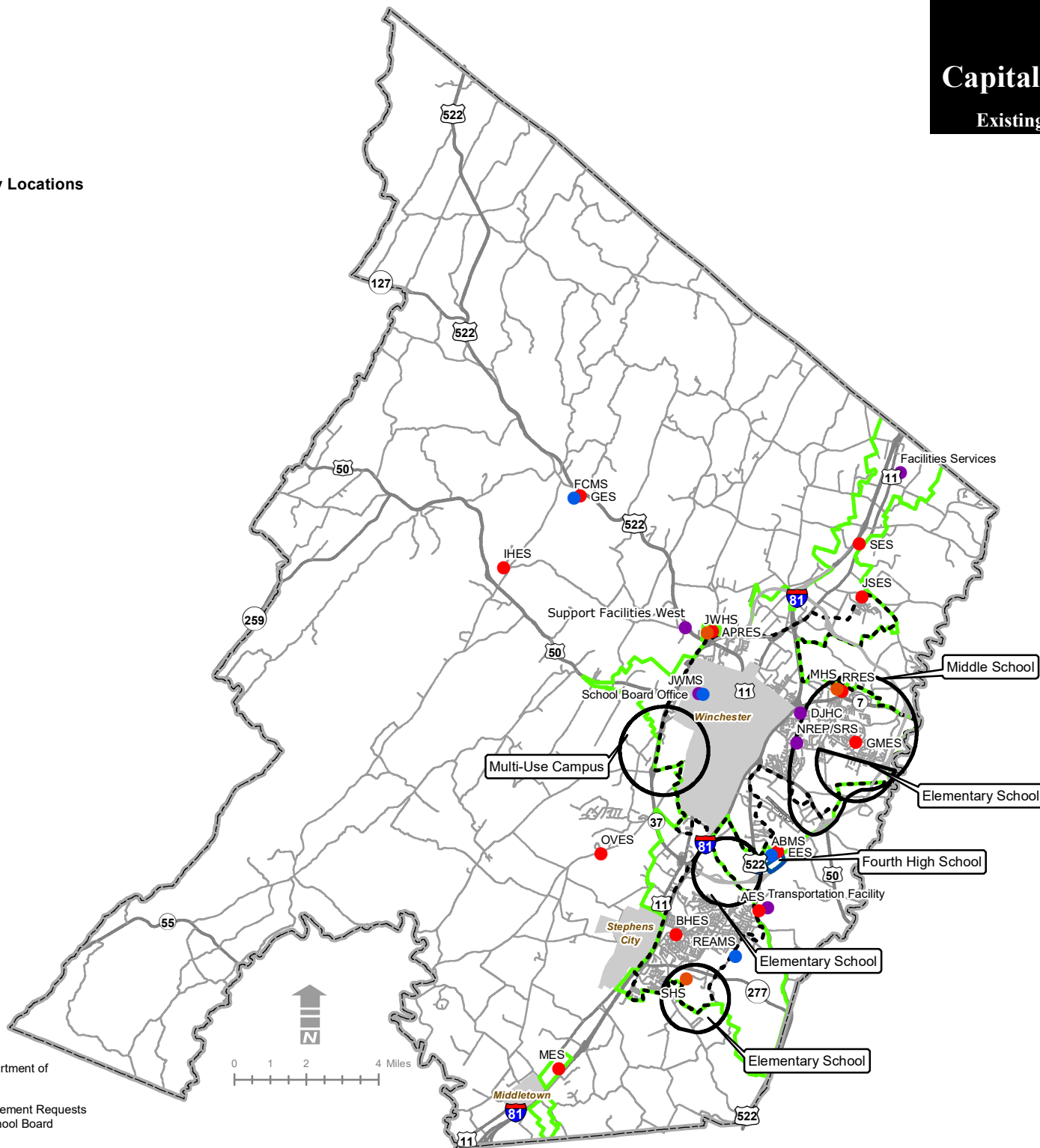
2023 - 2028 Frederick County Capital Improvements Plan

Existing and Potential School Locations

- High Schools
- Middle Schools
- Elementary Schools
- Support Facilities

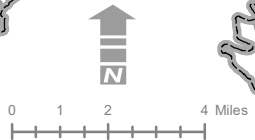
Potential School Facility Locations

- Potential School Locations
- Purchased Land
- Urban Development Area
- SWSA



Note:
Created by Frederick County Department of
Planning & Development




Map represents the Capital Improvement Requests
submitted by Frederick County School Board
02/01/23






School Locations
Are Most
Appropriate
Within the UDA

2023 - 2028 Frederick County Capital Improvements Plan New Parks/Rec Locations










Proposed Parks

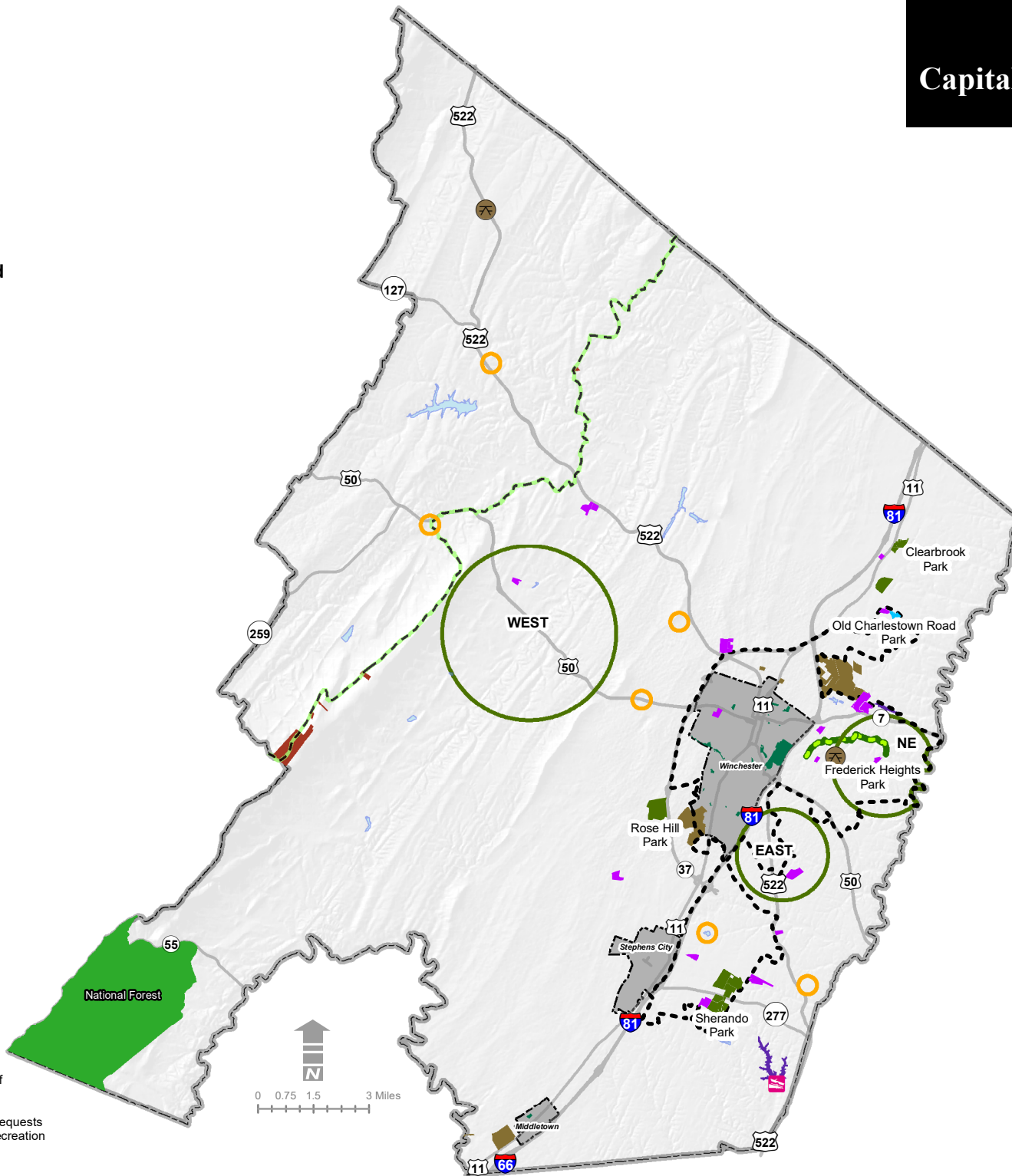
-  District
-  Neighborhood
-  Abrams Creek Trail

Existing County Parks

-  District Park
-  Community Park
-  Neighborhood Park

Publicly Accessible Land

-  Federal
-  State
-  Battlefield
-  Non-Profit
-  Local Park
-  Tuscarora Trail
-  School
-  Public Boat Launch
-  Urban Development Area











Note:
Created by Frederick County Department of
Planning & Development

Map represents the Capital Improvement Requests
submitted by the Department of Parks & Recreation
02/01/2023























2023 - 2028 Frederick County Capital Improvement Plan Transportation Projects

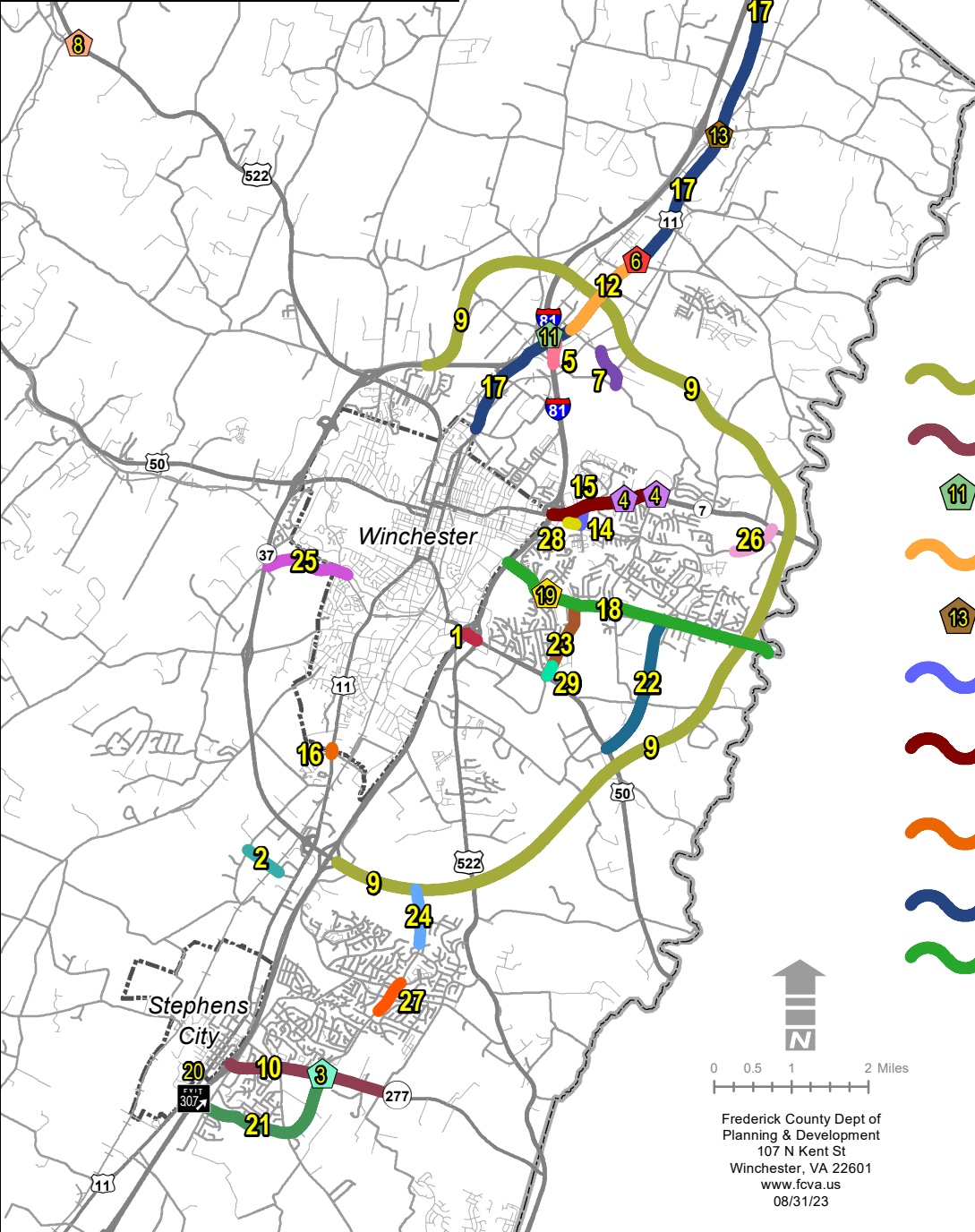
2023 - 2028 Capital Improvement Plan Transportation Projects


Funded Priorities

-  1. EXIT 313 BRIDGE REPLACEMENT & CAPACITY IMPROVEMENTS
-  2. RENAISSANCE DR, PHASE 2
-  3. ROUTE 277; RT TURN LANE EXTENSION AT WARRIOR DR
-  4. ROUTE 7 STARS STUDY PROJECT
-  5. EXIT 317 INTERCHANGE RAMP REALIGNMENT
-  6. ROUTE 11 AT OLD CHARLESTOWN RD ROUNDABOUT
-  7. REDBUD RD REALIGNMENT
-  8. GAINESBORO RD AT ROUTE 522 INTERSECTION UPGRADE

Unfunded Priorities

-  9. CONTINUE ROUTE 37 PLANNING & ENGINEERING WORK
-  10. ROUTE 277 WIDENING & SAFETY IMPROVEMENTS (PH 2)
-  11. EXIT 317 INTERCHANGE UPGRADE
-  12. ROUTE 11 N WIDENING FROM SNOWDEN BRIDGE BLVD TO OLD CHARLESTOWN RD, PHASE 1
-  13. BRUCETOWN RD/HOPEWELL RD; ALIGNMENT AND INTERSECTION
-  14. VALLEY MILL RD REALIGNMENT (WEST)
-  15. ROUTE 7 CORRIDOR IMPROVEMENTS FROM EXIT 315 TO GREENWOOD RD
-  16. ROUTE 11 S WIDENING & INTERSECTION IMPROVEMENTS FROM CITY LIMITS TO OPEQUON CHURCH LN
-  17. ROUTE 11 N OF WINCHESTER WIDENING TO WV LINE, PHASE 2
-  18. SENSENY RD WIDENING
-  19. SENSENY RD; TURN LANES AT CRESTLEIGH DR
-  20. I-81 EXIT 307 RELOCATION
-  21. WARRIOR DR EXTENSION TO NEW EXIT 307
-  22. CHANNING DR EXTENSION TO ROUTE 50
-  23. INVERLEE WAY; CONNECTION FROM SENSENY RD TO ROUTE 50
-  24. WARRIOR DR EXTENSION FROM ROUTE 37
-  25. JUBAL EARLY DR EXTENSION AND INTERCHANGE WITH ROUTE 37
-  26. VALLEY MILL RD REALIGNMENT (EAST)
-  27. WARRIOR DR PEDESTRIAN IMPROVEMENTS
-  28. VALLEY MILL RD PEDESTRIAN IMPROVEMENTS
-  29. INVERLEE WAY PEDESTRIAN IMPROVEMENTS
-  30. EASTERN ROAD PLAN IMPROVEMENTS




 0 0.5 1 2 Miles
 Frederick County Dept of
 Planning & Development
 107 N Kent St
 Winchester, VA 22601
 www.fcva.us
 08/31/23

THE CIP TABLES - CONTENT DESCRIPTIONS

The Capital Improvements Plan tables, on the following four pages, contains a list of the capital improvement projects proposed for the ensuing five years. A description of the information in this table is explained below.

Projects Ranked by Department - The priority rating assigned by each agency or department for their requested projects.

County Contribution - The estimated dollar value that will be contributed for each project. This value is listed by individual fiscal years and by total contributions over the five-year period. The total contribution column, located to the right of the fiscal year column, does not include debt service projections.

Notes - Indicates the footnotes that apply to additional funding sources for particular projects.

Total Project Costs - The cost for each project, including the County allocations and other funding sources.

PROJECT FUNDING

The projects included in Table 1 have a total projected cost to the County of \$566,733,129, this figure excludes Airport requests and transportation projects as these are primarily funded through other sources. Additionally, over the ensuing five year period the plan calls for approximately \$469,669,051 worth of potential projects. However, it should be noted it is not a fiscally constrained plan, and is not a commitment to fund any of the listed projects.

While the CIP is primarily used to cover the next five years, much of the project costs have been identified beyond the next five years.

- School projects are funded through a combination of loans from the Virginia Public School Authority and the Virginia Literary Fund.
- Funding for Parks and Recreation Department projects will come from the unreserved fund balance of the County. The Parks and Recreation Commission actively seeks grants and private sources of funding for projects not funded by the County.
- The inclusion of transportation projects to the CIP is in no way an indication that Frederick County will be undertaking these projects. Funding projects will continue to come from a combination of local, state, and federal funds, developer contributions, and revenue sharing.

- Airport projects will be funded by contributions from the federal, state, and local governments. The local portion may include contributions from Frederick, Clarke, Shenandoah, Warren Counties, and the City of Winchester.

Table 1 - 2023-2028 Capital Improvement Plan Requests

		Contribution Per Fiscal Year					Long Range Comprehensive Plan Projects	County Contributions	Notes	Total Project Costs
	Projects - Ranked by Department	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028				
Department		Ensuing Fiscal Year	Year 2	Year 3	Year 4	Year 5	Beyond FY 2028			
Public Schools										
				<i>Please refer to the map identifying future school sites for additional school sites located throughout the County.</i>						
	Fourth High School		\$9,600,000	\$53,200,000	\$42,600,000	\$31,900,000		\$137,300,000		\$137,300,000
	Sherando High School Renovation/Expansion			\$8,800,000	\$48,700,000	\$38,900,000	\$29,200,000	\$125,600,000		\$125,600,000
	Sherando High Addition		\$5,000,000	\$15,000,000	\$10,000,000			\$30,000,000		\$30,000,000
	Millbrook High Addition					\$5,000,000	\$25,000,000	\$30,000,000		\$30,000,000
	Apple Pie Ridge Elementary School Phase 2 Renovation			\$2,000,000	\$16,900,000	\$10,100,000		\$29,000,000		\$29,000,000
	Annex Elementary School Renovation/Expansion		\$800,000	\$6,700,000	\$4,000,000			\$11,500,000		\$11,500,000
	Jordan Spring Elementary School Classroom Addition			\$400,000	\$3,300,000			\$3,700,000		\$3,700,000
	Onsite Traffic Safety Improvements			\$300,000	\$2,600,000			\$2,900,000		\$2,900,000
	Total	\$0	\$15,400,000	\$86,400,000	\$128,100,000	\$85,900,000	\$54,200,000	\$370,000,000		\$370,000,000
Parks & Recreation										
	Abrams Creek Greenway Trail		\$550,646	\$1,512,149			\$2,037,027	\$819,964	G	\$4,099,822
	Old Charlestown Road Park			\$3,862,740				\$1,931,370	G	\$3,862,740
	Sherando Park Softball Complex	\$15,000	\$973,800					\$988,800		\$988,800
	Community Center		\$1,125,122	\$10,126,098				\$11,251,220		\$11,251,220
	Playground Replacement	\$340,830	\$225,000	\$310,000				\$875,830		\$875,830
	Water Slide/Sprayground/Bld Renovation		\$115,736	\$1,041,621				\$1,157,357		\$1,157,357
	CB Park Development		\$227,220	\$227,220				\$454,440		\$454,440
	Gym Addition Jordan Springs Elem.			\$165,712	\$1,491,412			\$1,657,124		\$1,657,124
	Sherando Park Area 1 Rec Access Phase 2			\$159,487	\$1,435,385			\$1,594,872		\$1,594,872
	Sherando Park Area 3 Development			\$281,000	\$2,529,001			\$2,810,001		\$2,810,001
	Sherando Baseball Field Lighting Replacement			\$1,072,183				\$1,072,183		\$1,072,183
	Neighborhood Parks			\$588,386	\$588,386	\$1,176,772	\$3,530,317	\$5,883,861		\$5,883,861
	Regional Parks				\$3,596,893	\$3,596,893	\$10,790,678	\$17,984,464		\$17,984,464
	Indoor Aquatics Facility				\$2,492,495	\$22,432,457		\$24,924,952		\$24,924,952
	Indoor Ice Rink				\$1,357,209	\$12,214,880		\$13,572,089		\$13,572,089
	South Sherando Park Development						\$2,799,450	\$2,799,450		\$2,799,450
	National Guard Armory Gym Addition				\$715,743			\$715,743		\$715,743
	Sherando Park Area 1 & 2 Development					\$3,916,725		\$3,916,725		\$3,916,725
	Total	\$355,830	\$3,217,524	\$19,346,596	\$14,206,524	\$43,337,727	\$19,157,472	\$94,410,445		\$99,621,673
Regional Library										
	Gainesboro Library		\$162,773	\$1,407,000	\$237,022	\$134,688		\$1,941,483		\$1,941,483
	Senseny/Greenwood Library							TBD		TBD
	522 South Library							TBD		TBD
	Total	\$0	\$162,773	\$1,407,000	\$237,022	\$134,688		\$1,941,483		\$1,941,483
County Administration										
	Double Toll Gate Convenience Site	\$35,000	\$750,000					\$785,000	E	\$785,000
	County Office Annex (Sunnyside)							TBD		TBD
	General Government Capital Expenditures	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000		\$1,000,000		\$1,000,000
	County/School Board Administration Building							TBD		TBD
	Joint Judicial Center New Facility							TBD		TBD
	Total	\$235,000	\$950,000	\$200,000	\$200,000	\$200,000		\$1,785,000		\$1,785,000

		Contribution Per Fiscal Year								
	Projects - Ranked by Department	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	Long Range Comprehensive Plan Projects	County Contributions	Notes	Total Project Costs
Public Safety - Fire and Rescue, Sheriff's Office and Communications										
Fire & Rescue	Fire & Rescue Station 22			\$7,500,000				\$7,500,000		\$7,500,000
	Station 22 Apparatus			\$1,100,000			\$8,000,000	\$9,100,000		\$9,100,000
	Fire and Rescue Station 23						\$1,200,000	\$1,200,000		\$1,200,000
	Station 23 Apparatus				\$2,975,000					\$2,975,000
Capital Requests	Station Renovations	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$2,000,000			\$7,000,000
	Capital Requests	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000		\$1,000,000		\$1,000,000
	Total	\$1,200,000	\$1,200,000	\$9,800,000	\$4,175,000	\$1,200,000	\$11,200,000	18,800,000		\$28,775,000
Fire & Rescue Volunteer Company Capital Requests	Station 11 Apparatus/Vehicles	\$850,000	\$572,000	\$207,000	\$1,237,000	\$882,000	\$965,000			\$4,713,000
	Station 12 Building Expansion	\$3,000,000								\$3,000,000
	Station 12 Apparatus/Vehicles	\$400,000	\$0	\$0	\$775,000	\$0	\$0			\$1,175,000
	Station 13 Apparatus/Vehicles	\$775,000	\$0	\$650,000	\$400,000	\$0	\$0			\$1,825,000
	Station 14 Apparatus/Vehicles		\$650,000							\$650,000
	Station 15 Apparatus/Vehicles			\$775,000						\$775,000
	Station 16 Apparatus/Vehicles	\$2,450,000	\$0	\$0	\$0	\$775,000	\$0			\$3,225,000
	Station 18 Parking Lot Repair		\$150,000							\$150,000
	Station 18 Apparatus/Vehicles	\$0	\$400,000	\$775,000	\$400,000	\$0	\$0			\$1,575,000
	Station 19 Apparatus/Vehicles		\$650,000							\$650,000
	Station 20 Paving	\$200,000								\$200,000
	Station 20 Apparatus	\$775,000	\$1,200,000	\$0	\$650,000	\$0	\$0			\$2,625,000
	Station 21 Apparatus	\$775,000	\$0	\$1,600,000	\$0	\$0	\$0			\$2,375,000
	Station Renovations	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$2,000,000			\$7,000,000
	Wildland Replacement Vehicle					\$400,000				\$400,000
	Wildland Replacement Vehicle					\$400,000				\$400,000
	Wildland Replacement Vehicle					\$400,000				\$400,000
	Total	\$10,225,000	\$4,622,000	\$5,007,000	\$4,462,000	\$3,857,000	\$2,965,000	0		\$31,138,000
Sheriffs Office	Replacement Law Enforcement Vehicles	\$1,000,000	\$1,100,000	\$1,200,000	\$1,300,000	\$1,400,000	continuous	\$6,000,000		\$12,000,000
	Firearms Training Simulator	\$150,000						\$150,000		\$150,000
	Storage/Training Building	\$380,000						\$380,000		\$380,000
	Total	\$1,530,000	\$1,100,000	\$1,200,000	\$1,300,000	\$1,400,000	\$0	6,530,000		\$12,530,000
Communications	Project 25 Pubic Safety Radio Network		\$20,981,973					20,981,973		\$20,981,973
	Total	\$0	\$20,981,973	\$0	\$0	\$0	\$0	\$20,981,973		\$20,981,973
	Total of All Categories	\$13,545,830	\$47,634,270	\$123,360,596	\$152,680,546	\$136,029,415	\$87,522,472	\$514,448,901		\$566,773,129

Other Funding Sources:

E= Partial funding anticipated through development & revenue sources

TBD= To be Determined

G=Partial/full funding anticipated through grants

Table 2 - Transportation Projects - CIP Requests											
Contribution Per Fiscal Year											
Projects - Ranked by Agency	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027+	Long Range Comprehensive Plan Projects	County/VDOT/Private Contributions	Notes	Total Project Costs	
	Ensuing Fiscal Year	Year 2	Year 3	Year 4	Year 5	Beyond Year 6+					
Funded Priorities											
	Exit 313 Bridge Replacement and Capacity Improvements Renaissance Drive, Phase 2	\$38,422,650						\$38,422,650			
	Route 277 right turn extension Warrior Drive	\$4,655,857						\$4,655,857	E	\$4,655,857	
	Route 7 STARS Study Project	\$500,850						\$500,850		\$500,850	
	Exit 317 Interchange Ramp Realignment	\$1,050,000						\$1,050,000		\$1,050,000	
	Route 11 @ Old Charlestown Road Roundabout	\$7,103,494						\$7,103,494		\$7,103,494	
promoted from unfunded	Redbud Road Realignment	\$5,426,108						\$5,426,108	E	\$5,426,108	
	Gainsboro Road Intersection with Route 522 upgrade (design)	\$5,988,000						\$5,988,000	E	\$5,988,000	
		\$300,000						\$300,000		\$300,000	
Unfunded Priorities											
	Route 37 Engineering & Construction						\$851,681,250	\$851,681,250	E	\$851,681,250	
	Route 277, Fairfax Pike, Widening and Safety Improvements (ph 2)						\$0	\$0			
	Exit 317 Interchange Upgrade						\$28,876,025	\$28,876,025	E	\$28,876,025	
	Widening of Route 11 North (ph 1)						\$36,750,000	\$36,750,000		\$36,750,000	
	Brucetown/Hopewell Realign.						\$32,189,145	\$32,189,145	E	\$32,189,145	
	Valley Mill Road Realignment West						\$9,084,600	\$9,084,600	E	\$9,084,600	
	Route 7 Corridor Improvements Exit 315 to Greenwood Rd						\$0	\$0	E	TBD	
	Route 11 S Widening and Intersection Improvements from Winchester City Limits to Opequon Church Lane						\$5,407,500	\$5,407,500		\$5,407,500	
	Widening of Route 11 North (ph2)						\$4,053,228	\$4,053,228	E	\$4,053,228	
	Senseny Road Widening						\$218,030,400	\$218,030,400	E	\$218,030,400	
	Senseny Road turn lanes/improvements Crestleigh Drive						\$76,083,525	\$76,083,525	E	\$76,083,525	
	I-81 Exit 307 Relocation with 4 In connection to Double Church and Stephens City Bypass						\$2,894,102	\$2,894,102		\$2,894,102	
	Warrior Drive Extension (south)including Brandy Lane upgrade						\$266,014,654	\$266,014,654	E	\$266,014,654	
	Channing Drive Extension						\$53,372,025	\$53,372,025	E	\$53,372,025	
	Inverlee Way						\$51,100,875	\$51,100,875	E	\$51,100,875	
	Warrior Drive Extension (Crosspointe south)						\$31,001,197	\$31,001,197	E	\$31,001,197	
	Jubal Early Drive Extension and Interchange with Route 37						\$38,041,762	\$38,041,762	E	\$38,041,762	
	Warrior Drive Pedestrian Upgrades								E	TBD	
	Valley Mill Road Pedestrian Upgrades						\$2,194,598	\$2,194,598		\$2,194,598	
	Inverlee Way Pedestrian Upgrades						\$879,513	\$879,513		\$879,513	
	Eastern Road Plan Improvements						\$701,247	\$701,247		\$701,247	
Total		\$63,446,959	\$0	\$0	\$0	\$0	\$0	\$1,708,355,646	\$1,771,802,606	E	\$1,771,802,606

Other Funding Sources: E= Partial funding anticipated through development & revenue sources

The inclusion of transportation projects to the CIP is in no way an indication that Frederick County will be undertaking these projects. Funding projects will continue to come from a combination of state and federal funds, developer contributions, and revenue sharing

Table 3 - Winchester Reginal Airport CIP Requests									
Projects - Ranked by Agency	Contribution Per Fiscal Year						County Contributions	Notes	Total Project Costs
	2022-2023	2023-2024	2024-2025	2025-2026	2026-2027	2027+			
	Ensuing Fiscal Year	Year 2	Year 3	Year 4	Year 5	Beyond Year 6+			
New Terminal	\$7,500,000	\$85,000						A,B,C	\$7,585,000
Taxiway "A" Relocation	\$3,680,000	\$3,650,000	\$ 4,444,444.00	\$4,444,444				A,B,C	\$16,218,888
Land Parcel 64-A-60 (Cooper)			\$200,000					A,B,C	\$200,000
Runway Protection Zone (RPZ) Land Services				\$150,000				A,B,C	\$150,000
Acquire Land/Easements				\$270,000	\$500,000			A,B,C	\$770,000
North Side Site Prep			\$500,000					A,B,C	\$500,000
North Side Access Road				\$700,000				A,B,C	\$700,000
Fuel Storage Facility					\$500,000			A,B,C	\$500,000
Master Plan Update					\$500,000			A,B,C	\$500,000
Total	\$11,180,000	\$3,735,000	\$5,144,444	\$5,564,444	\$1,500,000	\$0			\$27,123,888

A= Partial funding from VA Dept. of Aviation

B= Partial funding from FAA

C = Partial local funding (% split between Frederick County and Winchester based on Weldon Cooper figures)

*Airport projects will be funded by contributions from the federal, state, and local governments. The local portion may include contributions from Frederick, Clarke, Shenandoah, and Warren Counties, and the City of Winchester.

PRIORITY 17- Widening of Route 11 North to the West Virginia State Line (Ph 2)

Description: Improve Route 11 to a divided 4 and 6-lane facility as detailed in the Eastern Road Plan.

Capital Cost: \$218,030,400

Justification: This is a regional transportation improvement that will address congestion over a large area of the County and address development to the surrounding area. This project improves the safety for the traveling public by reducing congestion and improving the flow of traffic.

Construction Schedule: TBD

PRIORITY 18 - Senseny Road Widening

Description: Widen Senseny Road to a 4-lane divided roadway. This project is not dependent upon, but is being coordinated with the implementation of Route 37, Channing Drive, and development in the area.

Capital Cost: \$76,083,525

Justification: This is a transportation improvement that will have significant impact on Eastern Frederick County. This project is identified in the adopted Eastern Road Plan.

Construction Schedule: TBD

PRIORITY 19 - Senseny Road Turn lanes at the intersection of Senseny Road and Crestleigh Drive

Description: Improvements to the intersection of Senseny Road (657) and Crestleigh Drive to include turn lanes and potential signalization. This project would add left and right turn lanes to Senseny Road at the intersection of Crestleigh and potentially a full signalization of the intersection.

Capital Cost: \$2,894,103

Justification: This improvement would be a significant safety upgrade to this intersection.

Construction Schedule: TBD

PRIORITY 20- Interstate 81, Exit 307 Relocation

Description: Construct a relocated Exit 307 interchange.

Capital Cost: \$266,014,654

APPENDIX

PROJECT DESCRIPTIONS

Frederick County Public Schools Project Priority List

PRIORITY 1 – Fourth High School

Description: This new high school project is proposed to serve students in grades 9-12 with a program capacity of 1,250 students and will address overcrowding and anticipated growth in high school student enrollment in the school division. The site is located at the end of Justes Drive behind Admiral Byrd MS. This school will be designed for collaborative education, similar to Aylor MS, with a variety of learning spaces to meet the needs of a variety of learning styles and to impart skills necessary in today's working world.

Capital Cost: \$137,400,000

Justification: This project will address overcrowding and expected growth in high school student enrollment in the school division over the next several years.

Construction Schedule: FY 25-26

PRIORITY 2 – Sherando High School Addition

Description: Sherando High School opened in 1993. The facility contains 239,517 square feet and has a program capacity of 1,323 students serving grades 9-12. Several areas need to be addressed in a renovation/addition, including reorganization and addition of classrooms and storage space to better equip the building to support collaborative education. Because we want the facility to last another 30 years, facility infrastructure will be renewed and updated, and certain finishes will be refreshed.

Capital Cost: \$30,000,000

Justification: This project would need to be further scoped by the school system to ensure coordination with priority 4.

Construction Schedule: FY 24-25

PRIORITY 3 – Millbrook High School Addition

Description: Millbrook High School opened in 2003. It is currently over capacity and a project to provide additional space may help to alleviate those issues.

Capital Cost: \$30,000,000

Justification: An addition project could help to alleviate overcrowding at the existing facility. Such a project would need to

be scoped by the school system.

Construction Schedule: FY 28 and Beyond

PRIORITY 4 – Sherando High School Renovations and Expansion

Description: Sherando High School opened in 1993. The facility contains 239,517 square feet and has a program capacity of 1,323 students serving grades 9-12. Several major areas need to be addressed in a renovation, including reorganization and addition of classrooms and storage space to better equip the building to support collaborative education. Because we want the facility to last another 30 years, facility infrastructure will be renewed and updated, and finishes will be refreshed. Other areas to be addressed are security, traffic safety, and gender equity in athletic facilities.

Capital Cost: \$125,600,000

Justification: Sherando is 29 years old and will be years older by the time we start to renovate it. Renovations are needed to ensure the economical, efficient, and effective operation of the school for years to come. Modern instruction requires that a variety of learning spaces be provided, including collaborative spaces and project labs (similar to maker spaces). Transportation safety concerns exist on and around the school site at Sherando during arrival and dismissal. Sherando does not have a softball field on site, instead using a softball field in Sherando Park. This represents an equity issue between boys and girls sports and is contrary to FCPS' policy of equity between boys and girls sports.

Construction Schedule: FY 25-26

PRIORITY 5 - Armel Elementary School Addition and Renovation

Description: Armel ES opened in 1991 and has served continuously as a K-5 elementary school since that time. The school contains 70,281 square feet and has a program capacity of 580 students. As of October 31, 2022, the school has 621 students. Eight classrooms will be added to Armel ES, to accommodate the additional growth in the attendance zone, particularly Lake Frederick.

Capital Cost: \$11,500,000

Justification: Armel Elementary School is in good condition; however, growth in the attendance zone will need to be addressed through the addition of classrooms to the facility.

Construction Schedule: FY 25-26

PRIORITY 6 – Apple Pie Ridge Elementary School Phase 2 Renovation

Description: Apple Pie Ridge Elementary School opened in 1974 and has served continuously as an elementary school since that time. The school and auxiliary building contains 65,120 square feet. The school has a program capacity of 509 students. Currently the building serves grades K-5. The building is in good condition; however, several major areas need to be addressed, including modernizing open classroom spaces, ADA compliance, energy conservation, security, and upgrades of fire alarms, electrical, plumbing and mechanical systems.

Capital Cost: \$29,000,000

Justification: Apple Pie Ridge Elementary School is 48 years old and renovations are needed to a number of areas to ensure the economical and efficient operations of the school for years to come.

Construction Schedule: FY 26-27

PRIORITY 7 – Jordan Springs Elementary School Classroom Addition

Description: Jordan Springs ES opened in 2020 and serves as a K-5 elementary school. The school contains 84,375 square feet and has a program capacity of 500 students. As of October 31, 2022, the school has 586 students. A four-classroom addition is proposed onto Jordan Springs ES.

Capital Cost: \$3,700,000

Justification: Both recent and expected growth in the attendance zone will need to be addressed through two strategies: the addition of classrooms to the facility and an attendance zone rezoning. Neither strategy alone is sufficient to address enrollment growth at JSES. The school will need to be suitably sized to serve Snowden Bridge when the subdivision is built out.

Construction Schedule: FY 25-26

PRIORITY 8 – Onsite Traffic Safety Improvements at Sherando, Greenwood Mill, Frederick County Middle/Gainesboro, Indian Hollow, and Armel/Transportation

Description: Traffic safety concerns exist at several school sites that require site improvements. These needs have been going unmet for some time, and so have been combined into a single capital project. Improvements include rearrangement of parking lots, bus loops and parent drop-off loops, additional site access, improvements to pedestrian facilities, and separation of bus and car traffic.

Capital Cost: \$2,900,000

Justification: This work is needed to provide sites that are as safe as possible. Currently we experience traffic backups/overloads, conflicting traffic flows, and difficulty entering state roads at these sites during arrival and dismissal. We are concerned that frustration with the current situations will lead some drivers and walkers to make bad decisions.

Construction Schedule: TBD

Parks & Recreation Department Project Priority List

PRIORITY 1 – Abrams Creek Trail

Description: 10' wide, asphalt, shared-use trail along Abrams Creek from Senseny Road to Channing Drive. It is estimated the trail will have 6 bridge stream crossings and will be approximately 3 miles in length. As outlined below, the project is envisioned in three phases of approximately 1 mile each. Each phase will have logical beginning and ending points and be usable trail sections in themselves. Phase 1 from Senseny Road to Woodstock Lane. Phase 2 from Woodstock Lane to Woody's Place, and Phase 3 from Woody's Place to Channing Drive.

Capital Cost: \$4,099,822 (grant funding anticipated)

Justification: This facility would provide recreational opportunities for residents and provide an alternate means of entering and exiting the City of Winchester from Eastern Frederick County. This project is intended to meet the needs of the community as identified in the 2022 Frederick County Parks and Recreation Community Survey, and the 2012 Virginia Outdoors Plan Survey.

Construction Schedule: Phase I – FY 23-24, Phase II and III – Beyond FY 27 (The construction schedule will follow VDOT funding. Phase I is funded through a VDOT grant)

PRIORITY 2 – Old Charlestown Road Park Development

Description: Old Charlestown Road Park, situated on land proffered by the Snowden Bridge development provides land for the provision of an active recreation park. The above park is to include athletic fields suitable for league play. Fields, restrooms, and parking are part of the park concept.

Capital Cost: \$3,862,740 (grant funding anticipated)

Justification: The overall park design is informed by the Snowden Bridge (formerly Stephenson Village) rezoning proffer of 2003 and public input sessions in 2020. Plans are to provide rectangular fields and hard surface courts at this location. There are no public rectangular fields in the north area of Frederick County.

Construction Schedule: Completion in FY 25-26

PRIORITY 3 - Sherando Park North - Softball Complex

Description: This project completes the development vision for the southeast area of Sherando Park located north of Rt 277. This vision is expressed in the 2016 North Sherando Park Master Plan update. Included are softball fields to complete the complex, a shared use trail segment, roadway and parking.

Capital Cost: \$988,880

Justification: This facility would provide recreational opportunities for the entire Frederick County area. In addition to its use as a recreational facility, it will be used by the Frederick County school system. Presently, there are ten softball/baseball fields within the County's regional park system. Eight of ten existing fields must serve a dual purpose of facilitating youth baseball as well as youth and adult softball programs. With the increased usage of these fields, it has become more difficult to facilitate these programs. This project is needed in order to meet the growing need for diamond field space and tournament opportunities.

Construction Schedule: Completion in FY 24-25

PRIORITY 4– Recreation Center

Description: The Recreation Center project would be approximately 44,000 square feet and include an indoor area large enough to accommodate a minimum of two basketball courts. This court area would also be designed for utilization by indoor soccer, baseball, softball, wrestling, volleyball, tennis and badminton with the installation of in-floor sleeves and drop curtains or partitions. This area could also be used for special events such as dances, proms, music festivals, garden and home, outdoor, craft, antique, quilt, or boat shows, thus providing a flexible facility for a multitude of activities to take place at one time. The facility would also house a fitness center, multi-purpose rooms, office, storage, and locker rooms.

Capital Cost: \$11,251,221

Justification: Since its inception, the Parks and Recreation Department has relied significantly on the use of the County public schools to house recreation programs. This arrangement adequately addressed Recreation Center needs for a time, however the department currently offers over 250 sections of programs, creating a situation where the department is limited in its ability to meet the programming and facility needs of the county residents. A Recreation Center facility will facilitate the department to meet citizen programming demands and provide the area with a facility to attract new businesses to the community. This facility would be available to all area residents.

Construction Schedule: Completion in FY 24-25

PRIORITY 5 - Playground Replacement

Description: This project schedules replacement for playgrounds at County Parks.

Capital Cost: \$875,830

Justification: County Park playgrounds are popular amenities at County owned parks. The playgrounds will need to be replaced to meet user expectations.

Construction Schedule: This project is anticipated to be ongoing; a 4-year schedule is proposed. Year 1: Clearbrook 2nd playground, Sherando 2nd playground. Year 2: Sherando 3rd playground. Year 3: Sherando main playground.

PRIORITY 6 - Water Slide / Spray Ground / Building Renovation

Description: Upgrade the outdoor swimming pools at both Clearbrook and Sherando Parks. Upgrade would involve the removal of the diving boards and the installation of one 50' water slide and one 75' water slide at each pool. The upgrade would also include the addition of a spray ground with 10-12 features at each pool.

Capital Cost: \$1,157,356

Justification: To provide recreational opportunities for the Clearbrook Park and Sherando Park service area. Frederick County Parks and Recreation Department operates two outdoor swimming pools at the regional parks. These facilities are over 20 years old and were constructed with two diving boards as the main feature for each pool. Swimming pool attendance has trended decline in recent years and users are requesting different water features. The addition of two water slides and a spray ground to each pool facility will appeal to families and increase interest in visiting the outdoor pool facilities.

Construction Schedule: Completion in FY 25-26

PRIORITY 6–Clearbrook Park

Description: This project implements the development vision for the northeast area of Clearbrook Park. This vision is consistent with the Clearbrook Park Master Plan. Included are basketball, pickleball courts, and an access trail from the existing pool parking lot.

Capital Cost: \$454,440

Justification: This facility would provide recreation opportunities for the entire Frederick County area. It would provide amenities not readily available in northeastern Frederick County and provide a public pickleball complex for county residents.

Construction Schedule: Completion in FY 25-26

PRIORITY 7 – Gym Addition Jordan Springs Elementary

Description: This project brings the Jordan Springs Elementary School into the Cooperative Use framework for shared school and community uses. Expanding the gymnasium from elementary size to full size (comparable to Orchard View, Greenwood Mill, Evendale, and Gainesboro Elementary School Gyms), and adding community multi-purpose room space to the proposed school site.

Capital Cost: \$1,657,124

Justification: The model in place since Orchard View Elementary was built in 2000 added gymnasium and multi-purpose space to subsequent elementary schools, as these schools are located where population growth is present. Growth in community programming, camps, and indoor sports leagues continues to create demand for more gymnasium and multi-purpose space. Adding pressure for this location is that there are no community center spaces in the Stonewall District, while population continues to increase.

Construction Schedule: Completion in FY 26-27

PRIORITY 9 – Sherando Park Area 1 Recreation Access Phase 2

Description: This project continues the development vision for the northwest area of Sherando Park located north of Rt. 277 as shown in the 2016 North Sherando Park Master Plan update. Continuing the newly installed Line Drive from Warrior Drive to Landgrant Lane, parking, restroom building, and dog park are elements of this phase.

Capital Cost: \$1,594,872

Justification: This facility would provide recreational opportunities for the entire Frederick County area. This project is intended to meet the needs of the community as identified in the 2022 Frederick County Parks and Recreation Community Survey.

Construction Schedule: Completion in FY 26-27

PRIORITY 10 - Sherando Park Area 3 Development

Description: This project completes the development vision for the southwest area of Sherando Park located north of Rt 277. This vision is expressed in the 2016 North Sherando Park Master Plan update. Included are rectangular play fields, a shared use trail segment, roadway and parking, playground, restroom, and maintenance building.

Capital Cost: \$2,810,000

Justification: This facility would provide recreational opportunities for the entire Frederick County area. In addition to its use as a recreational facility, it will be used by the Frederick County school system, with the development of the north Sherando Softball

Complex (CIP item #9) two rectangular play fields will be displaced. The development of area 3 not only addresses this direct result, but also addresses additional identified needs of the community.

Construction Schedule: Completion in FY 26-27

PRIORITY 11 – Sherando Ballfield Lighting Replacement

Description: Upgrade the ballfield lighting at Sherando Park Baseball facilities. The upgrade would involve the removal of the 30/20 FC (footcandle) level fixtures, lamps, and wood poles and replace with 50/30 FC (footcandle) level fixtures, lamps and steel poles on 4 fields at Sherando Park. This standard is required by Little League International on all little league fields. LED light fixtures are specified, as HID fixtures are facing obsolescence.

Capital Cost: \$1,072,183

Justification: The Parks and Recreation Commission is recommending the ballfield light system be upgraded to achieve the recommended 50/30 footcandle level lighting on the playing surface. This will facilitate the provision of recreational opportunities at Sherando Park for the service areas which include all Frederick County residents. The field light fixtures are over twenty-five years old and are affixed to poles.

Construction Schedule: Completion in FY 25-26

PRIORITY 12 – Neighborhood Parks

Description: The Neighborhood project includes the continued development of existing and acquisition of 6 new sites of approximately 10 acres and the subsequent development of these sites. Developed amenities will ultimately be determined by the specific site, however typical development may include:

Acquisition of Parkland, 10 acres per site

- Paved Path
- Playground
- Shelter
- Hard Surface Courts
- Open Play Fields

Capital Cost: \$5,833,862

Justification: To reduce the gap between the amount of existing parkland and the amount of parkland needed to meet the minimum standard for our service area, as recommended by the 2013 Virginia Outdoors Plan. This project is intended to meet the needs of the community as identified in the 2022 Frederick County Parks and Recreation Community Survey. Potential acreage for parkland would be located in the Urban Development Area or Rural Community Centers.
Construction Schedule: Beyond FY 2028

PRIORITY 13 – Community Parks

Description: The Community Park needs include continued development of existing parks, and the acquisition of approximately thirty-five acres for an additional park located in eastern Frederick County. Developed amenities will ultimately be determined by the specific site, however typical development may include:

- Acquisition of Parkland; 35 acres
 - Paved & Gravel Paths
 - Playground
 - Tot lot
 - Shelters
 - Lighted Basketball & Tennis courts

Capital Cost: \$2,492,603

Justification: Potential acreage for parkland would be located close to population density, east of Winchester, Redbud / Shawnee district area. The location of this project would provide developed parkland to create more accessible recreational facilities and opportunities to the residents Frederick County.

Construction Schedule: Completion in FY 26-27

PRIORITY 14 – Regional Park

Description: Acquisition and development of parkland:

- Northeastern Frederick County 150-200 acres
- Western Frederick County 150-200 acres
- Eastern Frederick County 150-200 acres

Capital Cost: \$17,984,463

Justification: This project would meet the recreation needs of the Frederick County population.

Construction Schedule: Beyond FY28

PRIORITY 15 – Indoor Aquatic Facility

Description: The approximately 35,000 sq ft building will likely house a 10-lane competitive pool, 6 lane warm water teaching pool, meeting rooms, shower and changing rooms, and facilities support areas. The above facility would meet the swimming needs of the community, including high school level swim teams.

Capital Cost: \$24,924,952

Justification: There are no public indoor public pools in Frederick County. By constructing the indoor pool, it would permit the department to meet competition needs, instructional needs, citizen programming provide a nucleus to attract new businesses to the community. This project is intended to meet the needs of the community as identified in the 2017 Frederick County Parks and Recreation Community Survey. This facility would be available to all area residents. The construction of this project will provide a facility to offer competitive swim and year-round recreational programming.

Construction Schedule: Completion in FY 27-28

PRIORITY 16 – Indoor Ice Rink

Description: The Ice Rink project would be approximately 40,000 square feet and include an indoor area large enough to accommodate a single 200' x 85' ice rink, locker rooms, party/meeting rooms, and concession area and would need approximately 10 acres to construct. This facility should be located on property owned or proffered to the County. The above ice rink may be collocated with other compatible uses should opportunities arise, reducing the acreage demand.

Capital Cost: \$132,572,089

Justification: There are no public indoor ice rinks in Frederick County and county residents currently must travel over one hour to use an indoor ice facility. By constructing the indoor ice rink, it would permit the department to meet competition needs, instructional needs, citizen programming and leisure demands as well as provide a nucleus to attract new businesses to the community. This facility would be available to all area residents. The construction of this project will provide a facility to offer year-round recreational programming for the residents of Frederick County. This project is intended to meet the needs of the community as identified in the 2022 FCPRD Community Survey.

Construction Schedule: Completion in FY 27-28

PRIORITY 16 – South Sherando Park Development

Description: This project completes the development vision for the area of Sherando Park located south of Rt 277. This vision is expressed in the 2002 Sherando Park Master Plan update as well as other identified improvements. Included are rectangular play fields, skate park, roadway and parking, lake trail, and restroom.

Capital Cost: \$2,799,450

Justification: These improvements would provide recreational opportunities for the entire Frederick County area.

Construction Schedule: Beyond FY 28

PRIORITY 17 – National Guard Armory Gym Addition

Description: Through an agreement with the National Guard, Frederick County would convert the existing buildings assembly space to a gymnasium. The project includes flooring and air conditioning,

Capital Cost: \$715,743

Justification: The model in place since Orchard View Elementary was built in 2000 added gymnasium and multi-purpose space to elementary schools, as these schools are located where population growth is present. Growth in community programming, camps, and indoor sport leagues continues to create demand for more gymnasium and multi-purpose space.

Construction Schedule: FY 26-27

PRIORITY 18 – North Sherando Park Area 1 & 2 Development

Description: This project completes the development vision for the area of Sherando Park located north of Rt 277 and Wrights Run. This vision is expressed in the 2016 North Sherando Park Master Plan update. Included are multi-use trail, mountain bike trails, restrooms, pavilions, roadway, and parking.

Capital Cost: \$3,916,725

Justification: This facility would provide recreational opportunities for the entire Frederick County area. This project is intended to meet the needs of the community as identified in the 2022 Frederick County Parks and Recreation Community Survey.

Construction Schedule: FY 27-28

Handley Regional Library Project Priority List

PRIORITY 1 - Frederick County Library Branch - Gainesboro

Description: Construction of a 4,000 to 5,000 square foot branch library, either as a stand-alone facility or co-located with a planned Frederick County facility (e.g. the new middle school). Initial parking should be for at least 50 vehicles. The proposed location would be on Rt. 522 in the Gainesboro district, but this could change depending on patterns of library use and on whether donated land could be located or if co-located with a Frederick County project already in the early planning stage. This projected branch would fit per discussions with FCPS on existing property and was outlined in a document prepared by FCPS students seven years ago.

Capital Cost: \$2,023,683

Justification: This branch would serve citizens living in this growing area: In 2021-22 we checked out 364,369 (traditional) and 77,272 (electronic) for a total of 441,641 items to Frederick County residents. 25,510 Frederick County residents have cards (inactive users were purged in Nov 2021 – required by the State every three years) and averaged 62.36% of all materials checked out. As of June 2022, there were 2,337 new Frederick County registrations for the year. We have also started collecting statistics on the Electronic Retrieval of Information. This includes information and documents retrieved from online databases, such as historical documents and research articles from periodicals. For this past year, Frederick County card holders downloaded 80,028 documents. This population group in the Gainesboro district is not close to a library in the regional system. This new library would serve a sizeable population of Frederick County that is not being served. The library will provide materials and programming for citizens from toddlers to senior citizens. It will provide recreational and educational materials. It will be a prime source for homework help since it will be open nights and on weekends when school libraries are closed. The library will supply computer access via Wi-Fi, rental tablets, and hotspots, via desktop/laptop computers for word processing, as well as other office applications and for Internet usage. There will be a meeting room of 180 square feet in which area groups can meet.

Construction Schedule: Completion in FY 27-28

PRIORITY 2 - Frederick County Library Branch - Senseny/Greenwood

Description: Construction of a 10,000 sq ft branch library with expansion possible to 15,000 square feet. Initial parking should be for a minimum of 65 vehicles. The proposed location is yet to be determined and is dependent on future development. The first step of the project would be the acquisition of the land of 5 to 8 acres.

Capital Cost: TBD

Justification: This branch would serve citizens living in this growing area: In 2021-22 we checked out 364,369 (traditional) and 77,272 (electronic) for a total of 441,641 items to Frederick County residents. 25,510 Frederick County residents have cards (inactive users were purged in Nov 2021 – required by the State every three years) and averaged 62.36% of all materials checked out. As of June 2022, there were 2,337 new Frederick County registrations for the year. We have also started collecting statistics on the Electronic Retrieval of Information. This includes information and documents retrieved from online databases, such as historical documents and research articles from periodicals. For this past year, Frederick County card holders downloaded 80,028 documents. As noted above the population group in the Redbud/Shawnee district is not close to a library in the regional system. The library will provide materials and programming for citizens from toddlers to senior citizens. It will provide recreational and educational materials. It will be a prime source for homework help since it will be open nights and on weekends when school libraries are closed. The library will supply computer access via Wi-Fi, rental tablets, and hotspots, via desktop/laptop computers for word processing, as well as other office applications and for Internet usage. There will be a meeting room of 800 square feet in which area groups can meet.

Construction Schedule: Long range planning objective – beyond FY27

PRIORITY 3 – 522 South Library

Description: Construction of a 7,000 sq ft branch library with expansion possible to 10,000 square feet. Initial parking should be for a minimum of 35 vehicles. The proposed location is yet to be determined and is dependent on future development. The first step of the project would be the acquisition of the land of 3 to 4 acre or collocated with the new High School projected to be built in the same area.

Capital Cost: TBD

Justification: This branch would serve citizens living in this growing area: In 2021-22 we checked out 364,369 (traditional) and 77,272 (electronic) for a total of 441,641 items to Frederick County residents. 25,510 Frederick County residents have cards (inactive users were purged in Nov 2021 – required by the State every three years) and averaged 62.36% of all materials checked out. As of June 2022, there were 2,337 new Frederick County registrations for the year. We have also started collecting statistics on the Electronic Retrieval of Information. This includes information and documents retrieved from online databases, such as historical documents and research articles from periodicals. For this past year, Frederick County card holders downloaded 80,028 documents. The library will provide materials and programming for citizens from toddlers to senior citizens. It will provide recreational and educational materials. It will be a prime source for homework help since it will be open nights and on weekends when school libraries are closed. The library will supply computer access via Wi-Fi, rental tablets, and hotspots, via desktop/laptop computers for word processing, as well as other office applications and for Internet usage. There will be a meeting room of 425 square feet in

which area groups can meet.

Construction Schedule: Long range planning objective – beyond FY27

County Administration and Public Works Project Priority List

PRIORITY 1 - Double Toll Gate Citizens' Convenience Site - Expansion

Description: The project will expand refuse capacity in the growing Double Toll Gate, Lake Frederick, White Post, eastern Stephens City and Armel communities by adding a second trash compactor, poured concrete wall and other site improvements, greatly enhancing traffic flow, efficiency, and overall capacity. The current site is situated on 2 acres just inside Clarke County and is leased from the Virginia Department of Transportation at no cost. The facility serves residents in both Clarke and Frederick Counties. Clarke shares in collection and disposal costs (26 percent) while Frederick maintains the site and provides labor. Construction and all site improvements will take place over a period of months while the facility remains open for business.

Capital Cost: \$800,000

Justification: A total of 8,198 vehicle trips were made to the facility during August 2022, a number consistent with 2021 figures. With an average of 315 trips recorded per day, Double Toll Gate is one of the County's busiest neighborhood refuse and recycling sites. A second compactor would double capacity and eliminate the need to close early on certain holidays during times of heavy trash flow. Traffic flow inside the facility would be enhanced. This location has served the area well since the late 1970's. A recycling pad and new pavement were added in 2009. Additional upgrades are now necessary in order to meet the growing demands of solid waste management.

Construction Schedule: Completion in FY 24-25

PRIORITY 2– County Office Annex (Former Sunnyside Plaza Shopping Center)

Description: This project consists of the renovation of an existing shopping center containing approximately 64,000 square feet located at the intersection of Fox Drive and Route 522 in the County's Urban Development Area. This project will accommodate the relocation of certain departments (TBD) from the 107 N. Kent Street complex to this County office annex in order to address existing and future space needs of County departments.

Capital Cost: TBD

Justification: The inclusion of this capital facility will allow for improvements to general governmental facilities and services for the benefit of the residents of Frederick County and will meet the increasing need for office space, meeting space, and government services in an accessible location.

Construction Schedule: TBD

PRIORITY 3 - General Government Capital Expenditures

Description: This project consists of a revolving fund in the amount of \$1,000,000 for the benefit of General Governmental Capital Expenditures. It is the intention of this capital expenditure fund to be for the purpose of purchasing capital equipment for governmental agencies and to allow for improvements to general governmental facilities. Such expenditures may be less than the established \$100,000 departmental threshold. It was determined that the inclusion of such a project would be beneficial in ensuring that this significant capital expense is identified in the County's capital planning and budget process. This project is for the benefit of the County Governmental Entities participating in the CIP but does not include individual Volunteer Fire and Rescue Companies.

Capital Cost: \$1,000,000

Justification: The inclusion of this capital expenditure fund for the purpose of purchasing capital equipment for governmental agencies and to allow for improvements to general governmental facilities will enable the County to meet the requirements of the Code of Virginia with regards to the collection and disbursement of cash proffers accepted on behalf of the governmental entities.

Construction Schedule: N/A

PRIORITY 4 - County/School Board Administration Building

Description: This project consists of a County/School Board Administration Building, to be located generally in the County's Urban Development Area. The Joint Administrative Office Complex project is for a new 150,000 square foot office building shared with the County Schools Administration. The schools' portion would be 50,000 square feet.

Capital Cost: TBD

Justification: The inclusion of this capital facility will allow for improvements to general governmental facilities and services for the benefit of the residents of Frederick County and will meet the increasing need for office space, meeting space, and government services in an accessible location.

Construction Schedule: TBD

PRIORITY 5 - Joint Judicial Center New Facility

Description: This new project consists of a new future Joint Judicial Center Facility to be located generally in the City of Winchester or in the County's Urban Development Area.

Capital Cost: TBD

Justification: The inclusion of this capital facility will allow for improvements to general governmental facilities and services for the benefit of the residents of Frederick County and will meet the increasing need for office space, meeting space, and government services in an accessible location. The need for this project has been established through ongoing communication with the court system and the City of Winchester.

Construction Schedule: TBD

Fire & Rescue Project Priority List

PRIORITY 1 - Frederick County Fire & Rescue Station 22

Description: Fire Station 22 will be a three-bay drive through fire station that will house upon opening an engine, ambulance, and tanker. It will also allow for the expansion of apparatus to include brush fire apparatus and other potential needed apparatus for the area as growth will determine. The fire station will provide 24-hour coverage and will require living quarters for up to 12 firefighters. The living quarters will provide a physical training area, laundry/decontamination facilities, kitchen/dining areas, private sleeping quarters, locker room, bathroom, and office areas. The fire station will also include designed areas and props for training inside and outside of the fire station. The future location of the fire station will be determined by utilization of time and distance travel models for the population densities of the area.

Capital Cost: \$7,500,000

Justification: This station will serve the Rt 522/Rt 277 area of Frederick County. This area of the County has seen rapid growth in the past five years. The travel distance from the closest County fire station is greater than the current recommended time and distance models from ISO, NFPA and other accepted fire department and emergency medical standards. The purpose of this station is to decrease the travel time it takes to get to the citizens of Frederick County in that area.

Construction Schedule: Completion in FY 25-26.

PRIORITY 1A - Engine 22

Description: This project will be a NFPA 1901 approved fire engine to be placed in Station 22. The fire engine will be a custom-built fire engine on a single axle with the minimum fire pump of 1,500 gpm and 750 gallons of water. This fire engine will be designed to hold five firefighters and be equipped with a class A foam system along with many other firefighting tools and equipment.

Capital Cost: \$775,000

Justification: See Station 22 Justification

Construction Schedule: Completion in FY 23-24.

PRIORITY 1B - Ambulance 22

Description: This project will be a Type I Custom Advanced Life Support Ambulance for station 22. This will be a four wheel drive

ambulance with Advance Life Support capabilities and equipment for the transport of acutely ill patients.

Capital Cost: \$400,000

Justification: See Station 22 Justification

Construction Schedule: Completion in FY 24-25.

PRIORITY 1C - Tanker 22

Description: This project will be to purchase a NFPA 1901 compliant tanker with a commercial cab to serve the district protected by Fire Station 22. This tanker would be tandem axel commercial cab apparatus that would have a minimum 2,500 gallons of water and a 1250 gallons per minute fire pump on the apparatus. This piece of apparatus serves the vital fire ground function of brining water to the areas that are not served by fire hydrants for firefighting operations.

Capital Cost: \$650,000

Justification: See Station 22 Justification.

Construction Schedule: Completion in FY 24-25.

PRIORITY 2 – Tanker 21

Description: This project will be to purchase a NFPA 1901 compliant tanker with a commercial cab to serve the district protected by Fire Station 21 (Millwood Station) and adjoining fire districts. Currently neither Millwood, Greenwood, nor Stephens City have a tanker despite having significant areas of non-hydrant service. This tanker would be tandem axel commercial cab apparatus that would have a minimum 2,500 gallons of water and a 1250 gallons per minute fire pump on the apparatus. This piece of apparatus serves the vital fire ground function of bringing water to the areas that are not served by fire hydrants for firefighting operations.

Capital Cost: \$650,000

Justification: Currently, Greenwood, Millwood and Stephens City Fire Stations do not have a tanker that is assigned to their stations despite serving a large area with no municipal fire hydrants for firefighting operations. The coverage area is most acute in the Route 522 south, Route 50 east, and Middle Road. The location of Station 21 is best situated to locate the new requested tanker.

Construction Schedule: Completion in FY 23-24.

PRIORITY 3 – Station 23

Description: Fire Station 23 will be a three-bay drive through fire station that will house upon opening an engine and ambulance. It will also allow for the expansion of apparatus to include brush fire apparatus and other potential needed apparatus for the area as growth will determine. The fire station will provide 24-hour coverage and will require living quarters for up to 12 firefighters. The living quarters will provide a physical training area, laundry/decontamination facilities, kitchen/dining areas, private sleeping quarters, locker room, bathroom, and office areas. The fire station will also include designed areas and props for training inside and outside of the fire station. The future location of the fire station will be determined by utilization of time and distance travel models for the population densities of the area.

Capital Cost: \$8,000,000

Justification: This station will serve the Fort Collier area of Frederick County. This area of the county has seen rapid growth in the past five years. The travel distance from the closest county fire station is greater than the current recommended time and distance models from ISO, NFPA and other accepted fire department and emergency medical standards. The purpose of this station is to decrease the travel time it takes to get to the citizens of Frederick County in that area.

Construction Schedule: Beyond FY 28

PRIORITY 3A - Engine 23

Description:

This project will be a NFPA 1901 approved fire engine to be placed in Station 23. The fire engine will be a custom-built fire engine on a single axle with the minimum fire pump of 1,500 gpm and 750 gallons of water. This fire engine will be designed to hold five firefighters and be equipped with a class A foam system along with many other firefighting tools and equipment

Capital Cost: \$775,000

Justification: See Station 23 Justification.

Construction Schedule: Completion in FY 26-27.

PRIORITY 3B - Ambulance 23

Description: Purchase one (1) custom pumper equipped and one (1) custom Type I Advanced Life Support (A.L.S.) capable ambulance equipped to be assigned to Fire and Rescue Station 23.

Capital Cost: \$400,000

Justification: See Station 23 Justification.

Construction Schedule: Completion in FY 26-27.

PRIORITY 3C - Aerial 23

Description: This project will be a NFPA 1901 approved aerial device for Station 23. The aerial apparatus will have a minimum 95ft aerial device on the apparatus. The aerial device will carry a large compliment of ground ladders and other specialized tools for firefighting operations. The aerial device will be on a custom chassis and hold five firefighters.

Capital Cost: \$1,800,000

Justification: See Station 23 Justification.

Construction Schedule: Completion in FY 26-27.

PRIORITY 4 - Station Renovations

Description: As part of the Fire Rescue System 10-year planning process, preliminary survey and analysis was completed of each of the 9 volunteer fire stations. Based on the preliminary survey it was recommended that a place holder for \$1,000,000 in building renovations and repairs be placed in each fiscal year. More detailed analysis by each station is under way to identify critical needs and to assign priority to each project.

Capital Cost: \$7,000,000

Justification: As part of the Fire Rescue System 10-year planning process, preliminary survey and analysis was completed of each of the 9 volunteer fire stations. None of the 9 volunteer stations were originally designed or constructed to house full-time staff 24-hours a day, 365 days a year. The volunteer companies have over the last 20 years made various renovations and additions as finances could allow to make accommodations for the minimum staffing levels. As the projected minimum staffing levels increase over the next 10-years additional renovations will be required. Over the last 2 years, Clearbrook and Greenwood Volunteer Fire Companies have renovated their living areas to accommodate additional staffing for between \$600,000 to \$1,300,000. Based on the preliminary survey, similar renovations will be necessary in the remaining stations as well as more comprehensive work on the basic infrastructure of the aging buildings and updating to current life, health, and safety standards for the facilities. The average cost of \$1,000,000 is used as a place holder for planning purposes until completion of the more detailed analysis is completed. As described earlier, volunteer companies may undertake all or a portion of the renovation projects on, as their individual finances allow in the absence of a comprehensive funding approach to the needed renovations

Construction Schedule: Completion in Beyond FY 28

FCFRD Volunteer Company Requests

Individual Fire & Rescue Company Capital and Capital Equipment Requests

Station 11 Apparatus/Vehicles (Stephens City)

Description: Replacement of current ladder tower truck, three ambulance/medic units, and command vehicle, all equipped with necessary equipment to meet desired specifications.

Capital Cost: \$4,713,000

Justification: Personnel safety, condition of major components, changes to national standards/federal mandates, and replacing high mileage vehicles factor into addressing these needs.

Construction Schedule: Beyond FY 28

Station 12 Building Expansion (Middletown)

Description: Demolish original building and the 1st addition to the station. Build back in that location tied back into the 3rd addition. This addition would be designed to provide additional sleeping, bathroom, and office areas for future growth in our system. Currently we are almost at max capacity in the bunk rooms for volunteers and staff, and taller apparatus bay and entry doors are needed.

Capital Cost: \$3,000,000

Justification: It is essential for Middletown Volunteer Fire and Rescue Company Inc. to maintain our capabilities in emergency response and the facilities to house the apparatus, tools and equipment and provide suitable living quarters for our system members. Currently we are maxed on room for sleeping and office space. Our one apparatus bay area has small doors and a short ceiling that restricts what can be parked in that section.

Construction Schedule: FY 23-24

Station 12 Apparatus/Vehicles (Middletown)

Description: Replacement of one ambulance/medic unit and an existing fire engine, all equipped with necessary equipment to meet desired specifications.

Capital Cost: \$1,175,000

Justification: These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 26-27

Station 13 Apparatus/Vehicles (Clearbrook)

Description: Replacement of current fire engine, ambulance/medic unit, and tanker, all equipped with necessary equipment to meet desired specifications.

Capital Cost: \$1,825,000

Justification: These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 22-23

Station 14 Apparatus/Vehicles (Gore)

Description: Replacement of existing tanker, equipped with necessary equipment to meet desired specifications.

Capital Cost: \$650,000

Justification: These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 24-25

Station 15 Apparatus/Vehicles (Round Hill)

Description: Replacement of existing fire engine, equipped with necessary equipment to meet desired specifications.

Capital Cost: \$775,000

Justification: These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 25-26

Station 16 Apparatus/Vehicles (Gainesboro)

Description: Replacement of current ladder tower truck, fire engine, and tanker, all equipped with necessary equipment to meet desired specifications.

Capital Cost: \$3,225,000

Justification: These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 27-28

Station 18 Parking Lot Repair (Greenwood)

Description: Refurbish the Parking Lot: Crack Repairs: a significant portion of the paving immediately in front of the truck bays exhibits moderate to significant cracking and "alligatoring". This area is approximately 11,000 s/f, or 1,225 sq. yds. Seal coating: application of 2 coats of a coal tar based, latex fortified, abrasive filled sealer to all asphalt pavement. Pavement Markings: repaint all existing pavement markings at this site including parking spaces, (8) handicap emblems with (blue) box backgrounds, all painted "no parking" cross-hatched areas, etc. We will also reset, realign, and re-anchor the existing concrete

Capital Cost: \$150,000

Justification: The existing front apron is deteriorating due to the weight of the equipment and the right-of-way draining under the apron. The remainder of the parking lot needs to be stabilized and resurfaced.

Construction Schedule: FY 24-25

Station 18 Apparatus/Vehicles (Greenwood)

Description: Replacement of current fire engine and two ambulance/medic units, all equipped with necessary equipment to meet desired specifications.

Capital Cost: \$1,575,000

Justification: These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus

Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 26-27

Station 19 Apparatus/Vehicles (North Mountain)

Description: Replacement of an existing tanker, equipped with necessary equipment to meet desired specifications.

Capital Cost: \$650,000

Justification: These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 24-25

Station 20 Paving (Reynolds Store)

Description: Repave existing asphalt entrance and parking lot at Station 20. Also add a second entrance approximately 250' south of current entrance to be paved and connected to existing paved parking lot area.

Capital Cost: \$200,000

Justification: The existing pavement at Station 20 is in poor condition. The asphalt is cracked, and potholes are forming. The second entrance would help with ingress and egress to the facility during fundraising events.

Construction Schedule: FY 23-24

Station 20 Apparatus/Vehicles (North Mountain)

Description: Replacement of an existing fire engine, rescue engine, and tanker, all equipped with necessary equipment to meet desired specifications.

Capital Cost: \$2,625,0000

Justification:

These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 26-27

Station 21 Apparatus/Vehicles

Description: Replacement of an existing fire engine, rescue engine, and ambulance/medic unit, all equipped with necessary equipment to meet desired specifications.

Capital Cost: \$2,375,000

Justification: These apparatus/vehicle replacements meet the criteria set forth in the Frederick County Fire and Rescue Apparatus Replacement Plan. This plan addresses the age, mileage, engine hours, out of service time, and repair costs over the life of the apparatus.

Construction Schedule: FY 25-26

Wildland Urban Interface Vehicles

Description: This project will be three NFPA 1901 approved Wildland Urban Interface Vehicles. These vehicles will serve a special purpose in the fire and rescue system. These apparatuses will be constructed on a commercial single axle vehicle with four-wheel drive capabilities. These apparatuses will have a minimum 1000gpm pump with a minimum of 500 gallons of water and a class A foam system for fire suppression efforts. These apparatuses will also carry the standard structural and wildland firefighting equipment to include fire hose, ladders, hand tools, and saws. These apparatuses will be specially designed to respond to structural incidents and wildland incidents. The Fire and Rescue system has many areas across the county that is not easily accessible to regular fire apparatus. These apparatuses will allow us a quicker and more efficient response to these incidents. These apparatuses also become very important during inclement weather.

Capital Cost: \$1,200,000

Justification: These apparatuses will be specially designed to respond to structural incidents and wildland incidents. The Fire and Rescue system has many areas across the county that is not easily accessible to regular fire apparatus. These apparatuses will allow us a quicker and more efficient response to these incidents. These apparatuses also become very important during inclement weather. **Construction Schedule:** FY 27-28

Sheriff's Office Project Priority List

PRIORITY 1 – Firearms Simulated Training System

Description: This project will be used to do use of force training for the entire Sheriff's Office and selected members of the public. The simulated trainer does firearms training, ASP training, pepper spray training, taser training and less lethal training. The trainer is used to simulate real life situations so that deputies use the appropriate amount of force, hopefully lowering the Sheriff's Office civil liability in use of force situations. The simulator can also be used to demonstrate the complexity of use of force situations to the public.

Capital Cost: \$150,000

Justification: Provide real life training to all deputies and reduce the civil liability the Sheriff's Office could face in excessive use of force cases.

Construction Schedule: Completion in FY 23-24

PRIORITY 2 – 8 Bay Steel Building for Large Vehicles

Description: Construct an 8-bay steel building for housing of large, specialized vehicles that require coverage due to the large amount of equipment and specialized tools. This project does not require the purchase of land as it will be constructed on the property of the Frederick County Sheriff's Office. The building will allow for the maintenance, storage, security of all the large specialized vehicles that are required for the special operations teams, and year-round training. This building size will be 4,256 square feet and will require 13,500 square feet to build. This will be an 8-bay, 4 garage door equipment storage building with a 35x76 front concrete pad.

Capital Cost: \$320,000

Justification: This project will facilitate the required housing of vehicles that are used for the special purpose teams. These vehicles are required to be protected from the weather to ensure quick responses to emergencies. Protecting the vehicles will allow the longevity of the vehicle by reducing engine wear and exposure to fluctuating weather conditions. Due to these vehicles belonging to specialty teams, the vehicles house important and expensive equipment. This equipment allows personnel of each specialty team to conduct the mission at hand. Much of the equipment has to be maintained at certain temperatures. The Sheriff's Office can also use the building to do specialized training in for the deputies, such as SWAT, Civil Disturbance, Search and Rescue, Use of Force, etc.

Construction Schedule: Completion in FY 23-24

Public Safety and Communications

PRIORITY 1 – Project 25 Public Safety Radio Network

Description: Purchase, construction, and deployment of Association of Public-Safety Communications Officials (APCO) International Project 25 (P25) radio communications system to support mission-critical public safety communications within the County. This system will provide radio and paging communications for the Frederick County Sheriff's Department, Frederick County Fire & Rescue, Volunteer Fire & Rescue Companies, and the Department of Public Safety Communications.

Capital Cost: \$20,981,973

Justification: This Association of Public-Safety Communications Officials (APCO) International Project 25 (P25) radio communications system is needed to support mission-critical public safety communications within the County.

Construction Schedule: FY 23-24

Transportation Committee Project Priority List

Funded Priorities

PRIORITY 1 – Exit 313 Bridge Replacement and Capacity Improvements

Description: Replace the structurally deficient bridge at Exit 313 and add limited capacity improvements.

Capital Cost: \$38,422,650

Justification: The bridge on Route 17/50/522 (Millwood Pike) Bridge over Interstate 81 at Exit 313 is reaching the end of its service life and needs to be replaced. The new bridge will feature design elements that will accommodate future improvements to the Route 17/50/522 corridor and future improvements to I-81. The interchange configuration will not change with this project.

Construction Schedule: TBD

PRIORITY 2 - Renaissance Drive, Phase 2

Description: Construct a connector road and railroad crossing between Route 11 and Shady Elm Drive.

Capital Cost: \$4,655,858

Justification: This is a transportation improvement that will address congestion at key points along Route 11 and Apple Valley Drive. This project is identified in Secondary Road Improvements Plan.

Construction Schedule: TBD

PRIORITY 3 - Route 277 right turn lane extension at Warrior Drive

Description: Extend right-turn lane for eastbound 277 at the intersection of Rt. 277 and Warrior Drive. Installation of sidewalk for pedestrian safety and installation of pedestrian pedestal.

Capital Cost: \$500,858

Justification: This improvement would be a significant safety upgrade to this intersection.

Construction Schedule: TBD

PRIORITY 4 – Route 7 STARS Study Project

Description: Consolidate turning movements at Blossom Drive/Millbrook Drive and Route 7 as well as at First Woods Drive/Greenwood Road and Route 7 to reduce conflicts and improve efficiency.

Capital Cost: \$1,050,000

Justification: This improvement would be a significant safety upgrade to these intersections.

Construction Schedule: TBD

PRIORITY 5 -Exit 317 Interchange Ramp Realignment Project

Description: Relocate the existing northbound exit ramp at I-81 Exit 317 and Route 11 to the current location of the Redbud Road intersection. This project will include turn lane upgrades on to the exit ramp from Route 11 North to I-81 northbound and removal of the signal that will be made redundant by the realignment.

Capital Cost: \$7,103,495

Justification: This improvement will upgrade traffic flow and safety through the interchange area.

Construction Schedule: TBD

PRIORITY 6 – Route 11 @ Old Charlestown Road Roundabout installation

Description: Upgrade the temporary signal that is currently in place to the roundabout design that VDOT has identified for this intersection.

Capital Cost: \$5,426,108

Justification: This improvement will improve traffic flow and safety at this intersection while minimizing the impact to traffic throughput north and south on Route 11.

Construction Schedule: TBD

PRIORITY 7- Redbud Road Realignment

Description: The funding of the Exit 317 ramp realignment makes this realignment critical for trips that currently use Redbud Road which total nearly 3,000 vehicles per day. VDOT has made it a requirement for the ramp realignment to move forward.

Capital Cost: \$5,988,146

Justification: This project is required to be underway in conjunction with or prior to the Exit 317 ramp realignment and the Board has submitted a revenue sharing application to move it forward. The application is currently under review.

Construction Schedule: TBD

PRIORITY 8- Gainesboro Rd at Route 522 Intersection Upgrade

Description: This project seeks to upgrade the entrance points into Frederick County Middle School and Gainesboro Elementary School where they access the state road system and improve the intersection of Gainesboro Road and Route 522 to accommodate the traffic shift that will be involved as the schools relocate their primary access point to Gainesboro Road.

Capital Cost: \$150,000

Justification: This project will improve safety for traffic in the vicinity of the schools as well as school traffic itself.

Construction Schedule: TBD

Unfunded Priorities

PRIORITY 9 - Planning, Engineering, Right-of-Way and Construction Work for Route 37

Description: This project would be to continue work on the Eastern Route 37 extension. More specifically, to update the Environmental Impact Statement to the point of a new Record of Decision and to update the 1992 design plans to address the current alignment, engineering guidelines, and possible interchange improvements. In addition, this allows for advanced engineering, right-of-way purchase and construction.

Capital Cost: \$851,681,250

Justification: This project moves the County closer to completion of a transportation improvement that would benefit the entire County and surrounding localities.

Construction Schedule: TBD

PRIORITY 10 - Route 277 Widening and Safety Improvements (Ph 2)

Description: Construct a 4-lane divided roadway beginning at I-81 and continuing to Sherando Park. Project would include realignment of Aylor Road to align with Stickley Drive.

Capital Cost: \$28,876,026

Justification: This is a regional transportation improvement that will address congestion in the Southern Frederick area and address development to the surrounding areas.

Construction Schedule: TBD

PRIORITY 11- Exit 317 Interchange Upgrade

Description: The funded ramp realignment project is one component of the overall needed upgrade to the interchange at I-81 Exit 317. This project calls for the full upgrade of the interchange.

Capital Cost: \$36,750,000

Justification: This is a transportation improvement that will have significant impact on Eastern Frederick County and is identified in the Eastern Road Plan. Staff is currently working with the MPO and the Office of Intermodal Planning and Investment on a pipeline study to continue to refine the application to increase its competitiveness for state funds.

Construction Schedule: TBD

PRIORITY 12 - Route 11 North Widening to 6 Lanes from Snowden Bridge Boulevard to Old Charlestown Road (Ph 1)

Description: Route 11 North of Snowden Bridge Boulevard is currently primarily a 2-lane roadway. This project would widen that facility to a 6-lane divided roadway with turn lanes where appropriate.

Capital Cost: \$32,189,145

Justification: This is a transportation improvement that will provide a significant capacity upgrade to address congestion on the Route 11 Corridor. This project is identified in the adopted Eastern Road Plan.

Construction Schedule: TBD

PRIORITY 13 - Brucetown Road/Hopewell Road Alignment and Intersection Improvements

Description: Realign Brucetown Road to meet Hopewell Road at Route 11. Improvements to this intersection will address comprehensive planned development's traffic generation in the area.

Capital Cost: \$9,084,600

Justification: This is a transportation improvement that will have significant impact on the Route 11 corridor. The location is identified by joint planning efforts between the County and VDOT.

Construction Schedule: TBD

PRIORITY 14- Valley Mill Road Realignment (West)

Description: This project would reduce or remove the intersection of Valley Mill Road and Route 7 and realign the roadway to a new intersection with Route 7 at Gateway Drive.

Capital Cost: TBD

Justification: The interchange area at I-81 Exit 315 where Valley Mill Road intersects is currently one of the most congested areas in Frederick County. This improvement would result in better spacing and fewer conflicting movements through the interchange area.

Construction Schedule: TBD

PRIORITY 15 – Route 7 Corridor Improvements from Exit 315 to Greenwood Road

Description: Spot improvements throughout the corridor to be determined through ongoing study in coordination with VDOT.

Capital Cost: \$5,407,500

Justification: The County is engaged in a STARS study with VDOT through the MPO. This study will be used to identify key spot improvements to be addressed under this item.

Construction Schedule: TBD

PRIORITY 16 – Route 11 S Widening & Intersection Improvements from Winchester City Limits to Opequon Church Lane

Description: Route 11 S, NB side widening and improvements to the intersection of Shawnee Drive at Route 11 and Opequon Church Lane at Route 11

Capital Cost: \$4,053,228

Justification: Transportation study conducted in conjunction with the MPO and VDOT determined that these improvements would significantly improve congestion and safety in the area. In addition, this improvement would promote the Comprehensive Plan vision for this area.

Construction Schedule: TBD

PRIORITY 17- Widening of Route 11 North to the West Virginia State Line (Ph 2)

Description: Improve Route 11 to a divided 4 and 6-lane facility as detailed in the Eastern Road Plan.

Capital Cost: \$218,030,400

Justification: This is a regional transportation improvement that will address congestion over a large area of the County and address development to the surrounding area. This project improves the safety for the traveling public by reducing congestion and improving the flow of traffic.

Construction Schedule: TBD

PRIORITY 18 - Senseny Road Widening

Description: Widen Senseny Road to a 4-lane divided roadway. This project is not dependent upon, but is being coordinated with the implementation of Route 37, Channing Drive, and development in the area.

Capital Cost: \$76,083,525

Justification: This is a transportation improvement that will have significant impact on Eastern Frederick County. This project is identified in the adopted Eastern Road Plan.

Construction Schedule: TBD

PRIORITY 19 - Senseny Road Turn lanes at the intersection of Senseny Road and Crestleigh Drive

Description: Improvements to the intersection of Senseny Road (657) and Crestleigh Drive to include turn lanes and potential signalization. This project would add left and right turn lanes to Senseny Road at the intersection of Crestleigh and potentially a full signalization of the intersection.

Capital Cost: \$2,894,103

Justification: This improvement would be a significant safety upgrade to this intersection.

Construction Schedule: TBD

PRIORITY 20- Interstate 81, Exit 307 Relocation

Description: Construct a relocated Exit 307 interchange.

Capital Cost: \$266,014,654

Justification: This is a regional transportation improvement that will address congestion in many areas of the County and address coming development to the surrounding areas.

Construction Schedule: TBD

PRIORITY 21- Warrior Drive Extension (south) including Brandy Lane Upgrade

Description: Construct a 4-lane divided roadway beginning at Route 277 where Warrior Drive intersects from the north and continuing that roadway south and west to intersect with I-81 at the location of the relocated Exit 307 interchange.

Capital Cost: \$53,372,025

Justification: This is a regional transportation improvement that will address congestion in the Southern Frederick area and address development to the surrounding areas.

Construction Schedule: TBD

PRIORITY 22 - Channing Drive Extension

Description: Construct a 4-lane divided roadway beginning at Senseny Road where Channing Drive intersects from the north and continuing that roadway south to intersect with Route 50 East at Independence Drive.

Capital Cost: \$51,100,875

Justification: This project has been identified in the Eastern Road Plan and will address congestion in Eastern Frederick County and address development to the surrounding areas.

Construction Schedule: TBD

PRIORITY 23 - Inverlee Way

Description: Construct a 4-lane divided roadway beginning at Senseny Road and going south to Route 50 East. This project is being planned in conjunction with improvements to Senseny Road and surrounding development.

Capital Cost: \$31,001,198

Justification: This is a regional transportation improvement that will address congestion and provide an additional needed link between Senseny Road and Route 50 East.

Construction Schedule: TBD

PRIORITY 24 - Warrior Drive Extension from Route 37 Crosspointe south to existing terminus

Description: 4-lane roadway from the Route 37 extension in the Crosspointe Development south to the existing terminus of Warrior Drive.

Capital Cost: \$38,041,763

Justification: This improvement would be concurrent with a Route 37 extension and would provide significant congestion relief at Exit 307 as well as Tasker Road at Exit 310

Construction Schedule: TBD

PRIORITY 25- Jubal Early Drive Extension and Interchange with Route 37

Description: This project would extend Jubal Early Drive as a 4 Lane facility from Winchester to an interchange with Route 37. This would include a partial realignment of Merrimans Lane

Capital Cost: TBD

Justification: This project would add additional east/west connectivity as well as reducing traffic loads at the Route 50 and Cedar Creek Grade interchanges with Route 37

Construction Schedule: TBD

PRIORITY 26- Valley Mill Road Realignment (East)

Description: This project would reduce or remove the intersection of Valley Mill Road and Route 7 to the east and realign the roadway to a new intersection with Route 7 at Future Route 37.

Capital Cost: TBD

Justification: As the road network and approved development in this area develops this new connection will provide a much more efficient and safer network for the community.

Construction Schedule: TBD

PRIORITY 27- Warrior Drive Pedestrian Improvements

Description: This project would provide a multiuse trail along Warrior Drive from Tasker Road to Talamore Drive. This project would also include pedestrian safety upgrades at the intersection of Warrior Drive and Tasker Road and fill in the portion of trail that is currently missing across parcel 75 A 105B located approximately 800 feet south of the intersection of the intersection of Warrior Drive and Tasker Road.

Capital Cost: \$2,194,598

Justification: This trail addition will offer north south pedestrian and bicycle connection to a large residential area and provide direct connection for those residents to to Sherando Park as well as retail and restaurant opportunities.

Construction Schedule: TBD

PRIORITY 28- Valley Mill Road Pedestrian Improvements

Description: This project would fill in a gap in pedestrian accommodations along Valley Mill Road between residential areas, educational opportunities (Dowell J. Howard Center) and retail establishments. It would extend the existing sidewalk along Valley Mill Road that currently terminates at the edge of the Dowell J. Howard property by bringing the sidewalk along the Dowell J. Howard property and providing a pedestrian crossing to connect to the trail that was installed as part of the Walgreens development.

Capital Cost: \$879,513

Justification: This trail addition will offer safer accommodations for pedestrians that are already using this area without benefit of sidewalk. This project has been the subject of numerous citizen requests.

Construction Schedule: TBD

PRIORITY 29- Inverlee Way Pedestrian Improvements

Description: This project would provide a multiuse trail along Inverlee Way between Route 50 and Kinross Drive. In addition it would provide a pedestrian Crossing of Inverlee Way at the intersection with Route 50. This project would then connect to work that is being put in place as part of the One Logistics project as well as existing trail network.

Capital Cost: \$701,247

Justification: This trail addition was requested by residents of the surround residential area and will assist in proving safer pedestrian connections to a nearby existing trail network and soon to be constructed commercial and employment opportunities.

Construction Schedule: TBD

PRIORITY 30 - Frederick County Eastern Road Plan

Description: This project is intended to address all of the planned transportation improvements in the County Comprehensive Plan, Eastern Road Plan that are not noted individually above.

Capital Cost: TBD

Justification: This project prepares the County for future development by addressing the projects needed to support that development in a manner consistent with the Comprehensive Plan.

Construction Schedule: N/A

Winchester Regional Airport Project Priority List

PRIORITY 1 - New Airport Terminal

Description: The Airport proposes design, bid, and construction of a new terminal building. The new facility will be constructed south of the existing building.

Capital Cost: \$7,585,000

Justification: The project will construct a new terminal building to accommodate a relocated taxiway and aircraft parking apron and address numerous building systems in need of rehabilitation/replacement.

Construction Schedule: Completion in FY 23-24

PRIORITY 2 – Taxiway “A” Relocation

Description: The relocation of Taxiway A is part of the overall goal to meet Federal Aviation Administration (FAA) airport standards to maintain CAT I Instrument Landing System (ILS) weather minimums and meet airport design criteria for Group III aircraft.

Capital Cost: \$16,218,888

Justification: This project improves the safety of airport operations and enhances our ability to accommodate large business aircraft. Due to the complexity of relocating the entire 5,500' taxiway, the project will be completed in phases.

Construction Schedule: Completion in FY 25-26

PRIORITY 3 – Land Parcel 64-A-60 (Cooper)

Description: The airport seeks to acquire parcel 64B-A-60: Cooper off Bufflick Road to meet Federal Aviation Administration (FAA) design standards for the taxiway object free area (TOFA) for Taxiway "A". Services include appraisals, review appraisals, negotiations, and fee simple purchase of the parcel.

Capital Cost: \$200,000

Justification: The parcel encompasses areas that must be protected in accordance with 14 Code of Federal Regulations Part 77 and the Code of Virginia. This property must be controlled by the airport to ensure there are no operational impacts from obstructions or incompatible land use in this area.

Construction Schedule: Completion in FY 24-25

PRIORITY 4 – Runway Protection Zone (RPZ) Land Services

Description: Surveys, appraisals, review appraisals, and acquisition of 4 aviation easements identified on the airport property map; PE2, PE3, PE4, and PE5.

Capital Cost: \$150,000

Justification: The parcels underlie the approach path to Runway 14. Certain land uses have the potential to cause negative impacts to airport operations. Aviation easements will help protect the airport from consequences that may result from obstructions or incompatible land uses in these areas.

Construction Schedule: Completion in FY 25-26

PRIORITY 5 – Acquire Land/Easements

Description: The airport seeks to acquire easements scoped for purchase in the "RPZ Land Services" project; identified as PE2, PE3, PE4, and PE5 on the airport property map.

Capital Cost: \$770,000

Justification: The parcels underlie the approach path to Runway 14. Certain land uses have the potential to cause negative impacts to airport operations. Aviation easements protect the airport from consequences that may result from obstructions or incompatible land uses in these areas.

Construction Schedule: Completion in FY 26-27

PRIORITY 6 – North Side Site Prep

Description: Site preparation (e.g., grading, utilities) for future aeronautical development and commercial entrance onto airport property off Coverstone Drive extended.

Capital Cost: \$500,000

Justification: The area on the north side of the airport has been through the NEPA environmental approval process. It is the most attractive area on the airport for build-to-suit facilities. The project will make it more attractive to private investment and is in keeping with the airport's business and marketing plans.

Construction Schedule: Completion in FY 26-27

PRIORITY 7 – North Side Access Road

Description: This project proposes to construct a two-lane service road around the end of Runway 14. The road will be an appropriate length so that vehicles remain clear of navigation aid critical areas.

Capital Cost: \$700,000

Justification: The approved airport layout plan shows new development on the north side of the runway. With operations on both sides of the runway, ground vehicles will require access to both sides for fuel delivery, inspections, maintenance, and transportation of personnel. The Federal Aviation Administration (FAA) encourages the construction of service roads around aircraft activity areas to prevent unauthorized access to runways and taxiways.

Construction Schedule: Completion in FY 25-26

PRIORITY 8 –Fuel Storage Facility Renovation

Description: The current facility is in need of renovation to continue to meet DEQ and/or EPA requirements.

Capital Cost: \$600,000

Justification: The fuel storage facility has not undergone major maintenance since it was installed. This project is to renovate the facility to ensure it continues to meet DEQ and EPA requirements.

Construction Schedule: Completion in FY 26-27

PRIORITY 9 –Master Plan Update

Description: An airport master plan is a comprehensive study of an airport and usually describes the short-, medium-, and long-term development plans to meet future aviation demand. An airport master planning effort will be conducted in accordance with FAA Advisory Circular AC 150/5070-6B.

Capital Cost: \$500,000

Justification: The airport's master plan has not been substantially revised since 2005. An airport master plan should be updated periodically, as it captures a 20-year planning horizon.

Construction Schedule: Completion in FY 26-27



PLANNING COMMISSION: September 6, 2023

Recommended Approval

BOARD OF SUPERVISORS: September 27, 2023

Approved

RESOLUTION

2023-2028 CAPITAL IMPROVEMENTS PLAN (CIP)

WHEREAS, the Frederick County Planning Commission discussed the 2023-2028 Capital Improvements Plan (CIP) at their regular meeting on September 6, 2023. The Planning Commission recommended approval of the CIP and affirmed that the projects contained within the CIP are in conformance with the Comprehensive Plan; and

WHEREAS, the Frederick County Board of Supervisors discussed an update to the CIP at their regular meeting on September 27, 2023; and


WHEREAS, the Frederick County Board of Supervisors supports the inclusion of the additional transportation priorities shown in the updated 2023-2028 CIP and has affirmed the determination of the Planning Commission that the projects contained in the CIP conform to the Comprehensive Plan;

NOW, THEREFORE, BE IT RESOLVED that the Frederick County Board of Supervisors hereby approves proposed updates to the 2023-2028 CIP for Frederick County, Virginia as an element of the Comprehensive Plan.

Passed this 27th day of September 2023 by the following recorded vote:

Charles S. DeHaven, Jr., Chairman	Aye	Shawn L. Graber	Aye
Heather H. Lockridge	Aye	Robert W. Wells	Aye
Blaine P. Dunn	Aye	Josh E. Ludwig	Aye
Judith McCann-Slaughter	Aye		

A COPY ATTEST



Michael L. Bollhofer
Frederick County Administrator