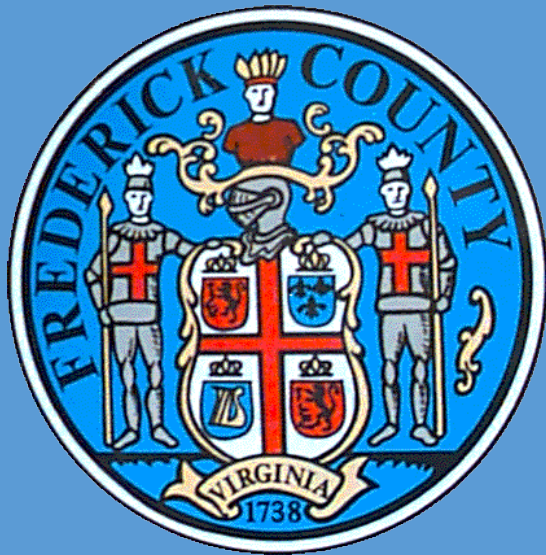


FREDERICK COUNTY, VIRGINIA 2021-2026 CAPITAL IMPROVEMENT PLAN



Adopted by the
Frederick County
Board of Supervisors
February 10, 2021

Recommended by the
Frederick County
Planning Commission
January 20, 2021

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**CAPITAL IMPROVEMENTS PLAN
FREDERICK COUNTY
FY 2021-2026**

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 2035 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 continue to commence and complete capital projects that have been priorities from previous years. The top capital improvement priority for the Schools is the Indian Hollow Elementary School Renovation. The James Wood High School additions and renovations is the second highest priority, followed by the Armel Elementary School renovation and expansion.

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 a recreation center, Old Charlestown Road Park development, and the Indoor Aquatic Center.

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 are two requests from Public Works – the Gore Convenience site expansion and 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 in the CIP – this item enhances the connection between the CIP and proffered contributions made to mitigate the impacts of development projects. 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 Fire & Rescue Station #22, a new facility located in the vicinity of Route 277 that would also provide the ability for an annex facility for other County-related offices. Also identified as priority 1A is the apparatus needed for this facility. Project two includes the construction of Station #23, a new facility located in the vicinity of Crosspointe that would also provide the ability for an annex facility for other County-related offices. Also identified as priority 2A is the apparatus needed for this facility.

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 remains a component of the CIP. This capital expenditure fund is for purchasing additional and replacement capital equipment fire and rescue 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.

Greenwood Fire Station has included requests for the expansion/upgrade of the living quarters and the replacement of two ambulances. Middletown Fire Station is seeking to demolish their original building and first addition and rebuild and connect to the third addition. Clearbrook Fire Station is seeking to demolish their existing structure and build a new station. Stephens City Fire Station is seeking to replace tower 11, and the replacement of two medic units.

Sheriff's Office

The Sheriff's Office has included five 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. Other projects include replacement law enforcement vehicles, mobile and portable radios, and a firearms training simulator.

Public Safety Communications

The Project 25 Public Safety Radio Network is 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.

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 developers and revenue sharing. Implementation of transportation projects does not take away funding for generalized road improvements.

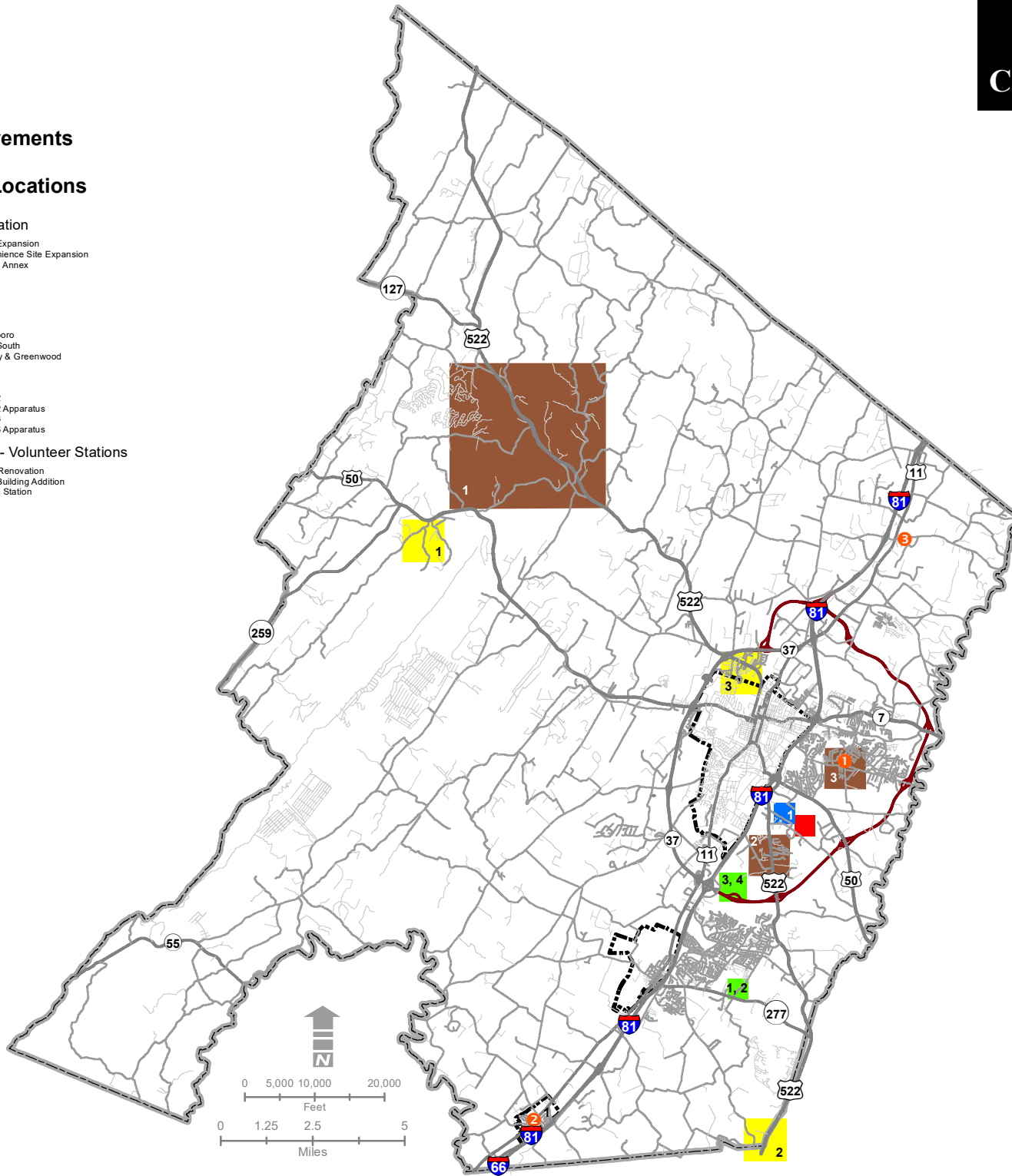
The Transportation Committee has included 20 priority projects. The top three priorities include Route 277 widening and safety improvements (Phase 1), Exit 313 Bridge Replacement and Capacity Improvements, and Renaissance Drive (Phase 2). The inclusion of the Eastern Road Plan Improvements item once 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 the federal and state governments contribute a majority of the funding, with Frederick County and the other jurisdictions providing the remaining funding. The construction of a new general 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.

**2021 - 2026
Capital Improvements
Specific or
Approximate Locations**

- County Administration**
 - 1 Gore Convenience Site Expansion
 - 2 Double Toll Gate Convenience Site Expansion
 - 3 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**
 - 1 Greenwood Station Renovation
 - 2 Middletown Station Building Addition
 - 3 New Clearbrook Fire Station
- Sheriff's Office**
 - 1 Steel Building



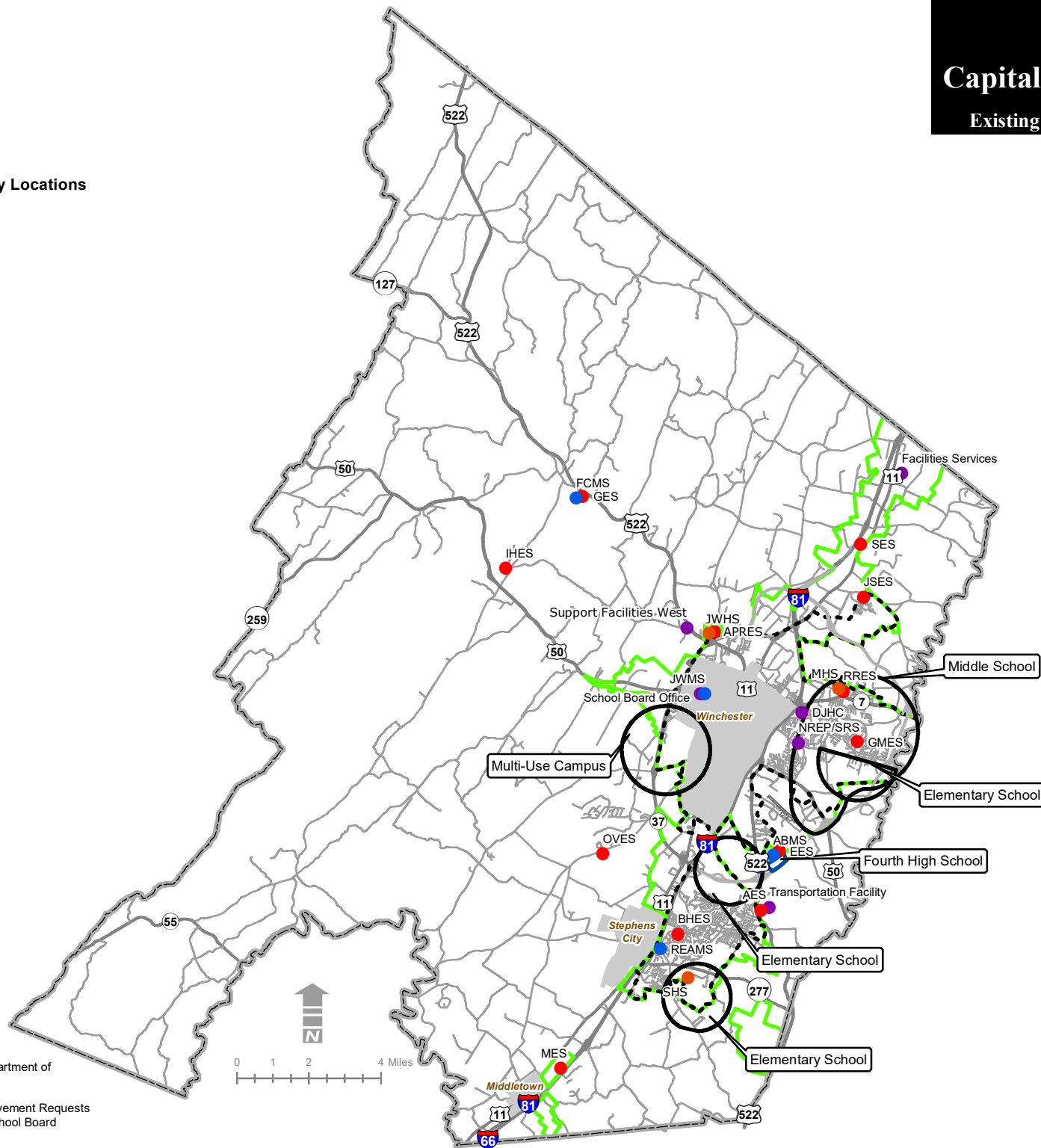
2021 - 2026 Frederick County Capital Improvements Plan

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
12/22/20




School Locations
Are Most
Appropriate
Within the UDA

2021 - 2026 Frederick County Capital Improvements Plan New Parks/Rec Locations





Proposed Parks

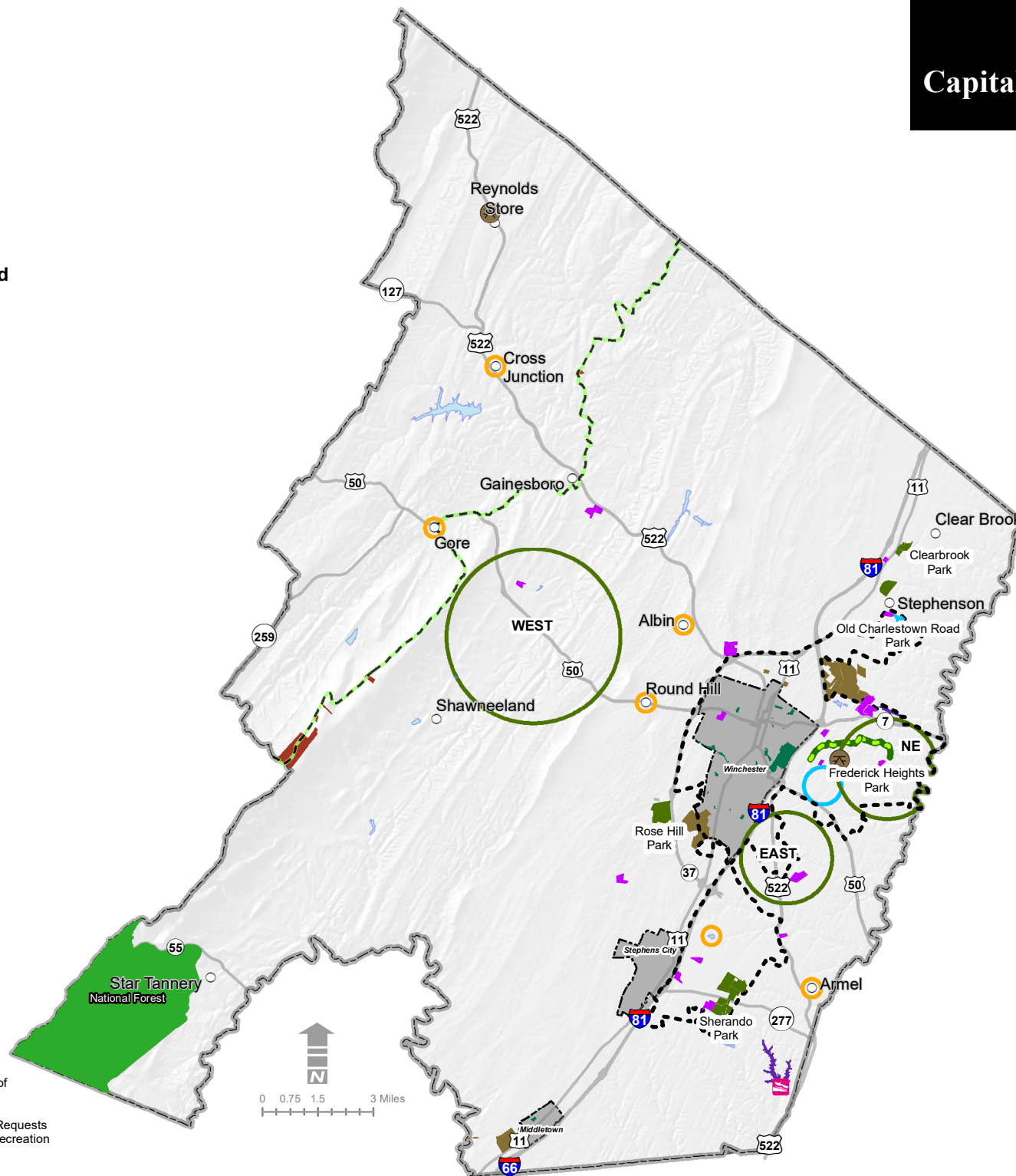
-  District
-  Community
-  Neighborhood
-  Abrams Creek Trail

Existing County Parks

-  District Park
-  Community Park
-  Neighborhood Park

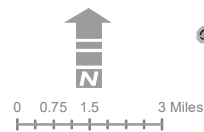
Publicly Accessible Land

-  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
11/9/2020


















2021 - 2026 Frederick County Capital Improvement Plan Transportation Projects

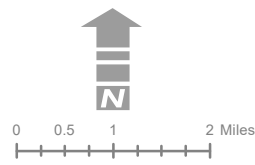
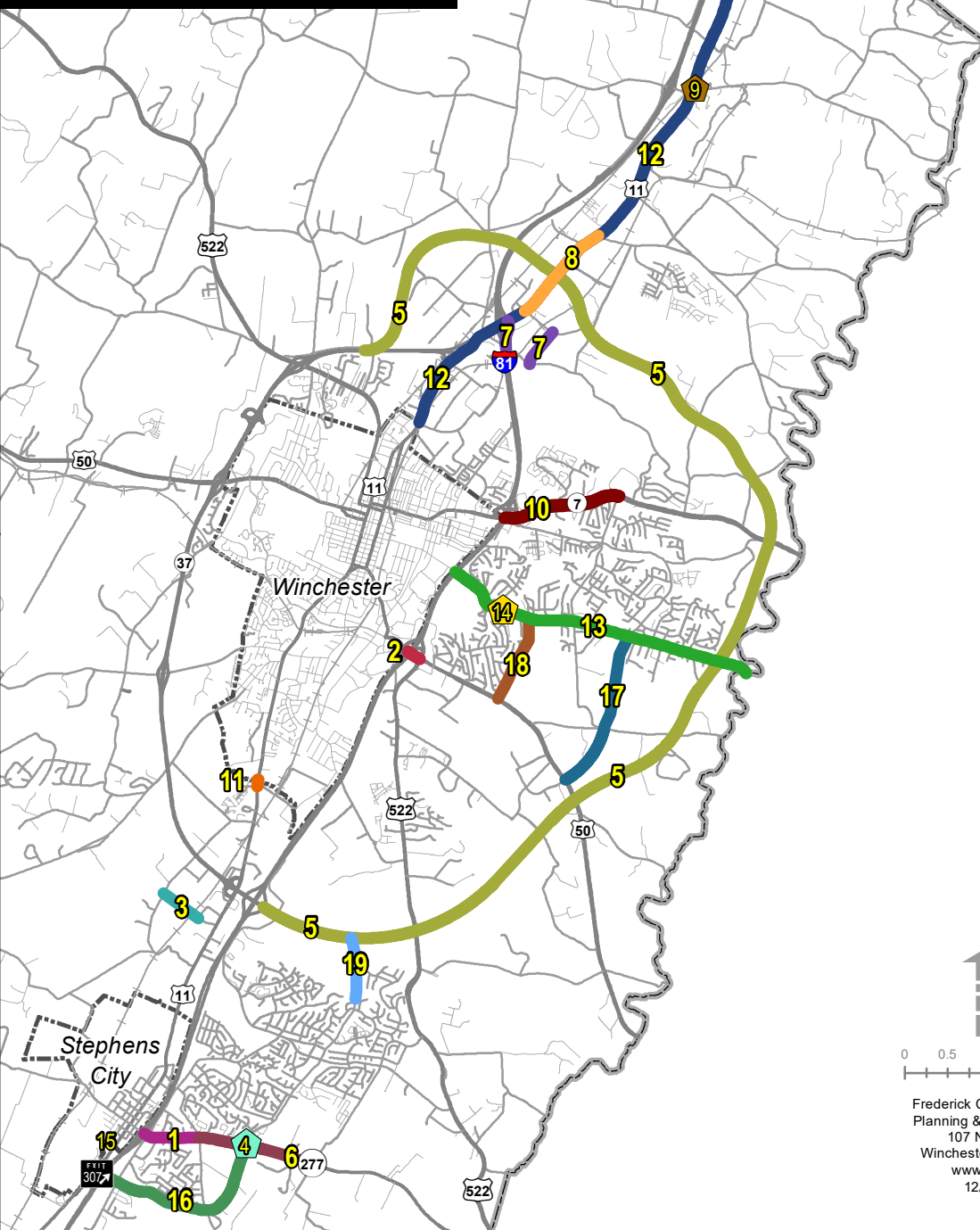
2021 - 2026 Capital Improvement Plan Transportation Projects

Funded Priorities

-  1. ROUTE 277 WIDENING & SAFETY IMPROVEMENTS (PH 1)
-  2. EXIT 313 BRIDGE REPLACEMENT & CAPACITY IMPROVEMENTS
-  3. RENAISSANCE DR, PHASE 2
-  4. ROUTE 277; RT TURN LANE EXTENSION AT WARRIOR DR

Unfunded Priorities

-  5. CONTINUE ROUTE 37 PLANNING & ENGINEERING WORK
-  6. ROUTE 277 WIDENING & SAFETY IMPROVEMENTS (PH 2)
-  7. REDBUD RD & EXIT 317 INTERCHANGE IMPROVEMENTS
-  8. ROUTE 11 N WIDENING FROM SNOWDEN BRIDGE BLVD TO OLD CHARLESTOWN RD
-  9. BRUCETOWN RD/HOPEWELL RD; ALIGNMENT AND INTERSECTION
-  10. ROUTE 7 CORRIDOR IMPROVEMENTS FROM EXIT 315 TO GREENWOOD RD
-  11. ROUTE 11 S WIDENING & INTERSECTION IMPROVEMENTS FROM CITY LIMITS TO OPEQUON CHURCH LN
-  12. ROUTE 11 N OF WINCHESTER WIDENING TO WV LINE
-  13. SENSENY RD WIDENING
-  14. SENSENY RD; TURN LANES AT CRESTLEIGH DR
-  15. I-81 EXIT 307 RELOCATION
-  16. WARRIOR DR EXTENSION TO NEW EXIT 307
-  17. CHANNING DR EXTENSION TO ROUTE 50
-  18. INVERLEE WAY; CONNECTION FROM SENSENY RD TO ROUTE 50
-  19. WARRIOR DR EXTENSION FROM ROUTE 37
-  20. EASTERN ROAD PLAN IMPROVEMENTS



Frederick County Dept of
Planning & Development
107 N Kent St
Winchester, VA 22601
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12/21/20

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 columns, 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 \$339,062,907, this figure excludes Airport requests and transportation projects as these are primarily funded through other sources.

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 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 - 2021-2026 Capital Improvement Plan Requests											
		Contribution Per Fiscal Year									
	Projects - Ranked by Department	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026+	Long Range Comprehensive Plan Projects	County Contributions	Notes	Total Project Costs
Department		Ensuing Fiscal Year	Year 2	Year 3	Year 4	Year 5	Beyond Year 6+				
Public Schools											
	Indian Hollow Elementary School Renovation	\$5,800,000	\$3,800,000	\$2,400,000					\$12,000,000		\$12,000,000
	James Wood High School Additions/Renovations	\$3,600,000	\$30,000,000	\$20,000,000	\$20,000,000				\$73,600,000		\$73,600,000
	Armel Elementary School Renovation/Expansion	\$8,100,000	\$5,400,000	\$2,600,000					\$16,100,000		\$16,100,000
	School Board Office IT Addition		\$4,800,000	\$1,600,000					\$6,400,000		\$6,400,000
	Fourth High School			\$35,300,000	\$23,500,000	\$23,500,000	\$11,700,000		\$94,400,000		\$94,400,000
	Sherando High School Renovation/Expansion										TBD
	Apple Pie Ridge Elementary School Phase 2 Renovation										TBD
	Total	\$17,500,000	\$44,000,000	\$61,900,000	\$43,500,000	\$23,500,000	\$11,700,000		\$202,500,000		\$202,100,000
Parks & Recreation											
	Abrams Creek Greenway Trail	\$479,985	\$508,915	\$1,210,000				\$1,630,000	\$3,828,900		\$3,828,900
	Recreation Center		\$650,000	\$9,250,000					\$9,900,000		\$9,900,000
	Old Charlestown Road Park	\$3,400,000							\$3,400,000		\$3,400,000
	Indoor Aquatic Facility	\$835,000	\$12,000,000						\$12,835,000		\$12,835,000
	Jordan Springs Elementary Gym Addition	\$75,000	\$1,325,000						\$1,400,000		\$1,400,000
	Water Slide/Sprayground		\$1,030,000						\$1,030,000		\$1,030,000
	Sherando Sherando Park Area 1 Rec Access Phase 2	\$100,000	\$1,315,000						\$1,415,000		\$1,415,000
	Clearbrook Clearbrook Park Development	\$220,000	\$200,000						\$420,000		\$420,000
	Sherando Sherando Park Softball Complex	\$115,000	\$1,625,000						\$1,740,000		\$1,740,000
	Sherando Sherando Park Area 3 Development		\$110,000	\$2,350,000					\$2,460,000		\$2,460,000
	Playground Replacement		\$350,000	\$300,000	\$150,000	\$250,000			\$1,050,000		\$1,050,000
	Sherando Sherando Ballfield Light Replacement		\$945,000						\$945,000		\$945,000
	Community Parks			\$1,040,000	\$1,154,000				\$2,194,000		\$2,194,000
	Neighborhood Parks			\$293,000	\$600,000			\$4,131,000	\$5,024,000		\$5,024,000
	Regional Parks					\$5,400,000	\$4,110,000	\$6,320,000	\$15,830,000		\$15,830,000
	Sherando South Sherando Park Development						\$2,465,000		\$2,465,000		\$2,465,000
	National Guard Armory Gym Addition				\$630,000				\$630,000		\$630,000
	Fleet Trip Vehicles							\$340,000	\$340,000		\$340,000
	Sherando SH Park Area 1 and 2 Development				\$3,450,000				\$3,450,000		\$3,450,000
	Indoor Ice Rink							\$6,930,000	\$6,930,000		\$6,930,000
	Total	\$5,224,985	\$20,058,915	\$14,443,000	\$5,984,000	\$5,650,000	\$6,575,000	\$17,721,000	\$77,286,900		\$77,286,900
Regional Library											
	Gainesboro Library	\$155,023	\$1,340,000	\$225,736	\$128,275				\$1,849,034		\$1,849,034
	Senseny/Greenwood Library								TBD		TBD
	522 South Library								TBD		TBD
	Total	\$155,023	\$1,340,000	\$225,736	\$128,275	\$0	\$0		\$1,849,034		\$1,849,034
County Administration											
	Gore Convenience Site Expansion	\$750,000							\$750,000	E	\$750,000
	Double Toll Gate Convenience Site		\$35,000	\$550,000					\$585,000		\$585,000
	County Office Annex (Sunnyside)						TBD	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		E	TBD
	Joint Judicial Center New Facility						TBD	TBD			TBD
	Total	\$950,000	\$235,000	\$750,000	\$200,000	\$200,000	\$0		\$2,335,000		\$2,335,000

		Contribution Per Fiscal Year									
	Projects - Ranked by Department	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026+	Long Range Comprehensive Plan Projects	County Contributions	Notes	Total Project Costs
Public Safety - Fire and Rescue, Sheriff's Office and Communications											
Fire & Rescue	Frederick County Fire & Rescue Station 22			\$7,500,000					\$7,500,000		\$7,500,000
	Station 22 Apparatus			\$1,100,000					\$1,100,000		\$1,100,000
	Fire and Rescue Station 23 / Annex Facilities						\$7,000,000		\$7,000,000		\$7,000,000
	Station 23 Apparatus						\$1,100,000		\$1,100,000		\$1,100,000
	Total	\$0	\$0	\$8,600,000	\$0	\$0	\$8,100,000	\$0	\$16,700,000		\$16,700,000
Fire & Rescue Company Capital Requests	Fire & Rescue Capital Equipment	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000			\$1,000,000	E	\$1,000,000
Fire & Rescue Company Capital Requests <i>including capital equipment requests</i>	Greenwood Fire Station Upgrade/Expand Living Quarters	\$1,500,000									\$1,500,000
	Greenwood Fire Station Ambulance Replacement Program		\$310,000		\$385,000						\$695,000
	Middletown Station Building Renovation/Addition										TBD
	Clearbrook - New Fire Station	\$50,000	\$205,000	\$4,575,000							\$4,830,000
	Stephens City Station - Tower 11 Replacement		\$130,000	\$1,170,000							\$1,300,000
	Stephens City Station - Medic Unit Replacement (11-2)	\$240,000									\$240,000
Stephens City Station - Medic Unit Replacement (11-3)						\$280,000				\$280,000	
Total	\$1,700,000	\$510,000	\$200,000	\$0	\$200,000	\$280,000	\$0	\$1,000,000			\$9,845,000
Sheriffs Office	Eight Bay Steel Building for Large Vehicles	\$320,000							\$320,000		\$320,000
	Replacement Law Enforcement Vehicles	\$870,000	\$870,000	\$870,000	\$870,000	\$870,000	\$870,000	continuous	\$5,220,000		\$5,220,000
	Apex 8500 Mobile Radios	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	continuous	\$1,200,000		\$1,200,000
	Apex 8000 Portable Radios	\$187,500	\$187,500	\$187,500	\$187,500	\$187,500	\$187,500	continuous	\$1,125,000		\$1,125,000
	Firearms Training Simulator	\$100,000									\$100,000
	Total	\$1,677,500	\$1,257,500	\$1,257,500	\$1,257,500	\$1,257,500	\$1,257,500	\$0	7,865,000		
Communications	Project 25 Public Safety Radio Network	\$4,196,395	\$6,294,592	\$6,294,592	\$2,098,197	\$2,098,197					\$20,981,973
Total											\$20,981,973
Total of All Categories		\$27,207,508	\$67,401,415	\$87,376,236	\$51,069,775	\$30,807,500	\$27,912,500	\$17,721,000	\$309,535,934		\$339,062,907

Other Funding Sources:

E= Partial funding anticipated through development & revenue sources
TBD= To be Determined

Table 2 - Transportation Projects - CIP Requests											
		Contribution Per Fiscal Year									
	Projects - Ranked by Agency	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026+	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											
	Route 277, Fairfax Pike, Widening and Safety Improvements (ph 1)	\$37,012,924							\$37,012,924	E	\$37,012,924
	Exit 313 Bridge Replacement and Capacity Improvements	\$35,123,000							\$35,123,000	E	\$35,123,000
	Renaissance Drive, Phase 2	\$4,223,000							\$4,223,000	E	\$4,223,000
	Route 277 right turn extension Warrior Drive	\$490,943							\$490,943	E	\$490,943
Unfunded Priorities											
	Route 37 Engineering & Construction							\$772,500,000	\$772,500,000	E	\$772,500,000
	Route 277, Fairfax Pike, Widening and Safety Improvements (ph 2)							\$26,191,407	\$26,191,407	E	\$26,191,407
	Redbud Road Realignment and Exit 317 Interchange Improvements							\$0	\$0		
	Widening of Route 11 North (ph 1)							\$11,576,306	\$11,576,306	E	\$11,576,306
	Brucetown/Hopewell Realign.							\$29,196,504	\$29,196,504	E	\$29,196,504
	Route 7 Corridor Improvements Exit 315 to Greenwood							\$8,240,000	\$8,240,000	E	\$8,240,000
	Route 11 S Widening and Intersection Improvements from Winchester City Limits to Opequon Church Lane							\$5,150,000	\$5,150,000		\$5,150,000
	Route 11 S Widening and Intersection Improvements from Winchester City Limits to Opequon Church Lane							\$3,399,000	\$3,399,000	E	\$3,399,000
	Widening of Route 11 North (ph2)							\$197,760,000	\$197,760,000	E	\$197,760,000
	Senseny Road Widening							\$69,010,000	\$69,010,000	E	\$69,010,000
	Senseny Road turn lanes/improvements Crestleigh Drive							\$2,625,036	\$2,625,036	E	\$2,625,036
	I-81 Exit 307 Relocation with 4 In connection to Double Church and Stephens City Bypass							\$241,283,133	\$241,283,133	E	\$241,283,133
	Warrior Drive Extension (south)							\$48,410,000	\$48,410,000	E	\$48,410,000
	Channing Drive Extension							\$46,350,000	\$46,350,000	E	\$46,350,000
	Inverlee Way							\$28,119,000	\$28,119,000	E	\$28,119,000
	Warrior Drive Extension (Crosspointe south)							\$34,505,000	\$34,505,000	E	\$34,505,000
	Eastern Road Plan Improvements							TBD	TBD	E	TBD
Total		\$76,849,868	\$0	\$0	\$0	\$0	\$0	\$1,524,315,386	\$1,601,165,253		\$1,601,165,253

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						Long Range Comprehensive Plan Projects	County Contributions	Notes	Total Project Costs
	2021-2022	2022-2023	2023-2024	2024-2025	2025-2026	2026+				
	Ensuing Fiscal Year	Year 2	Year 3	Year 4	Year 5	Beyond Year 6+				
New Aviation Terminal	\$1,724,000		\$4,580,000	\$85,000					A,B,C	\$6,389,000
Taxiway "A" Relocation		\$4,130,000		\$4,150,000	\$4,444,444	\$4,444,444	\$4,444,444		A,B,C	\$17,168,888
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 Easements					\$100,000				A,B,C	\$100,000
Northside Site Prep				500000					A,B,C	\$500,000
Northside Access Road					\$700,000				A,B,C	\$700,000
Fuel Storage Facility							\$600,000		A,B,C	\$600,000
Total	\$1,724,000	\$4,130,000	\$4,580,000	\$4,935,000	\$5,394,444	\$4,444,444				\$25,807,888

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.

APPENDIX

PROJECT DESCRIPTIONS

Frederick County Public Schools Project Priority List

PRIORITY 1 – Indian Hollow Elementary School Renovation

Description: Indian Hollow Elementary School opened in 1988 and has served continuously as an elementary school since that time. The school and auxiliary buildings contain 59,065 square feet. The school has a program capacity of 442 students. Currently the building serves grades K-5. This renovation needs to address the exterior wall, windows, & doors, and the HVAC. Repairing the exterior walls is a pressing need.

Capital Cost: \$12,000,000

Justification: Indian Hollow Elementary School is 32 years old and renovation is needed to these few areas to empower FCPS staff to operate the building economically and efficiently until a full renovation can be accomplished.

Construction Schedule: FY 23-24

PRIORITY 2 – James Wood High School Renovations and Additions

Description: James Wood High School opened in 1980 and has served as a high school since that time. The school and all auxiliary buildings total 229,187 square feet and has a program capacity of 1,283 students. The building serves grades 9-12. The building is in good condition; however, several major areas need to be addressed in a renovation. Foci of the renovation will include modification of instructional areas to support modern, student-centered instructional delivery, mechanical, electrical, plumbing, technology, finishes, and site.

Capital Cost: \$73,600,000

Justification: James Wood High School is 40 years old. Renovations and additions are needed to a number of areas to support effective, economical, and efficient operation of the school for years to come. This school will be renovated to be more like the 4th HS, the new Frederick County MS, and the Aylor MS replacement, 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.

Construction Schedule: FY 24-25

PRIORITY 3 - 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 September 15, 2020, the school has 607 students. Eight classrooms will be added to Armel ES, to accommodate the additional growth at Lake Frederick. The existing

facility will be updated as needed and core areas partially renovated to serve the additional students.

Capital Cost: \$16,10,000

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 23-24

PRIORITY 4 – School Board Office IT Addition

Description: This project would put the entire department together in one purpose-built facility. It would be a separate building located near the Administrative Offices on James Wood Middle School property. The new facility would be a 15,000 square foot building with storage areas, work areas, offices, cubicles, conference rooms, a customer service area, customer parking, a loading dock, and parking for IT work vehicles.

Capital Cost: \$6,400,000

Justification: Frederick County Public Schools IT Department is currently located in three areas inside the Administrative Offices and four trailers behind the offices. Being situated in multiple locations that are not purpose built for the administration of the school division's technology systems creates significant time-consuming inefficiencies.

Construction Schedule: FY 23-24

PRIORITY 5 – Fourth High School

Description: The new high school project is proposed to serve students grades 9-12 with a program capacity of 1,250 students and will address 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 Frederick County 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: \$94,000,000

Justification: This project will address expected growth in high school student enrollment in the school division over the next several years. We propose to open the new high school in the fall of 2027.

Construction Schedule: Beyond 2026

PRIORITY 6 – Sherando High School Renovations and 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 major areas need to be addressed in a renovation, including reorganization and addition of classroom 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: TBD

Justification: Sherando is 27 years old and will be at least 32 years old 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 of varying sizes 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: TBD

PRIORITY 7 – 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 contain 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 open classroom space, ADA compliance, energy conservation, security, and upgrades of fire alarms, electrical, plumbing, and mechanical systems.

Capital Cost: TBD

Justification: Apple Pie Ridge Elementary School is 46 years old and renovation is needed to a number of areas to ensure the economical and efficient operations of the school for years to come.

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 six 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. VDOT Transportation Alternatives (TA) Highway Safety Improvement Program (HSIP) funds are allocated for the project in the schedule above. Funds for Phases II and III are not yet secured. Grant funding will be pursued for these phases.

Capital Cost: \$3,828,900

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 2017 Frederick County Parks and Recreation Community Survey, and the 2012 Virginia Outdoors Plan Survey.

Construction Schedule: Phase I – FY 22-23, Phase II and III – Beyond FY 26

The construction schedule will follow VDOT funding. Phase I is funded through VDOT with design scheduled for FY 21, construction FY 22, and 23. Phase 1-3 Beyond FY 26

PRIORITY 2 – 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: \$9,900,000

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 23-24

PRIORITY 3 – 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, restroom, and parking are part of the park concept.

Capital Cost: \$3,400,000

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 of Frederick County.

Construction Schedule: Completion in FY 21-22

PRIORITY 4 – Indoor Aquatic Facility

Description: The approximately 35,000sf 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 HS level swim teams.

Capital Cost: \$12,835,000

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 22-23

PRIORITY 5 – Gym Addition – Jordan Springs Elementary School

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: \$1,400,000

Justification: The model in place since Orchard View Elementary was built in 2000 added gymnasium and multipurpose space to subsequent 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. 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 22-23

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: \$970,000

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 22-23

PRIORITY 7 – Sherando Park Area 1 Recreation Access Phase 2

Description: This project continues the development vision for the NW 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: \$1,415,000

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 2017 Frederick County Parks and Recreation Community Survey.

Construction Schedule: Completion in FY 22-23

PRIORITY 8– Clearbrook Park

Description: This project implements the development vision for the NE 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: \$420,000

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 22-23

PRIORITY 9 - Sherando Park North - Softball Complex

Description: This project completes the development vision for the SE 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: \$1,740,000

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. 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 to meet the growing need for diamond field space and tournament opportunities.

Construction Schedule: Completion in FY 22-23

PRIORITY 10 - Sherando Park Area 3 Development

Description: This project completes the development vision for the SW 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: \$2,460,000

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 N 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 23-24

PRIORITY 11 - Playground Replacement

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

Capital Cost: \$1,050,000

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 four-year schedule is proposed. Year 1: CB main playground, Frederick Heights. Year 2: CB 2nd playground, SH 2nd playground. Year 3: SH 3rd playground. Year 4: SH Main playground. FY22-26

PRIORITY 12 – Sherando Ballfield Lighting Replacement

Description: Upgrade the ballfield lighting at Sherando Parks 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) four 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.

Acquisition of Parkland (35 acres)

Capital Cost: \$945,000

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 22-23

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 would include:

Acquisition of Parkland; 35 acres

- Paved & Gravel Paths
- Playground
- Tot lot
- Shelters
- Lighted Basketball & Tennis courts

Capital Cost: \$2,194,000

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 24-25

PRIORITY 14 – Neighborhood Parks

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

Acquisition of Parkland, 10 acres per site

- Paved Path
- Playground

- Shelter
- Hard Surface Courts
- Open Play Fields

Capital Cost: \$5,024,000

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 2017 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 FY26

PRIORITY 15 – Regional Park

Description: Acquisition of Parkland:

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

Capital Cost: \$15,830,000

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

Construction Schedule: Beyond FY26

PRIORITY 16 - S. 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: \$2,465,000

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

Construction Schedule: Completion in FY 25-26

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: \$630,000

Justification: The model in place since Orchard View Elementary was built in 2000 added gymnasium and multipurpose 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: Completion in FY 24-25

PRIORITY 18 – Fleet Trip Vehicles

Description:

Bus #1 – 40-50 Passenger Bus

Bus #2 – 30-40 Passenger Bus

Van #1 – 12 Passenger Van

Capital Cost: \$325,000

Justification: To offer a comprehensive package of trips where the population of Frederick County could begin to rely on the Parks and Recreation Department to meet their trip needs.

Construction Schedule: Beyond FY 26

PRIORITY 19 – N 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: \$3,450,000

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 2017 Frederick County Parks and Recreation Community Survey.

Construction Schedule: Completion in FY 24-25

PRIORITY 20 – 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: \$6,930,000

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 2017 FCPRD Community Survey.

Construction Schedule: Beyond FY 26

Handley Regional Library Project Priority List

PRIORITY 1 - Frederick County Library Branch - Gainesboro

Description: Construction of a 4,000-5,000sf 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 six years ago.

Capital Cost: \$1,849,034

Justification: This branch would serve citizens living in this growing area: In 2018-2019 Frederick County citizens of all ages checked out 460,355 (traditional) + 96,928 (electronic) = 557,283 items. 32,570 Frederick County residents have library cards and averaged 64.7% of all materials checked out of the regional system. (inactive users were purged 11/18 per state requirements) As of June 2019, 2850 new cards were registered. Frederick County residents, adults, and children registered for library cards for the first time in 2018-2019. (Note: Due to CV19 shutdown the data above is from the previous FY which is representative of a normal year.) 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 24-25

PRIORITY 2 - Frederick County Library Branch - Senseny/Greenwood

Description: Construction of a 10,00sf 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 2018-2019 Frederick County citizens of all ages checked out 460,355 (traditional) + 96,928 (electronic) = 557,283 items. 32,570 Frederick County residents have library cards and averaged

64.7 % of all materials checked out of the regional system. (inactive users were purged 11/18 per state requirements) As of June 2019, 2850 new registrations Frederick County residents, adults, and children, registered for library cards for the first time in 2018-2019. (Note: Due to CV19 outbreak and shut down the previous year's data is being utilized which is representative of a normal year.) 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 FY26

PRIORITY 3 – 522 South Library

Description: Construction of a 7,000sf 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 2018-2019 Frederick County citizens of all ages checked out 460,355 (traditional) + 96,928 (electronic) = 557,283 items. 32,570 Frederick County residents have library cards and averaged 64.7 % of all materials checked out of the regional system. (Inactive users were purged 11/18 per state requirements) As of June 2019, 2850 new registrations (these are end of FY numbers for each year.) Frederick County residents, adults, and children registered for library cards for the first time in 2018-2019. (Note: Due to CV19 shutdown, previous year data is utilized here as representative of a normal year) This population group in the Opequon district is not close to a library in the regional system. This new Library will serve an area of Frederick County largely unserved by our current branches. 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 FY26

County Administration and Public Works Project Priority List

PRIORITY 1 - Gore Citizens Convenience Site

Description: The project will expand refuse capacity and improve efficiency of collection in the Gore community by installing a surplus trash compactor. Converting the Gore facility from one which utilizes 10 8-yard boxes for refuse collection to one that uses a trash compactor will drive down collection costs dramatically. In order to accomplish this, and account for improved trash flow and the construction of a compactor and recycling staging area, the site will be expanded onto an adjoining parcel already owned by the county. This construction will take place over a period of months.

Capital Cost: \$750,000

Justification: A total of 3,785 vehicle trips were made to the facility during August 2020, an increase of 7 percent in usage. 2019 showed a growth of 10 percent. On a typical Sunday, up to 183 vehicles drop off trash, filling the site's refuse collection cans to capacity. The project will pay for itself in lower refuse collection costs through compaction of solid waste prior to transport. Also, with a compactor in place, refuse will be contained in an enclosed receiver can, reducing odor, vectors and blowing litter, all of which are challenges of using open collection cans. Project will provide much-needed capacity during heavy trash flow times such as holidays and weekends. At times, the site is forced to close early. The Public Works Committee supports this project. Basic design work has already taken place in the current fiscal year. Construction is planned for FY 21/22.

Construction Schedule: Completion in FY 21-22

PRIORITY 2 - Double Toll Gate Citizens' Convenience Site - Expansion

Description: The project will expand refuse capacity in the growing Double Toll Gate, Lake Frederick, Stephens City and Armel communities by adding a second trash compactor and poured concrete wall. The current site is situated in Clarke County and is leased from the state at no cost. The facility also serves Clarke residents. Clarke shares in collection and disposal costs (21 percent) while Frederick maintains the site and provides labor. This construction will take place over a period of months.

Capital Cost: \$585,000

Justification: A total of 8,654 vehicle trips were made to the facility during August 2020, an increase of 11 percent in usage. 2019 also showed a hike of 11 percent over 2018. An average of 321 vehicle trips are made to the facility each day, making it one of the county's busiest refuse and recycling sites. With a second compactor in place, capacity and traffic flow would be enhanced and the need to close early on holidays and weekends eliminated. 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. The Public Works Committee supports this project. Design work would take place in FY 22/23. Construction is planned for FY 23/24.

Construction Schedule: Completion in FY 21-22

PRIORITY 3– 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 (TDB) 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 4 - 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 5 - 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 6 - 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: Construct a three-bay Fire and Rescue Station with availability for satellite Sheriff's office and County office space for Treasurer's, Commissioner of the Revenue, and BOS office with meeting room. The station will be located in the area of Fairfax Pike, White Oak Road and Tasker Road to provide service for the heavy growth area east of Stephens City. An approximate three-acre site will be needed to accommodate this facility. The fire station will be approximately a 15,000 sq ft facility to house an engine and ambulance. Those who would occupy the facility will determine the size of the satellite offices.

Capital Cost: \$7,500,000

Justification: Development near this area will necessitate the development of this station. The Lake Frederick development is scheduled to be an active adult resort gated community with age restrictions on 80% of the homes above 55 and the other 20% above 45. The developer's master plan will allow for 2130 individual dwelling units using a mix of housing types.

Construction Schedule: Completion in FY 24-25

PRIORITY 1A - Frederick County Fire and Rescue Station 22 Apparatus

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 22.

Capital Cost: \$1,100,000

Justification: This fire and rescue apparatus will be assigned to Fire and Rescue Station 22 located on Fairfax Pike East area of Frederick County. The pumper will be built to N.F.P.A. 1901 specifications and equipped with all required and necessary equipment to function as a Class A Pumper. The ambulance will be built to the Federal KKK-A-1822E specifications and equipped with all required and necessary equipment to function as an Advanced Life Support ambulance.

Construction Schedule: Completion in FY 24-25

PRIORITY 2 - Fire and Rescue Station 23 / Annex Facilities

Description: Construct three-bay fire station with availability for satellite offices for the Frederick County Sheriff's Office, Treasurer's Office, and Commissioner of Revenue, and BOS office with meeting room. square feet of building area. An approximately three-acre site will be needed to accommodate the facility. The fire station will be approximately a 15,000 sq ft facility to house an

engine and ambulance. Those who would occupy the facility will determine the size of the satellite offices. The project is located at Crosspointe Center at the end of current Rt. 37 South, an area of proposed high-density residential and commercial development.

Capital Cost: \$7,500,000

Justification: As commercial and residential developments continue to expand in this area of Frederick County, and with the increased traffic on Rt. 37 and I-81, the calls for emergency services increases as well. To address the needs of the growing community and to maintain efficient response times, the addition of a new fire and rescue station is needed.

Construction Schedule: Completion in FY 26-27

PRIORITY 2A - Frederick County Fire and Rescue Station 23 Apparatus

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: \$1,100,000

Justification: This fire and rescue apparatus will be assigned to Fire and Rescue Station 22 located on Fairfax Pike East area of Frederick County. The pumper will be built to N.F.P.A. 1901 specifications and equipped with all required and necessary equipment to function as a Class A Pumper. The ambulance will be built to the Federal KKK-A-1822E specifications and equipped with all of the required and necessary equipment to function as an Advanced Life Support ambulance.

Construction Schedule: Completion in FY 26-27.

PRIORITY 3- Capital Equipment Fire & Rescue – Vehicles & Equipment

Description: This project consists of a revolving fund in the amount of \$1,000,000 for the benefit of Fire and Rescue Services. It is the intention of this capital expenditure fund to be for the purpose of purchasing additional and replacement capital equipment fire and rescue vehicles and equipment. 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.

Capital Cost: \$1,000,000

Justification: The inclusion of this capital expenditure fund for the purpose of purchasing additional and replacement capital equipment AND fire and rescue vehicles and equipment, 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 fire and rescue companies.

Construction Schedule: N/A

Individual Fire & Rescue Company Capital and Capital Equipment Requests.

Greenwood Fire Station – Upgrade / Expand Living Quarters

Description: Living Quarters Upgrade / Expansion project. This will include remodeling the upstairs (2nd floor) portion of the building, approximately 4,638 sq. ft. of living space. The project will convert the existing open space to add six (6) bunk rooms with four (4) beds in each room; upgrade the existing kitchen; add bathroom facilities for male and female, with each containing lockers and shower facilities. The upgrade will add a training room and a fitness area to the 2nd floor. The project will also include a renovation of the 1st floor to add office/meeting space and personnel recovery area.

Capital Cost: \$650,000

Justification: Greenwood will be remodeling the day room, bunk rooms, and work areas to accommodate the additional Staff and Volunteers that are providing fire and rescue service. The existing space is outdated and will not accommodate the potential additional staff that will be assigned to our Station.

Construction Schedule: Completion in FY 21-22

Greenwood Fire Station – Ambulance Replacement Program

Description: Ambulance Replacement program (Two Ambulances).

Capital Cost: \$695,000

Justification: Greenwood is one of the busiest stations in the county responding to approximately 2,600 (estimated) EMS calls per year. Replacement is needed due to the wear and tear on the existing fleet of ambulances.

Construction Schedule: Multi-year objective (FY 22-23 and FY 24-25)

Middletown Volunteer Fire and Rescue Company– Building Renovation and Addition

Description: Demolish original building and 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.

Capital Cost: TBD

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 short ceiling that restricts what can be parked in that section.

Construction Schedule: TBD

Clearbrook Fire Station – New Fire Station

Description: At the present time the Clear Brook Vol. Fire & Rescue has outgrown the existing building with the equipment on hand, the call volume, the staffing of 24-hour personnel and the traffic at the existing location. We are proposing a new building to be located within the Clear Brooks first due area. The building needs to be approximately a 100x100 Administration and living with a 100x60 / 4 - Truck Bay all single level. The building will be used for day-to-day operations, administration, eating and sleeping facility of the current career staffing, volunteers, and future staffing.

The estimated size of the structure is to be approximately 16,000 square feet. This upgrade of the facility will help to provide the needed space for Fire and EMS services for the community of Clear Brook.

Capital Cost: \$4,830,000

Justification: With the current facility and needed for upgrade in living quarters to accommodate the overnight personnel 24 hours and volunteers, this is of the utmost priority. At the current time we have outgrown our facility and with the equipment that we have to provide the service to our community for the health and property protection and with the current staffing needs and fund-raising operations our current facility is in need of upgrading/updating.

Construction Schedule: FY 23-24

Stephens City Fire and Rescue Company– Tower 11 Replacement

Description: Replacement of a 1986 custom chassis ladder tower truck with a new year custom chassis ladder tower truck. The apparatus will be built to N. F.P. A. 1901 specifications and equipped with the required tools and appliances to meet ISO standards at the time of build. The apparatus will meet NFP A standards and ISO requirements at the time of design. A steering/ design committee is currently in place and meeting regarding the design process.

Capital Cost: \$1,300,000

Justification:

1. Personnel Safety - Many of the changes in the new standards deal with safety and cannot be retrofitted to existing fire apparatus.

2. Condition of Major Components - An examination of the major components of an apparatus has been made including the drive train, transmission, engine, ladder, platform, hydraulic systems, pump, chassis, and body. These components are approaching the expected service life or have already been replaced.

3. Availability of Replacement Parts - As apparatus get older, replacement parts may become more difficult to obtain, leading to longer periods of "down time."

Construction Schedule: FY 22-23

Stephens City Fire and Rescue Company– Medic Unit Replacement (type 1) UNIT 11-2

Description: Replacement of a commercial chassis medic unit with a new commercial chassis custom Type 1 Medic Unit. The unit will be built to the Federal KKK-A-1822E or NFPA 1917 specifications and equipped with all required and necessary equipment to function as an advanced Life Support transport unit. The apparatus will meet NFPA 1917/KKK-A-1822E standards and ISO requirements at the time of design, to include the required patient restrain and lift system and environmental controls needed for medicines required for EMS.

Capital Cost: \$240,000

Justification:

1. Personnel Safety - Many of the changes in the new standards deal with safety and cannot be retrofitted to existing EMS apparatus.

2. Condition of Major Components -An examination of the major components of an apparatus has been made including the drive train, transmission, engine, chassis, and patient compartment. These components are approaching the expected service life.

3. Changes in National Standards and Federal Mandates - Compliance with present Federal KKK-A-1822E, NFPA 1500, Standard on Fire Service Occupational Safety and Health Program and NFPA 1917, Standard for Automotive Ambulances.

Construction Schedule: FY 21-22

Stephens City Fire and Rescue Company– Ambulance/Medic Unit Replacement (Type 1) Existing 11-3

Description: Replacement of a commercial chassis medic unit with a new commercial chassis custom Type 1 Medic Unit. The unit will be built to the Federal KKK-A-1822E or NFPA 1917 specifications and equipped with all of the required and necessary equipment to function as an advanced Life Support transport unit. The apparatus will meet NFPA 1917/KKK-A-1822E standards and ISO requirements at the time of design, to include the required patient restrain and lift system and environmental controls needed for medicines required for EMS.

Capital Cost: \$280,000

Justification: 1. Personnel Safety - Many of the changes in the new standards deal with safety and cannot be retrofitted to existing EMS apparatus.

2. Condition of Major Components -An examination of the major components of an apparatus has been made including the drive train, transmission, engine, chassis, and patient compartment. These components are approaching the expected service life.

3. Changes in National Standards and Federal Mandates - Compliance with present Federal KKK-A-1822E, NFPA 1500, Standard on Fire Service Occupational Safety and Health Program and NFPA 1917, Standard for Automotive Ambulances.

Construction Schedule: Beyond FY 26

Sheriff's Office Project Priority List

PRIORITY 1 – 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 Public Safety Building. The building will allow for the maintenance, storage, security of all the large, specialized vehicles that are required for the special operations teams. 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 must be maintained at certain temperatures to function at a moment's notice. This project will ensure the equipment is ready at all times. Due to the simplicity of the building style and materials and the readily availability of the land, this building can be completed in a years' time.

Construction Schedule: Completion in FY 20-21.

PRIORITY 2 – Replacement Law Enforcement Vehicles

Description: This project is to indicate projected cost of replacement vehicles to the fleet of the Frederick County Sheriff's Office over the next five years. This will ensure the replacement of end of service life vehicles to the Sheriff's Office fleet as well as cost effectiveness for repairs to failing vehicles.

Capital Cost: \$5,220,000

Justification: This project is needed to meet the basic requirements for Law Enforcement Officers when responding to calls, patrolling of the county, community safety and safety of the Officers. This will offset the cost of purchasing vehicles that were not replaced during the 2010-2012 budget years due to budget restraints. This schedule would drop the cost of purchasing 46 vehicles per year to approximately 25 per year on a rotating basis.

Construction Schedule: Multi-year objective

PRIORITY 3 – Apex 8500 Mobile Radios

Description: This project is in conjunction with the implemented vehicle replacement timeline. This project will update the mobile radio system for each replaced vehicle. The Sheriff's Office has been recycling all the old radio systems from previous vehicles for so long that the current equipment is obsolete. This equipment will be inter-operable with any band radio system that the County decides to go with after the radio study.

Capital Cost: \$1,200,000

Justification: This project is needed for equipping all timeline replaced vehicles with current and up to date radio systems to communicate with the Emergency Communication Center. This project will also be P-25 and narrow band compliant as outlined by FCC regulations.

Construction Schedule: Multi-year objective

PRIORITY 4 – Apex 8000 Portable Radios

Description: This project is in conjunction with the implemented mobile radio replacement timeline. This project will update the portable radio system for each replaced vehicle. The Sheriff's Office has been recycling all the old portable radio systems for so long that the current equipment is obsolete.

Capital Cost: \$1,125,000

Justification: This project is needed for equipping all timeline replaced portables with current and up to date radio systems to communicate with the Emergency Communication Center. This project will also be P-25 and narrow band compliant as outlined by FCC regulations. This project is need for all the specialty teams that operate outside of their vehicle while on call outs and rescue missions.

Construction Schedule: Multi-year objective

PRIORITY 5 – 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's 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: \$100,000

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: FY 21-22

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

Transportation Committee Project Priority List

Funded Priorities

PRIORITY 1 - Route 277 Widening and Safety Improvements (Ph 1)

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

Capital Cost: \$37,012,924

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 2 – Exit 313 Bridge Replacement and Capacity Improvements

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

Capital Cost: \$35,123,000

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 3 - Renaissance Drive, Phase 2

Description: Construct a connector road and Railroad Crossing between Route 11 and Shady Elm Drive.

Capital Cost: \$4,223,000

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 4 - 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: \$490,943

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

Construction Schedule: TBD

Unfunded Priorities

PRIORITY 5 - 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: \$772,500,000

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 6 - 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: \$26,191,407

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 7- Redbud Road Realignment and Exit 317 Interchange Improvements

Description: Realign Redbud Road from its current location through development land in the vicinity of Route 11 north and Snowden Bridge Boulevard and interchange upgrades to improve traffic flow and safety.

Capital Cost: \$11,576,306

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 8 - Route 11 North Widening to 6 Lanes from Snowden Bridge Boulevard to Old Charlestown Road

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

Capital Cost: \$29,196,504

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 9 - 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: \$8,240,000

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 10 – 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: \$5,150,000

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 11 – 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: \$3,399,000

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 12- Widening of Route 11 North to the West Virginia State Line

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

Capital Cost: \$197,760,000

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 13 - 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: \$69,010,000

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 14 - 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: \$2,625,036

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

Construction Schedule: TBD

PRIORITY 15- Interstate 81, Exit 307 Relocation

Description: Construct a relocated Exit 307 interchange.

Capital Cost: \$241,283,133

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 16- Warrior Drive Extension

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: \$48,410,000

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 17 - 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: \$46,350,000

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 18 - 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: \$28,119,000

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 19 - 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: \$34,505,000

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 20 - 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: \$6,389,000

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 24-25

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: \$17,168,888

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: Beyond FY 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 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: \$100,000

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 25-26

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 24-25

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

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: Beyond FY 26