



Capital Improvement Program Sidewalks, Signals, and Traffic Calming

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Sidewalks, Signals, and Traffic Calming

Capital Improvement Program										
Sidewalks, Signals, and Traffic Calming										
Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Projects										
Belmont Ridge Road/Legacy Park Drive Traffic Signal	-	-	-	-	298	-	291	589	1,092	1,681
Contingency - Sidewalk	2,368	1,000	1,000	1,000	1,000	1,000	1,000	6,000	4,000	12,368
Contingency - Traffic Calming	749	250	250	250	250	250	250	1,500	1,000	3,249
Contingency - Traffic Signal	1,149	750	750	750	750	750	750	4,500	3,000	8,649
Harmony Middle School Sidewalk	-	-	1,254	680	249	4,471	-	6,654	-	6,654
Intersection Improvement Program	1,854	-	13,965	15,290	15,835	14,235	14,235	73,560	57,340	132,754
Loudoun County Parkway - Shared-Use Path	-	-	-	-	-	1,202	461	1,663	7,020	8,682
Oakgrove Road - Pedestrian Improvements	967	21	-	-	-	-	-	21	-	988
River Creek Parkway - Sidewalk	-	-	531	283	224	1,324	-	2,362	-	2,362
Route 7 Pedestrian Crossings	855	1,405	902	608	-	-	8,042	10,957	-	11,812
Sidewalk and Trail Program	185	265	905	1,925	11,085	12,435	10,020	36,634	40,080	76,900
Sterling Boulevard/W&OD Trail - Overpass	500	793	-	599	16,989	-	-	18,381	-	18,881
W&OD At-Grade Crossing Improvements	-	452	157	338	2,661	-	-	3,607	-	3,607
Total Cost	8,626	4,936	19,713	21,723	49,340	35,667	35,049	166,429	113,532	288,586
Funding Source										
Local Tax Funding	1,603	-	-	-	1,000	4,746	-	5,746	2,446	9,795
Local Tax Funding Roads	3,775	2,944	2,902	2,000	1,000	1,725	2,000	12,571	17,330	33,677
General Obligation Bonds	500	989	15,401	18,097	43,068	28,259	24,668	130,481	93,756	224,736
Lease Revenue Financing	855	-	-	-	-	-	-	-	-	855
Cash Proffers	-	564	-	-	298	121	339	1,322	-	1,322
NVTA 30% Local	1,374	440	1,410	1,626	3,975	816	8,042	16,309	-	17,683
Local Gas Tax	519	-	-	-	-	-	-	-	-	519
Total Financing	8,626	4,936	19,713	21,723	49,340	35,667	35,049	166,429	113,532	288,586



Sidewalks, Traffic Signals, and Traffic Calming

Belmont Ridge Road & Legacy Park Drive – Traffic Signal

Details:

Project Number: n/a

Election District: Blue Ridge

Project Type: Traffic Signal

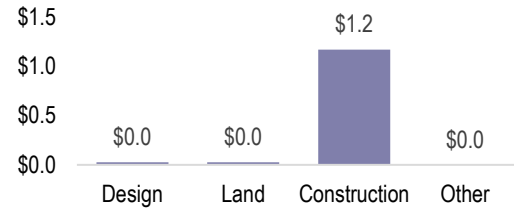
Estimated Completion Year: FY 2028

Referendum: n/a

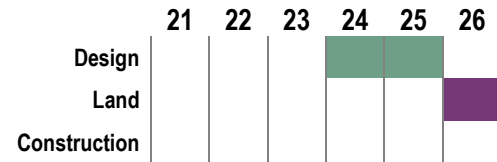
Background:

This project provides for a warrant study, design, acquisition of easements, and construction of a traffic signal at the intersection of Belmont Ridge Road (Route 659) and Legacy Park Drive (Route 2551).

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	-	-	267	-	-	267	-	267
Utility Relocation	-	-	-	-	-	-	185	185	-	185
Land	-	-	-	-	-	-	60	60	-	60
Construction	-	-	-	-	-	-	-	-	1,009	1,009
Contingency	-	-	-	-	31	-	46	77	83	160
Total Cost	-	-	-	-	298	-	291	589	1,092	1,681
Local Tax Funding Roads	-	-	-	-	-	-	-	-	1,092	1,092
Cash Proffers	-	-	-	-	298	-	291	589	-	589
Total Financing	-	-	-	-	298	-	291	589	1,092	1,681



Sidewalks, Traffic Signals, and Traffic Calming

Contingency Accounts

Details:

Project Number: Sidewalk Contingency - C02009; Traffic Calming Contingency - C02008; Traffic Signal - C02010

Election District: Countywide

Estimated Completion Year: Ongoing

Referendum: n/a

Background:

This project provides funding for sidewalks, signals, and traffic calming contingency accounts:

Sidewalk Contingency

Provides \$1,000,000 in funding in each year of the FY 2021 - FY 2026 CIP planning period to be used Countywide for the design and construction of missing sidewalk segments.

Traffic Calming Contingency

Provides \$250,000 in funding in each year of the FY 2021 - FY 2026 CIP planning period to be used Countywide for the study, design, and construction of traffic calming measures.

Traffic Signal Contingency

Provides \$750,000 in funding in each year of the FY 2021 - FY 2026 CIP planning period to be used Countywide for the study, design, and construction of traffic signals.

Phase Costs in Millions



Project Phase Timeline by FY

	21	22	23	24	25	26
Design						
Land						
Construction						

Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Contingency	4,265	2,000	2,000	2,000	2,000	2,000	2,000	12,000	8,000	24,265
Total Cost	4,265	2,000	2,000	2,000	2,000	2,000	2,000	12,000	8,000	24,265
Local Tax Funding	1,603	-	-	-	1,000	275	-	1,275	-	2,878
Local Tax Funding Roads	1,222	2,000	2,000	2,000	1,000	1,725	2,000	10,725	8,000	19,947
NVTA 30% Local	1,374	-	-	-	-	-	-	-	-	1,374
Local Gas Tax	66									66
Total Financing	4,265	2,000	2,000	2,000	2,000	2,000	2,000	12,000	8,000	24,265



Sidewalks, Traffic Signals, and Traffic Calming

Harmony Middle School Sidewalk

Details:

Project Number: n/a

Election District: Catoctin

Length: 1 mile

Project Type: New Sidewalk and Drainage Improvements

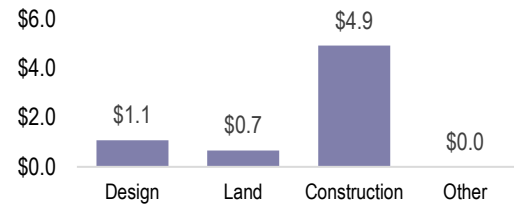
Estimated Completion Year: FY 2026

Referendum: n/a

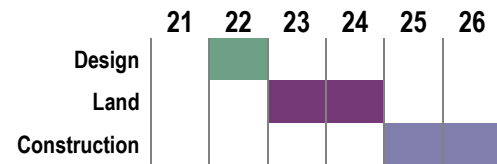
Background:

This project provides funding to develop missing sidewalk segments and storm drainage improvements to connect the existing sidewalk along Colonial Highway (Route 7 Business) in front of the Kenneth W. Culbert Elementary school from the existing shared use path located near Greentop Drive, just east of Route 287 in the Town of Purcellville and to the existing sidewalk east of South Hughes Street (Route 709) in the Town of Hamilton.

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	1,077	-	-	-	-	1,077	-	1,077
Utility Relocation	-	-	-	-	249	-	-	249	-	249
Land	-	-	-	415	-	-	-	415	-	415
Construction	-	-	-	-	-	4,029	-	4,029	-	4,029
Contingency	-	-	177	265	-	442	-	884	-	884
Total Cost	-	-	1,254	680	249	4,471	-	6,654	-	6,654
Local Tax Funding	-	-	-	-	-	4,471	-	4,471	-	4,471
NVTA 30% Local	-	-	1,254	680	249	-	-	2,183	-	2,183
Total Financing	-	-	1,254	680	249	4,471	-	6,654	-	6,654



Sidewalks, Traffic Signals, and Traffic Calming

Intersection Improvement Program

Details:

Project Number: C02204

Election District: Countywide

Length: n/a

Project Type: Traffic Signal Installation/Roundabout Construction

Estimated Completion Year: Ongoing

Referendum: November 2022

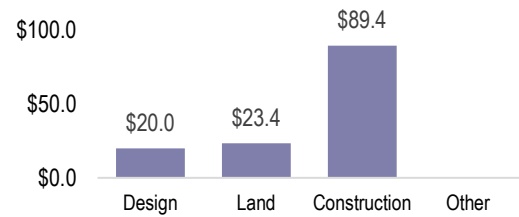
Background:

This program provides funding to initiate improvements for a minimum of one and a maximum of six intersection improvements each year based on the size and scope of the needed improvement (typically five signals, one roundabout).

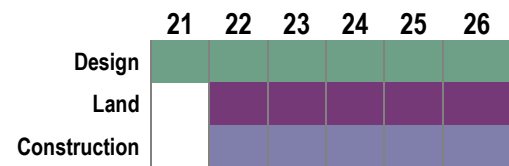
Traffic signals typically require one year for design and one year for land acquisition, with construction starting in year three. Roundabouts typically require two years for design, one year for land acquisition, and two years for construction. Project development times vary by project location.

The proposed funding plan addresses the most urgent intersections in the first six years of the program. Prioritization of intersections will be based on a ranking of intersections that considers both frequency of accidents and traffic volume. Further prioritization and final selection of intersections in the program will be made by the Board of Supervisors. The project serves as a funding source account. Once specific project locations are identified, funds are transferred to the specific project account.

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	1,854	-	2,700	1,900	1,900	1,900	1,900	10,300	7,800	19,954
Land	-	-	2,500	2,500	2,600	2,600	2,600	12,800	10,600	23,400
Construction	-	-	8,765	10,890	11,335	9,735	9,735	50,460	38,940	89,400
Total Cost	1,854	-	13,965	15,290	15,835	14,235	14,235	73,560	57,340	132,754
Local Tax Funding	-	-	-	-	-	-	-	-	1,444	1,444
Local Tax Funding Roads	1,854	-	-	-	-	-	-	-	4,292	6,146
General Obligation Bonds	-	-	13,965	15,290	15,835	14,235	14,235	73,560	51,604	125,164
Total Financing	1,854	-	13,965	15,290	15,835	14,235	14,235	73,560	57,340	132,754

Operating Impact (\$ in 1000s)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
FTE	0.00	1.00	0.00	0.00	0.00	0.00	1.00
Personnel	-	104	107	110	114	117	552
Debt Service	-	-	1,398	2,893	4,401	5,710	14,403
Total Impact	-	104	1,505	3,003	4,515	5,827	14,955



Sidewalks, Traffic Signals, and Traffic Calming

Loudoun County Parkway – Shared Use Path

Details:

Project Number: n/a

Election District: Dulles

Length: 1.30 miles

Project Type: New Shared Use Path

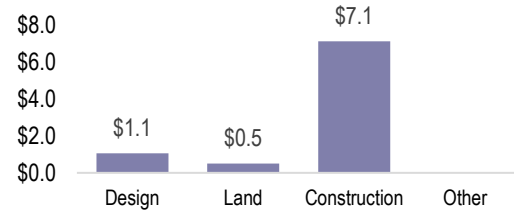
Estimated Completion Year: 2029

Referendum: November 2023

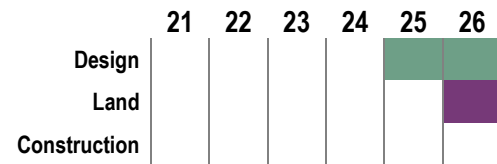
Background:

This project funds the construction of a ten-foot-wide shared use path on the west side of Loudoun County Parkway between Riding Center Drive and Route 50 and Dulles West Boulevard and Evergreen Mills Road. The section of the shared use path between Route 50 and Dulles West Boulevard is being developed as part of the scope of work included in the Loudoun County Parkway (Dulles West to Route 50) CIP project.

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	-	-	-	1,059	-	1,059	-	1,059
Utility Relocation	-	-	-	-	-	-	-	-	261	261
Land	-	-	-	-	-	-	247	247	-	247
Construction	-	-	-	-	-	-	-	-	6,402	6,402
Contingency	-	-	-	-	-	143	214	357	357	713
Total Cost	-	-	-	-	-	1,202	461	1,663	7,020	8,682
Local Tax Funding Roads	-	-	-	-	-	-	-	-	940	940
General Obligation Bonds	-	-	-	-	-	1,081	413	1,494	6,080	7,573
Cash Proffers	-	-	-	-	-	121	48	169	-	169
Total Financing	-	-	-	-	-	1,202	461	1,663	7,020	8,682

Operating Impact (\$ in 1000s)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
Debt Service	-	-	-	-	-	109	109
Total Impact	-	-	-	-	-	109	109



Sidewalks, Traffic Signals, and Traffic Calming

River Creek Parkway – Sidewalk

Details:

Project Number: n/a

Election District: Leesburg, Catoctin

Length: 1,800 feet

Project Type: New Sidewalk

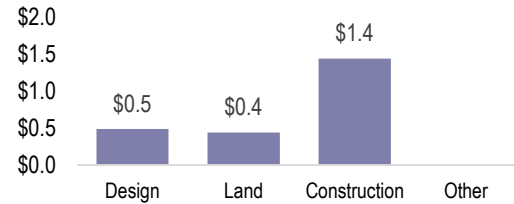
Estimated Completion Year: FY 2026

Referendum: November 2020

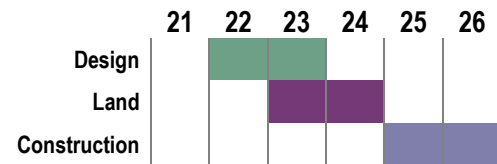
Background:

This project provides funding to develop missing sidewalk segments along the east side of River Creek Parkway (Route 773) between Parkers Ridge Drive (Route 3054) and Potomac Station Drive (Route 3064).

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	-	485	-	-	-	-	485	-	485
Utility Relocation	-	-	-	-	224	-	-	224	-	224
Land	-	-	-	214	-	-	-	214	-	214
Construction	-	-	-	-	-	1,209	-	1,209	-	1,209
Contingency	-	-	46	69	-	115	-	230	-	230
Total Cost	-	-	531	283	224	1,324	-	2,362	-	2,362
General Obligation Bonds	-	-	531	283	224	1,324	-	2,362	-	2,362
Total Financing	-	-	531	283	224	1,324	-	2,362	-	2,362

Operating Impact (\$ in 1000s)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
Debt Service	-	-	52	79	99	227	457
Total Impact	-	-	52	79	99	227	457



Sidewalks, Traffic Signals, and Traffic Calming

Route 7 Pedestrian Crossings

Details:

Project Number: C02202

Election District: Sterling

Length: n/a

Project Type: Intersection and Safety Improvements

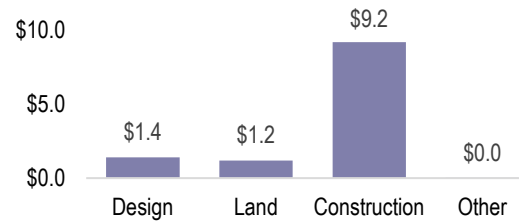
Estimated Completion Year: FY 2026

Referendum: November 2019

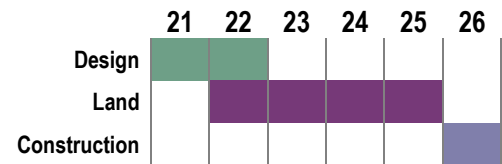
Background:

This project provides funding for improvements to three pedestrian crossings on Route 7 at Bartholomew Fair Drive (Route 1792)/Campus Drive (Route 391), Potomac View Drive (Route 637), and Lakeland Drive (Route 821), and for the design, right-of-way acquisition, and construction of a shared use path between the crossings on the north side of Route 7.

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	250	1,161	-	-	-	-	-	1,161	-	1,411
Utility Relocation	-	-	-	608	-	-	-	608	-	608
Land	-	-	579	-	-	-	-	579	-	579
Construction	605	-	-	-	-	-	7,503	7,503	-	8,108
Personnel	-	28	-	-	-	-	-	28	-	28
Contingency	-	216	323	-	-	-	539	1,078	-	1,078
Total Cost	855	1,405	902	608	-	-	8,042	10,957	-	11,812
Local Tax Funding Roads		388	902	-	-	-	-	1,290	-	1,290
General Obligation Bonds		989	-	-	-	-	-	989	-	989
Lease Revenue Financing	855	-	-	-	-	-	-	-	-	855
Cash Proffers	-	28	-	-	-	-	-	28	-	28
NVTA 30% Local	-	-	-	608	-	-	8,042	8,650	-	8,650
Total Financing	855	1,405	902	608	-	-	8,042	10,957	-	11,812

Operating Impact (\$ in 1000s)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
Debt Service	-	99	97	94	92	89	472
Total Impact	-	99	97	94	92	89	472



Sidewalks, Traffic Signals, and Traffic Calming

Sidewalk and Trail Program

Details:

Project Number: C02236

Election District: Countywide

Length: 3 miles per year (average)

Project Type: New Sidewalk and Trail Construction

Estimated Completion Year: Ongoing

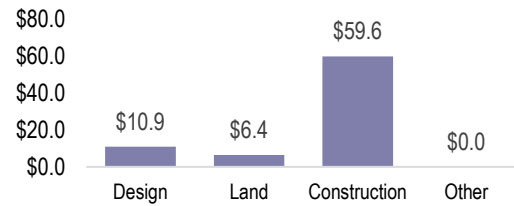
Referendum: November 2020

Background:

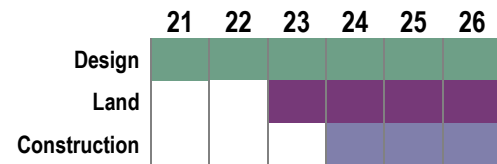
This project provides for planning, design, right-of-way acquisition, and construction of improvements for approximately three to five miles of sidewalks and trails per year. Construction and improvements will vary depending on the project. Annual mileage will vary based on degree of land acquisition and utility relocations the improvements require.

This project serves as a funding source account. Once specific project locations are identified, funds are transferred to the specific project account.

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	185	206	905	1,155	1,200	1,200	1,200	5,865	4,800	10,850
Land	-	-	-	770	800	800	800	3,170	3,200	6,370
Construction	-	-	-	-	9,085	10,435	8,020	27,540	32,080	59,620
Personnel	-	59	-	-	-	-	-	59	-	59
Total Cost	185	265	905	1,925	11,085	12,435	10,020	36,634	40,080	76,900
Local Tax Funding	-	-	-	-	-	-	-	-	1,002	1,002
Local Tax Funding Roads	185	-	-	-	-	-	-	-	3,006	3,191
General Obligation Bonds	-	-	905	1,925	10,020	11,619	10,020	34,489	36,072	70,561
Cash Proffers	-	265	-	-	-	-	-	265	-	265
NVTA 30% Local	-	-	-	-	1,065	816	-	1,881	-	1,881
Total Financing	185	265	905	1,925	11,085	12,435	10,020	36,634	40,080	76,900

Operating Impact (\$ in 1000s)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
Debt Service	-	-	90	279	1,273	2,402	4,045
Total Impact	-	-	90	279	1,273	2,402	4,045



Sidewalks, Traffic Signals, and Traffic Calming

Sterling Boulevard/ W&OD Trail Overpass

Details:

Project Number: n/a

Election District: Sterling

Length: 1,950 feet

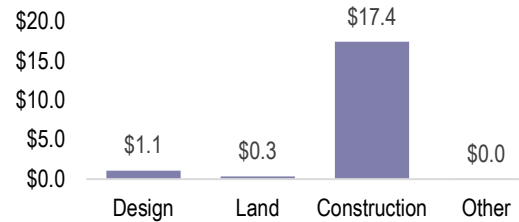
Estimated Completion Year: FY 2027

Referendum: November 2022

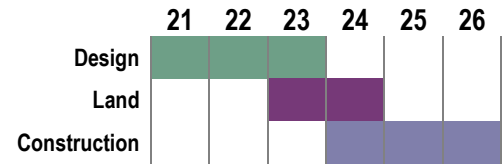
Background:

This project provides for the design, right-of-way- acquisition, and construction of a shared-use path overpass across Sterling Boulevard (Route 846) at the W&OD Trail. This project will serve walkers, bicyclists, joggers, horseback riders, rollerblading, and other users. The overpass will separate these activities from roadway traffic.

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	500	593	-	-	-	-	-	593	-	1,093
Utility Relocation	-	-	-	174	-	-	-	174	-	174
Land	-	-	-	149	-	-	-	149	-	149
Construction	-	-	-	-	16,529	-	-	16,529	-	16,529
Personnel	-	16	-	-	-	-	-	16	-	16
Contingency	-	184	-	276	460	-	-	920	-	920
Total Cost	500	793	-	599	16,989	-	-	18,381	-	18,881
Local Tax Funding Roads	-	556	-	-	-	-	-	556	-	556
General Obligation Bonds	500	-	-	599	16,989	-	-	17,588	-	18,088
Cash Proffers	-	238	-	-	-	-	-	238	-	238
Total Financing	500	793	-	599	16,989	-	-	18,381	-	18,881

Operating Impact (\$ in 1000s)	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	Total
Debt Service	-	-	-	60	58	397	515
Total Impact	-	-	-	60	58	397	515



Sidewalks, Traffic Signals, and Traffic Calming

W&OD At-Grade Crossing Improvements

Details:

Project Number: n/a

Election District: Countywide

Length: n/a

Project Type: Shared Use Path Improvements

Estimated Completion Year: FY 2025

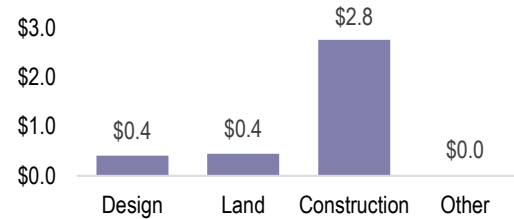
Referendum: n/a

Background:

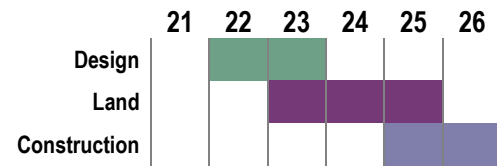
This project provides funding for various improvements at several Washington and Old Dominion (W&OD) trail crossings spanning the length of the W&OD within the unincorporated areas of the County. Improvements may include the realignment of trail crossings, the construction of median refuge, the installation of flashing warning signs, tree trimming and clearing, and the restriction of parking.

Other W&OD trail crossing improvements are also being implemented as part of the Route 7 and 287 Interchange Improvement and the Sterling Boulevard/W&OD Trail Overpass projects in the CIP.

Phase Costs in Millions



Project Phase Timeline by FY



Capital (\$ in 1000s)	Prior Years	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	6 Year Total	Future FYs	Project Total
Professional Services	-	407	-	-	-	-	-	407	-	407
Utility Relocation	-	-	-	338	-	-	-	338	-	338
Land	-	-	107	-	-	-	-	107	-	107
Construction	-	-	-	-	2,578	-	-	2,578	-	2,578
Personnel	-	12	-	-	-	-	-	12	-	12
Contingency	-	33	50	-	83	-	-	165	-	165
Total Cost	-	452	157	338	2,661	-	-	3,607	-	3,607
Cash Proffers	-	12	-	-	-	-	-	12	-	12
NVTA 30% Local	-	440	157	338	2,661	-	-	3,595	-	3,595
Total Financing	-	452	157	338	2,661	-	-	3,607	-	3,607