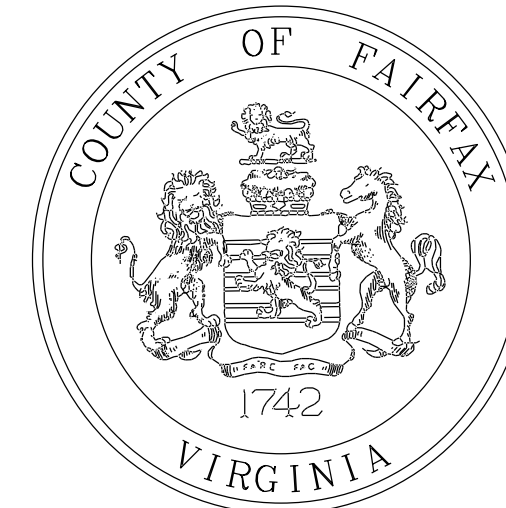


LIMITED ACCESS HIGHWAY By Resolution of Commonwealth Transportation Board dated July 16, 1987 and July 14, 2020

FOR INDEX OF SHEETS SEE SHEET 1B  
THIS PROJECT WAS DEVELOPED UTILIZING THE DEPARTMENT'S ENGINEERING DESIGN PACKAGE (OpenRoads/GEOPAK).  
OpenRoads/GEOPAK Computer Identification No. 125754



FAIRFAX COUNTY, VIRGINIA  
DEPARTMENT OF PUBLIC WORKS  
& ENVIRONMENTAL SERVICES  
PROJECT NO.1400-170-2025  
PROJECT NO.2G40-790-000  
FUND NO.500-C50000

VDOT PROJECT NUMBER 0655-029-R57 PE-101,C-501  
VDOT PROJECT NUMBER 0655-029-R57 RW-201

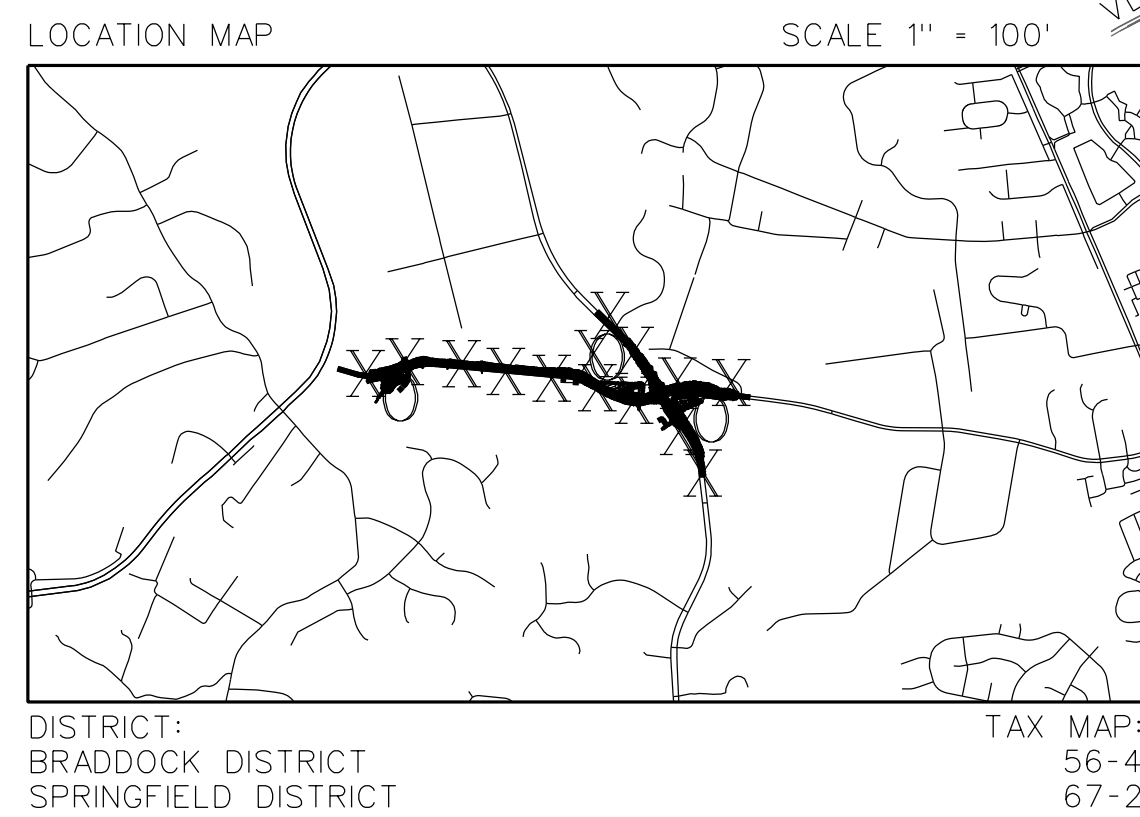
CONVENTIONAL SIGNS

STATE LINE	---
COUNTY LINE	----
CITY, TOWN OR VILLAGE	-----
RIGHT OF WAY LINE	-----
FENCE LINE	-----
UNFENCED PROPERTY LINE	-----
FENCED PROPERTY LINE	-----
WATER LINE	-----
SANITARY SEWER LINE	-----
GAS LINE	-----
ELECTRIC UNDERGROUND CABLE	-----
TRAVELED WAY	-----
GUARD RAIL	-----
RETAINING WALL	-----
RAILROADS	-----
BASE OR SURVEY LINE	-----
LEVEE OR EMBANKMENT	-----
BRIDGES	-----
CULVERTS	-----
DROP INLET	-----
POWER POLES	-----
TELEPHONE OR TELEGRAPH POLES	-----
TELEPHONE OR TELEGRAPH LINES	-----
HEDGE	-----
TREES	-----
HEAVY WOODS	-----
GROUND ELEVATION	-----
GRADE ELEVATION	-----

MAINTENANCE LEGEND

XXX - VDOT  
4,114 LF - 6" SIDEWALK  
6,925 LF - 10" SHARED USE PATH  
3 - STORMWATER MANAGEMENT FACILITIES  
SWM #1 AT STA. 512+00  
SWM #2 AT STA. 544+50  
SWM #3 AT STA. 550+50

000 - FAIRFAX COUNTY  
3 - HYDRODYNAMIC SEPARATORS (HS)  
STR. 4-3' 96" HS AT STA. 512+97  
STR. 8-16' 96" HS AT STA. 544+08  
STR. 9-8' 72" HS AT STA. 551+96



DESIGN FEATURES RELATING TO CONSTRUCTION OR REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE VIRGINIA DEPARTMENT OF TRANSPORTATION

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE DEPARTMENT'S:

ROAD AND BRIDGE SPECIFICATIONS DATED 2020  
ROAD AND BRIDGE STANDARDS, DATED 2016, REVISED MARCH 2025  
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), DATED 2009  
VIRGINIA SUPPLEMENT TO THE 2009 MUTCD, DATED 2011, REVISED 2013  
VIRGINIA WORK AREA PROTECTION MANUAL, REVISION 2.1 DATED 2020  
AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF VERSION OF THE PLAN ASSEMBLY.

ALL CURVES ARE TO BE SUPERELEVATED, TRANSITIONED, AND WIDENED IN ACCORDANCE WITH STANDARD TC-5.11U EXCEPT WHERE OTHERWISE NOTED.

DESIGN EXCEPTION FOR			
STA. TO STA.	MIN. REQUIREMENT	REASON FOR EXCEPTION	STATUS
541+55 TO 546+45	K VALUE OF 79	CLEARANCE TO DOMINION ENERGY TRANSMISSION LINE	PENDING APPROVAL
DESIGN WAIVER FOR			
STA. TO STA.	MIN. REQUIREMENT	REASON FOR EXCEPTION	STATUS
545+00 TO 550+00	2/3 Lr & 1/3 Lr 75 DEGREES	SUPERELEVATION TRANSITION AT DETERMINED DESIGN SPEED	PENDING APPROVAL
DESIGN EXCEPTION FOR			
STA. TO STA.	MIN. REQUIREMENT	REASON FOR EXCEPTION	STATUS
ENTIRE PROJECT	75% PHOSPHORUS TREATMENT ON-SITE	PRESENCE OF ROCK, LIMITED RIGHT-OF-WAY AND VDOT MAINTENANCE COMMENTS	PENDING APPROVAL

SHIRLEY GATE ROAD EXTENSION (ROUTE 655)  
FAIRFAX COUNTY PARKWAY TO MATTIE MOORE COURT

POPULATION COUNTY OF FAIRFAX 1,150,309 (2020 CENSUS)

VDOT PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES		
0655-029-R57	PE-101		PENG	125754	4937.93	0.935	4937.93	0.935	Prelim. Engr.	From Fairfax County Parkway To: 1.09 Miles South of Route 29
	RW-201		ROWA	125754	4987.75	0.945	4987.75	0.945	R.O.W.	From Fairfax County Parkway To: 1.09 Miles South of Route 29
	C-501		1000	125754	4937.93	0.935	4937.93	0.935	Constr.	From Fairfax County Parkway To: 1.09 Miles South of Route 29

NOTE: PROJECT LENGTH BASED ON CONSTRUCTION BASELINE

STATE	FEDERAL AID		STATE		SHEET NO.
	PROJECT	ROUTE	PROJECT	ROUTE	
VA.	SEE TABULATIONS BELOW FOR FEDERAL AID AND PROJECT NUMBERS	655	0655-029-R57	SEE TABULATIONS BELOW FOR SECTION NUMBERS	1

FUNCTIONAL CLASSIFICATION AND TRAFFIC DATA

	URBAN MINOR ARTERIAL STREET SYSTEM GS-6	URBAN MINOR ARTERIAL STREET SYSTEM GS-6	URBAN MINOR ARTERIAL STREET SYSTEM GS-6	URBAN MINOR ARTERIAL STREET SYSTEM GS-6
	SHIRLEY GATE ROAD (ROUTE 655)	SHIRLEY GATE ROAD (ROUTE 655)	BRADDOCK ROAD (ROUTE 620)	BRADDOCK ROAD (ROUTE 620)
Fr: To:	BRADDOCK ROAD ROUTE 29	FAIRFAX CO. PARKWAY BRADDOCK ROAD	SHIRLEY GATE ROAD PRESTWICK DRIVE	SHIRLEY GATE ROAD FAIRFAX CO. PARKWAY
ADT (2023)	19,200	N/A	40,000	32,000
ADT (2050)	31,100	12,900	54,000	47,900
T (2) (design hour)	1.0	1.0	2.0	2.0
DHV (2023)	1,400	N/A	1,900	1,600
DHV (2050)	2,100	1,300	2,400	2,500
D (2) (design hour)	71	50	53	60
DESIGN V (MPH)	45	45	50	50
POSTED V (MPH)	45	45	45	45

TIER 2 PROJECT

LOCALLY ADMINISTERED PROJECTS

NAME OF LOCALITY \_\_\_\_\_

(SIGNATURE) \_\_\_\_\_

NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICIAL (TYPED) \_\_\_\_\_

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

DATE \_\_\_\_\_ TITLE OF POSITION \_\_\_\_\_

(SIGNATURE) \_\_\_\_\_

NAME OF RESPONSIBLE LOCAL GOVERNMENT OFFICIAL (TYPED) \_\_\_\_\_

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DATE \_\_\_\_\_ TITLE OF POSITION \_\_\_\_\_

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION

DATE \_\_\_\_\_ INFRASTRUCTURE INVESTMENT DIRECTOR \_\_\_\_\_

DATE \_\_\_\_\_ STATE LOCATION AND DESIGN ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_ CHIEF FINANCIAL OFFICER \_\_\_\_\_

DATE \_\_\_\_\_ CHIEF ENGINEER \_\_\_\_\_

APPROVED FOR RIGHT OF WAY ACQUISITION

DATE \_\_\_\_\_ CHIEF OF POLICY \_\_\_\_\_

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION

DATE \_\_\_\_\_ INFRASTRUCTURE INVESTMENT DIRECTOR \_\_\_\_\_

DATE \_\_\_\_\_ STATE LOCATION AND DESIGN ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_ STATE STRUCTURE AND BRIDGE ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_ CHIEF FINANCIAL OFFICER \_\_\_\_\_

APPROVED FOR CONSTRUCTION

DATE \_\_\_\_\_ CHIEF ENGINEER \_\_\_\_\_

APPROVED

DATE \_\_\_\_\_ DIVISION ADMINISTRATOR  
FEDERAL HIGHWAY ADMINISTRATION  
U.S. DEPARTMENT OF TRANSPORTATION

JUNE 4, 2025  
PRE - FINAL  
DESIGN PLANS

THESE PLANS ARE UNFINISHED AND NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.

PROJECT MANAGER DENNIS MARSH, FAIRFAX COUNTY, DOI (703) 877-5746.  
SURVEYED BY VICKY ANGLIN, COUNTY OF FAIRFAX, VIRGINIA, DEPARTMENT OF PUBLIC WORKS & ENVIRONMENTAL SERVICES, (703) 324-5151.  
DESIGN BY RYAN SHERAN, P.E., KIMLEY-HORN AND ASSOCIATES, INC., (703) 215-8463.  
SUBSURFACE UTILITY BY RYAN MARTIN, ACCUMARK, INC., (804) 550-7740.