

American Society of Highway Engineers

Old Dominion Chapter

Libbie Mill

February 15, 2024

Joe Vidunas

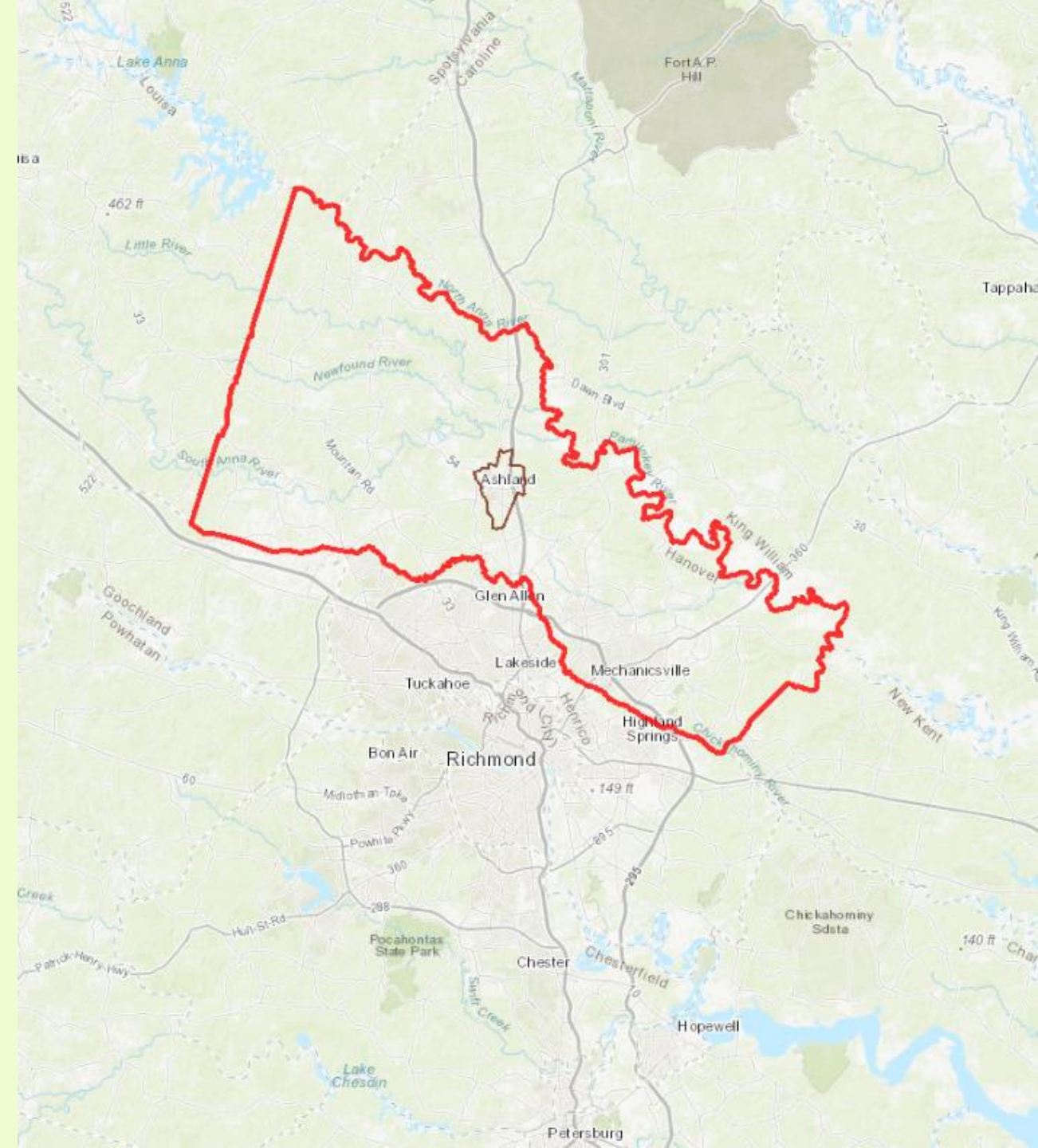
Traffic Engineer

Hanover County Dept. of Public Works



QUICK FACTS:

- Population: 109,979 (2020)
- Land area: 474 sq. mi.
- Hwy System Mileage:
 - Interstate – 23.07 mi.
 - Primary – 85.98 mi.
 - Secondary – 879.64 mi.
- Most notable historical figure: Patrick Henry
"Give me liberty or give me death!"
- Most known for the heralded Hanover tomato
- 1 each of the following: hospital, amusement park, airport, train station, college, & a solar farm
- 3 retail outdoor sporting goods stores: Bass Pro Shops, Cabela's, Green Top
- 3 breweries: Center of the Universe Brewing Co., Origin Beer Lab, Intermission Beer Co.



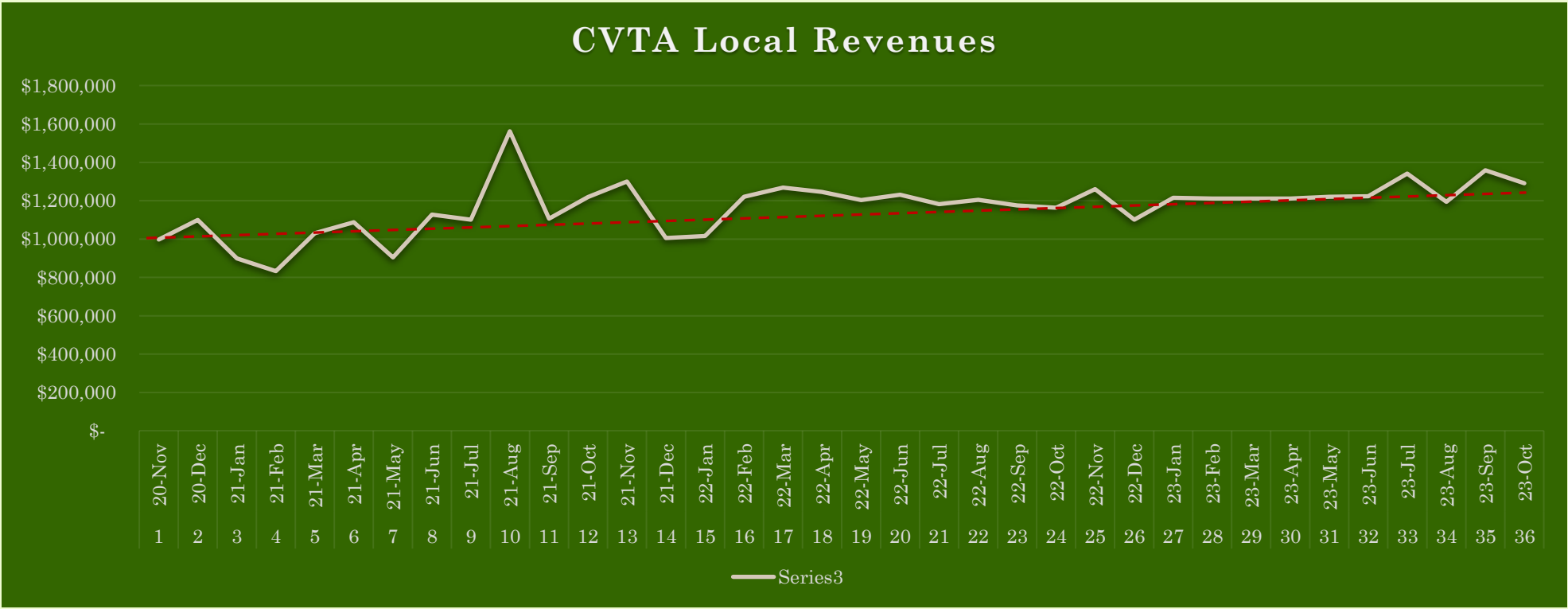
How It Started

§33.2-1-2. Authority of cities and towns and certain counties in connection with federal aid

The cities and towns of the Commonwealth and also the counties that have withdrawn from the provisions of Chapter 415 of the Acts of Assembly of 1932, as amended, may comply fully with the provisions of the present or future federal-aid road acts, and to this end they may enter into all contracts or agreements with the United States government or the appropriate agencies thereof relating to the survey, construction, improvement, and maintenance of roads, streets, and highways under their control and may do all other things necessary to carry out fully the cooperation contemplated and provided for by the present or future acts of Congress relating to the construction, improvement, and maintenance of roads, streets, and highways.

Such localities may also cooperate with the Board in connection with any project for the survey, construction, improvement, or maintenance of any road, street, or highway under their jurisdiction and control that is eligible for federal aid under any present or future federal-aid road acts and may by appropriate agreement or contract authorize the Board to act on their behalf in any dealings necessary with the United States or any agency thereof and may authorize the Board to carry out such survey, construction, improvement, or maintenance work on such projects either with or without participation by the locality. Whenever the Board is given such authority by any such locality, it may do all things contemplated and provided for by present or future federal-aid road acts and the agreements made with such locality.

Central Virginia Transportation Authority



Current Project Portfolio

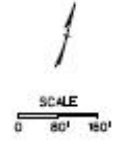
Rt. 360/Lee Davis Rd Widening
UPC 13551



Route 360 - Mechanicsville Turnpike
Hanover County
UPC 13551
March 31, 2023

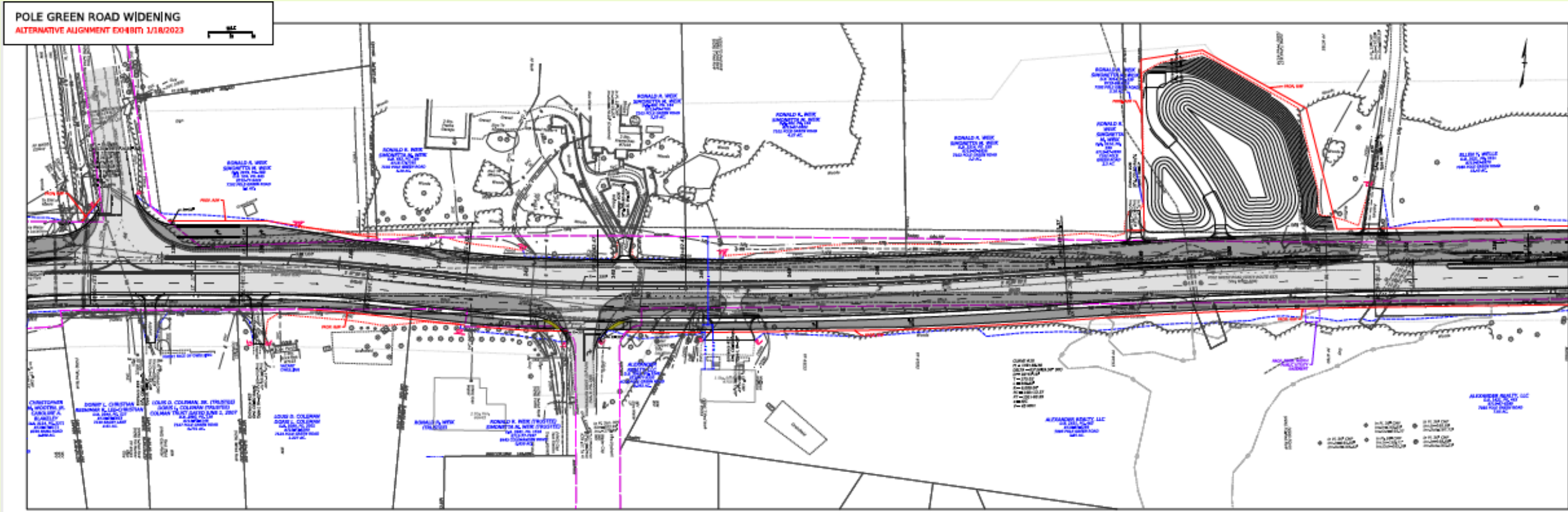
Legend

- Proposed Road
- Proposed Sidewalk/Concrete Median
- Proposed Grass Median
- Existing Right of Way/Property Line
- Proposed Right of Way Line
- Signal



Pole Green Rd (Widening)

Right-of-Way Authorization Pending



Atlee Station Rd (Widening) – Ph. 2

Design Phase



Rt. 1 & Rt. 30 (Turn Lanes & Traffic Signal)

Right-of-Way Phase Pending



INITIAL DESIGN

CURRENT DESIGN



Lewistown Rd / Ashcake Rd (Intersection Improvement)

Right-of-Way Phase Pending



U.S. Route 301 (3rd Southbound Lane)

Pre-Construction Phase

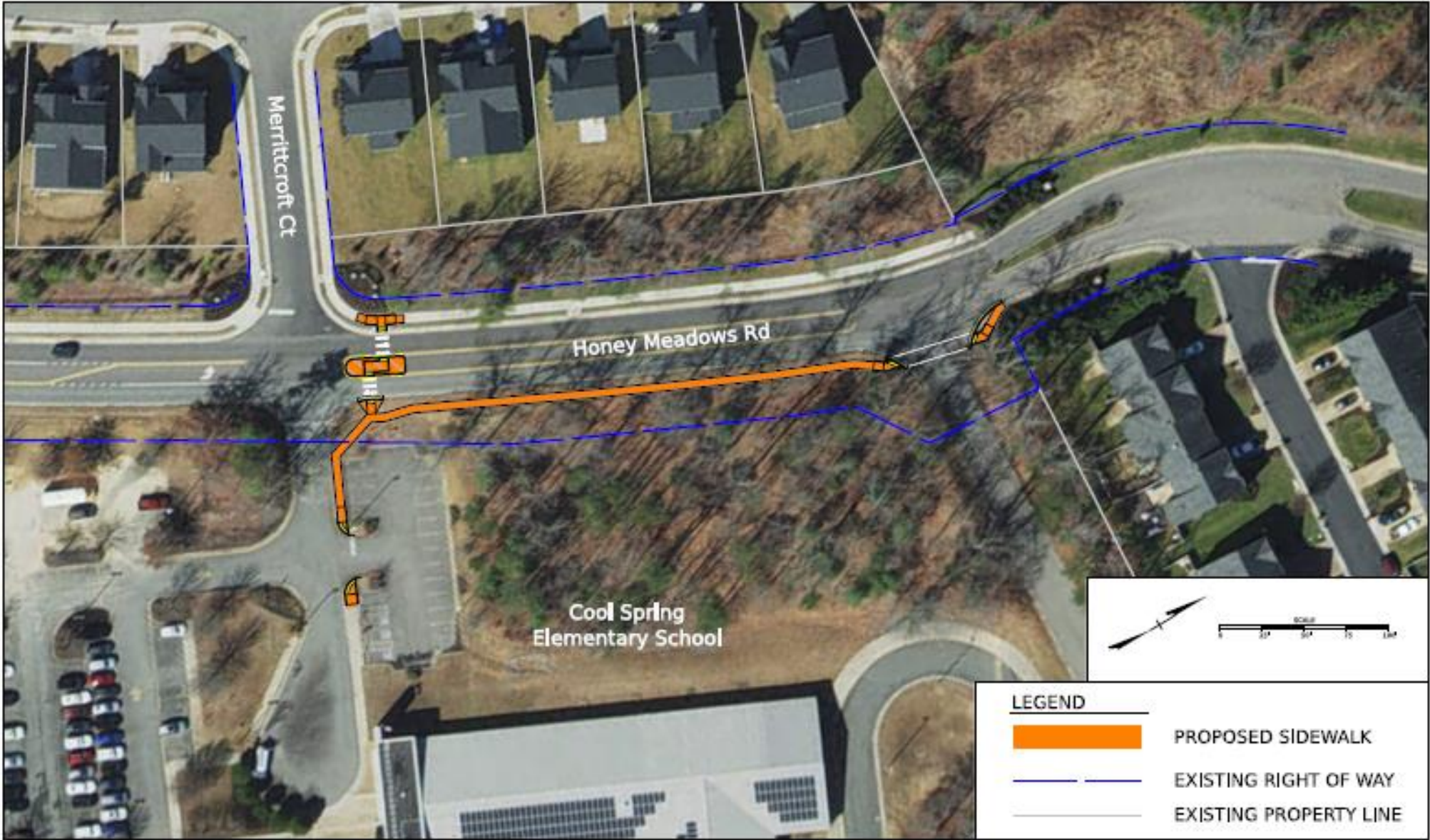


Atlee Rd / Bus. Rt. 360 / Cold Harbor Rd (Intersection Improvement) Design Phase



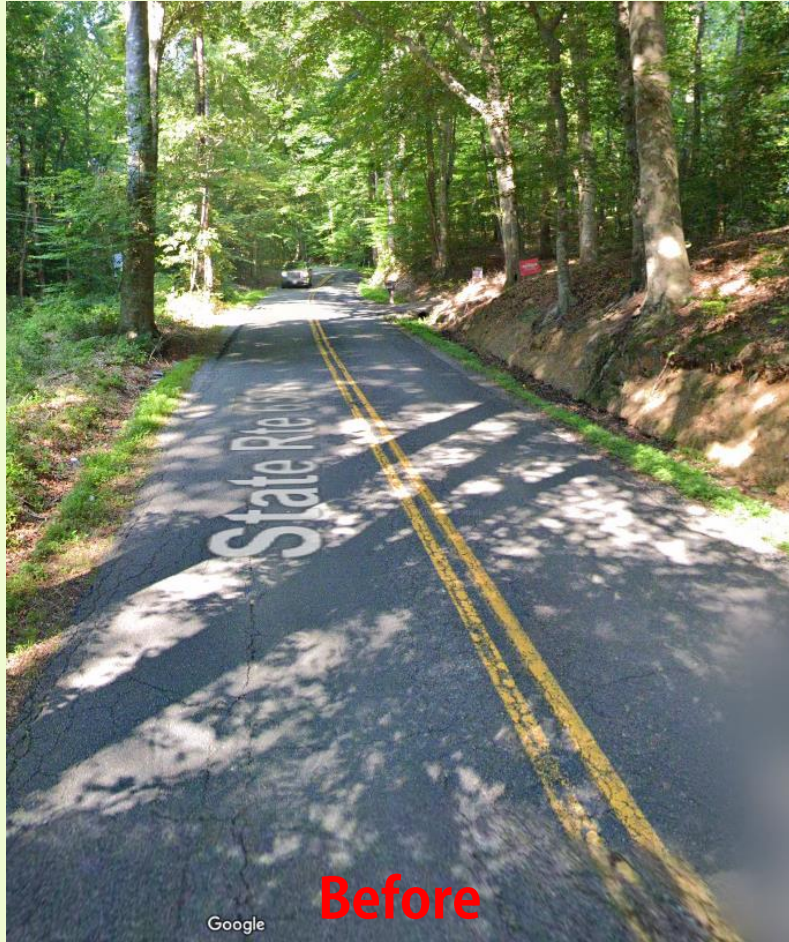
Cool Spring Elementary School (Sidewalk Improvement)

Advertisement Phase



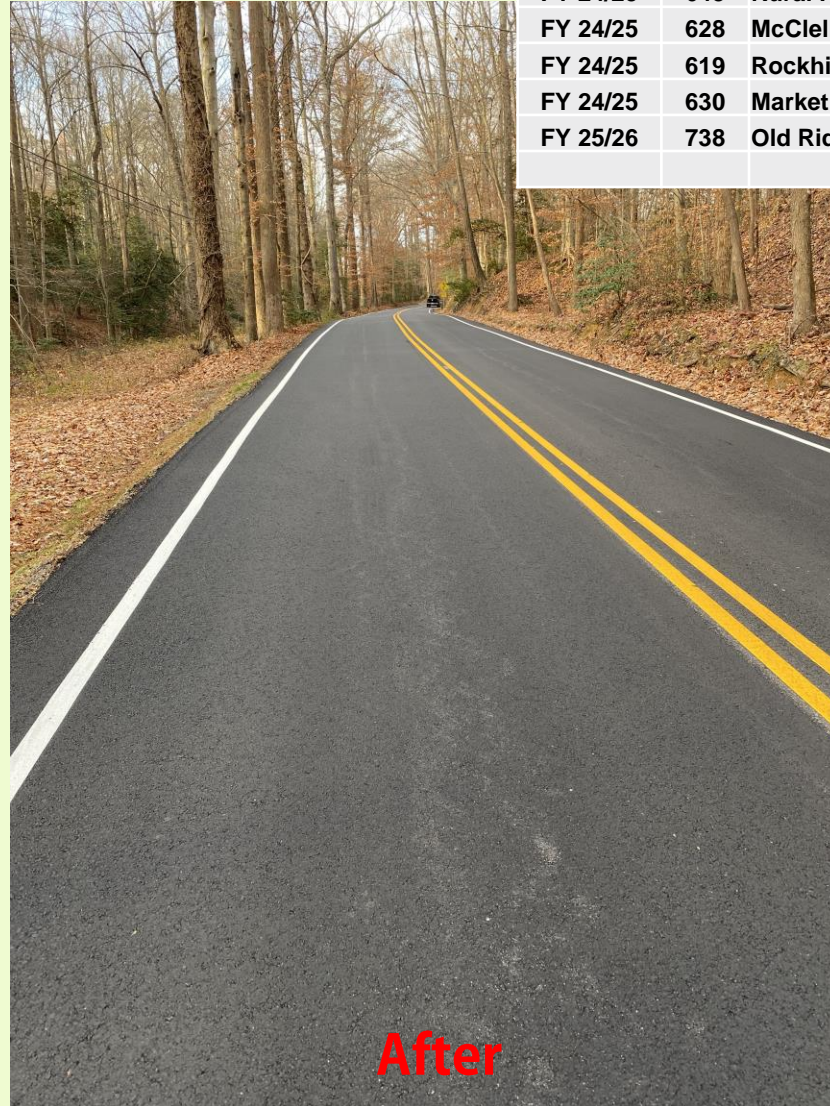
Trench Widening & Paving – Rural Roads Safety Improvement

Schedule	Rt.	Road	From	To	Mi.	Cost
FY 24	660	Winns Church Rd	Mountain Rd	Cedar Ln	2.53	\$ 873,000
FY 24/25	643	Rural Point Rd	Chamberalyne Rd	Pole Green Rd	4.73	\$ 1,713,000
FY 24/25	628	McClellan Rd	Old Church Rd	Rockhill Rd	5.10	\$ 1,847,000
FY 24/25	619	Rockhill Rd	McClellan Rd	Market Rd	0.40	\$ 145,000
FY 24/25	630	Market Rd	Rockhill Rd	Fox Hunter Ln	1.70	\$ 616,000
FY 25/26	738	Old Ridge Rd	Rocketts Mill Rd	Route 1	4.59	\$ 1,742,000
					19.05	\$ 6,936,000



Before

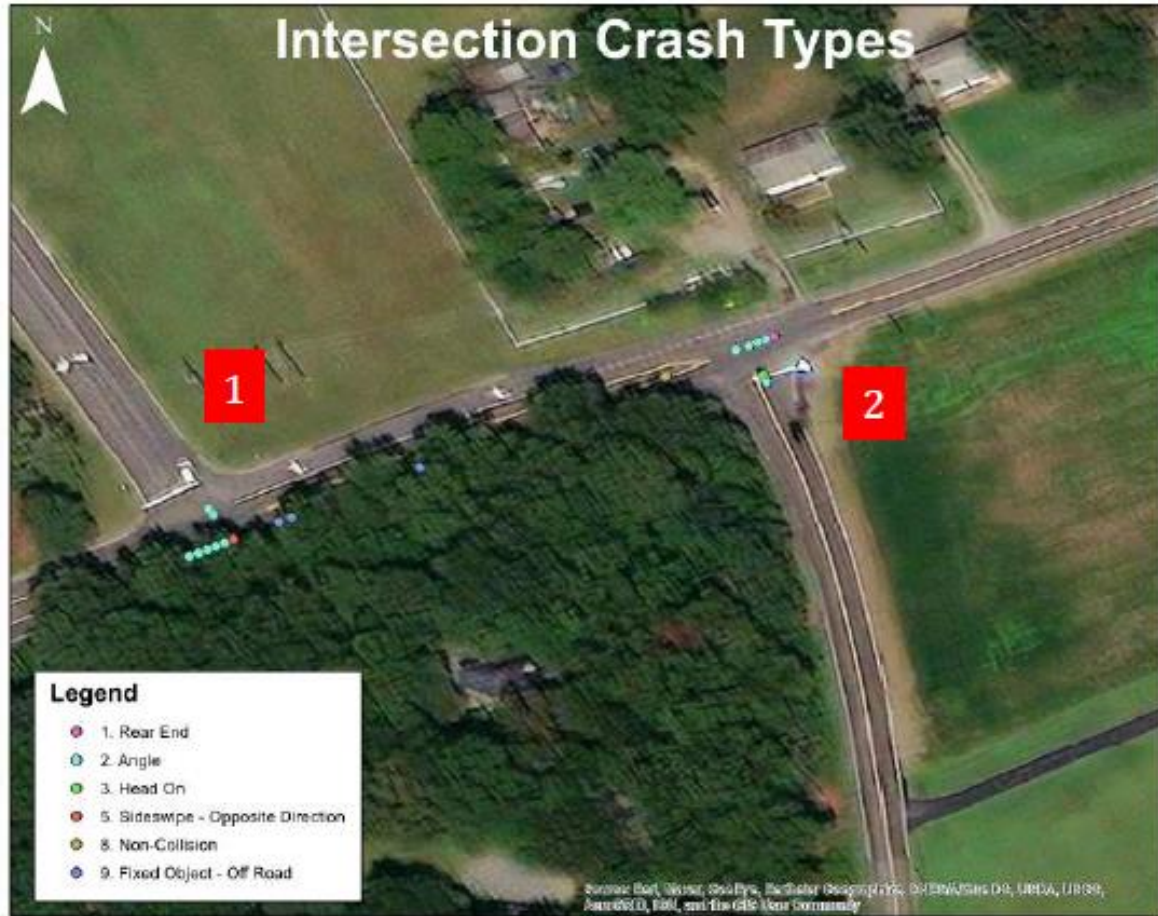
Cool Spring Rd



After

Creighton Rd/Pkwy & Walnut Grove Rd – Roundabout

Design Phase



- Walnut Grove Road at Creighton Parkway (Intersection 1)
 - Total crashes: 16
 - Angle crashes: 14
- Between intersections: 2
- Walnut Grove Road at Creighton Road (Intersection 2)
 - Total crashes: 11
 - Angle crashes: 8
- Angle crashes (76%)
- Intersection spacing concerns

Creighton Rd/Pkwy & Walnut Grove Rd – Roundabout

Design Phase



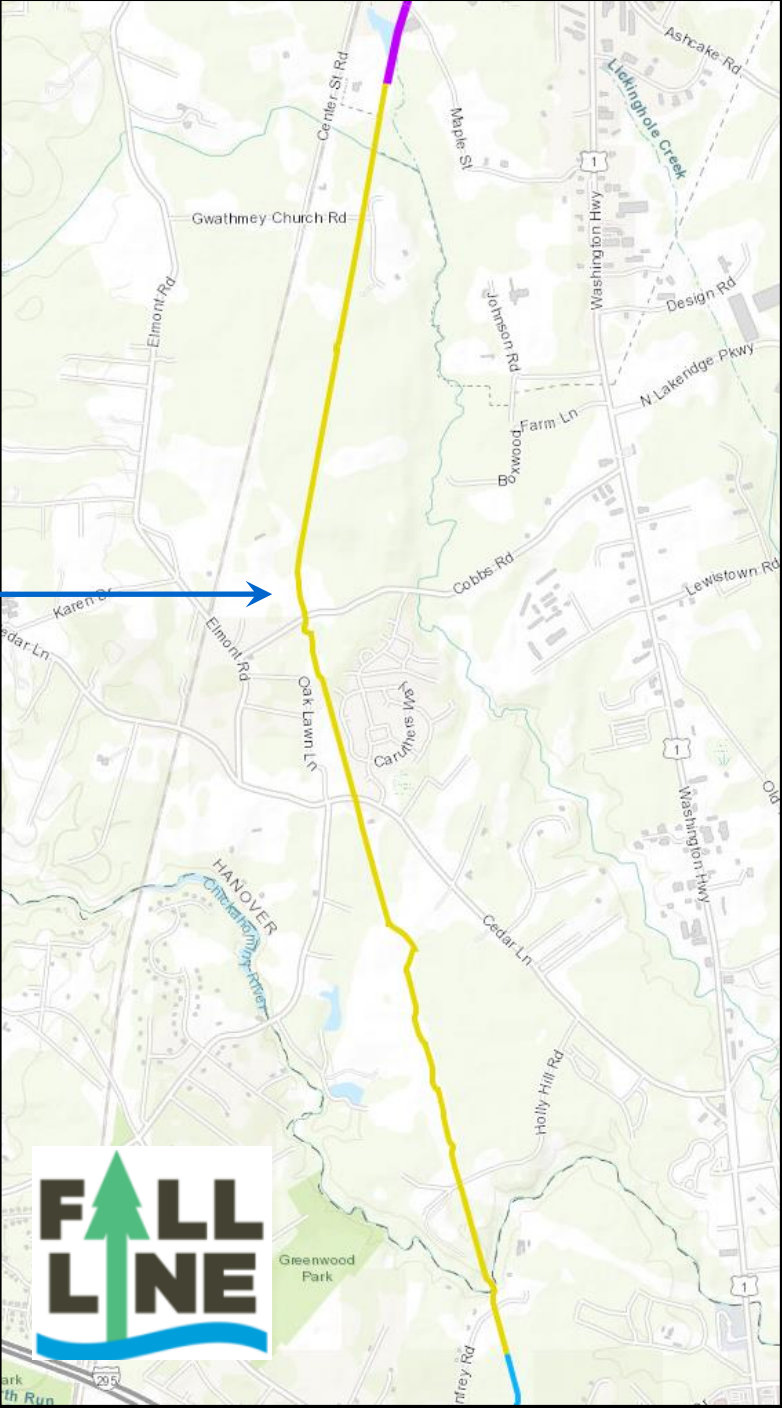
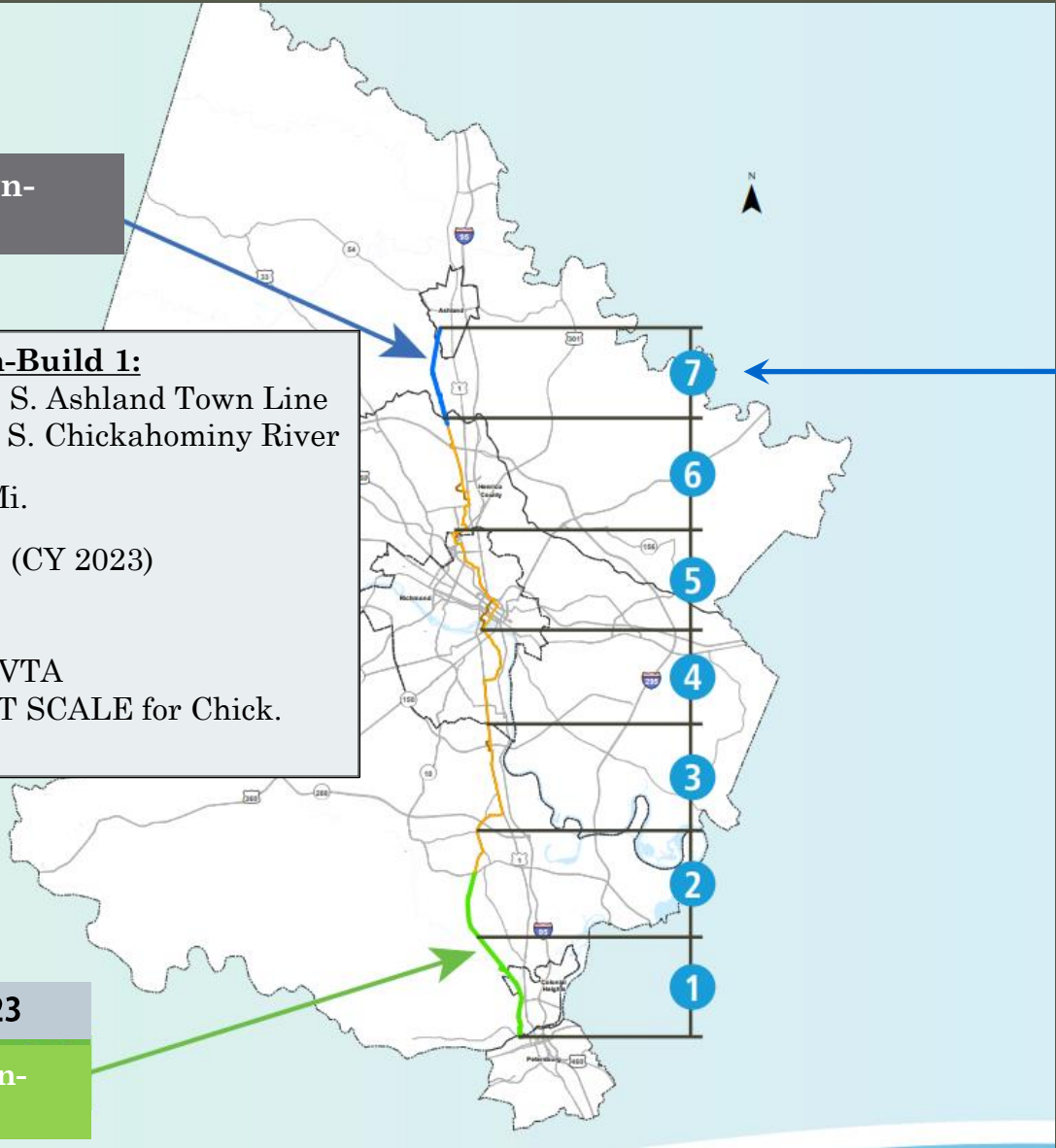
Fall Line Trail (Hanover/Henrico)

Right-of-Way Phase

VDOT Design-Build 1

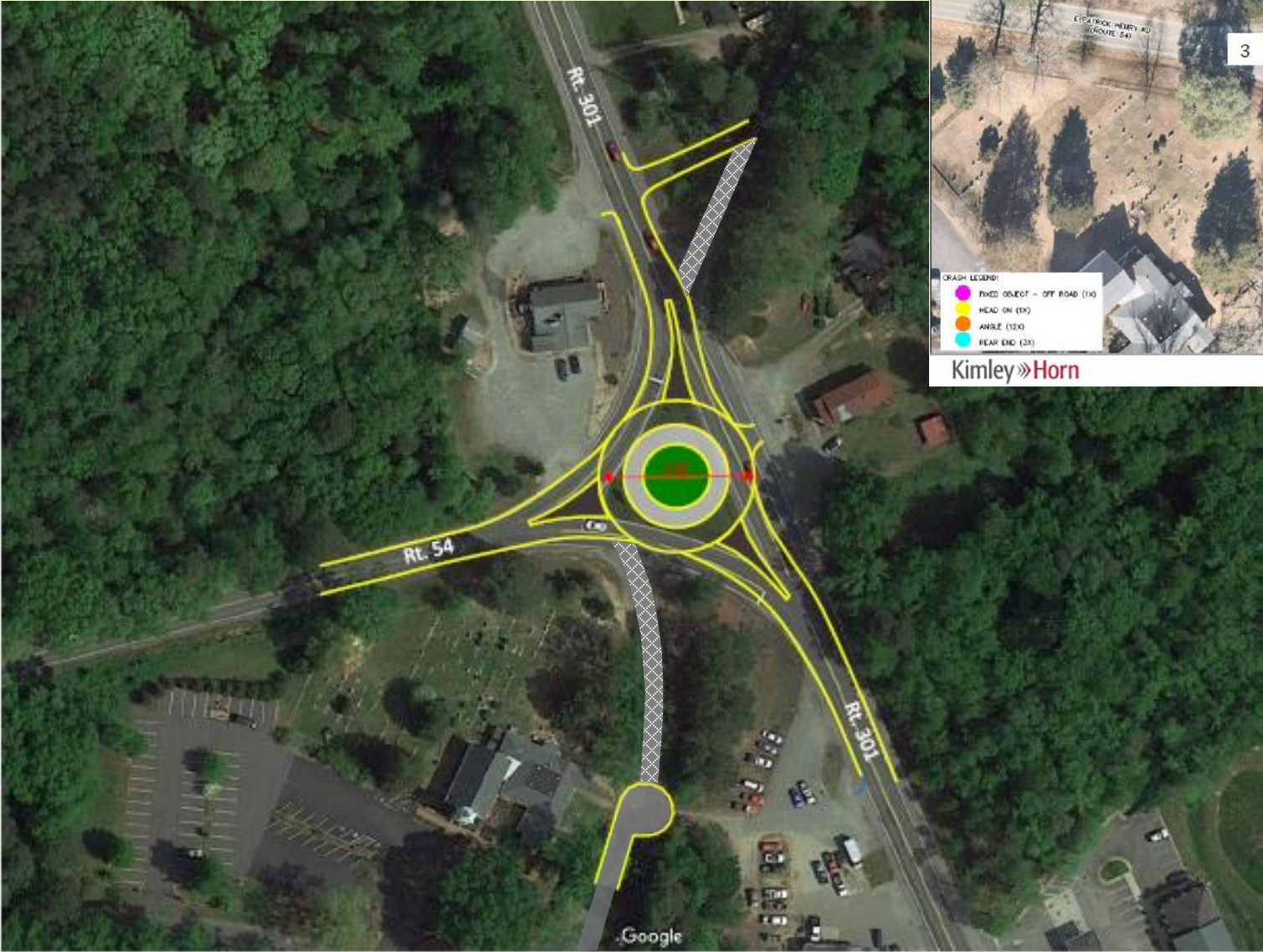
VDOT Design-Build 1:
From: 0.1 Mi. S. Ashland Town Line
To: 0.2 Mi. S. Chickahominy River
Length: 4.5 Mi.
Cost: \$12.3M (CY 2023)
Funding:
\$8.38M Reg. CVTA
\$3.92M SMART SCALE for Chick. Crossing

Spring 2023
VDOT Design-Build 2



Rt. 301/54 – Roundabout

Design Phase



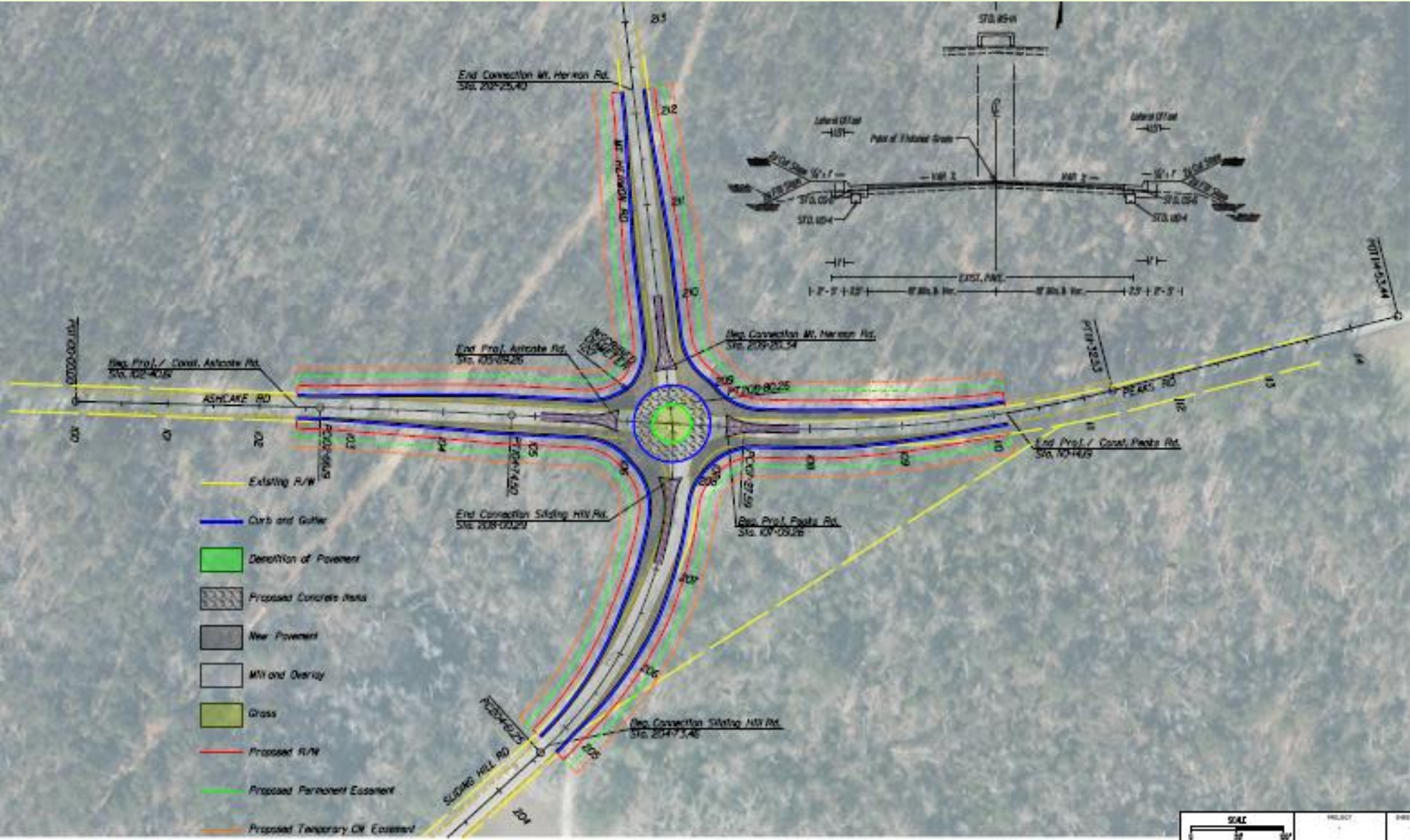
Ashland Rd / Ashcake Rd / Greenwood Rd / Blanton Rd

Pre-Design Phase



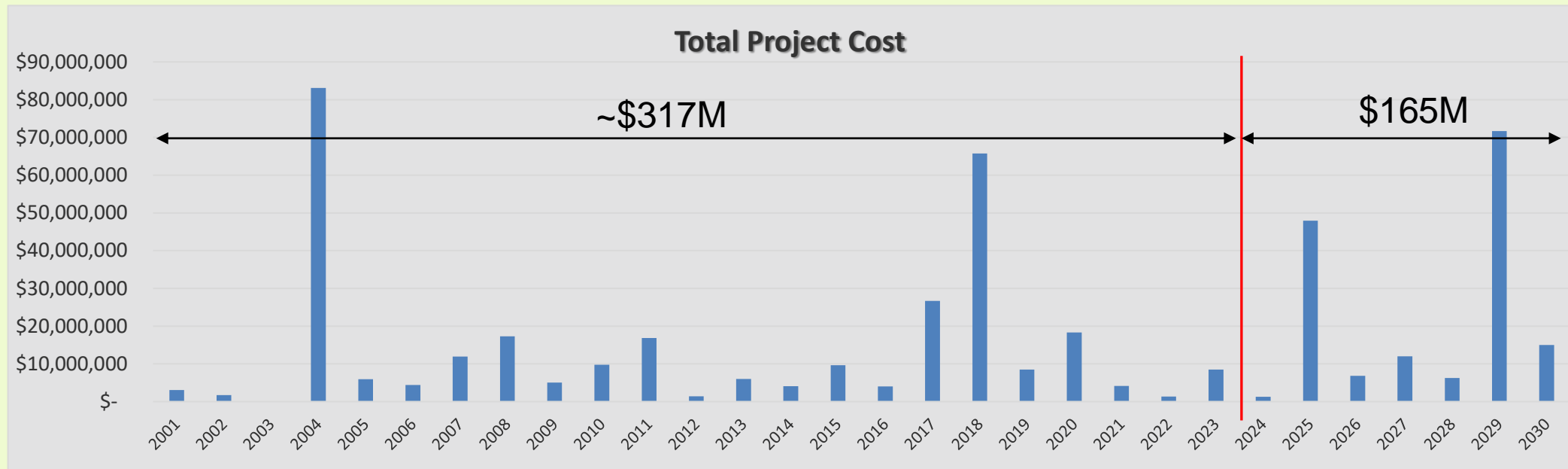
Sliding Hill Rd / Peaks Rd / Ashcake Rd / Mt. Hermon Rd

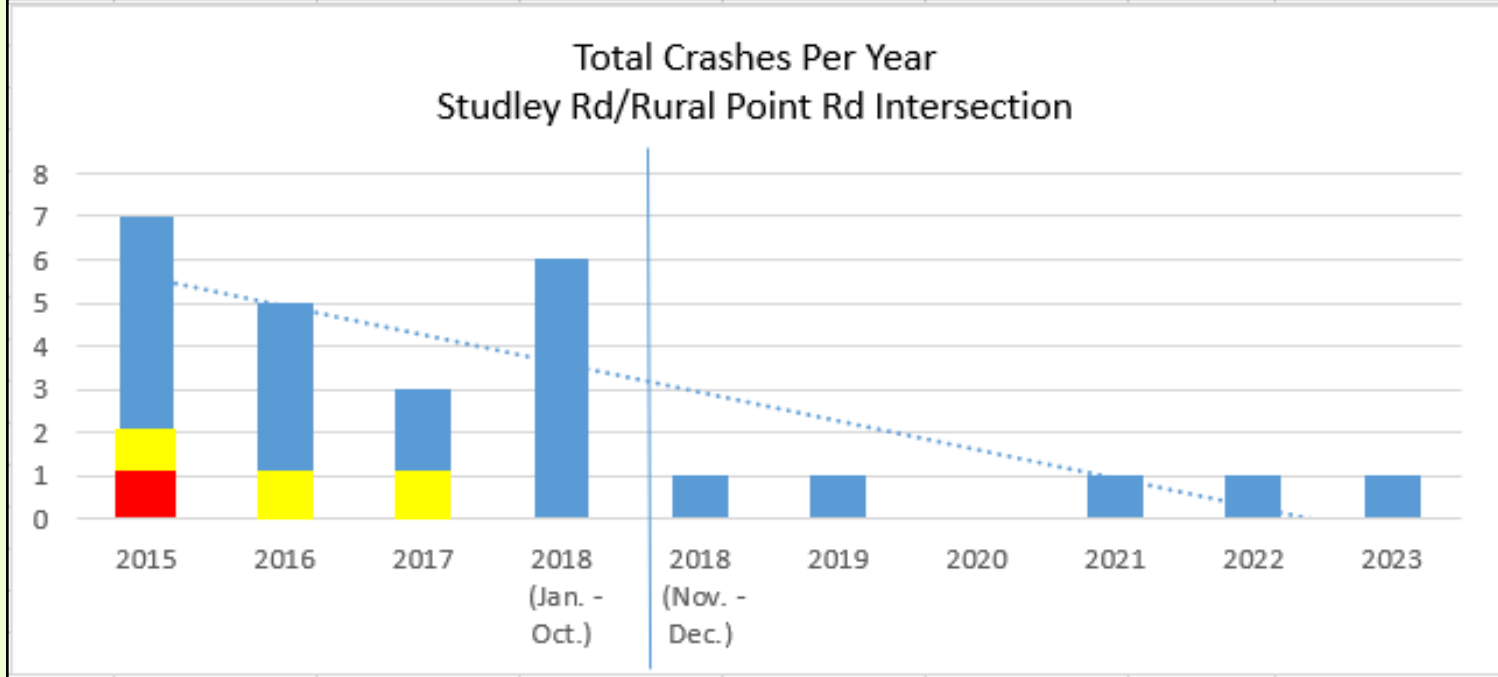
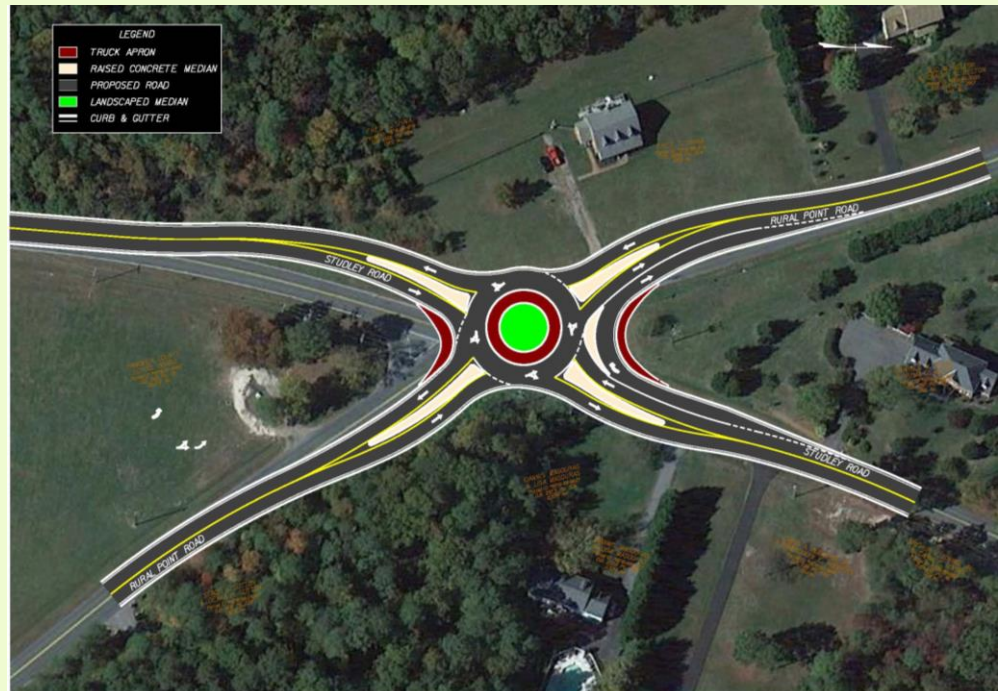
Design Phase



Summary

- 2001 to 2023 - ~\$317M*
- Current projects - \$165M





Come join our team!

Capital Project Specialist

(\$57,152 - \$97,158)

<https://www.hanovercounty.gov/317/Human-Resources>



VDOT Richmond District Locality of the Year (2022)