



Town Council
Transportation Planning Updates
June 13, 2023

E. Lee/Meetze Road VDOT Study

- 2002 Comprehensive Plan Calls for Roundabouts in lieu of lights when possible
- 2017 Walker Drive Rezoning Proffer
- 2018 HSIP Application
- 2019 VDOT Revenue Sharing cycle for \$1.4 million – Prorated
- Not Full 50/50 Match Δ \$92,117
- The new L&D estimate, with a new concept not requested by the Town, is now \$6,757,059 million (2021 uninflated)
- Portal Inflation \$9,307,453 (Project Completion 2031)
- November 2021 – Council Pulls Second Revenue Sharing Grant and Requests VDOT Study the Corridor
- Spring 2023 – VDOT Launching In House Study



Updated: 9/20/2021

VDOT Shirley Avenue Study - Frost to Falmouth

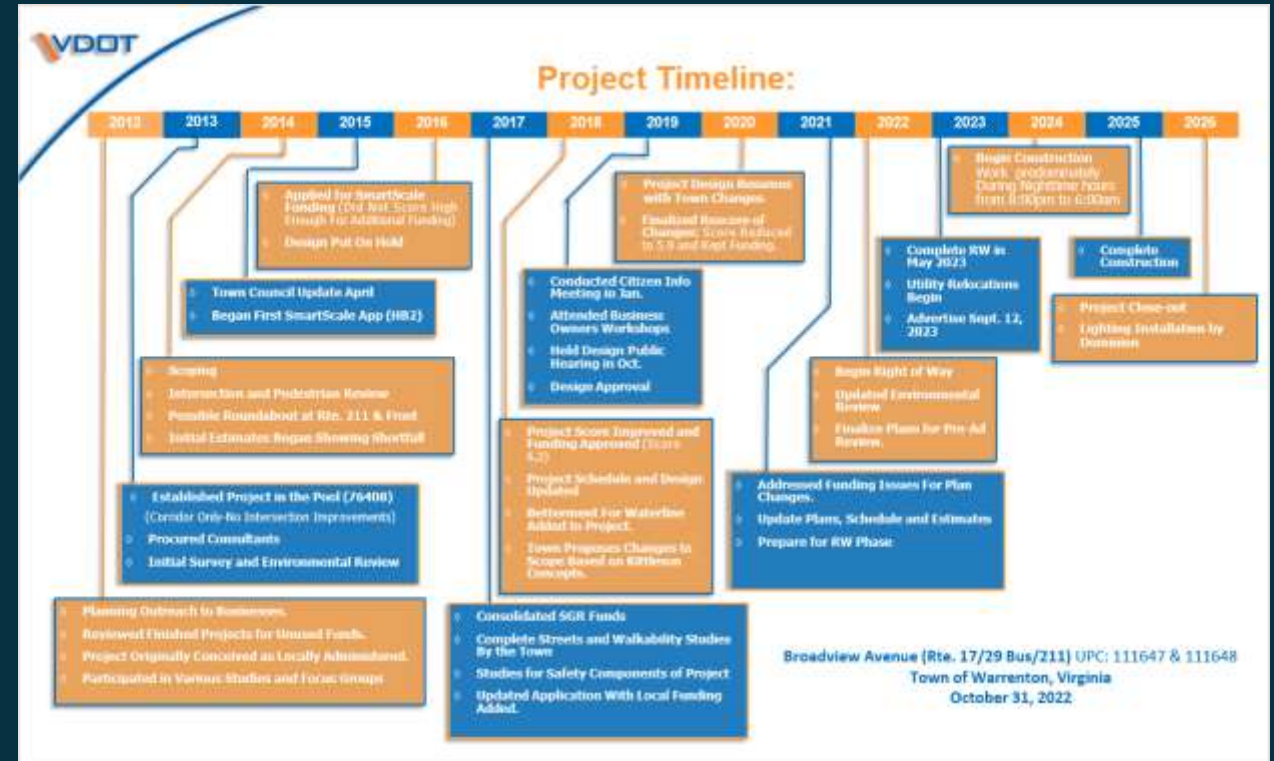


- Meets VTRANS Priority 2 Need (Prioritized 1-4)
- OIPI Location Identified Corridor Needs to be Studied: safety, congestion, bike/ped needs – Not studied before by VDOT
- Fall 2022 – VDOT District Applied Central Office Planning Division to STARS (Strategically Targeted Affordable Roadway Solutions) *Not Successful*
- Spring 2023 – VDOT District Successfully Applied to OIPI Pipeline Program
- Pipeline Kick off this Summer

Smart Scale Broadview Safety Improvement Project

Meets Plan
✓ Warrenton
Goal

- November 9, 2022 - Town Council Update from VDOT
- **ROW Phase Complete**
- September, 2023 – Bid
- January, 2024 - Award Project
- Spring 2024 – Anticipated Construction begins



VDOT Managed Project

Project Website: <https://www.virginiadot.org/projects/culpeper/broadview.asp>

Waterloo Street

- November 9, 2022 – Town Council Update
- FY2023 Budget/CIP Adoption – ARPA
 - \$70,000 Survey and begin engineering
 - FY2024 CIP Placeholder Not Cover Full Implementation
- FY2023 ARPA Funding Open RFP Issued
- February 1, 2023 – Transportation Consultant Award for ARPA Projects
- Spring 2023 – Survey
- **FY24 – Determine if Project Should Continue to be Funded/If Staff Should Pursue VDOT Grants with Longer Timeframe**



VDOT Project Pipeline – Lee Highway



- Identify VTRANS mid-term needs using Performance Based Approach
- Lee Highway Identified for Culpeper District as part of Statewide Initiative
- Overall corridor safety and congestion performance analysis
- Study Five Intersections
 - Broadview
 - Branch Dr
 - Village Center
 - Fletcher
 - Blackwell Road
- Town Council Provided Updates Throughout Project
- March 8, 2022/July 12, 2022 – Town Council Directed Staff to Apply for Smart Scale Funding Based on Pipeline Report
- CTB to approve Six Year Plan June 20-21, 2023



VDOT Managed Project

Project Website: <https://vapipeline.org/studies/culpeper/cu01-us-211.asp>

Round 5 Smart Scale Project Broadview/Winchester/Lee Roundabout

Meets Plan
✓ Warrenton
Goal

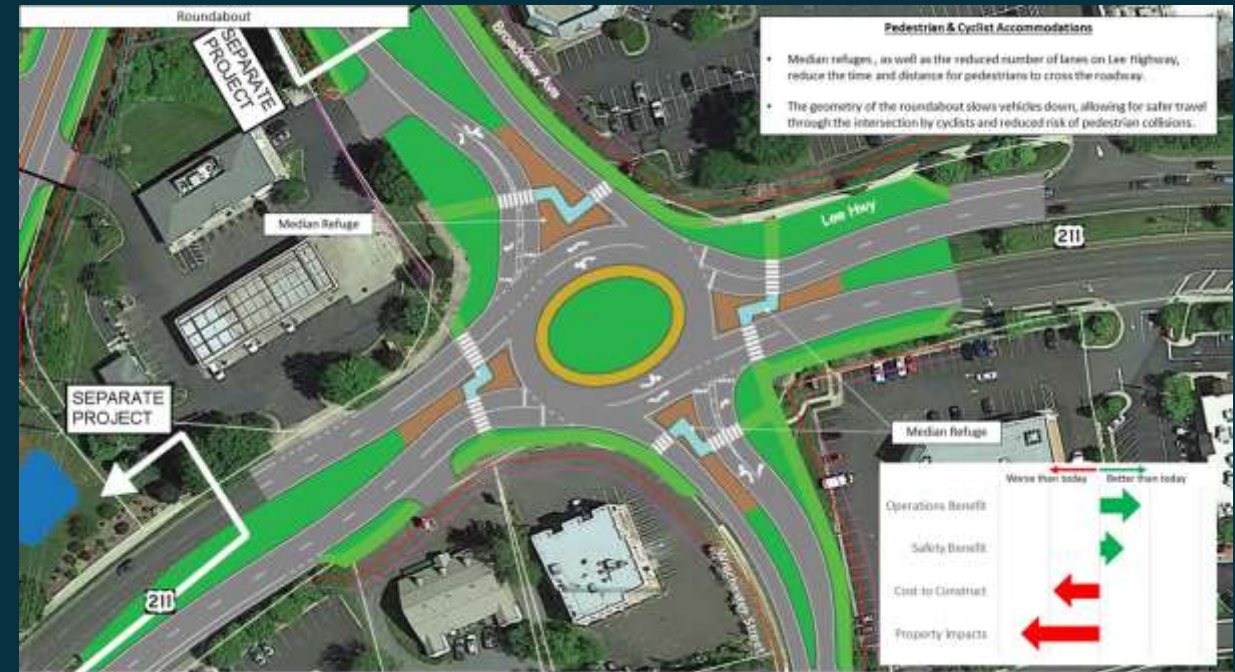
- Round 4 & 5 Application – Town Council Resolution
- CoSS and UDA
- Included in Plan Warrenton 2040
- Included in FY23-28 CIP
- Pipeline Study
 - This alternative reconfigures the intersection to a multi-lane hybrid roundabout.
 - The roundabout can improve operations by 60%, reduce crashes up to 60%, and improve the safety of pedestrian crossings.

January 2023 - Recommended for Funding

\$14,890,760

Anticipated Engineering – FY25

Anticipated Construction – FY29



Round 5 Smart Scale Project Lee Hwy/Blackwell Road Roundabout

☒ Meets Plan
Warrenton
Goal

- Included in Plan Warrenton 2040
- Included in FY23-28 CIP
- CoSS and UDA
- Pipeline Study
 - This alternative reconfigures the intersection to a multi-lane hybrid roundabout.
 - The roundabout can improve operations by 70%, reduce crashes up to 60%, and improve the safety of pedestrian crossings.

January 2023 - Recommended for Funding \$14,066,640
Anticipated Engineering – FY25
Anticipated Construction – FY29



Smart Scale Round 5 – Culpeper District

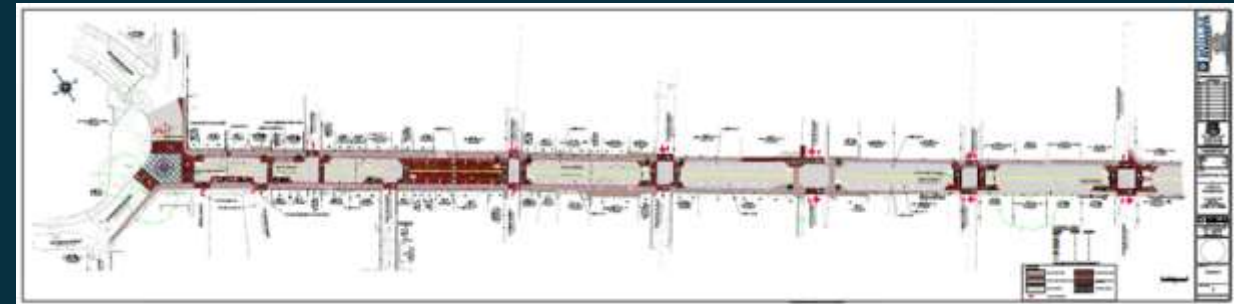
\$28,957,400 Total Investment in Town Infrastructure
Approximately 20% of Total for Culpeper District
100% Federally Funded

Application ID	Project	Organization	SMART SCALE Request	SMART SCALE Score	Step Funded
9137	Rt. 3, Rt. 669 Intersection Improvement (Partial R-Cut)	Culpeper County	\$4,686,393	11.63	1
9178	Avon Street Multimodal Improvements	Charlottesville-Albemarle MPO	\$15,807,317	8.46	2
9171	Route 230 & Route 687 Intersection Improvements	Madison County	\$11,320,633	7.89	1
8942	Orange Rd / Fredericksburg Rd Roundabout	Culpeper Town	\$12,796,616	7.66	1
9284	Old Brandy Road Sidewalk Extension	Culpeper Town	\$8,292,885	7.11	1
9272	Route 28 & Station Drive - Roundabout	Fauquier County	\$9,254,511	6.63	1
9289	Orange Road Sidewalk Extension	Culpeper Town	\$8,592,462	6.40	1
9331	US250/Peter Jeff. Pkwy Intersection Imprvmnts & Access Mngmnt	Thomas Jefferson PDC	\$20,546,717	6.02	2
9124	Rt. 229 and Rt. 621 Roundabout	Culpeper County	\$10,042,765	5.94	1
9158	W Lee/US17BusN/Winchester Intersection Improvement	Warrenton Town	\$14,890,760	5.44	1
9159	Pipeline Project Lee Hwy/Blackwell Road Safety Improvement	Warrenton Town	\$14,066,640	5.26	1
9144	Belvedere Boulevard and Rio Road Intersection Improvements	Albemarle County	\$4,890,328	4.58	1
9059	Route 3 / Route 20 Intersection Improvements	Orange County	\$16,980,924	4.25	1
Total Staff Recommended - 13			Total	\$152,168,951	

June 2023 – CTB Final Adoption

Main Street Improvement Project

- 1992 Spreiregen Plan
- 2002/2013 Comprehensive Plan
- 2018 HSIP Grant
- 2019 VDOT Revenue Sharing cycle for \$1.47 million
- The new L&D estimate, the same concept with deeper cost analysis, \$4,163,746 (2021 uninflated)
- Portal Inflation \$5,698,974 (Project Completion 2031)
- Variables: Administration, Timing, PE Design Bid, materials, ROW, Scope, MOT, contingency percentage
- Estimate DOES NOT include sidewalk rebrick, administration costs, potential ROW
- November 2021 – Town Council Direction to Staff to Withdraw 2021 Application



Main Street Decision Points

- Direction regarding Letter to Fauquier County Requesting Participation in Project
 - Request \$740,000 to match VDOT/Town Contribution
 - Implement Design/Engineering FY25
 - Start at Court House proceed east by block with implementation
 - Apply for future grants to implement entire project after lessons learned



Town Council
Transportation Planning Updates
June 13, 2023