

### What Are We Going to Cover Today?

#### **Current Projects**

- Speed Studies
- E. Lee/Meetze Study
- Shirley Avenue Study
- Broadview
- Waterloo Street
- Public Facilities Manual
- Circuit Rider/Ongoing

#### In the Hopper

- Revenue Sharing Main Street
- Revenue Sharing Walker Drive/E.
   Lee Roundabout
- Smart Scale
   Winchester/Lee/Broadview
   Roundabout
- Smart Scale Blackwell/Lee Roundabout

#### PLAN WARRENTON 2040

#### TRANSPORTATION & CIRCULATION GOALS



- T-1: Improve multi-modal capacity and safety that encourages trips by walking, bicycling, and transit.
- T-2: Enhance the traveling experience by creating great streets.
- T-3: Promote livability in the Town by creating great places where residents and visitors feel welcome and safe.
- T-4: Provide an equitable and connected Multi-Modal Network.

Near-Term Recommendations						
Lee Hwy between Broadview Ave and U.S. 15/17/29 Interchange						
Broadview Avenue and Roebling Street						
Broadview Ave and Lee Hwy						
Bear Wallow Rd and Roebling St						
Main Street Improvements						
Walker Street and East Lee						
Shirley Ave between Culpeper St and Falmouth St						
Shirley Ave between Broadview Ave and Culpeper St						
Shirley Ave and Culpeper St						
U.S. 211 and Van Roijen St						
Blackwell Rd and Lee Hwy						

#### PLAN WARRENTON 204

	Proposed Projects	Type	Capacity	Capacity	History	Development
1	Shirley Ave and Culpeper St	Intersection	HIGH	HIGH	POOR	SIGNIFICANT BENEFIT
2	Shirley Ave between Culpeper St and Falmouth 5t	Segment	HIGH	HIGH	POOR	SIGNIFICANT BENEFIT
3	Lee Hwy between Broadview Ave and U.S. 15/17/29 Interchange	Segment	HIGH	HIGH	POOR	SIGNIFICANT BENEFIT
4	Blackwell Rd and Lee Hwy	Intersection	HIGH	HIGH	POOR	SIGNIFICANT BENEFIT
5	Falmouth St between Shirley Ave and Old Meetze	Segment	MODERATE	HIGH	GDOD	POTENTIAL BENEFIT
6	Broadview Ave and Lee Hwy	Intersection	MODERATE	HIGH	POOR	SIGNIFICANT BENEFIT
7	James Madison between Falmouth St and Alwington Blvd	Segment	MODERATE	HIGH	POOR	SIGNIFICANT BENEFIT
8	Shirley Ave between Broadview Ave and Culpeper St.	Segment	MODERATE	HIGH	POOR	SIGNIFICANT BENEFIT
9	Bear Wallow Rd and Roebling St	Intersection	MODERATE	MODERATE	POOR	SIGNIFICANT BENEFIT
10	U.S. 211 and Van Roijen St	Intersection	LOW	MODERATE	POOR	SIGNIFICANT BENEFIT
11	Roebling St and Broadview Ave	Intersection	MODERATE	HIGH	OBSERVE	SIGNIFICANT BENEFIT
12	Main Street Improvements	Segment	MODERATE	MODERATE	POOR	POTENTIAL BENEFIT
13	Blackwell Rd between Walker Dr and Lee Hwy	Segment	LOW	MODERATE	OBSERVE	SIGNIFICANT BENEFIT
14	Broadview Ave between Roebling St and U.S. 17	Segment	LOW	MODERATE	OBSERVE	SIGNIFICANT BENEFIT
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18	Blackwell Rd/ Alexandria Pike between Walker Dr and Main St	Segment	LOW	LOW	GOOD	SIGNIFICANT BENEFIT
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26	Old Waterloo Rd and Van Roijen St	Intersection	LOW	LOW	POOR	MINIMAL BENEFIT
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28	Winchester St between Rappahannock St and Town Limits	Segment	LOW	LOW	GOOD	POTENTIAL BENEFIT
29	Walker Dr and East Lee St	Intersection	LOW	MODERATE	GOOD	MINIMAL BENEFIT
30	Missing Links (Roebling St, etc.)	Segment	LOW	LOW	GOOD	MINIMAL BENEFIT
31	Connector road between East Lee and Falmouth St	Segment	N/A	N/A	N/A	POTENTIAL BENEFIT
32	Walkability Audit Recommendations	Townwide	N/A	N/A	N/A	SIGNIFICANT BENEFIT

#### ONGOING STUDIES

### Speed Studies



- November 2022 Council Directed PD to Conduct 14 Speed Studies
  - Foxcroft Rd.
  - Piedmont St.
  - Sycamore St.
  - Blue Ridge St.
  - Rappahannock St.
  - Norfolk Dr.
  - Dover Rd.
  - Plain Rd.
  - Gay Rd.
  - Beacon Rd.
  - Short St.
  - Gold Cup Dr.
  - Meadowview Ln.
  - Fauquier Rd.
- Analysis to Include Roadway Characteristics, Crash History, Speed Data, Summary of Findings/Recommendations
- Preliminary Results to PD mid February



## 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  $\triangle$  \$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 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

# VDOT Shirley Avenue Study - Frost to Falmouth



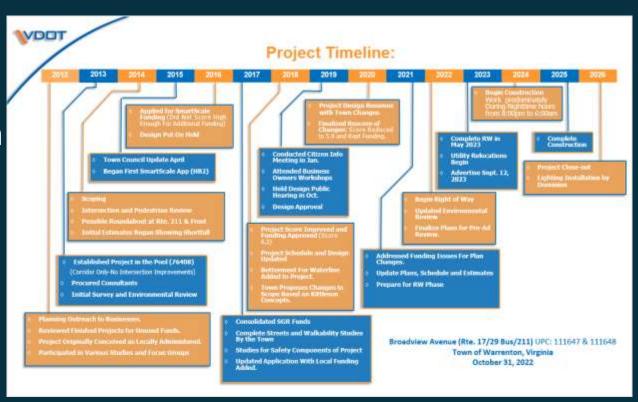
- Meets VTRANS Priority 2 Need (Prioritized 1-4)
- OIPI Location Identified Corridor Needs to be Studied: safety, congestion, bike/ped needs – Not studied before by VDOT
- Fall 2022 VDOT District Applied Central Office Planning Division to STARS (Strategically Targeted Affordable Roadway Solutions) Not Successful
- Spring 2023 VDOT District Apply to OIPI Pipeline Program and/or STARS Next Round
- Pipeline Kick off this Spring
- STARS kick off Early Summer
- Does Town Concur with Location of Study?

#### ONGOING FUNDED PROJECTS

# Meets Plan Warrenton Goal

# Smart Scale Broadview Safety Improvement Project

- November 9, 2022 Town Council Update from VDOT
- ROW Phase Nearing Completion
- Pre-Bid Meeting Upcoming
- September, 2023 Bid
- January, 2024 Award Project
- Spring 2024 Anticipated Construction begins





#### Waterloo Street

- November 9, 2022 Town Council Update
- FY2023 Budget/CIP Adoption ARPA
  - \$70,000 Survey and begin engineering
  - FY2024 CIP Placeholder \$250,000
- FY2023 ARPA Funding Open RFP Issued
- February 1, 2023 Transportation Consultant Award for ARPA Projects
- Spring 2023 Survey and Begin Design Engineering
- FY24 Determine if Project Should Continue to be Funded





## Public Facilities Manual Update

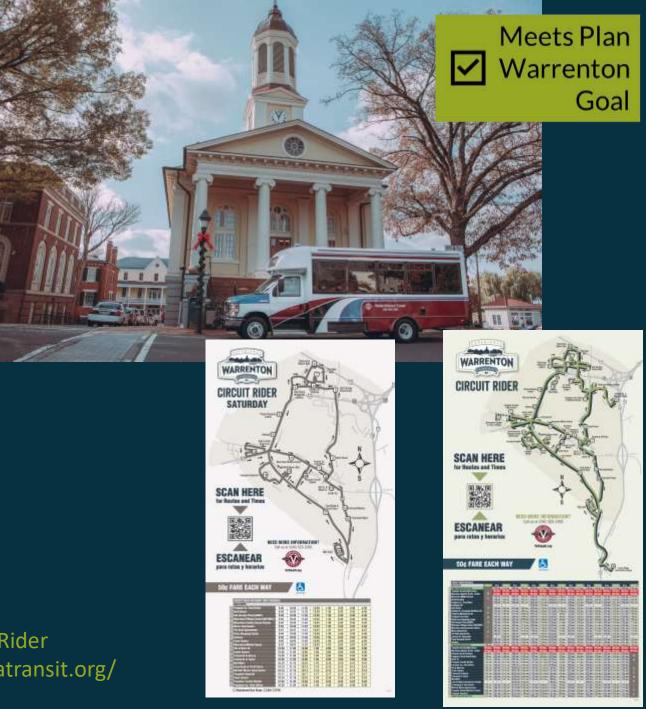
- What is the PFM?
  - Last Update February 14, 2006
  - Section 700 Street Design and Construction General Street Design, Preliminary Street Planning, Profiles, Sidewalks, Utilities, Etc...
- Plan Warrenton 2040
  - Complete Streets
  - Multi-Modal
  - Walkability Audits
- Update PFM to match Plan Warrenton 2040, Federal, and State Standards
  - Originally Funded 2017, paused until completion of Comp Plan
  - Staff Resources to Complete
- Performance based and Context Sensitive Design for Subdivisions, Entrance and Access Standards, Bicycle/Pedestrian Facilities
- Why Important?
  - Stormwater, Multi-Modal, Alternative Materials, Livability

## ONGOING

#### Circuit Rider

- Virginia Regional Transit provides Two Buses in Warrenton
  - On Demand
  - Fixed Routes
  - Bus Tracker
- Town Partnered to Install 5<sup>th</sup> Street Bus Shelter
- December 2022 Staff Toured Routes with VRT
- VRT Incorporated Town Branding into Signage and Brochures
- VRT Would Like to Present to Council at Upcoming Meeting

VRT Circuit Rider
Website: https://vatransit.org/



## Ongoing Work

- Crosswalks
- ADA Compliance
- Bicycle Racks
- State of Good Repair
- Signage
- Street Light Maintenance
- Signal Maintenance



## IN THE HOPPER



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** 



# +

#### Meets Plan Warrenton Goal

# Round 5 Smart Scale Project Lee Hwy/Blackwell Road Roundabout

- 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

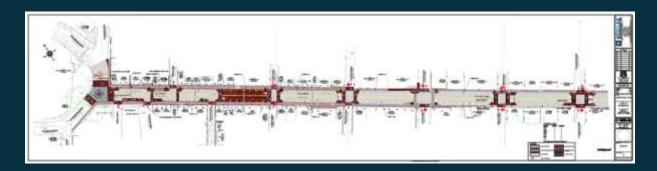
Application ID	Project	Organization	T	SMART SCALE Request	SMART SCALE Score	Step Funded
9137	Rt. 3, Rt. 669 Intersection Improvement (Partial R-Cut)	Culpeper County		\$4,686,393	11.63	1
9178	Avon Street Multimodal Improvements	Charlottesville-Albemarle MPO		\$15,807,317	8.46	2
9171	Route 230 & Route 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		



## 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

- Options for Consideration
  - Begin Project Now with Reduced Implementation
  - Wait until original FY25 to undertake the Project Reduced Implementation
  - Open Conversations with County Regarding Funding Needs
  - Apply for Other VDOT Grants
  - Abandon Revenue Sharing Grant



### NEXT STEPS

## VDOT "Stable" of Projects from Town

- Identify and Prioritize "Stable" of Projects
- Comprehensive Plan, Pipeline Studies, STARS, CIP
- Ongoing Rotation of Grant Cycles



#### TRANSPORTATION & CIRCULATION GOALS



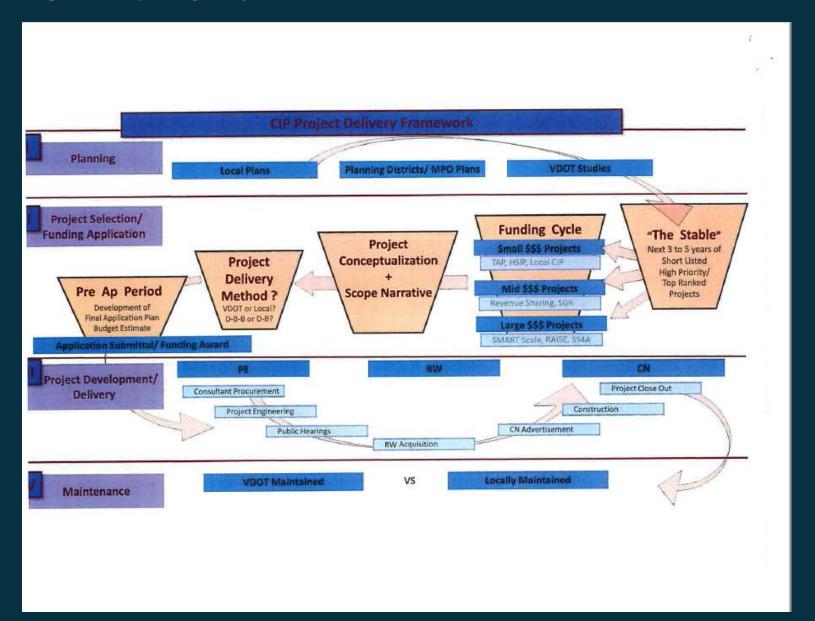
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#### **VDOT Flow Chart**



# Round 6 Smart Scale Potential US17/Broadview/Shopping Center Roundabout



- Previous Round 4 and Round 5 –
   Town Council Resolution
- CoSS and UDA
- Included in Plan Warrenton 2040
- Included in FY23-28 CIP
- Under the New Scoring System would have been funded in Round 4, Narrowly Missed Round 5



#### Round 6 Smart Scale Potential Other Pipeline Study Recommendations Example: Fletcher Drive



- CoSS and UDA
- Included in Plan Warrenton 2040
- Pipeline Study
- Potential to Group with Round 5
   Projects



Roundabout: 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.

# Town Staffing Examples

Project	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30+
Broadview	Χ	X	X					
Waterloo Street	Χ	Χ	X	Χ				
Main Street	X	X	X	X				
Winchester/Lee/ Broadview Roundabout			X	X	X	X	X	X
Lee/Blackwell Roundabout			X	X	X	X	X	X
Round 6 Smart Scale	Χ	Χ					X	X
Ongoing Studies, Applications, and Maintenance	X	X	X	X	X	X	X	X

#### Decision Points

- VDOT Shirley Avenue Study Frost to Falmouth Concurrence
- Revenue Sharing/Smart Scale "Stable" of Projects for VDOT
- Revenue Sharing Grant for Main Street
- Smart Scale Round 6
- Budget Retreat Determine Priorities and Available Resources
- Capital Improvement Plan Ensure Available Resources for Projects
- VRT Would Like to Present to Council at Upcoming Meeting

