

ALBEMARLE COUNTY VDOT STAKEHOLDER MEETING 2 – PHASE 1

















Agenda

- Introductions
- Meeting Goals
- Study Scope Overview
- Review Existing Conditions
- Phase 1 Preliminary Ideas
- Next Steps









Meeting Goals

- Review existing conditions
- Finalize preliminary ideas and prepare for Phase 2









33

Phase 1: Preliminary Alternatives

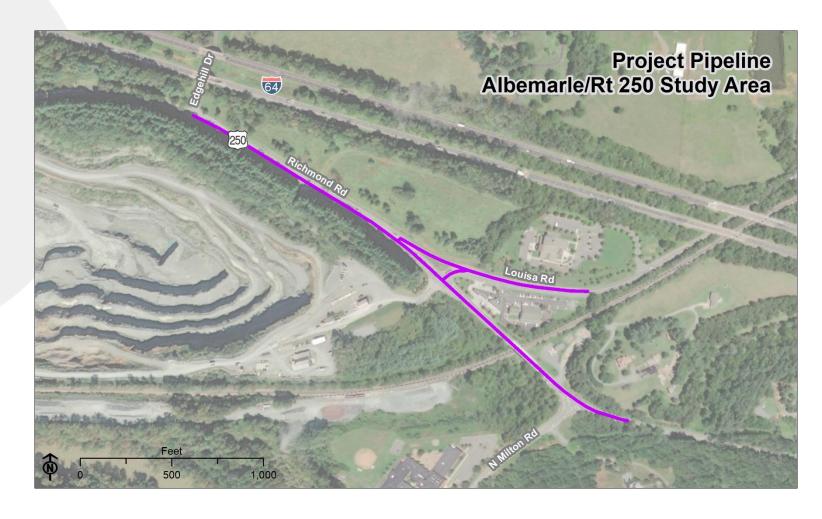
Shadewell: US 250 and Route 22

Scope Review

- Corridor congestion and safety performance analysis
- Assess VTrans Mid-Term Needs
- Develop preliminary alternatives based on existing conditions

Study Intersections:

- US 250/Route 22 (Louisa Road)
 - Includes Slip Lane from Route 22 onto US 250 Westbound
- US 250/N Milton Road









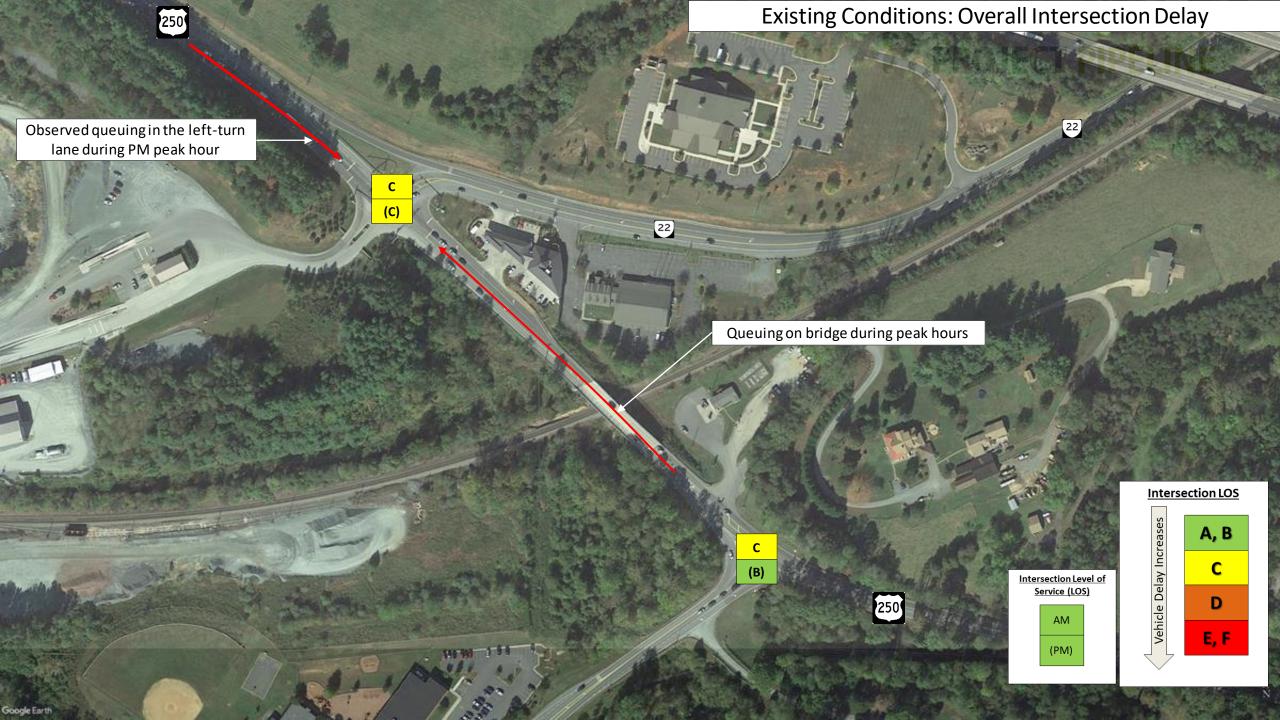


VTrans Needs Revew

Shadewell: US 250 and Route 22

VTRANS IDENTIFIED NEEDS	PRIORITIES	OPTIONS	
Bicycle Access	Low	▼ RN	T
Capacity Preservation	None	▼ Select	₹
Congestion Mitigation	High	▼ CoSS/RN	
EDA (UDA) Access	None	_ Select	-
Pedestrian Access	None	▼ RN	▼
Safety Improvement	Very High	▼ State/District	_ ▼
Podostrian Safety Improvement	None	Soloot	T
teliability	Very High	▼ CoSS/RN	-
Pail On time Perfermence	None	Salaat	-
ransit Access	Low	▼ RN	
ransit Access for Equity Emphasis Areas	None	_▼ Select	Ŧ
ransportation Demand Management	Very High	▼ CoSS/RN	
PURPOSE	JGOALS & OBJECTIVES		











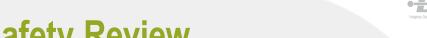


Safety Review

Shadewell: US 250 and Route 22

- Safety need at US 250 and Route 22 (PSI Rank 7)
 - 8 angle crashes involve eastbound left and westbound thru
 - 1 A and 2 B injury crashes
 - Flashing Yellow / may be difficult to see oncoming traffic during peak volumes.
 - 36 rear-ends of which most occur on eastbound US 250 (>65%)
 - 1 A 4 B and 9 C injury crashes
 - 5 (2 of 5 C injury) alcohol related incidents
- Segment summary: rear-end crashes due to stop-and-go traffic caused from both traffic signals
 - Most of which occur between 3:30 PM and 5:30 PM
- Route 22 acceleration lane onto US 250 westbound is short but no significant crash pattern identified but length does affect operations.











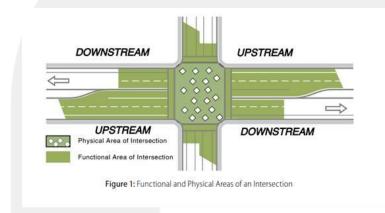
Safety Review

Shadewell: US 250 and Route 22

Crashes weighted based on crash severity SMART SCALE KABCO Scale

КАВСО	Description	Weight
K	Fatal	85
Α	Suspected Serious Injury	85
В	Suspected Minor Injury	10
С	Possible Injury	5
0	Property Damage Only	1

Crashes grouped based on functional area of intersection











• PRPT We Intermed of that and Patter Transportation Planning and Investment Planning and In

Project Pipeline Phases: Recommendation Process

PHASE 1: Diagnosing the Problem & Solution Screening

Initial Screening Completed



Completed



VDOT Screening Stakeholder Screening **TODAY**

PHASE 2: Evaluating the Ideas & Preliminary Alternatives

Future Operations Nov-Dec 2021



Nov-Dec 2021



Conceptual Planning Stakeholder/Public Screening Dec-Jan 2022

PHASE 3: Finalizing the Solutions & Submitting for Funding

Jan-March 2022





Final Concepts VDOT Validation Application Submission

Jan-March 2022

March 2022









Shadewell: US 250 and Route 22

- Alternative development focused on:
 - Reducing Congestion
 - Reducing risk of angle, rear-end collisions
 - Accommodating Luck Stone heavy vehicle traffic
 - Providing consistent and reliable travel times



Re-Striping or Modify Lane Configurations

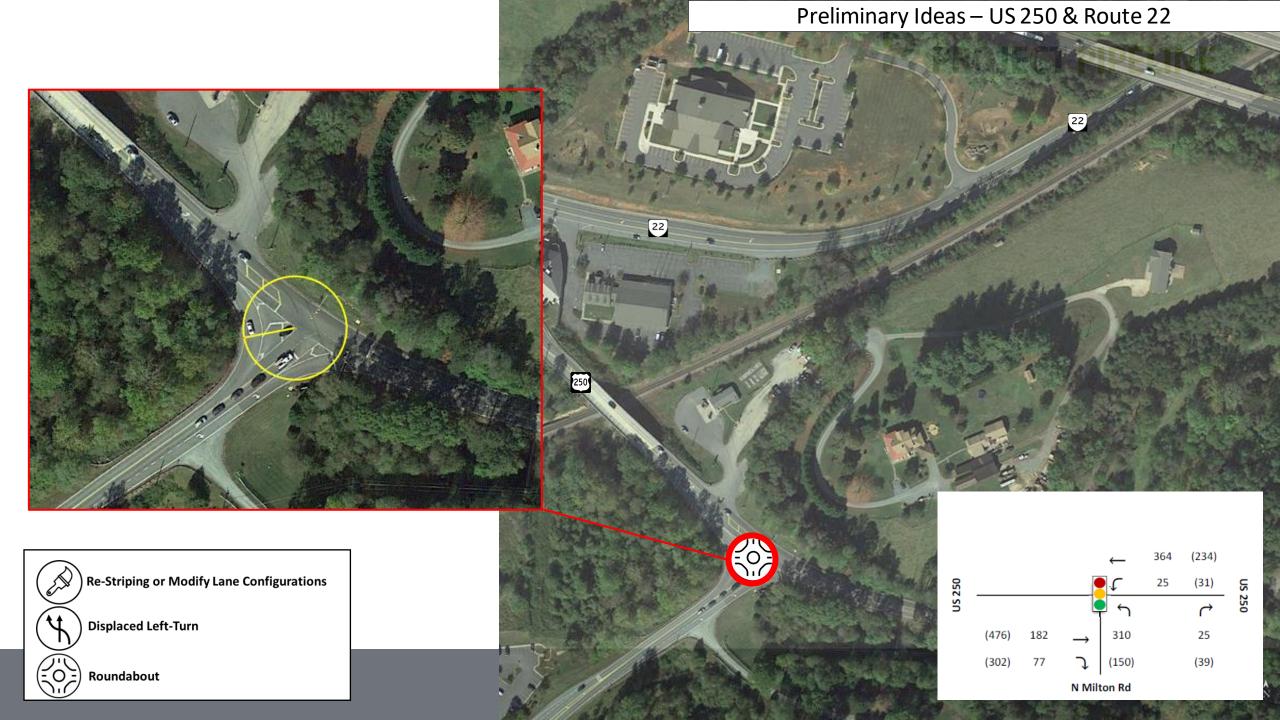


Displaced Left-Turn



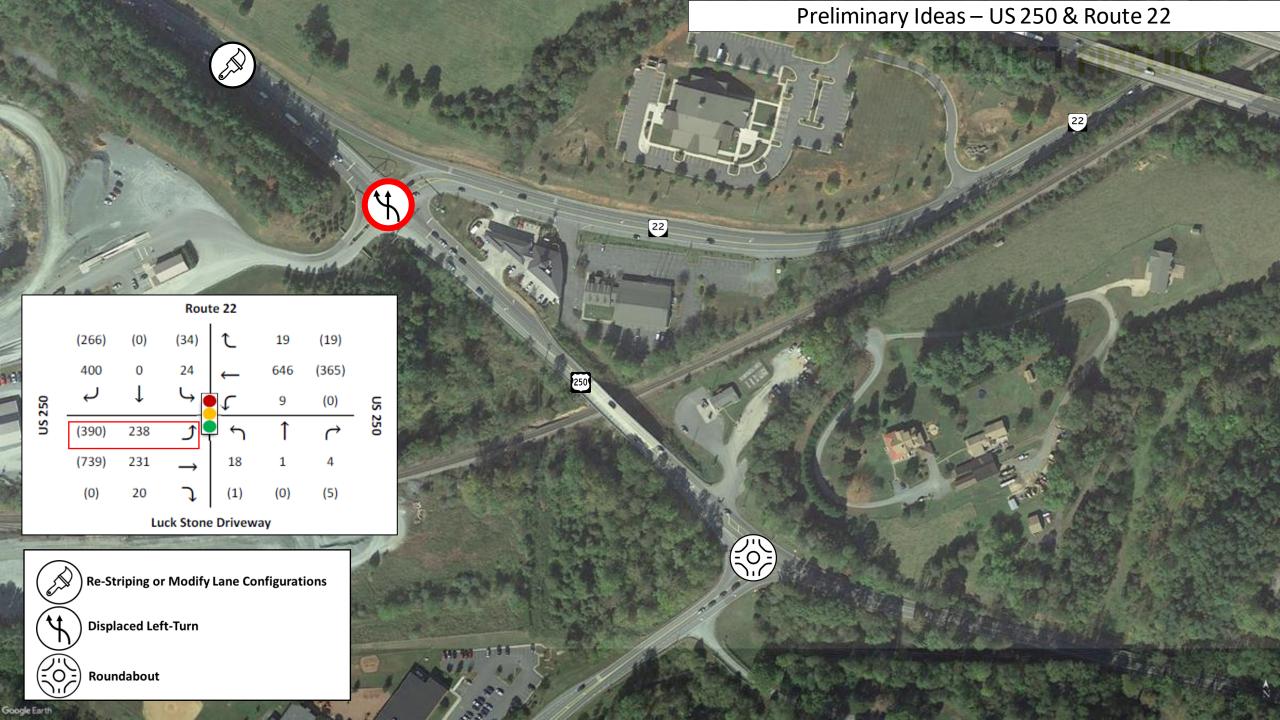
Roundabout







Preliminary Ideas – US 250 & Route 22 Extend existing merge lane from southbound Route 22 onto US 250 Includes improved signage for merge lane Re-Striping or Modify Lane Configurations Displaced Left-Turn Roundabout

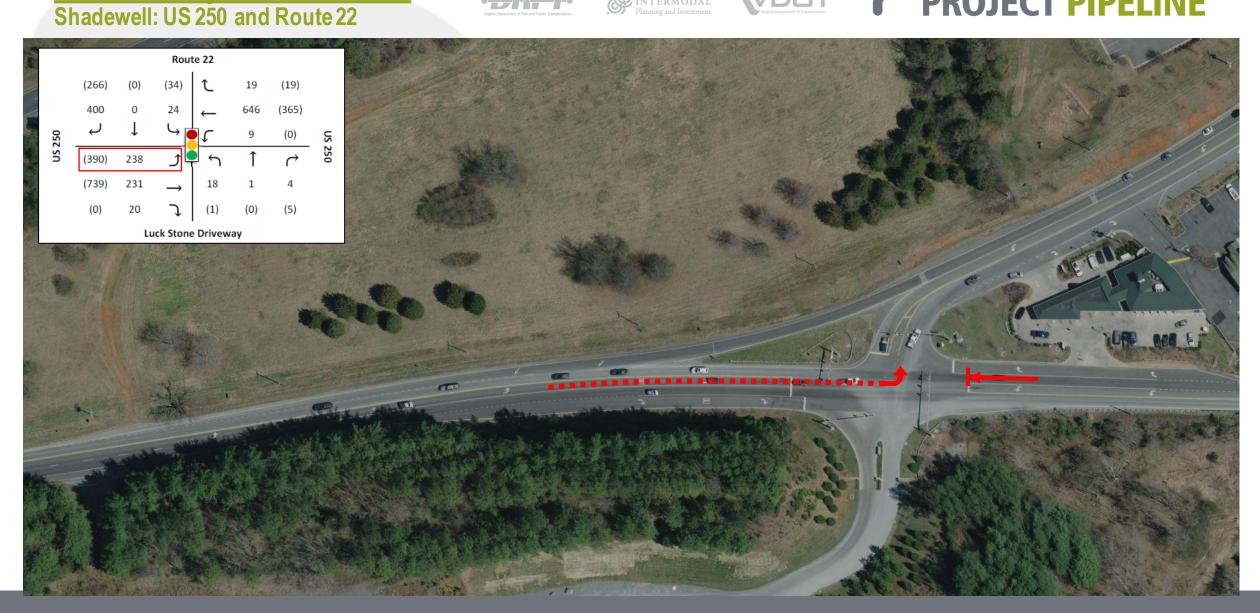










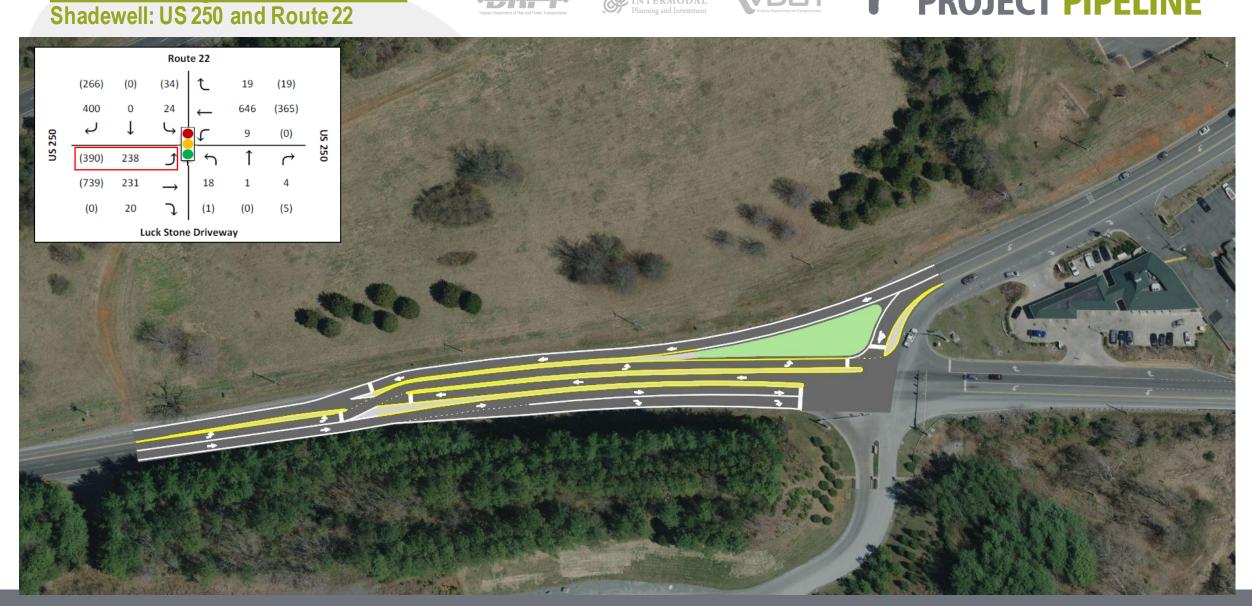




















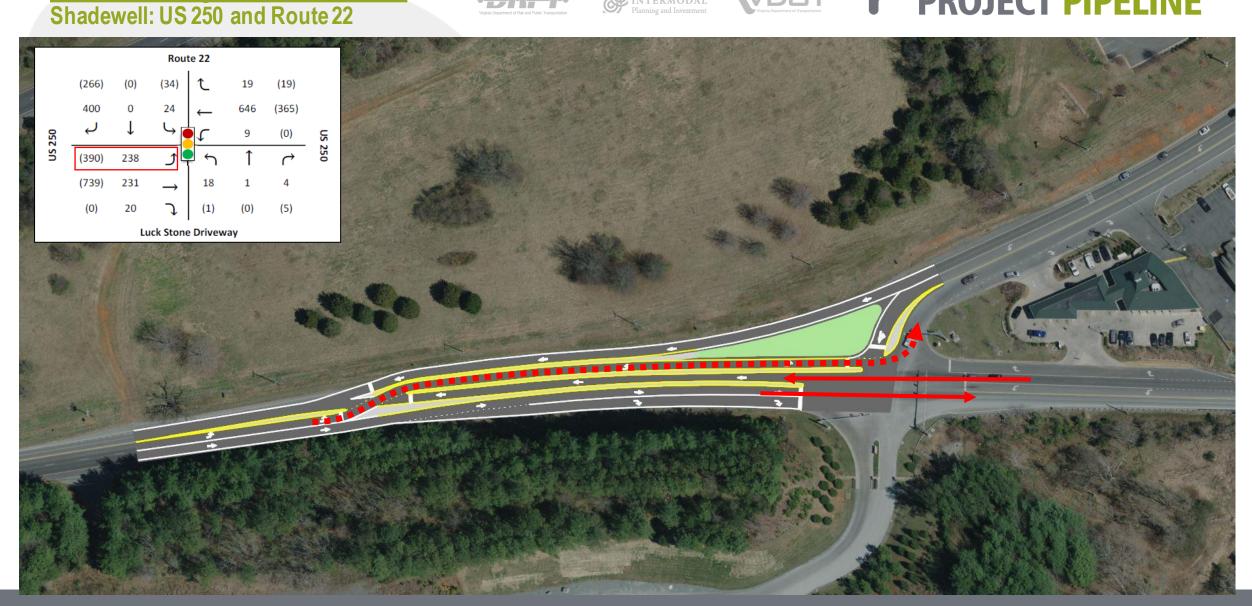












DRAFT

7

US 250 (Richmond Road) from VA 22 (Louisa Road) to VA 729 (North Milton Road)



Existing Conditions



There is a grade-separated rail crossing in corridor



RideShare through the TJPDC is the primary commuter assistance program in the region



No park and rides in area



No bikeshare or scooter sharing in this area



Jaunt provides demand response service throughout Albemarle County



No transit infrastructure in this area











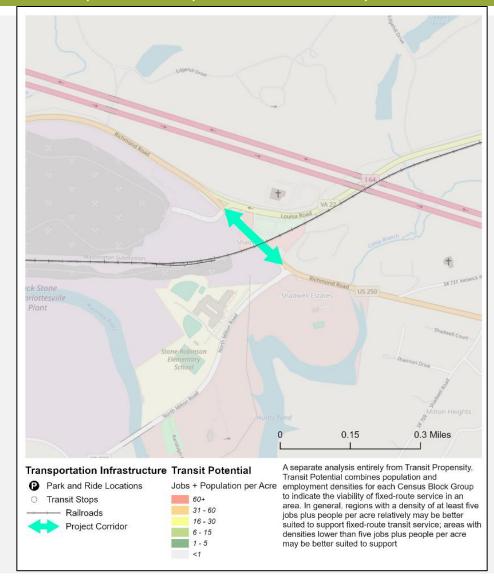




DRAFT

12

US 250 (Richmond Road) from VA 22 (Louisa Road) to VA 729 (North Milton Road)





DRAFT

US 250 (Richmond Road) from VA 22 (Louisa Road) to VA 729 (North Milton Road)





Jaunt is currently exploring the potential of supplementing or replacing demand response service in some areas with app-based microtransit



Consider developing a park and ride facility in this area, preferably at or near Exit 124



Leverage the existing RideShare commuter assistance programs to promote the use of transit, carpool and vanpool, and to provide ridematching and commute options information to residents, employers, and employees.













Next Steps

- Support to advance preliminary ideas in Phase 2
 - Local feedback needed in two-weeks or prior to Thanksgiving
- Public outreach
 - Pantops: https://vaprojectpipeline.org/studies/culpeper/cu03-us-250.asp
 - Shadewell: https://vaprojectpipeline.org/studies/culpeper/cu02-us-250.asp
- Phase 2
 - Future Conditions
 - Concepts
 - Preferred Alternative Selection









VDOT District Contacts

Chuck Proctor

Charles.proctor@vdot.virginia.gov

Consultant Team Contacts Team 1 / Team 2

Zach Harris

zharris@mbakerintl.com

Team 3

Nick Britton

jnick.britton@mbakerintl.com