



**Loudoun County**

**VIRGINIA**

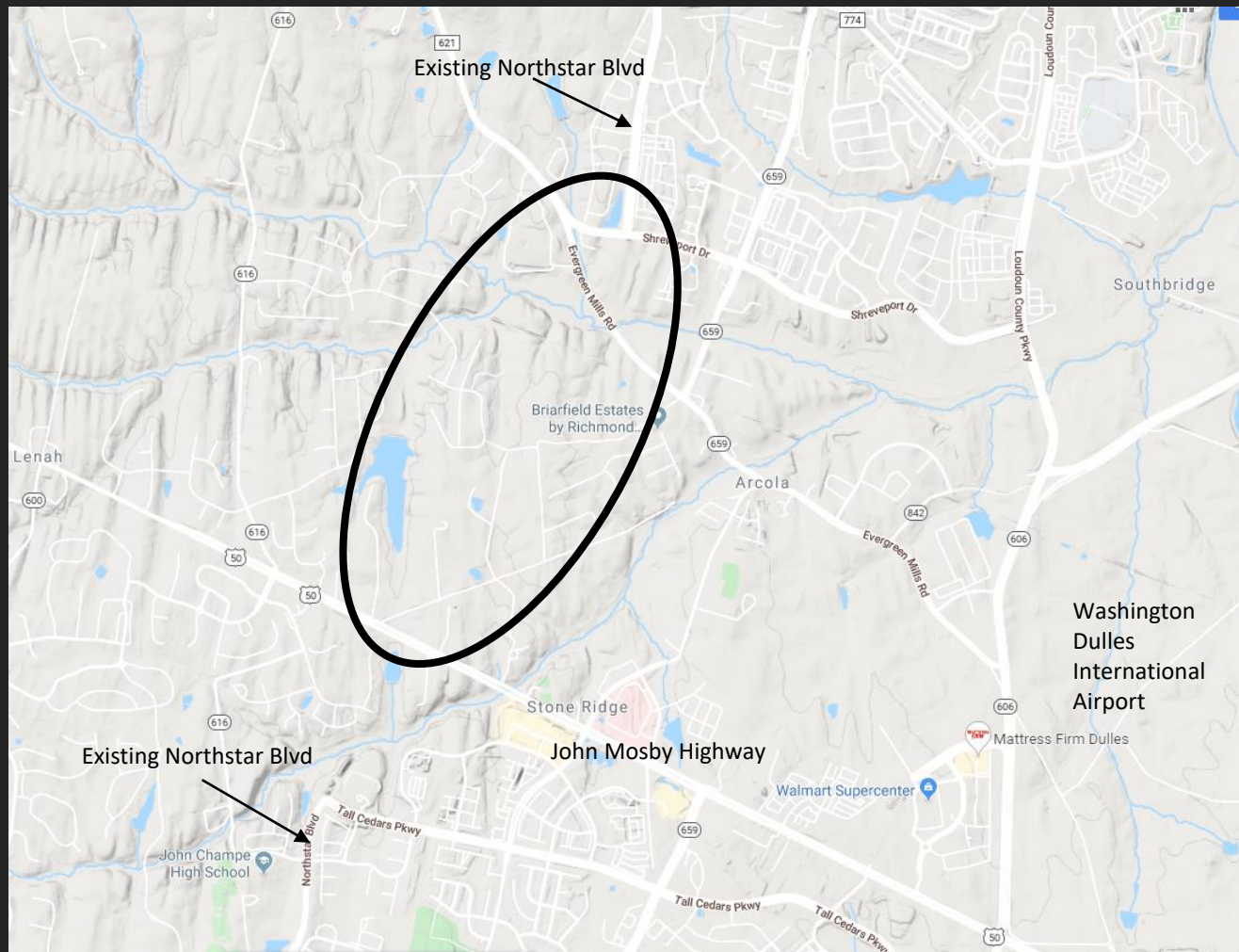
WHERE TRADITION MEETS INNOVATION

# Northstar Boulevard Extension US Route 50 to Shreveport Drive Location Approval

James C. Zeller PE, Loudoun County

February 19, 2020

# Project Location



# Purpose and Need

To Improve local roadway access connections through the surrounding area. The needs for this project include:

- Improve emergency and state maintenance vehicle access and response time.
- Provide additional travel options and reduce local congestion.
- Improve community access to local schools.

# Background and Financing

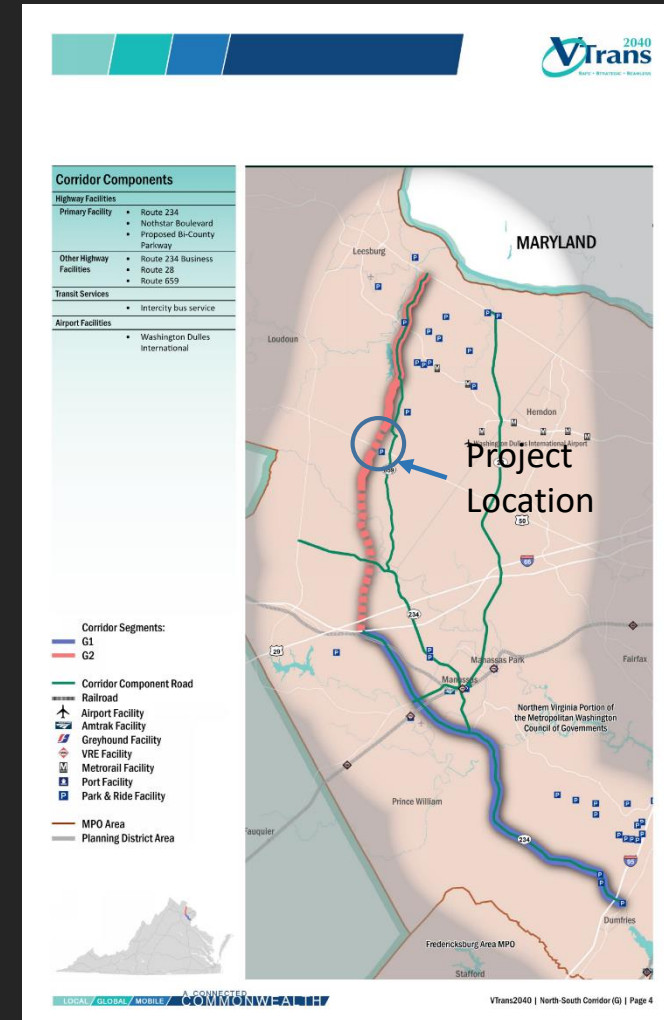
- Minor Arterial per Loudoun County's 2019 Countywide Transportation Plan
- Located in the most rapidly growing area of the county
- Project Financing: \$89,997,000 aggregate allocations
  - \$19,200,000 Revenue Share (combined state and local)
  - \$25,000,000 FFY18 TIGER
  - \$11,449,000 Unmatched Local
  - \$34,348,000 NVTA

# Compliance With VTRANS Mid-Term Needs

- Congestion Mitigation
- Transit and Non-motorized Accessibility Improvement
- Located within UDA
- Safety Segment Improvement
- Transportation Demand Management Improvement

# Compliance With VTRANS Long-Term Needs

- Part of the North-South Corridor of Statewide Significance G2



# Relationship With Other Adopted Long Range Plans

- VISUALIZE 2045 – Needed missing link as adopted by the Washington Metropolitan Transportation Planning Board (TPB)
- TRANSACTION – Listed project as adopted by the Northern Virginia Transportation Authority (NVTA)

# Project Development History

- Project scoping initiated in 2016 as a Revenue Share Project
- January 2018 – Preliminary engineering initiated as a federal aid project
- March 2018 – Loudoun County awarded \$25M TIGER Grant
- July 2019 – Location & Design Public Information Meeting
- November 2019 – Design-Build RFQ released.



# Range of Alternatives

- Due to site constraints, alternatives are limited to “Build” and “No Build”.
- Multiple alignments considered, one viable:
  - Limited crossing points of a regional utility corridor
  - Avoidance of VDOT’s Arcola Area Headquarters
  - Fixed intersection locations at Rte 50 and at Shreveport Drive
  - Crossing of North Fork Broad Run

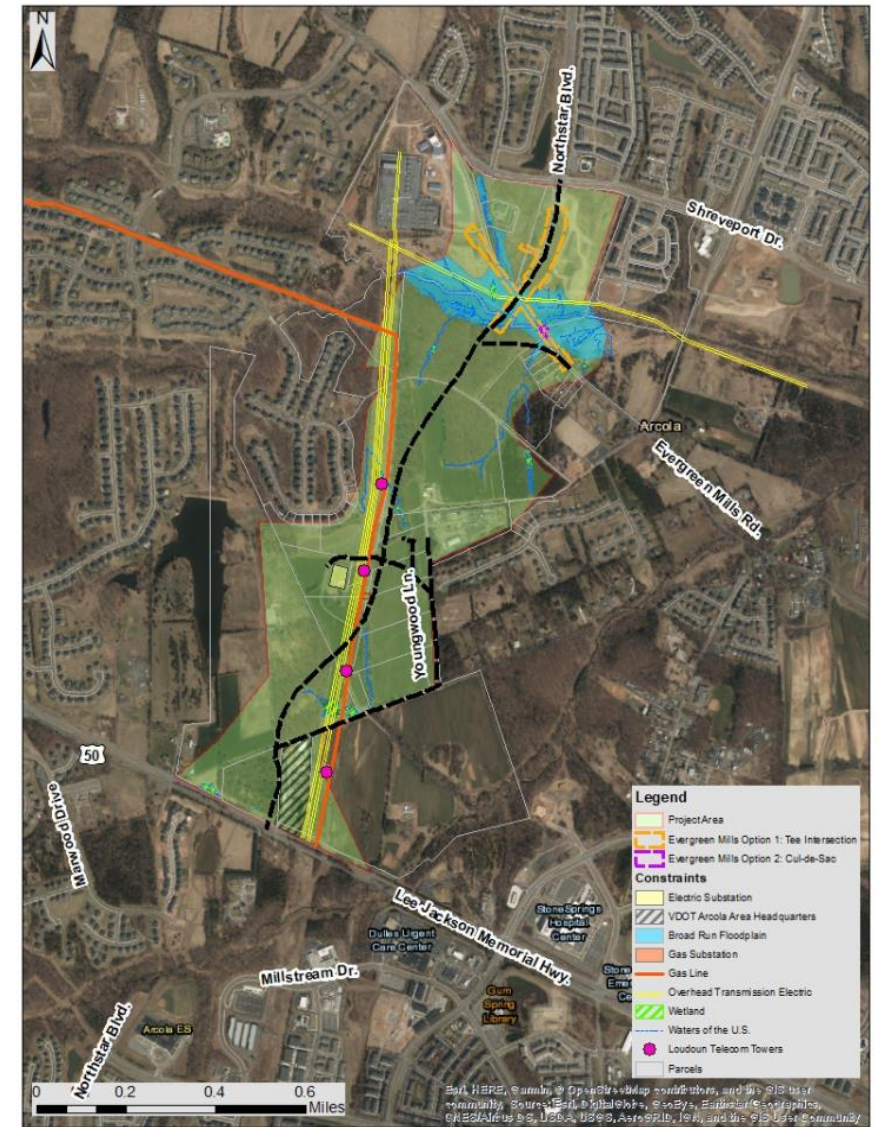


Figure 3.2.2 – Constraints Map for Northstar Boulevard Extension Alignments



# Northstar Boulevard Extension

## Northstar Boulevard Extension Project Design



# Next Steps and Crucial Deadlines

- March 2020
  - CTB action on Location of the proposed roadway
  - Completion of NEPA
  - Design – Build Request for Proposals
- September 30, 2020 – Obligation deadline of TIGER grant
- December 2020 – Notice to Proceed
- September 1, 2022 – Construction start deadline
- May 2024 – Substantial Completion
- May 2025 – Period of Performance End Date