Northstar Boulevard Extension
US Route 50 to Shreveport Drive
Location Approval

James C. Zeller PE, Loudoun County
February 19, 2020
Project Location

Existing Northstar Blvd

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John Mosby Highway

Washington Dulles International Airport
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
  o $19,200,000 Revenue Share (combined state and local)
  o $25,000,000 FFY18 TIGER
  o $11,449,000 Unmatched Local
  o $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 – Constraints Map for Northstar Boulevard Extension Alignments
Northstar Boulevard Extension Project Design
Next Steps and Crucial Deadlines

• March 2020
  o CTB action on Location of the proposed roadway
  o Completion of NEPA
  o 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