



Loudoun County



VIRGINIA

WHERE TRADITION MEETS INNOVATION

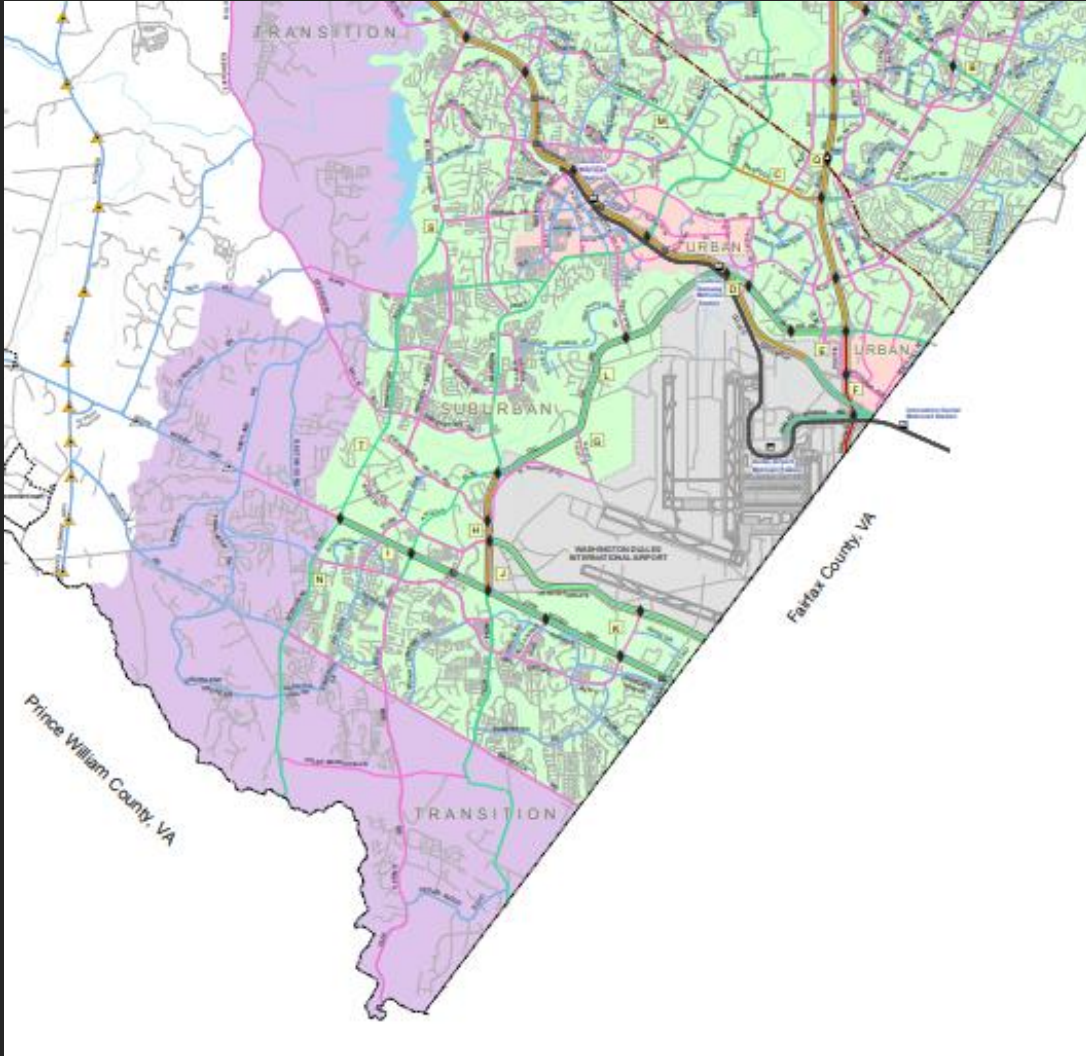
Transportation Projects Update

Supervisor Matt Letourneau
Dulles Direct Town Hall Meeting
September 26, 2019

Background

- Prior to 2013, Loudoun County had virtually no involvement in road construction.
- FY2014 budget first to dedicate \$.02 from the tax rate for road construction in our Capital Improvement Program.
- This local funding is leveraged to secure State and Federal transportation funding.
- For FY20, provides nearly \$17.4 million towards cash funded portion of the Capital Improvement Program.

Countywide Transportation Plan



- Updated as part of 2019 Comprehensive Plan Revision.
- Planning document for ultimate roadway classification through 2040.
- Provides data for securing reservations, rights of way, and proffers as part of development applications.
- Guide for inclusion in the Capital Improvement Program.

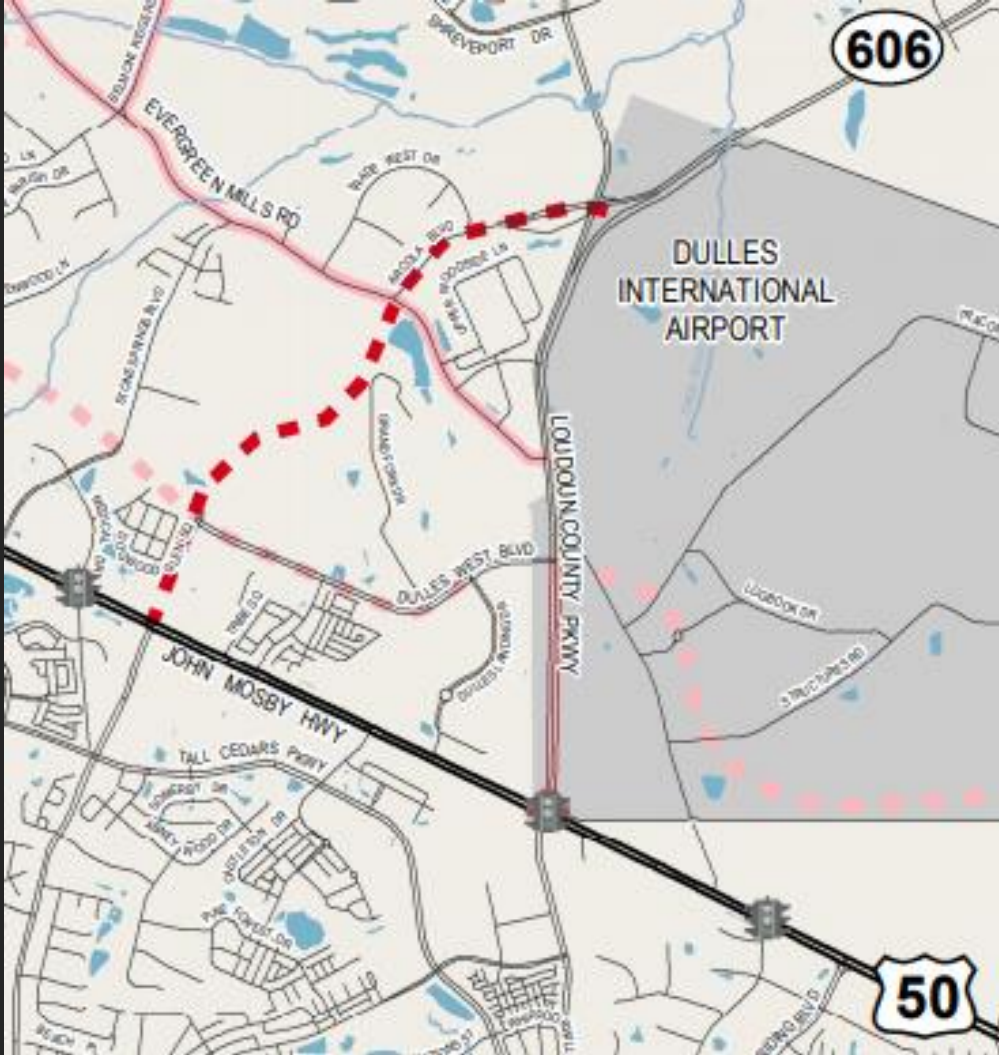
Capital Improvement Program

- Six-year forecast of land, facility, and equipment needs, with a financing plan to implement each project.
- Includes 10% “pay-as-you-go” local tax funding.
- Annual debt issuance limits to ensure best possible bond ratings.
- FY2019-2024 total: \$2.4 billion.
- Transportation largest single category at 49%.
- Schools account for 21%.

Dulles District Area Road Projects

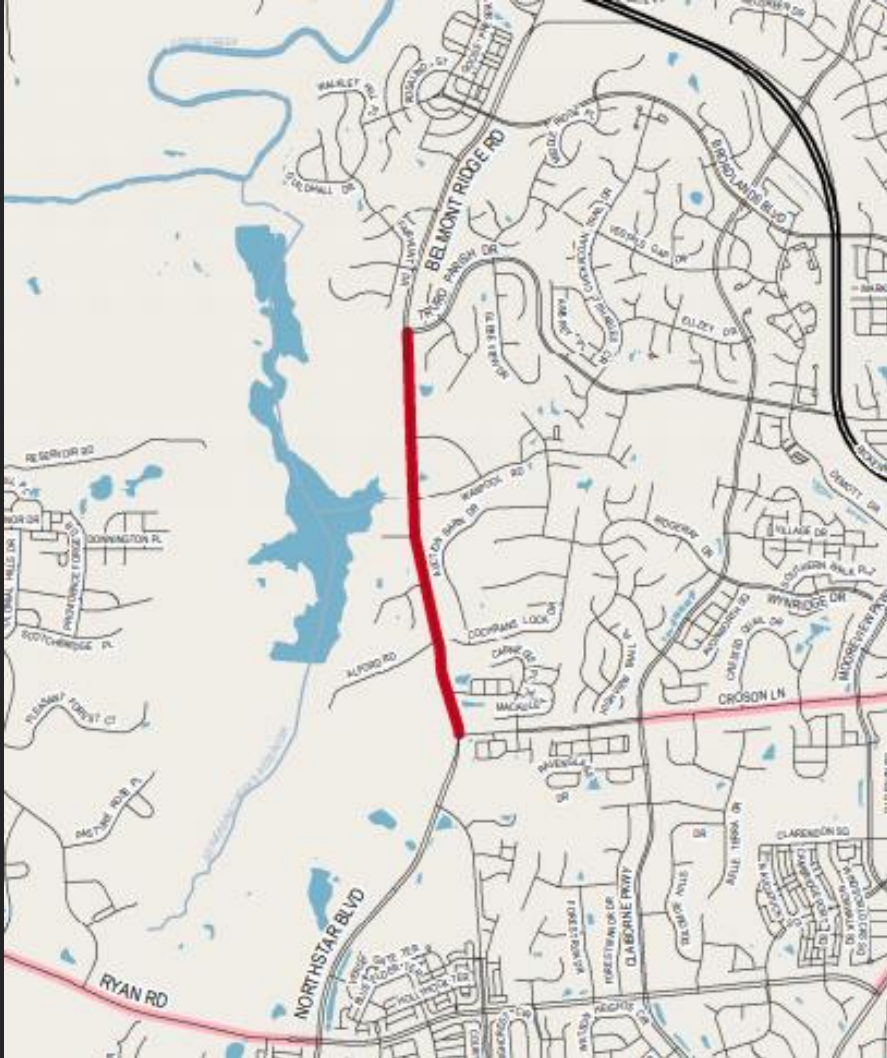


Arcola Boulevard



- Construct new four lane roadway from Route 50 to Loudoun County Parkway/606 intersection.
- Total Cost: \$65.3 million
- Funding: Design funded in FY18 and FY19, Land acquisition funded in FY20 and FY21, Construction funding in FY22 and FY23.
- Status: County funding is backstop, Arcola Center is proffered to construct. They have begun site work, expected to complete from Route 50 to Evergreen Mills by mid-2021. County working to expedite ahead of proffer triggers from Evergreen Mills to 606 through proffer furtherance.

Belmont Ridge Road- Truro Parish to Croson



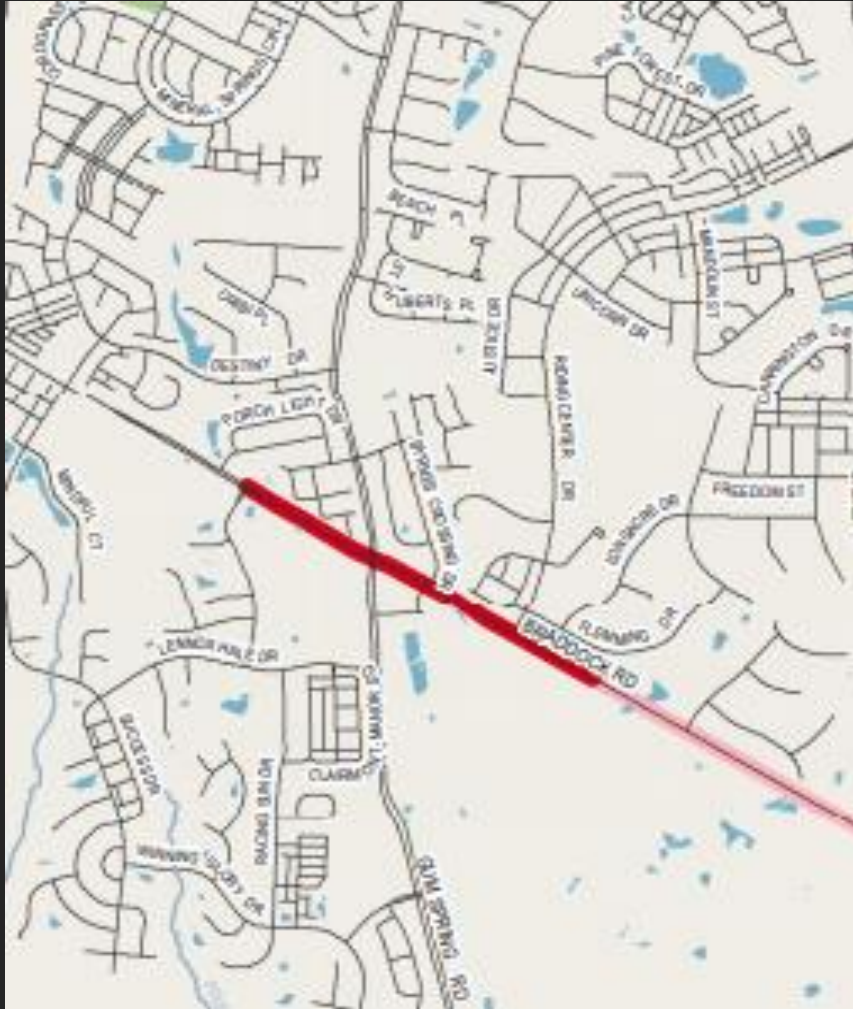
- Widening to four lanes.
- Total Cost:\$42.7 million
- Funding: Fully funded as of FY2019.
- Status: Design completed, currently working to acquire needed right of way. Utility relocations are in progress for gas, electricity, and communications facilities until summer 2020. Construction expected to begin in 2021.

Braddock Road- Supreme/Summerall Int.

- Widen to four lanes between Kilkeen Way and Royal Hunter Drive, traffic signal and turn lanes at intersection.
- Total Cost:\$4.4 million
- Funding: Fully funded.
- Current Status: Design nearing completion. Gas line relocation expected to begin late 2019, right of way acquisition to begin in 2020. Construction estimated to begin in 2021.



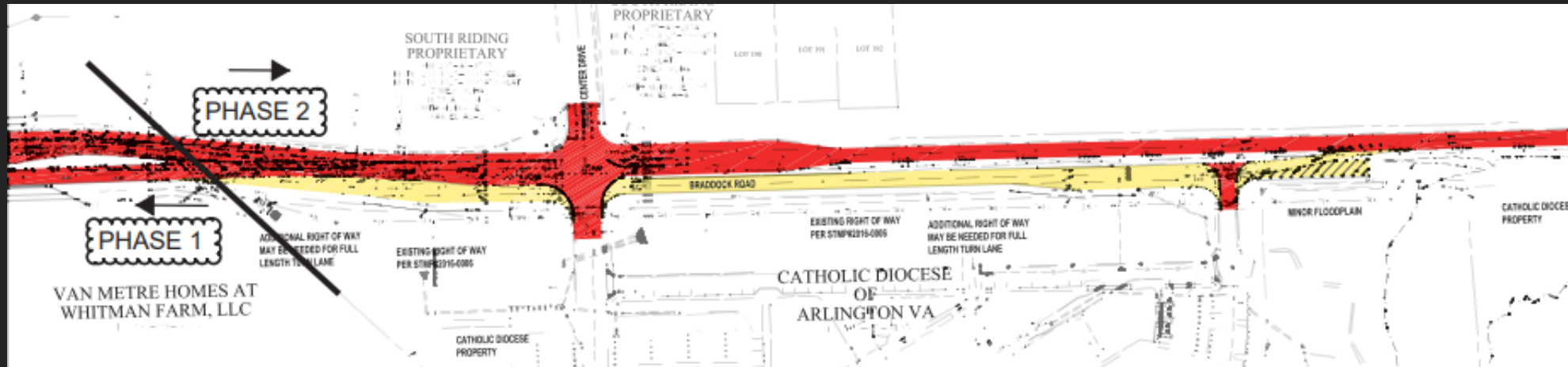
Braddock Road- Royal Hunter to Gum Spring



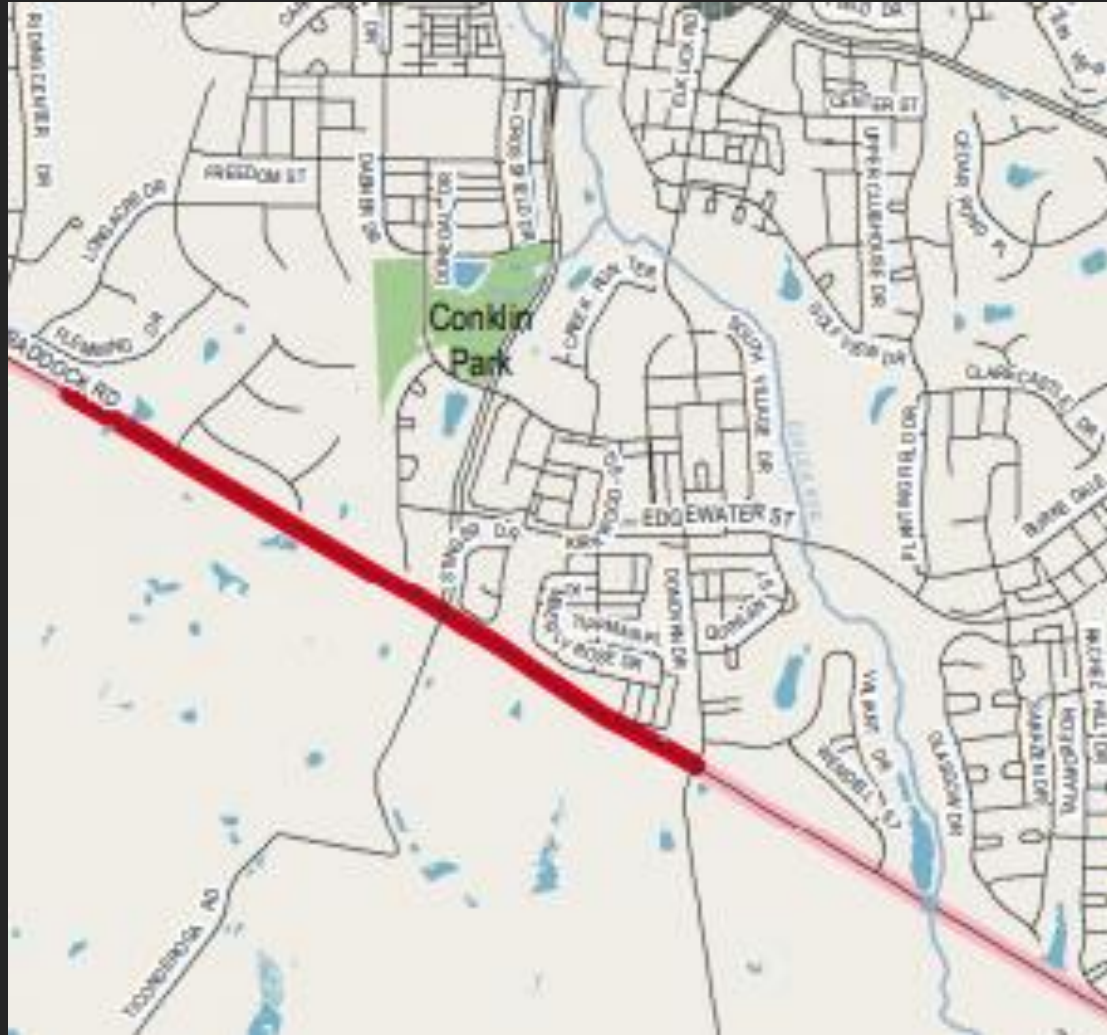
- Widening to four lanes.
- Total Cost:\$8 million
- Funding: Design funded in FY21, construction in FY22.
- Status: Awaiting availability of funding, potential for nearby proposed development to provide proffer for construction.

Braddock Road- Gum Spring to Paul VI

- Widening to four lanes.
- Total Cost:\$4 million
- Funding: Board approved funding agreement July 2019.
- Status: Van Metre to construct widening in furtherance of proffer to improve Braddock and Gum Spring intersection. Design work underway, expected completion August 2020.

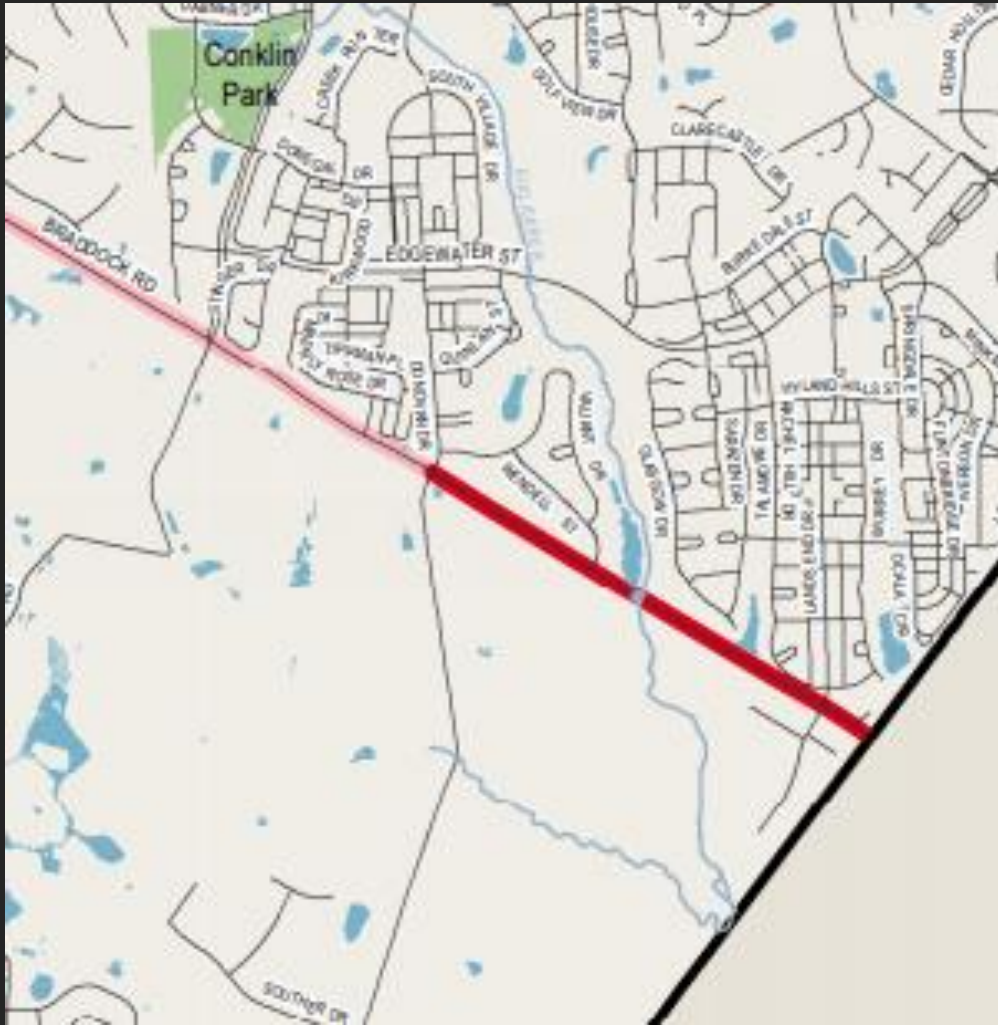


Braddock Road- Paul VI to Bull Run Post Office



- Widening to four lanes.
- Total Cost:\$60 million
- Funding: Not funded within the current six-year plan.

Braddock Road- Bull Run Post Office to FFX Line



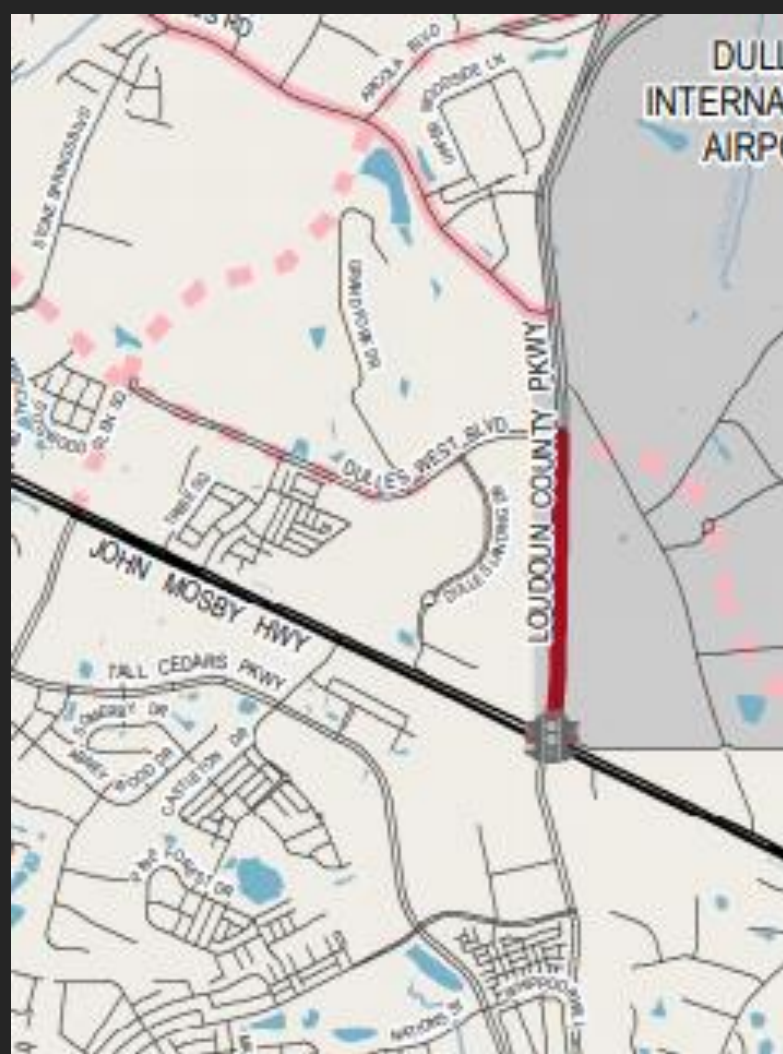
- Widening to four lanes.
- Total Cost: \$81.8 million
- Funding: Not funded within the current six-year plan.

Dulles West Boulevard



- Construct from Dulles Landing Drive to Northstar Boulevard.
- Total Cost: \$59.6 million
- Funding: Design and land acquisition funded as of FY19. Construction funding in FY19, FY20 and FY23.
- Status: County funding a backstop, Arcola Center proffered to construct from Dulles Landing to Arcola Boulevard. Expected completion by mid-2021. West of Arcola Boulevard still in pre-design stage.

Loudoun County Parkway/Route 50



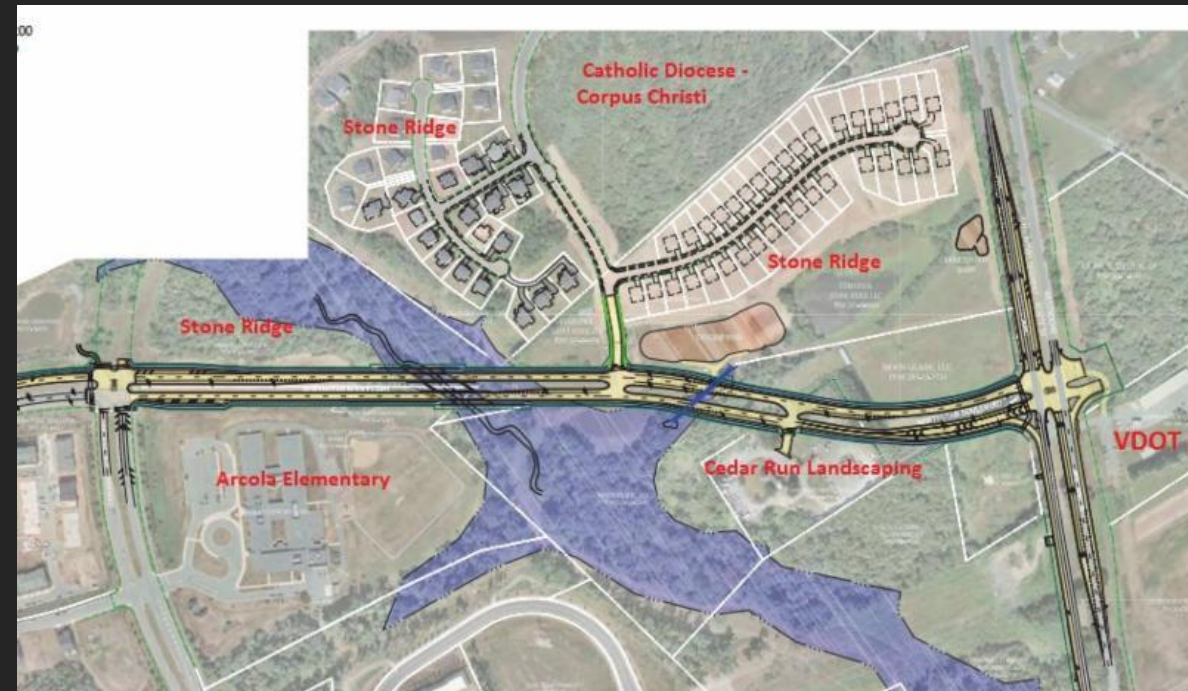
- Construct additional southbound lane on Loudoun County Parkway, free flow right turn lane onto westbound Route 50, and third turn lane from Route 50 to northbound Loudoun County Parkway.
- Total Cost: \$7.8 million
- Funding: Design, land acquisition, and construction funded as of FY20.
- Status: Initial survey work completed. Design work and traffic analysis underway. There are significant utility conflicts and the County is working with VDOT to determine best way to incorporate additional lanes. Depending on right of way needs, construction likely to begin in late 2022.

Loudoun County Parkway- Ryan Road to Shellhorn



- Widen to six lanes.
- Total Cost: \$23 million.
- Funding: Design funding in FY24, land acquisition and construction not funded within the six-year plan.
- Status: County funding a backstop, Silver District West proffered improvement within 24 months of site plan approval. Still early in that process, but road design plans are underway.

Northstar Boulevard- 50 to Tall Cedars



- Construct new four lane roadway.
- Total Cost: \$56.6 million.
- Funding: Design and land acquisition funded, balance of construction funding as of FY20.
- Status: Design complete. Currently acquiring needed right of way. Construction estimated to begin in late 2021.

Northstar Boulevard- 50 to Shreveport

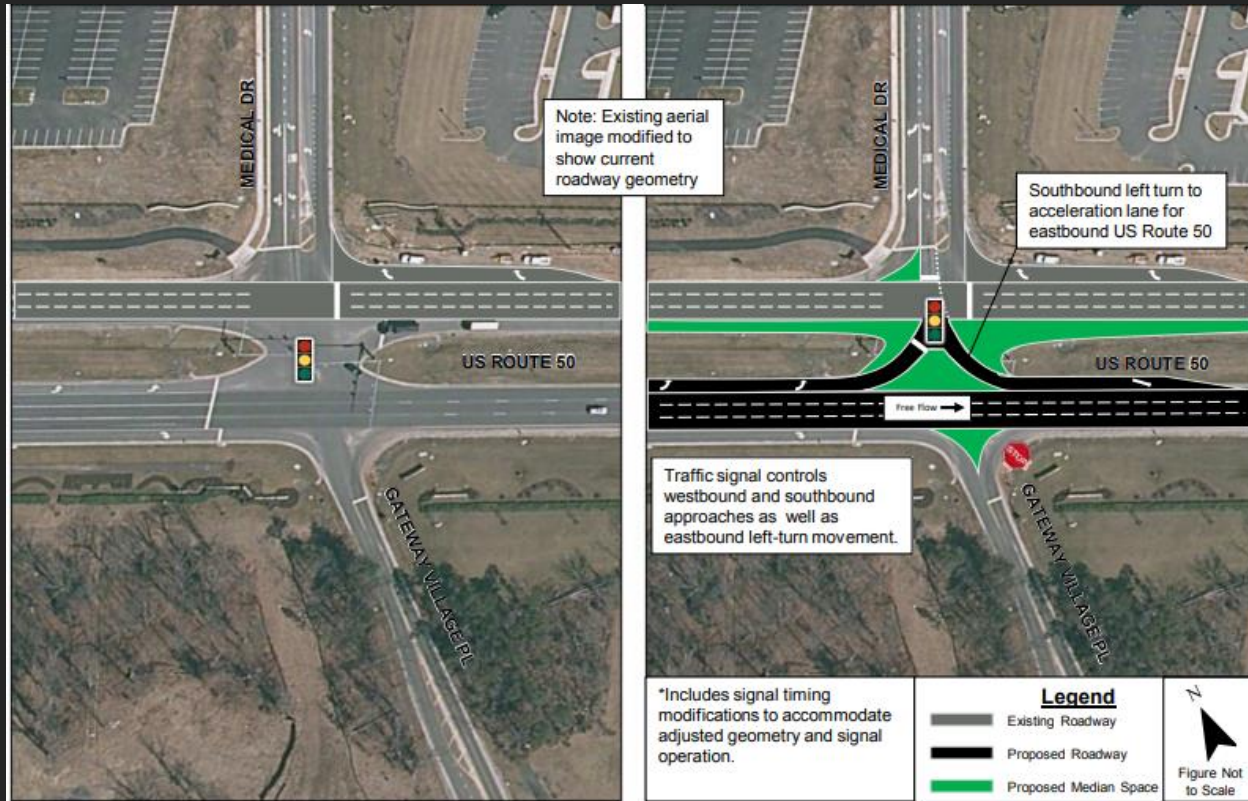
- Construct new four lane roadway.
- Total Cost: \$79.3 million.
- Funding: Design and land acquisition funded, balance of construction funding as of FY20. County received \$25 million federal TIGER Grant.
- Status: Board endorsed conceptual alignment September 2019. Construction estimated to begin in late 2020/early 2021.



Route 50 Intersection Improvements

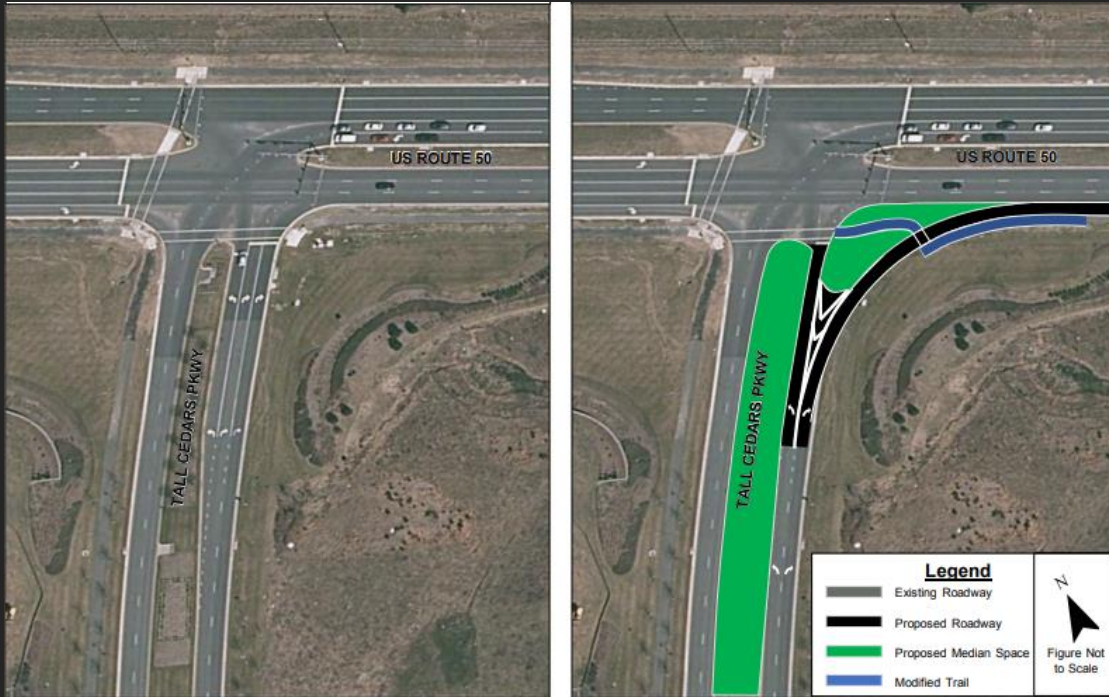
- Construct improvements at several intersections along the Route 50 corridor in Loudoun County.
- Total Cost: \$9.2 million
- Funding: Design and land acquisition funded as of FY20. Construction funding in FY20 and FY24.
- Status: Corridor study completed in December 2017. County working with VDOT to take on administration of the project. Implementation plan in development. Given time needed for design, right of way acquisition, and utility relocation, construction is expected to begin in 2023.

Route 50/Gateway Village/Medical Drive



- Conversion of median to restrict movements.
- Signal reduced to limited phases.

Route 50/Tall Cedars



- Conversion of existing right turn lane to free-flow right turn onto eastbound Route 50.
- Includes introduction of an acceleration lane.

Route 50/Pleasant Valley (Loudoun)



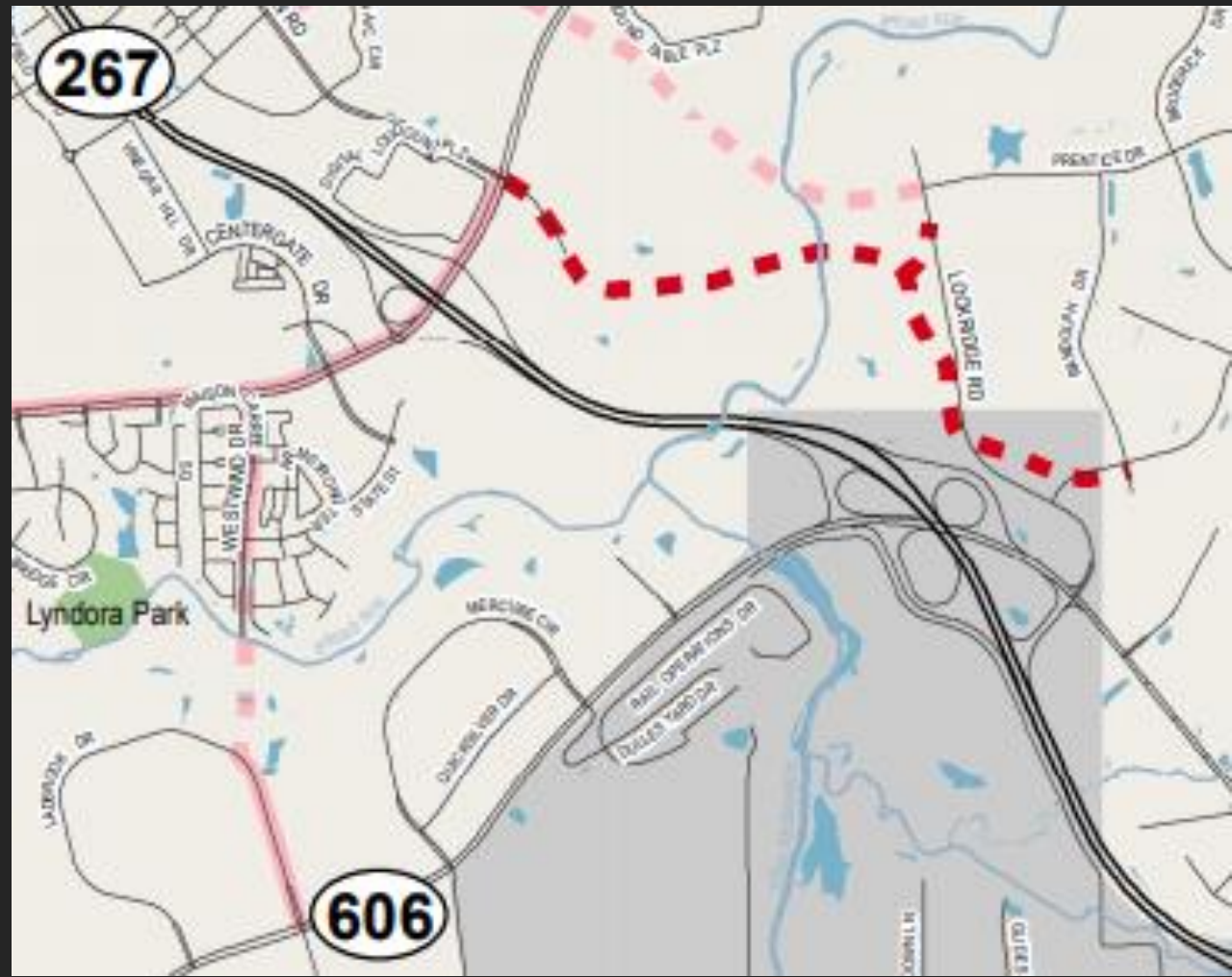
- Convert second left turn from westbound Route 50 onto southbound Pleasant Valley Road into a fourth through lane.
- Extend new through lane to the Tall Cedars intersection second left turn lane.

Route 50 Northern Collector Road

- New four lane roadway from Tall Cedars to Route 28 at Air and Space Parkway interchange.
- Total Cost: \$96.2 million
- Funding: Design funding in FY22 and land acquisition in FY24. Construction not currently funded within six-year plan.
- Status: Concept level planning underway. Met with MWAA leadership on alignment parameters. More discussions needed with Smithsonian and Fairfax County.

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Shellhorn Road

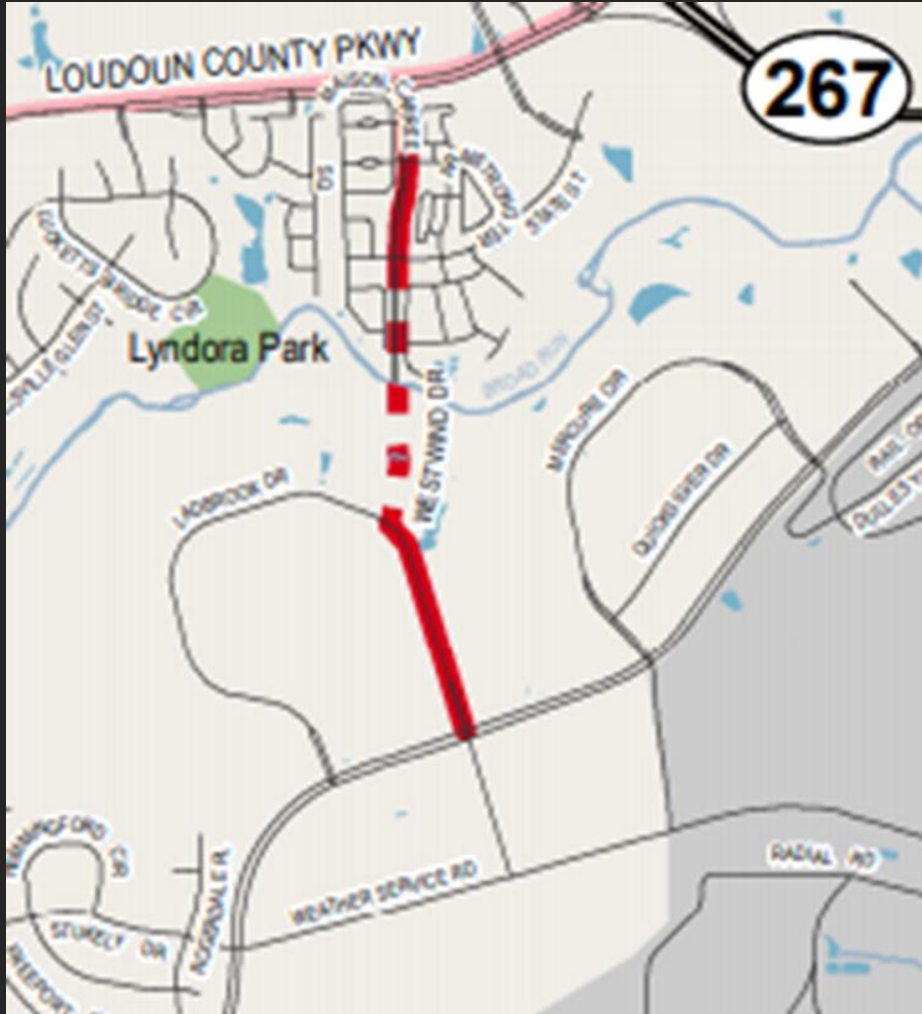


- New four lane roadway between Loudoun County Parkway and Randolph Drive.
- Total Cost: \$175 million
- Funding: Design and land acquisition funded. Construction funded in FY23 and FY24.
- Status: Right of way acquired by County, construction funding backstop to proffer from Silver District West. They are proffered to complete within 36 months of site plan approval.

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Westwind Drive



- Extension of existing four lane roadway to Route 606.
- Total Cost: \$52.1 million
- Funding: Design funded. Land acquisition funded in FY20 and FY21, construction funded in FY20, FY22, and FY23. State SMART SCALE funding of \$19.8.
- Status: Design process expected to begin in early 2020. Construction expected to start in 2025.

Traffic Signal Projects

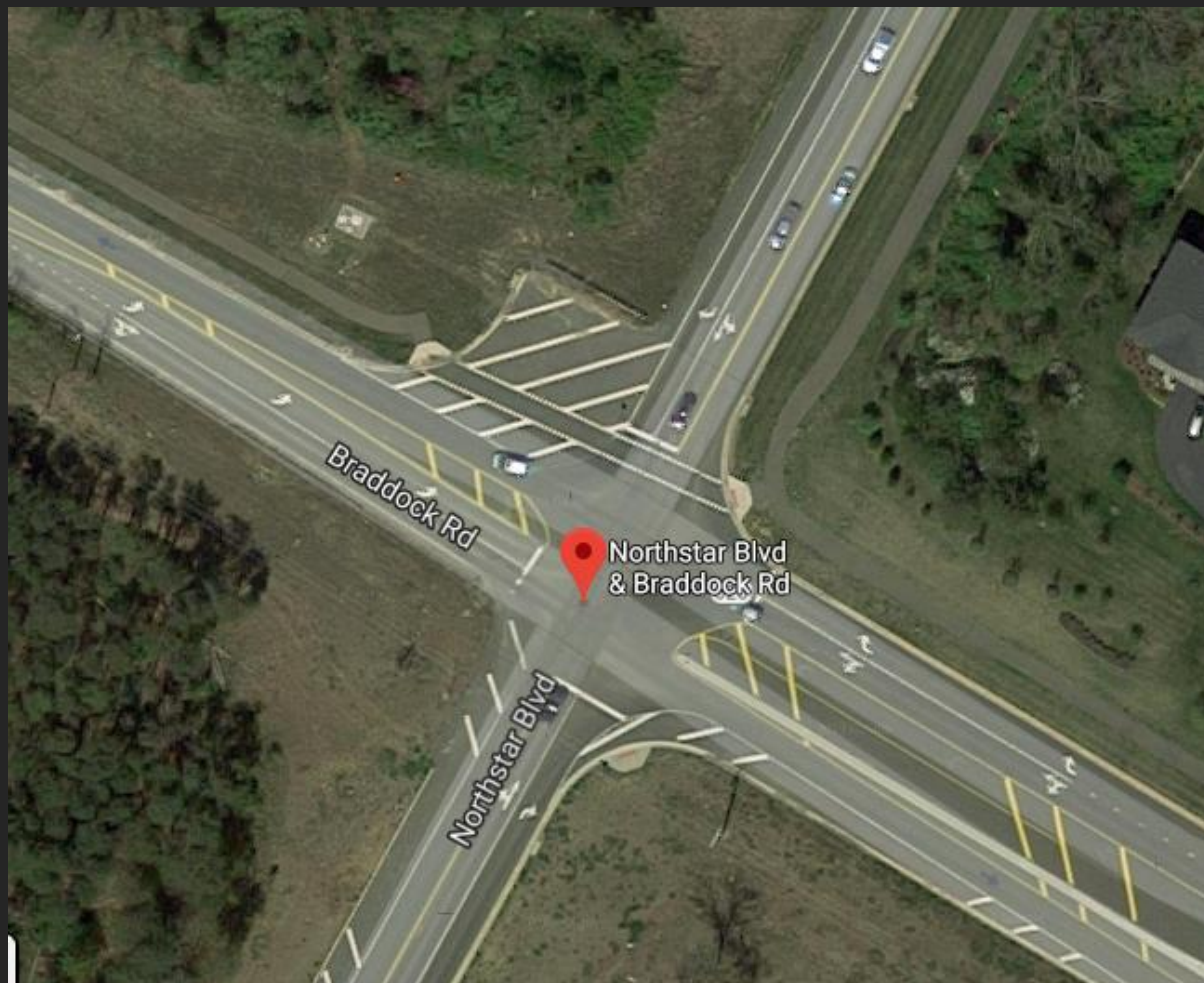


Tall Cedars/Riding Center Signal



- Status:
 - Proffered by Toll Brothers.
 - Poles and mast arms were delivered at the end of August and have been installed.
 - Restriping of the intersection is underway.
 - VDOT inspection process to begin when signal is ready to be activated.
 - Expecting completion within the next 3 weeks, pending outcome of inspections.

Northstar/Braddock Signal



- Status:
 - Proffered by LCPS due to area school development.
 - Design process underway.
 - Expected completion by end of summer 2020.

Tall Cedars/Stone Springs Signal



- Status:
 - Loudoun County project.
 - Signal design approved by VDOT in late July.
 - Pole foundation design work underway.
 - Working with VDOT on interim installation of flashing beacon lights by mid-October.
 - Expect signal construction to begin in 2020.

QUESTIONS?