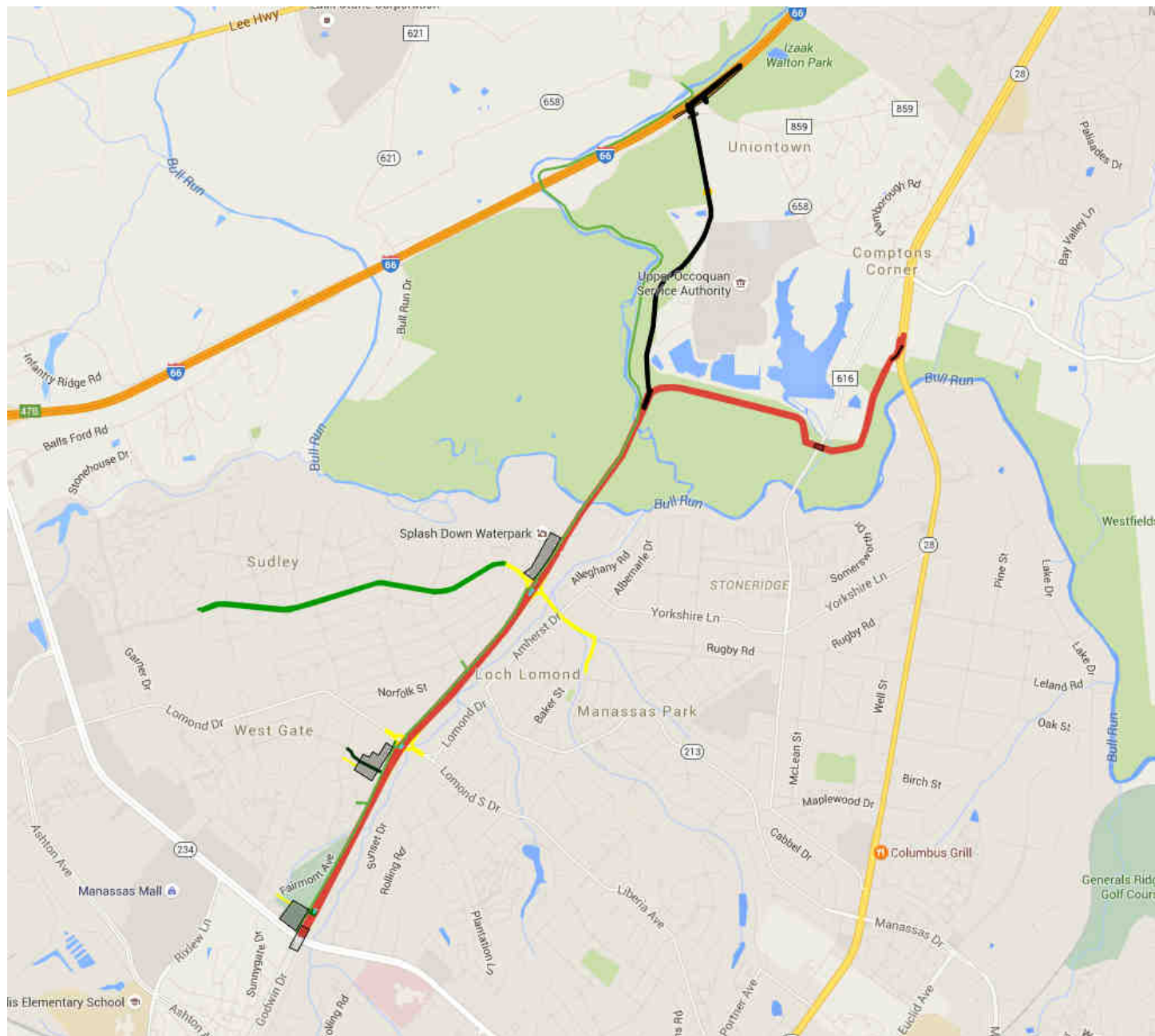


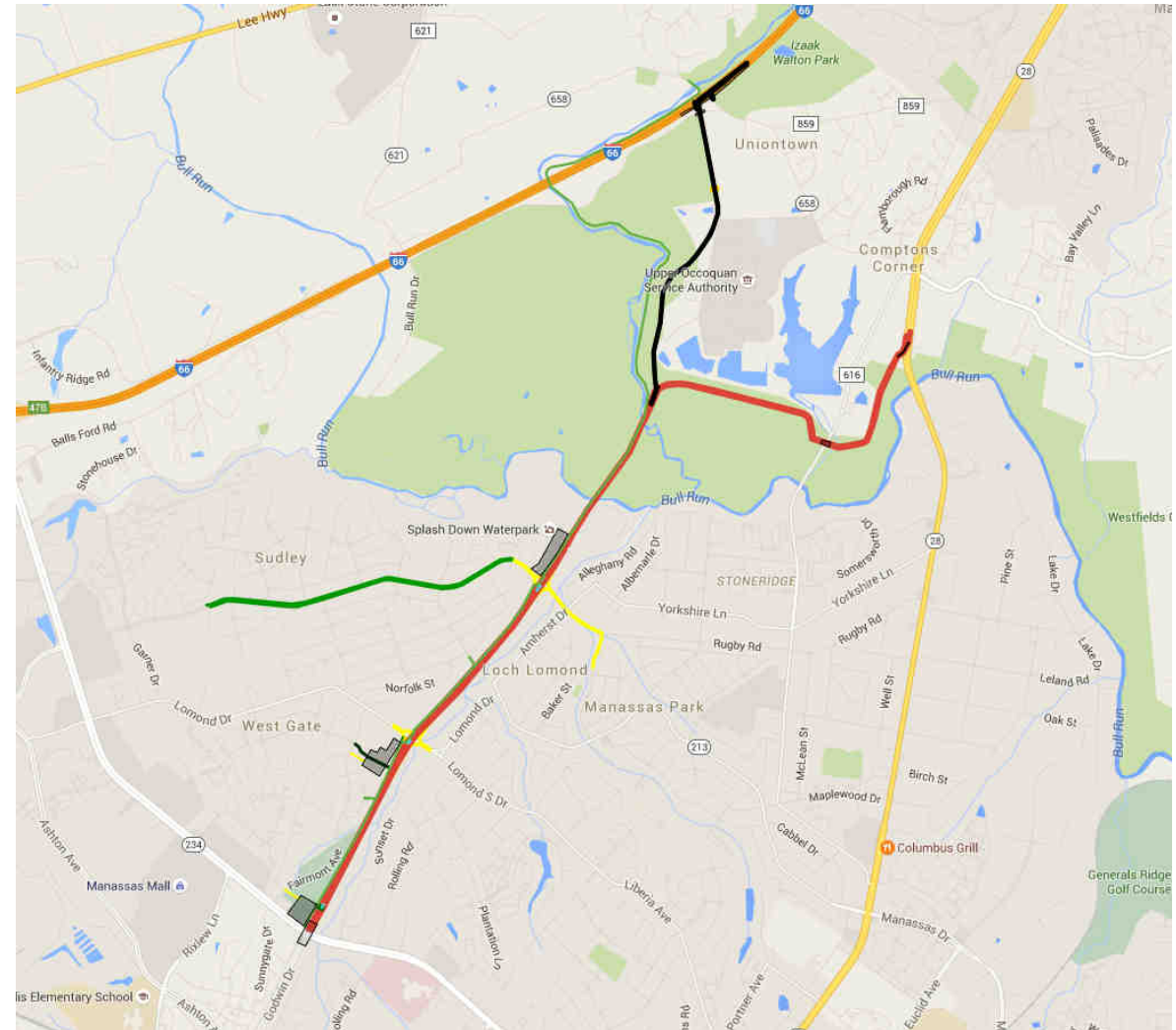
VA 28 Manassas Bypass – Godwin Dr. Extension



October 2015

Overview

- Purpose and Objectives
- Existing Roadway Infrastructure
- Proposed Transportation Alternative
- Roadway Layout
- Land Ownership
- Current ROW Conditions
- Bull Run Regional Park Mitigation
- Sudley Rd./Godwin Dr. Intersection
- Lomond/Sudley Manor Dr. Teardrop Interchanges
- VA28 Bypass Interchange with Route 28 near Compton Road
- VA28 Bypass Interchange with I-66 Express Lanes Access Road
- I-66 Express Lanes Interchange
- Tri-County Pkwy Location Study Decision
- Change to the Fairfax County Comp. Plan
- Mass Transit
- Proposed Bus Rapid Transit (BRT) Route
- Estimated Construction Costs
- Funding/Benefits of the project
- Next Steps, Conclusion & Contact



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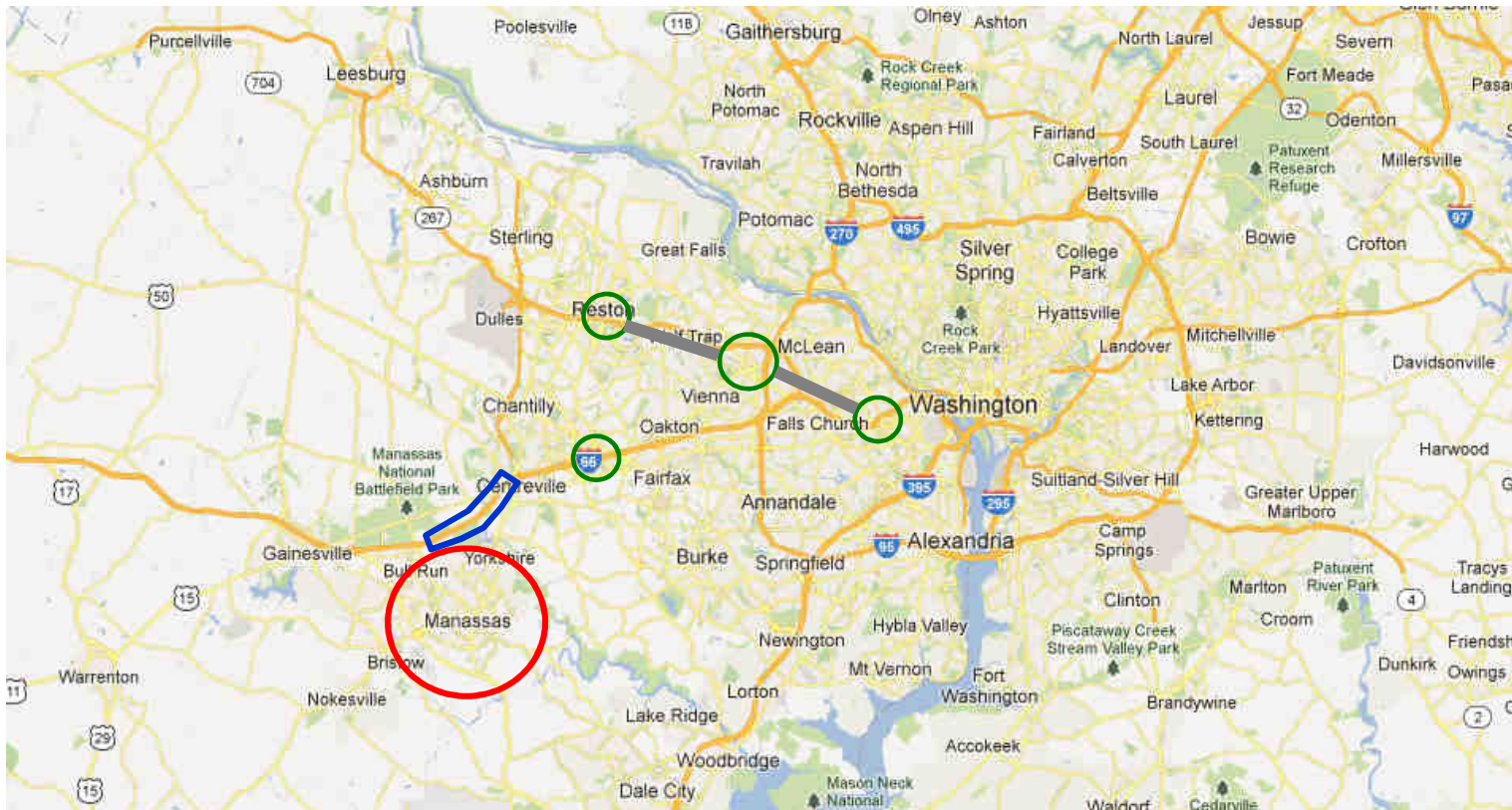
Purpose and Objectives

Purpose :

- Outline a cost effective multi-modal transportation alternative to connect Manassas, Virginia with I-66 and activity centers in Fairfax and Arlington Counties. This includes Tysons, Fairfax Corner, Ballston, and Reston.

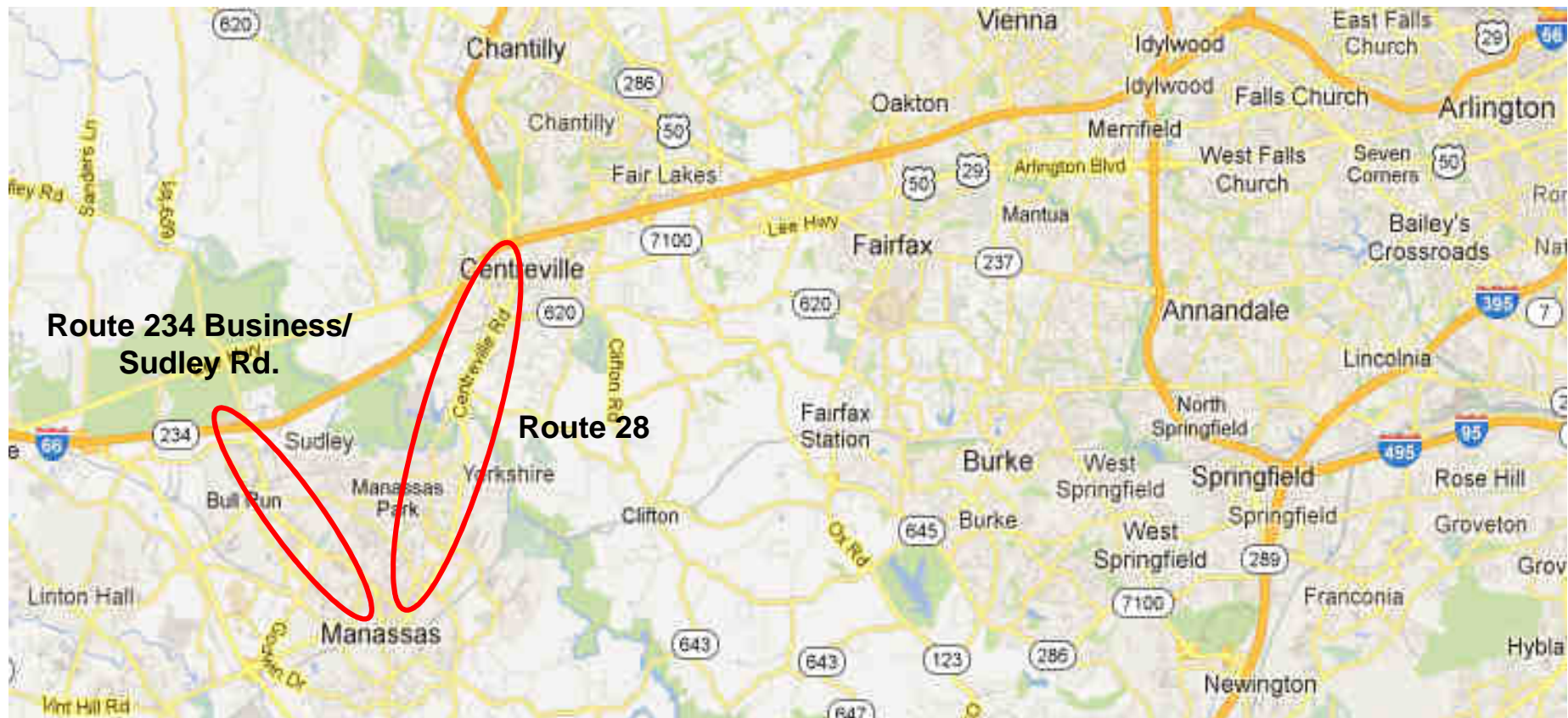
Objectives:

- Improve transportation mobility, capacity and access
- Reduce congestion
- Increase mass transit usage through the expansion of existing transit service
- Enhance the linkage of communities and the transportation system that serves those communities.
- Accommodate social demands, environmental goals and economic development needs.



Existing Roadway Infrastructure

- The main roadways between Manassas to I-66 are Route 234 Business/Sudley Rd. and Route 28 through Centreville. Route 234 Business has 17 traffic lights and Route 28 has 12 traffic lights between Old Town Manassas and I-66. This **inhibits reliable transportation options** to activity centers.
- Route 28 between Manassas and Centreville is controlled by four separate jurisdictions (City of Manassas, City of Manassas Park, Prince William County, and Fairfax Counties) with different priorities for the roadway.
- Route 28 is a mostly a four-lane primary road and Route 234 Business/Sudley Rd. is a mostly a six lane primary road. Parcels along both roadways in Prince William County are developed and expansion would require significant right-of-way (ROW) acquisition.

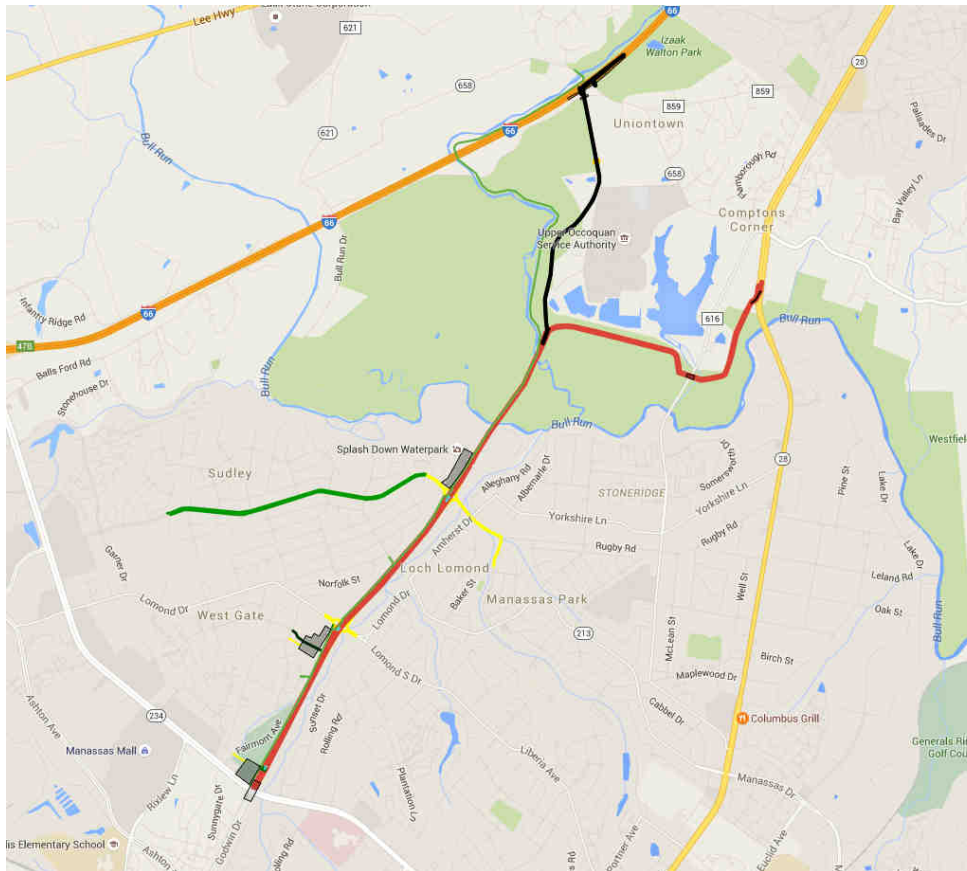


Proposed Transportation Alternative

A new **four-lane** limited access road between the Godwin Dr./Sudley Rd intersection (Manassas) and Route 28 in Fairfax County connecting south of the Route 28/Compton Rd. intersection.

A new **two-lane** access road to the I-66 Express Lanes between I-66 near the Bull Run Special Events Center and the new Route 28 Bypass/Godwin Dr Extension

A new **two-lane** transit/busway between the Godwin Dr./Sudley Rd intersection and the access road to the I-66 express lanes



Detailed Interactive
Map Link:

<http://g.co/maps/reaas>

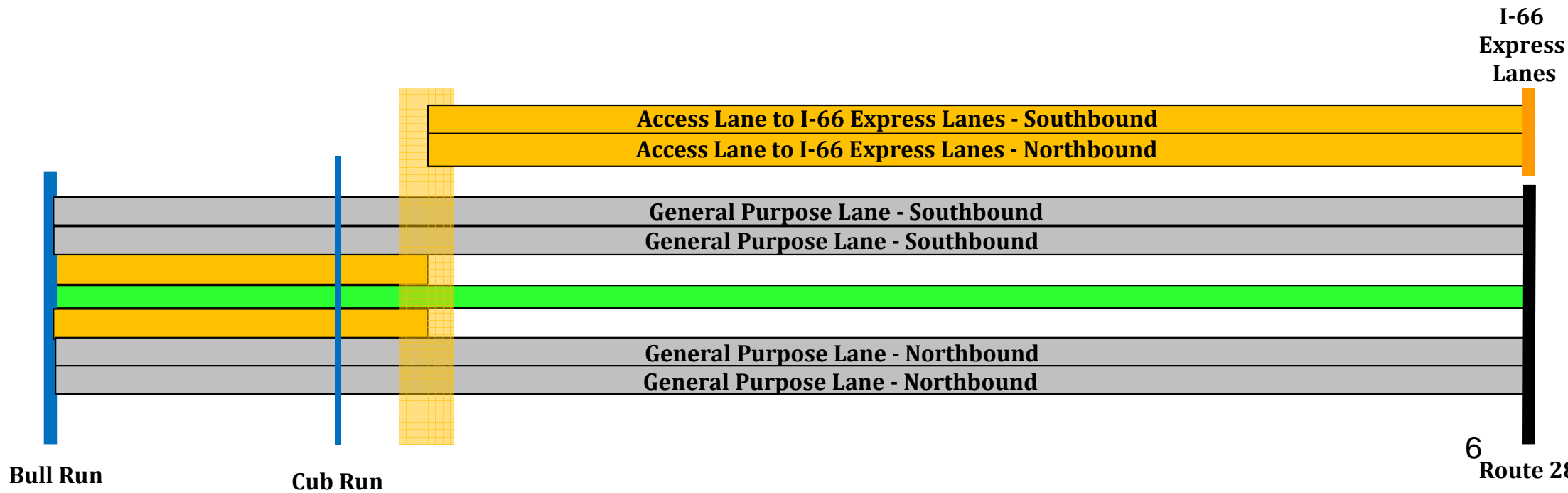
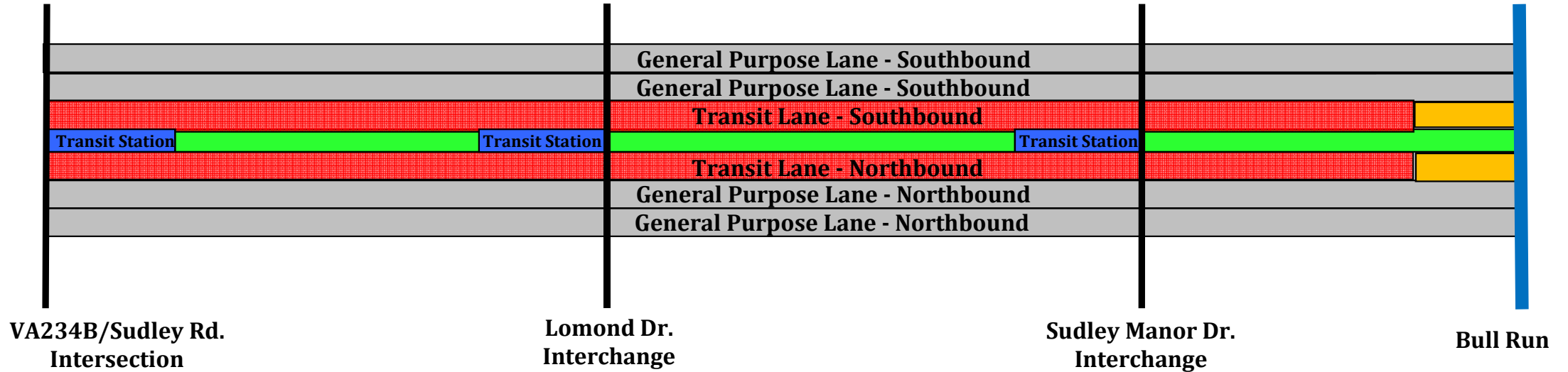


VA28 Bypass

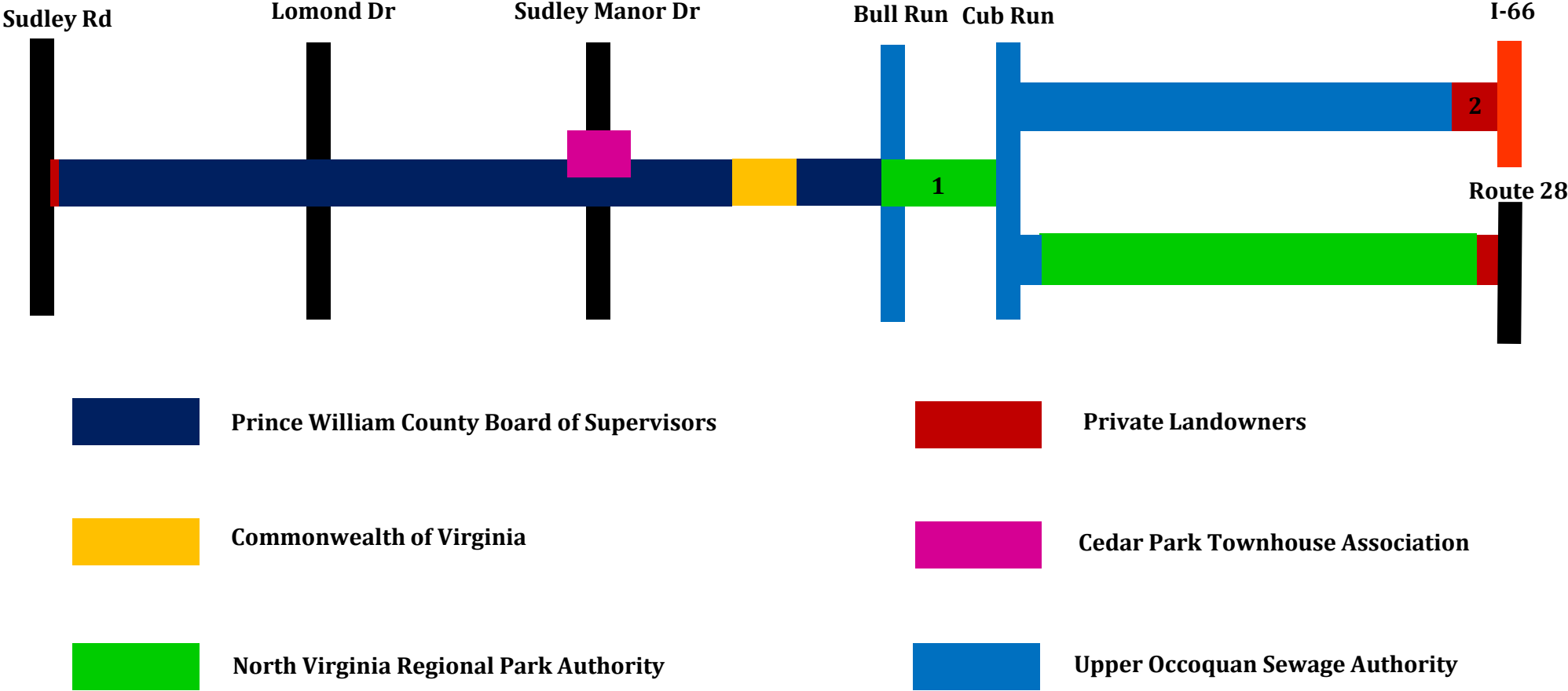


I-66 Express Lane Extension

Roadway Layout



Land Ownership



1 - Along Northern Virginia Electric Cooperative ROW
 2 - Next to Bull Run Special Events Center

Current ROW Conditions



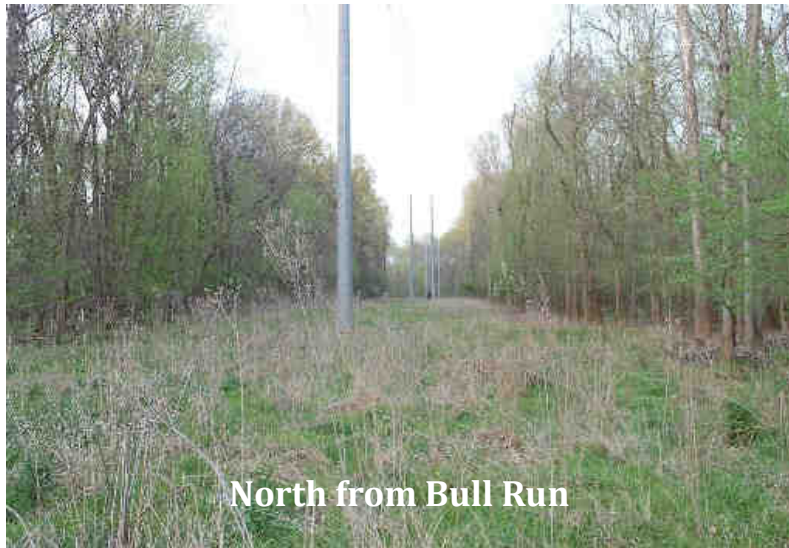
North from Lomond Dr.



South from Sudley Manor Dr.



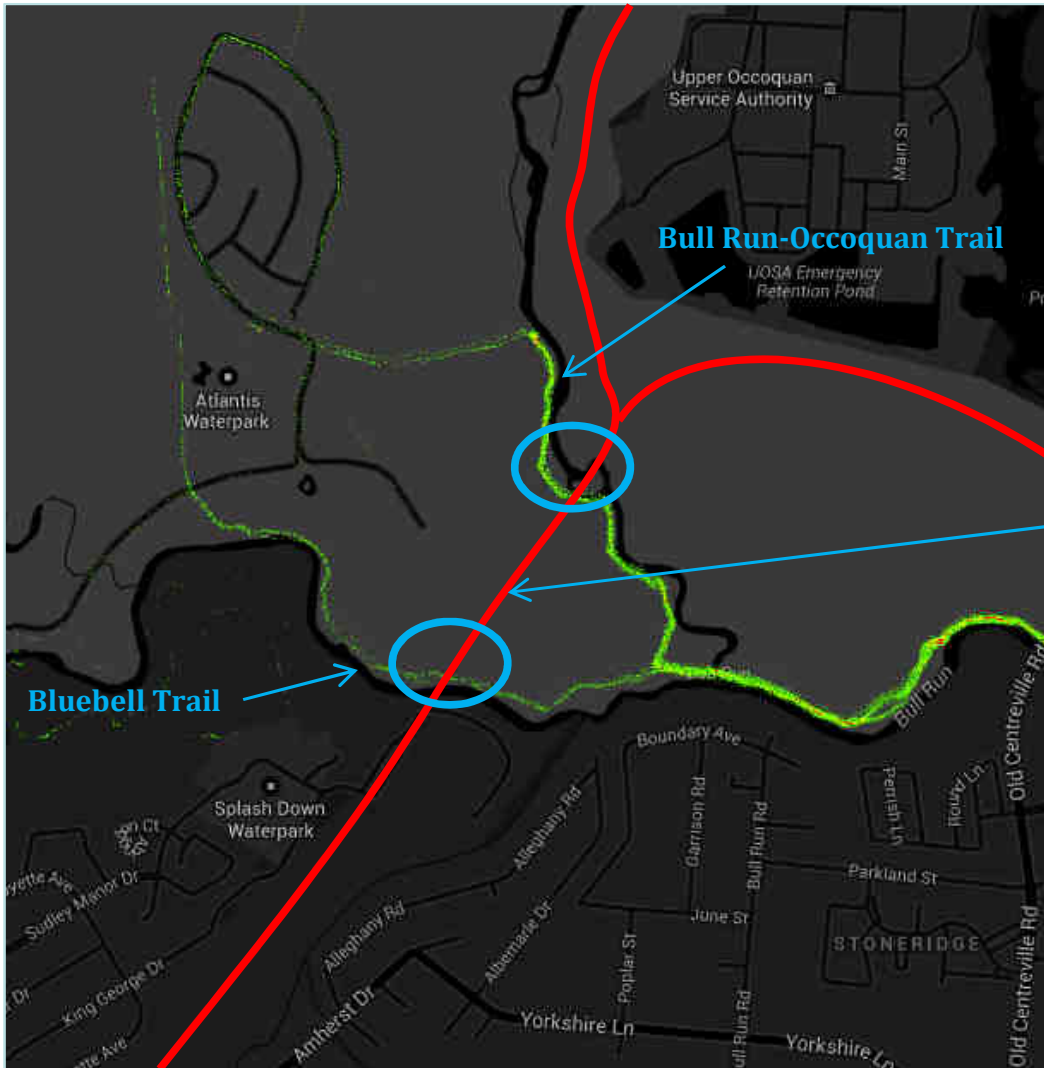
South from Lomond Dr.



North from Bull Run

Bull Run Regional Park Mitigation

Bridges over the Bull Run and Cub Run will accommodate Bluebell trail and Bull Run-Occoquan trail

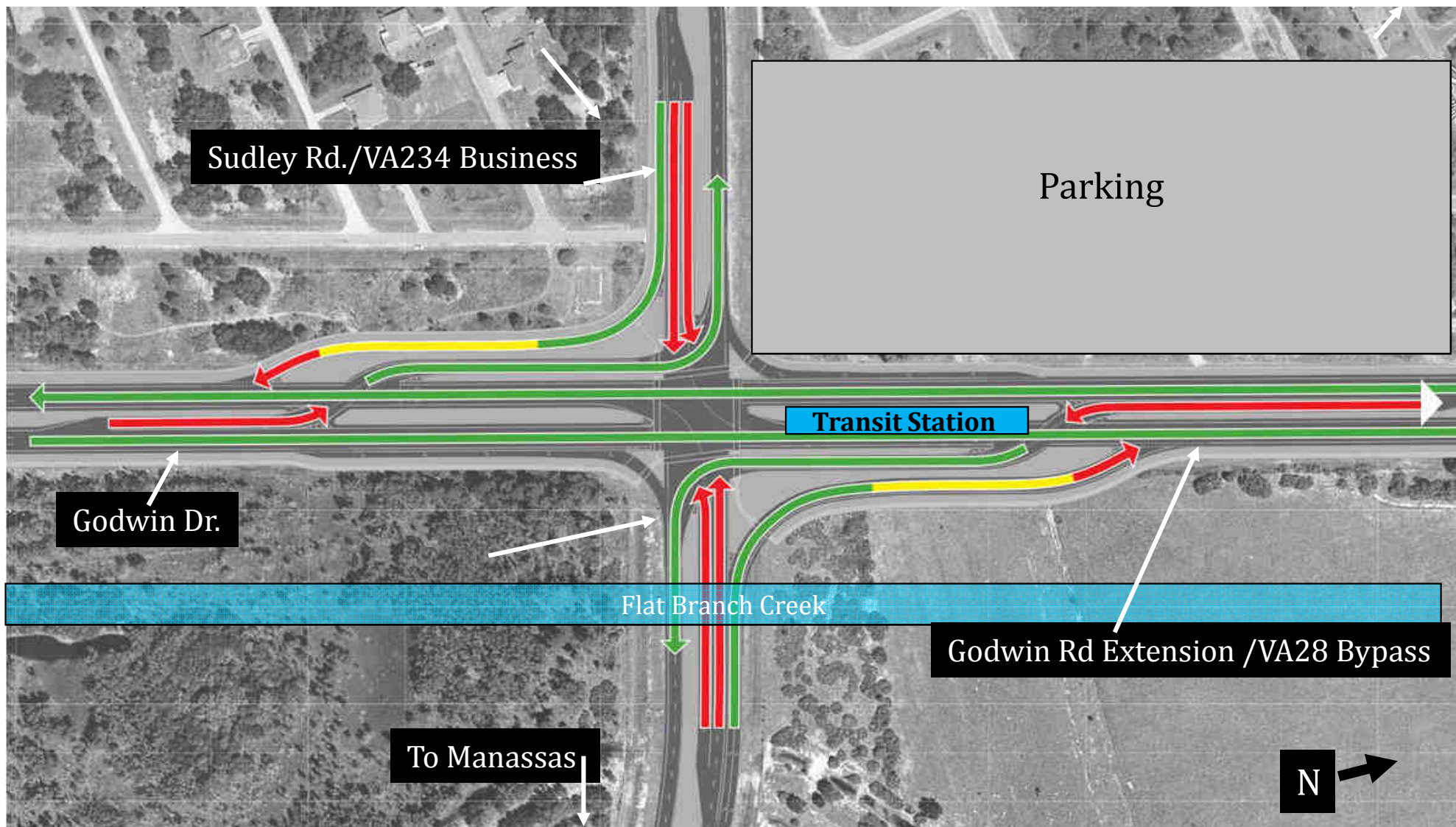


Access Road will follow Northern Virginia Electric Cooperative (NOVEC) ROW through Bull Run Regional Park



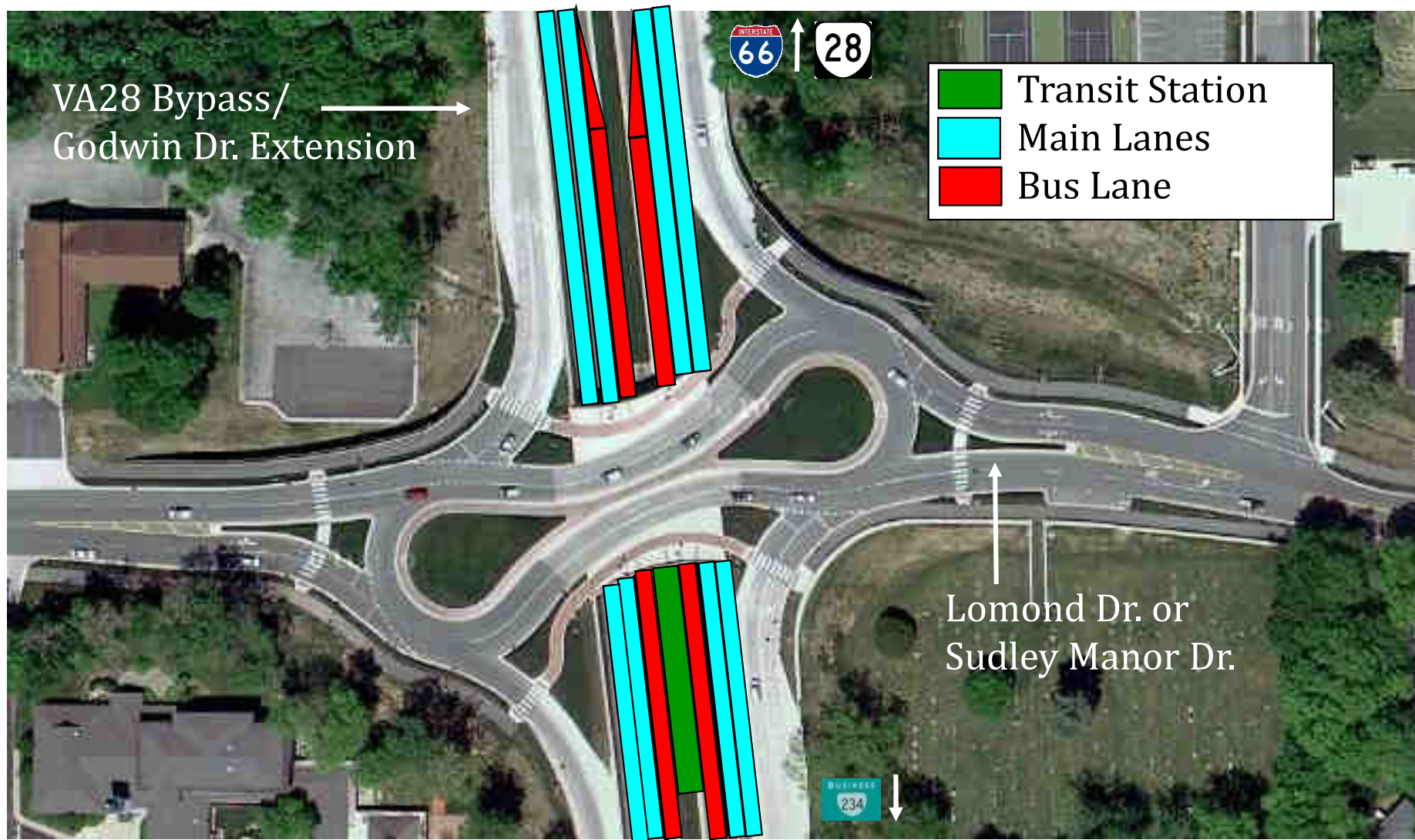
Sudley Rd./Godwin Dr. Intersection

- Example of potential intersection at Sudley Rd/234 Business and Godwin Rd/VA28 Bypass
- Two Approach Continuous Flow Intersection (Displaced Left Turn)



Lomond/Sudley Manor Dr. Teardrop Interchanges

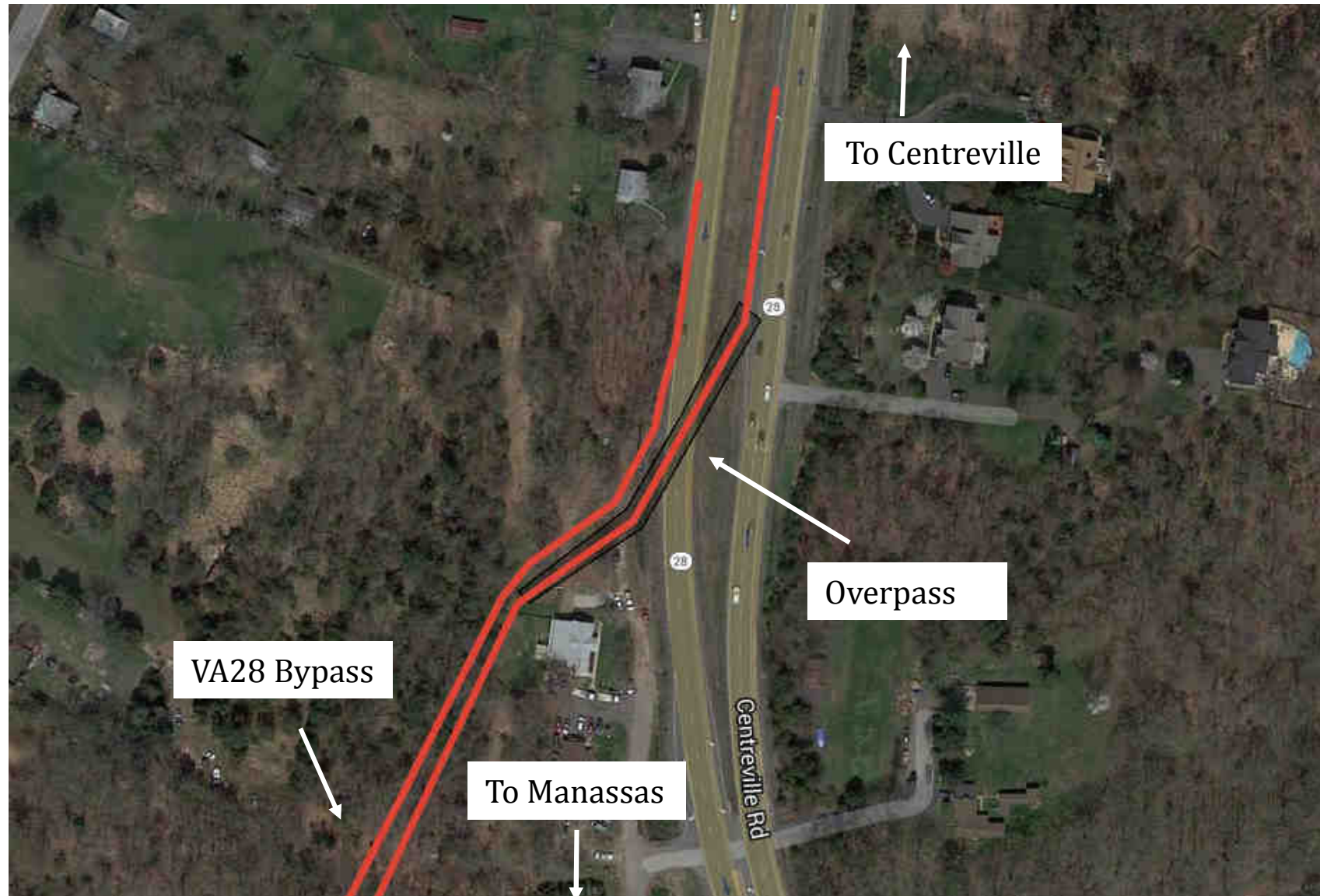
- Recommended Teardrop interchanges at Lomond Dr. or Sudley Manor Dr. Interchanges



From: Carmel, IN - Keystone Ave. (Google Maps)

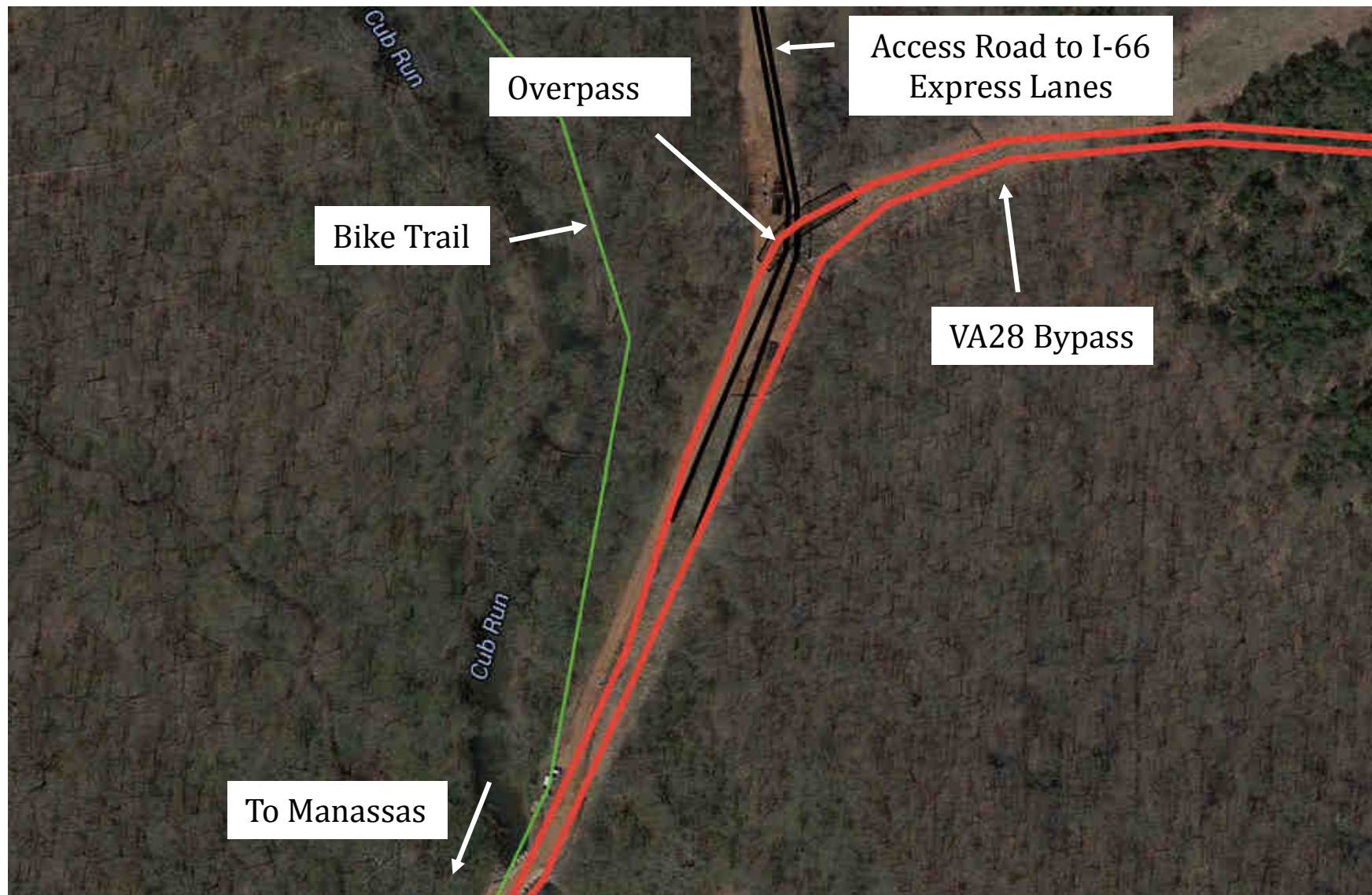
VA28 Bypass Interchange with Route 28 near Compton Road

Recommended VA28 Bypass Interchange with Route 28 near Compton Road south of Compton Rd



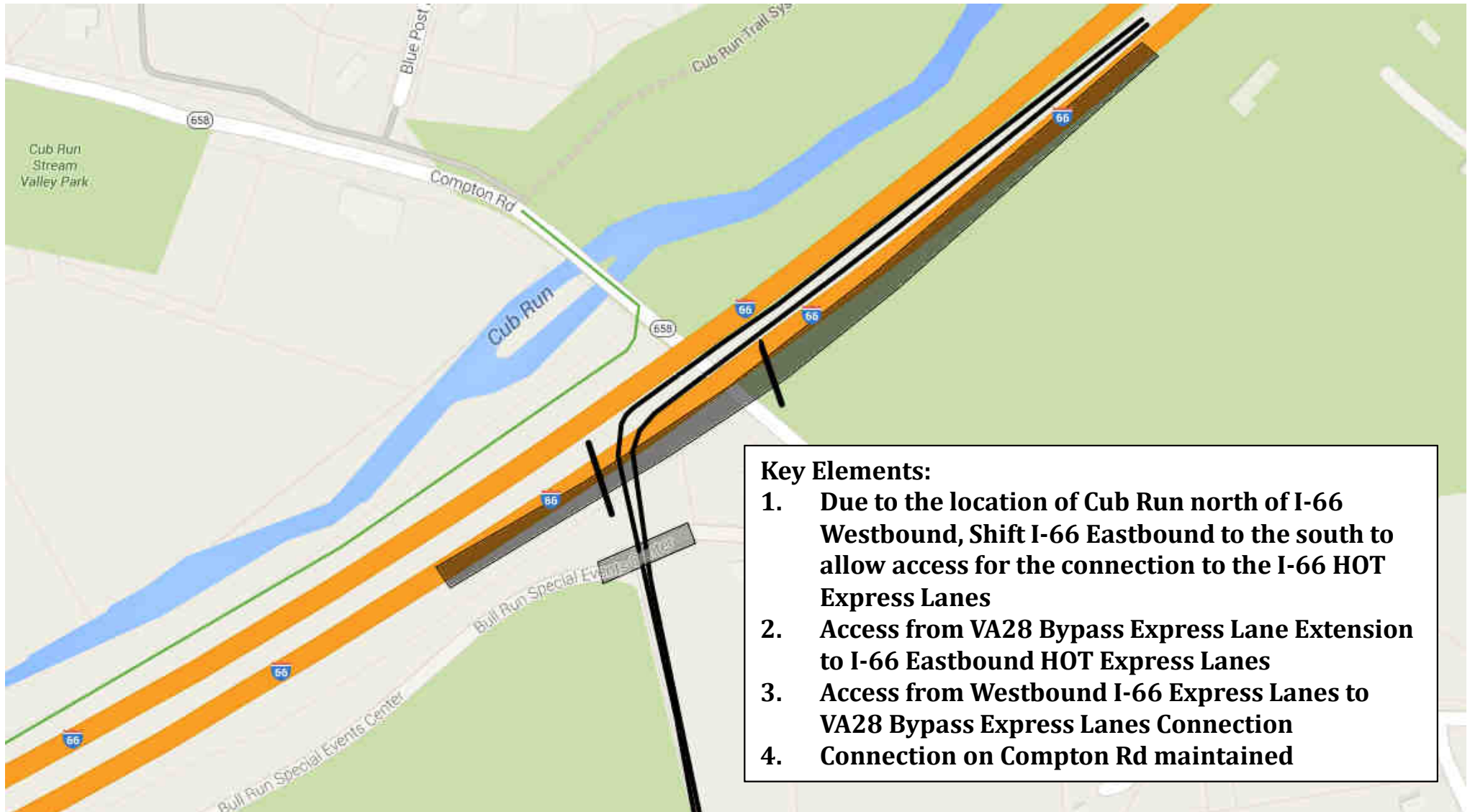
VA28 Bypass Interchange with I-66 Express Lanes Access Road

Recommended VA28 Bypass Interchange to Access Road to I-66 Express Lanes North of Cub Run



I-66 Express Lanes Interchange

Recommended I-66 Express Lanes Interchange with Access Road from VA28 Bypass near Compton Rd.



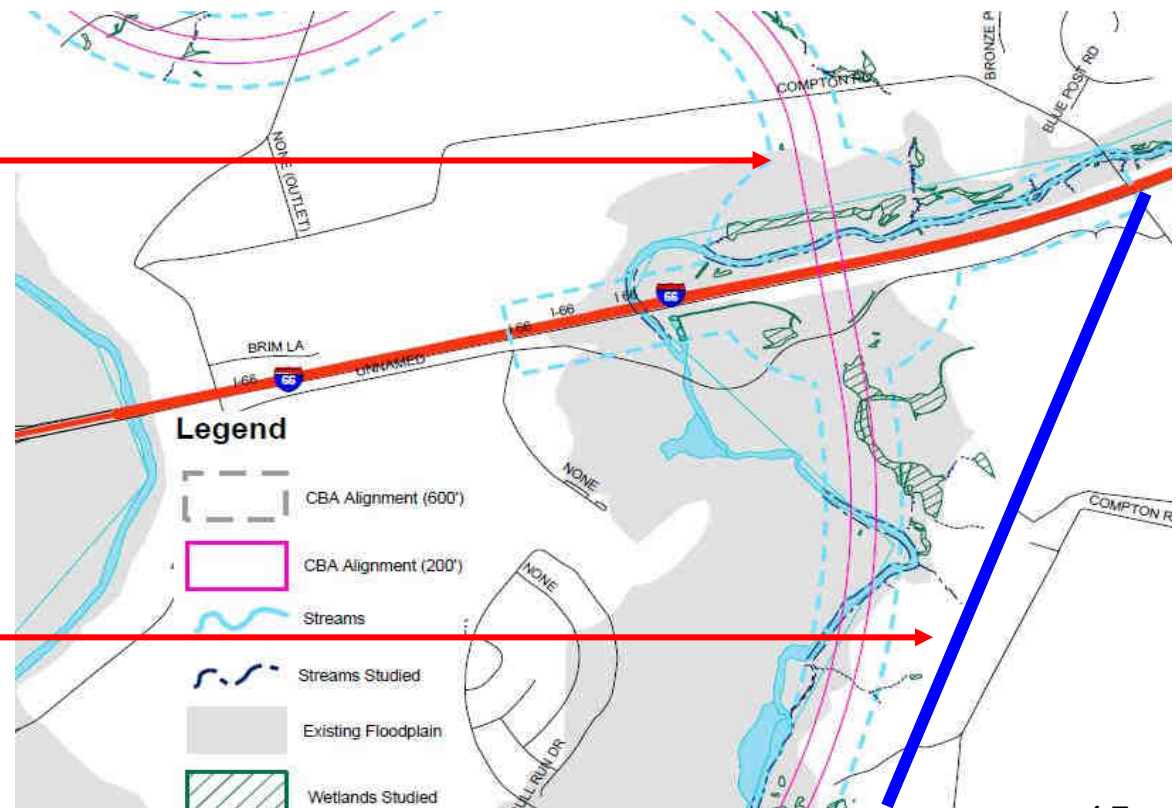
Tri-County Pkwy Location Study Decision

The general alignment was studied as part of the Tri-County Parkway Location Study in 2005 (http://www.virginiadot.org/projects/northernvirginia/tri-county_parkway_location_study.asp)

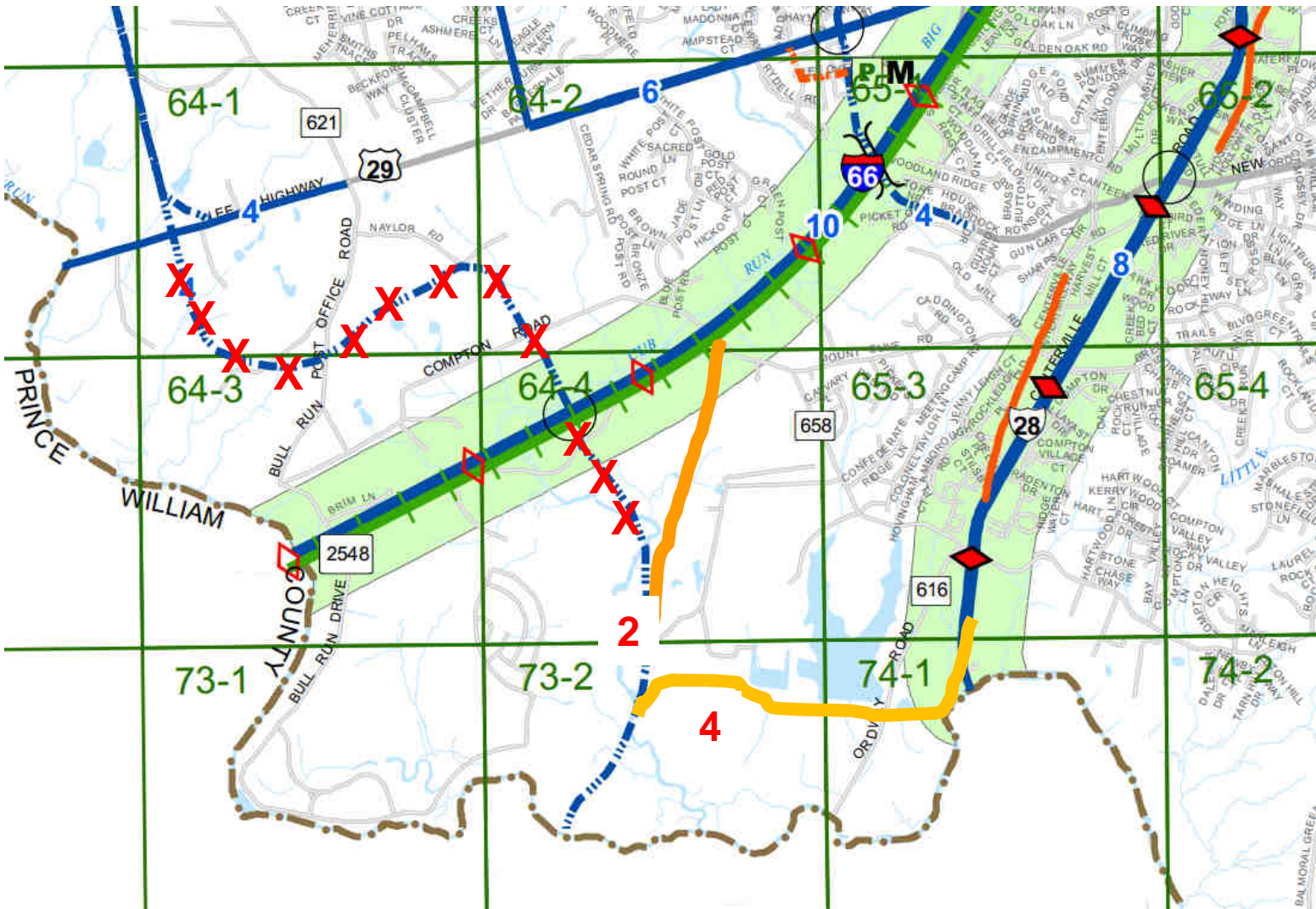
The Comprehensive Plan Alternative alignment was not selected for the following reason: “The Federal Highway Administration has expressed concerns about the impacts of segment E of the Comprehensive Plan Alternative due to the impacts to public park land; therefore, federal funds may not be available for the development of this alternative.”

Note: Segment E was planned to be a ***Six-Lane*** facility through Bull Run Park

The access road to the I-66 Express Lanes alternative will have a reduced environmental impact on Bull Run Regional Park by taking a different **alignment** to Compton Rd (**blue**) and having a smaller **two-lane** footprint.



Change to the Fairfax County Comprehensive Plan

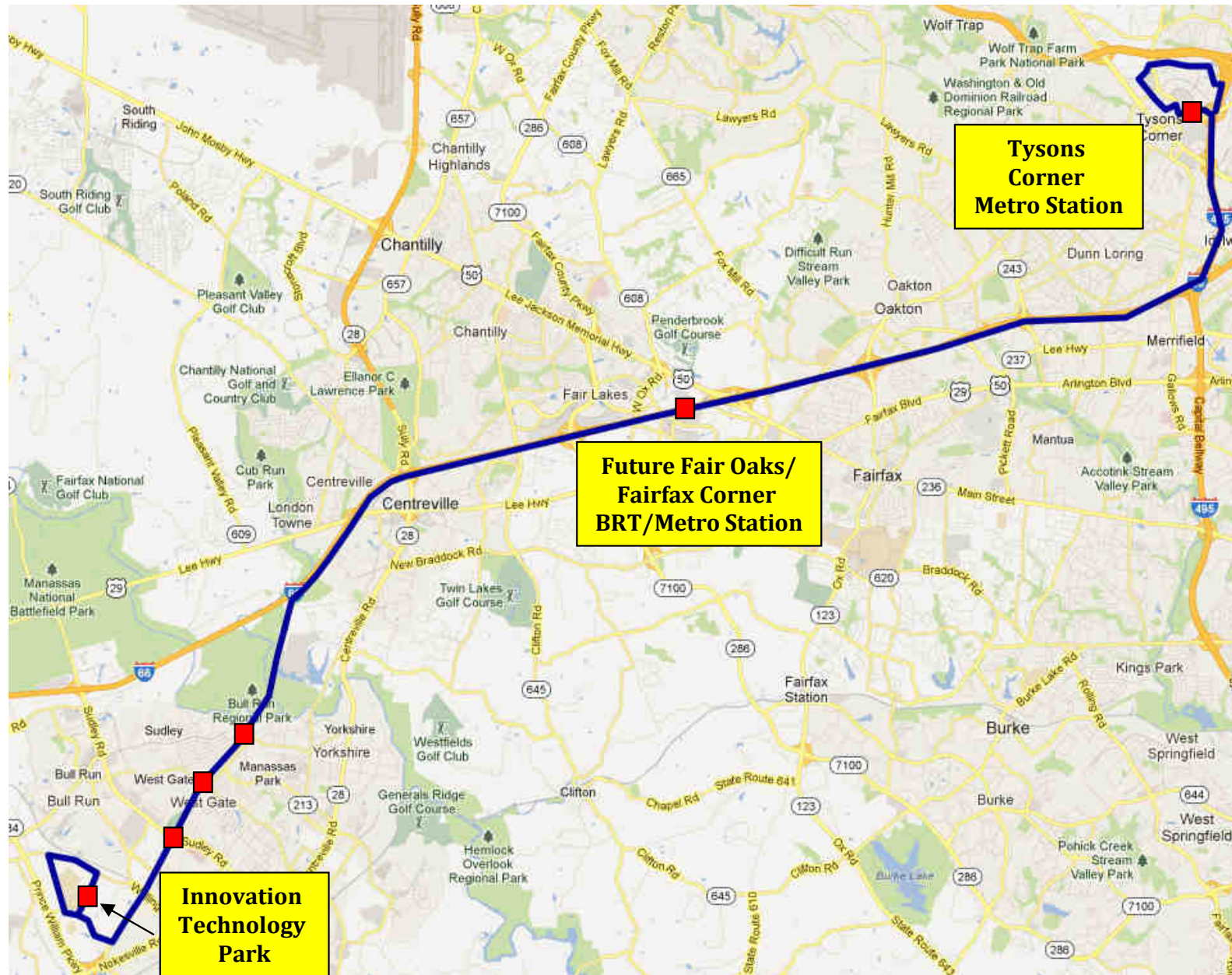


Mass Transit

- The access road would include three transit stations at Sudley Rd (234 Business), Lomond Dr. and Sudley Manor Dr.
- All-day transit to/from Tysons Corner Metro and Manassas with 5-10 minute headways during peak times and 20-30 minute headways during off-peak times (Operating: 4:30am to 1:00am M-F)
- Transit on the current area roads do not provide reliable a time savings to driving. (More frequent and reliable transit will induce more riders and reduce traffic)
- **\$5.00** - Excepted one-way trip fare (2018) between the Manassas Area and Tysons Corner Metro Station.



Proposed All-Day BRT Route between Manassas and Tysons



Estimated Construction Costs

Estimated Design/Construction Costs				
Note: This was developed by a local citizen using information gathered from previously completed projects				
Item	Unit Amount	Unit Measure	Unit Cost	Total Cost
Four Lane Road with 2' Paved Shoulders Inside, 8' Paved Shoulders Outside, and 12' Center Curb Median	4	Mile	\$ 7,500,000	\$ 30,000,000
Two Lane Transit Road (PWC)	2	Mile	\$ 3,000,000	\$ 6,000,000
Design Cost	1		\$ 15,000,000	\$ 15,000,000
Land Acquisition (Three tracks near Compton Rd., HOA)	1		\$ 5,000,000	\$ 5,000,000
Utility Relocation (Bury power lines under Road in Bull Run Park)	1		\$ 5,000,000	\$ 5,000,000
Road Signs	1		\$ 1,500,000	\$ 1,500,000
Lights	1		\$ 1,000,000	\$ 1,000,000
Bridge: Bull Run (Accommodate Bluebell Trail)	1	Bridge	\$ 5,000,000	\$ 5,000,000
Bridge: Cub Run (Accommodate Bull Run-Occoquan Trail)	1	Bridge	\$ 2,000,000	\$ 2,000,000
Lomond Drive Tear-Drop Roundabout Interchange	1	Overpass	\$ 20,000,000	\$ 20,000,000
Sudley Manor Drive Tear-Drop Roundabout Interchange	1	Overpass	\$ 20,000,000	\$ 20,000,000
I-66 Express Lanes Extension Interchange with VA28 Bypass	1		\$ 5,000,000	\$ 5,000,000
Old Centreville Road Overpass	1		\$ 5,000,000	\$ 5,000,000
Route 28 Interchange with VA28 Bypass	1		\$ 10,000,000	\$ 10,000,000
Bike Trail	7	Mile	\$ 500,000	\$ 3,500,000
Parking Lot (250+ spaces)	3	Lots	\$ 3,000,000	\$ 9,000,000
Transit Stations	3		\$ 2,500,000	\$ 7,500,000
Sudley Road Intersection Improvements	1		\$ 10,000,000	\$ 10,000,000
I-66 Express Lanes Access Ramps	2	Ramps	\$ 10,000,000	\$ 20,000,000
I-66 Eastbound Lane Shift with Bridge	1		\$ 25,000,000	\$ 25,000,000
Electronic Toll Collection Gantry and associated cable/software	1		\$ 2,000,000	\$ 2,000,000
Access Road to I-66 Express Lanes	2	Mile	\$ 7,500,000	\$ 15,000,000
Bull Run Special Events Road Overpass	1	Overpass	\$ 5,000,000	\$ 5,000,000
Total				\$ 227,500,000
Contingency	10%		\$ 22,750,000	\$ 22,750,000
Total				\$ 250,250,000

Funding/Benefits of the project

Funding Recommendations:

- **Northern Virginia Transportation Authority - \$150 Million**
- **VDOT/I-66 Express Lanes Project - \$70 Million**
- **Prince William County/City of Manassas - \$20 Million**
- **Fairfax County - \$10 Million**

Benefits:

- Creates a more direct and reliable route to the Old Town Manassas Central Business District (CBD) and PWC Innovation Technology Park from Washington D.C./Fairfax County
- Incorporates transit stations and park and ride lots would be build for commuters and recreational users along the road at @ Sudley Rd., Lomond Dr. and Sudley Manor Dr. access points
- Provides **20 minute** travel time savings for transit riders over current OmniRide options and **10 minute** travel time savings for vehicles during peak periods.
- Reduces traffic volumes on Route 28 and Route 234 Business in Prince William County
- Reduces traffic volumes on I-66 between Route 234 Business and Route 28 interchanges
- Creates connection with proposed "I-66 Express Lanes" to the east towards Washington D.C. for transit vehicles, carpoolers (HOV3), and SOV and HOV2 toll paying vehicles
- Creates a connection between Sudley Manor Dr. and Rugby Rd. to provide better access to Ben Lomond Park and Splashdown Water park and reduce traffic levels on Lomond Dr.
- Provides a five mile bike trail through Bull Run Regional Park to the Cub Run Trail System
- Construction could proceed quickly and at a **lower cost** because it would not impact existing road infrastructure
- Public sector owns 95%+ of the land

Next Steps, Conclusion, Contact

Next Steps:

Prince William County is leading a Route 28 (Manassas Bypass)/ Godwin Drive Extended study to evaluate the scope, cost, environmental, traffic forecasts, alternative alignments and feasibility factors required to gain approval for Route 28 corridor congestion improvements between the City of Manassas and Fairfax County

Conclusion:

- Enhances transportation options through frequent reliable all-day bus service between Manassas and Tysons Corner
- Provides residents better access to job and educational activity centers.
- Provides users with a choice of a reliable trip time
- Reduces congestion on arterial routes to I-66

Contact:

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- www.novarapidtransit.org
- www.facebook.com/FixRoute28