



Update on Tysons Development and Transportation Projects

Tysons Transportation Service District Advisory Board

Christina Cain and Tom Biesiadny

Department of Transportation

March 29, 2023

Presentation Overview

- Development Updates: Tysons Tracker
- Transportation Projects
 - Major Roadway Projects (Tysons-wide)
 - Table 7B
 - Grid of Streets
 - Route 7 BRT (International to I-495)
 - Tysons Transit Service
 - Tysons Metrorail System Access Management Projects
 - Neighborhood Intersection Improvements Study
- FY 2023 Service Rate Recap and Assessed Values
- FY 2024 Rate Recommendation and Project Allocations





Development

Tysons Tracker



Tysons Tracker

Monitoring Comprehensive Plan Implementation

Available online at: <https://tysons-tracker-fairfaxcountygis.hub.arcgis.com/>

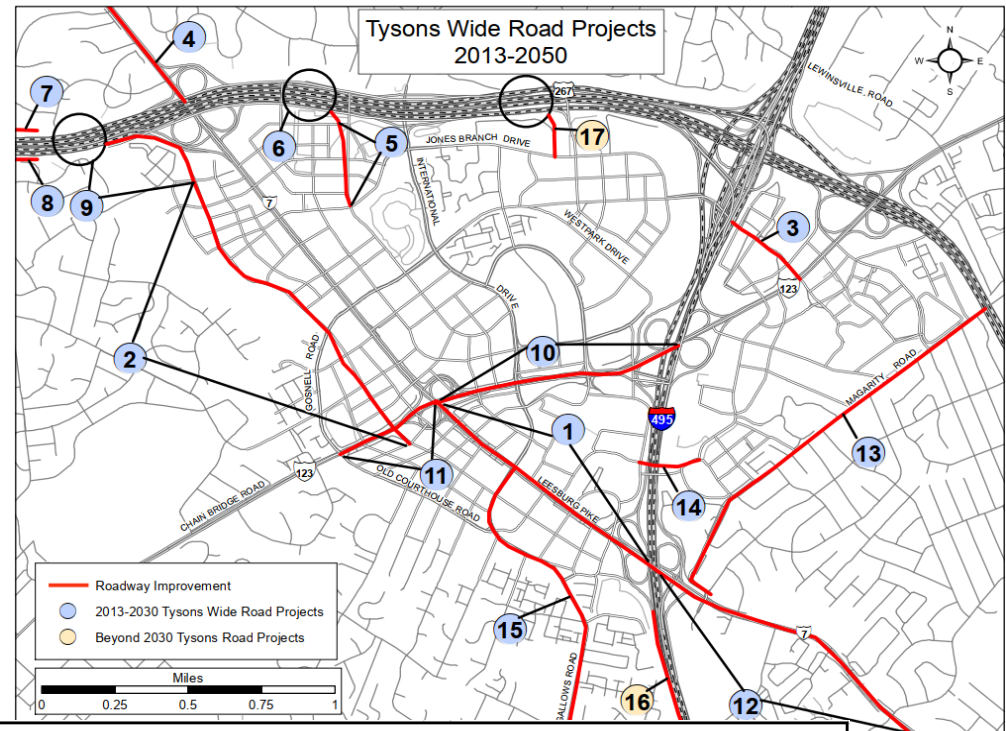


Transportation Projects

Major Roadway Projects (Tysons-wide)

Tysons-wide Improvements:

- The Comp Plan Amendment identified 17 Tysons-wide roadway improvements necessary to support the anticipated growth.
- 2 of the 17 are complete (#3 & 14)
- 1 of the 17 is under construction (#4)
- 9 others in study, preliminary engineering, or design (#'s 1, 2, 5, 6, 9, 10, 12, 15, 17)



- | | |
|---|--|
| 1 Route Widening(Route 123 to I-495) | 10 Route 123 Widening (Route 7 to I-495) |
| 2 Boone Blvd Extension (Route 123 to Ashgrove Ln) | 11 Route 123 Widening(Old Courthouse Rd to Route 7) |
| 3 Jones Branch Connection to I-495 (Jones Branch Dr to Route 123) | 12 Route 7 Widening (I-495 to I-66) |
| 4 Route 7 Widening(Reston Ave to Dulles Toll Road) | 13 Magarity Rd Widening (Lisle/Route 7 to Great Falls St) |
| 5 Greensboro Drive Extension (Spring Hill Rd to Tyco Rd) | 14 I-495 Overpass at Tysons Corner Center |
| 6 Dulles Toll Road Ramp to Greensboro Drive Extension | 15 Gallows Rd Widening (Route 7 to Prosperity Ave) |
| 7 Dulles Toll Road Westbound Collector Distributor | 16 I-495 Additional Lane (Outer Loop, Route 7 to I-66) |
| 8 Dulles Toll Road Eastbound Collector Distributor | 17 Ramps Connecting Dulles Toll Road to Jones Branch Drive |
| 9 Dulles Toll Road Ramp to Boone Blvd Extension | |

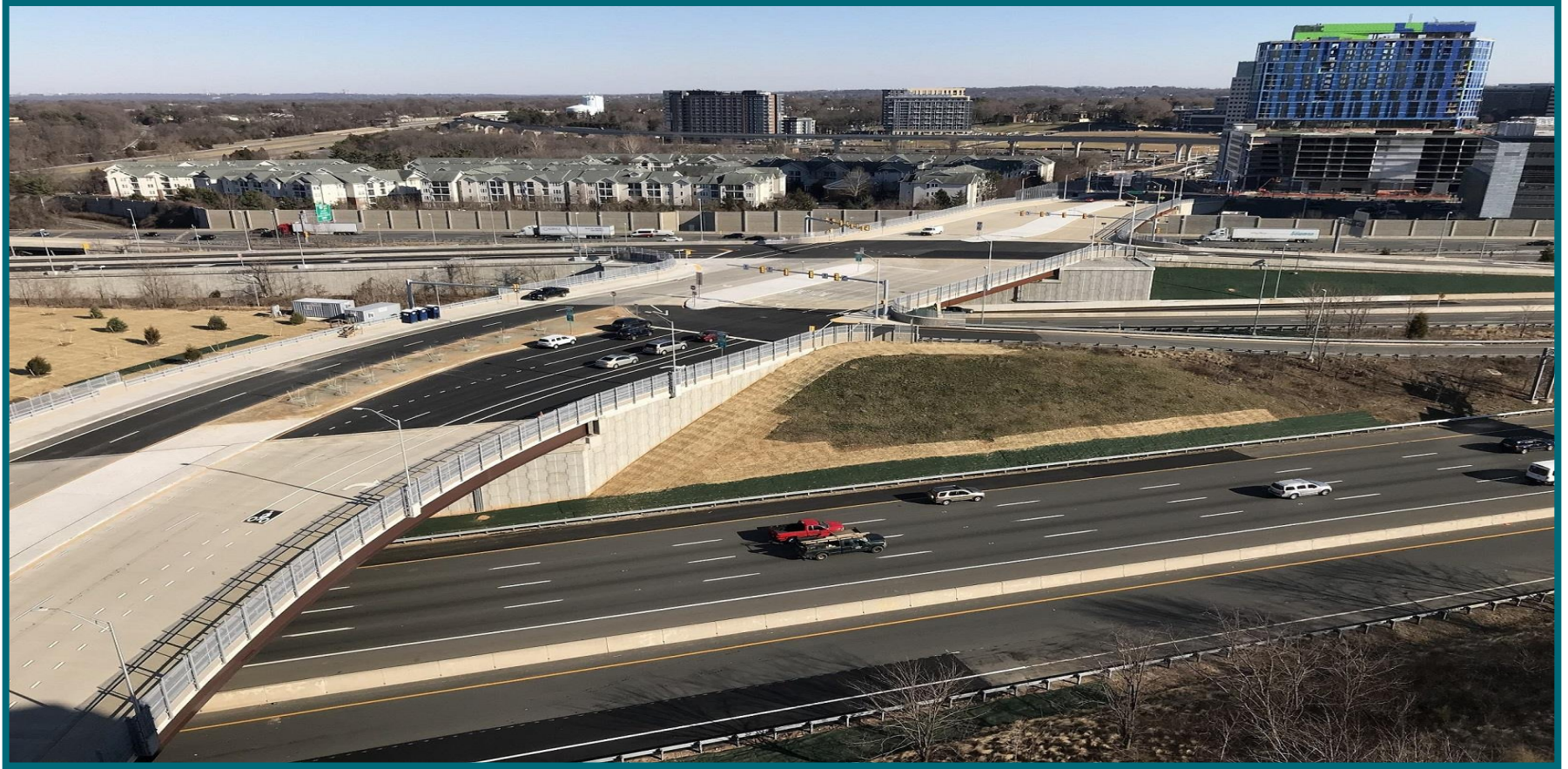
Major Roadway Projects (Cont.) – Part of Project #4

Route 7 Bridge over Dulles Toll Road – Completed May 2018



Major Roadway Projects (Cont.) – Project #3

Jones Branch Connector – Completed Spring 2020



Major Roadway Projects (Cont.) – Project #14

I-495 Overpass at Tysons Corner Center – Completed October 2022



Major Roadway Projects (Cont.) – Project #4

Route 7 Widening - (Reston Avenue to Dulles Toll Road)

- Widen Route 7 from 4 to 6 lanes from Jarrett Valley Drive to Reston Avenue
 - Intersection improvements
 - Shared use trail on both sides
 - Upgraded bus stops
- Total Project Estimate: \$314 million
 - VDOT is the project manager with County input
- Project Schedule:
 - Contract awarded: August 2018
 - Construction started: Spring 2019
 - Estimated project completion: Summer 2024
 - **Project is 76% completed**
- Current Status:
 - Bridge and noise wall work underway.
 - Most of the project is in the last phase of construction.
 - Lewinsville Road intersection in interim condition is complete.



Major Roadway Projects (Cont.) – Project #1

Route 7 Widening (Route 123 to I-495)

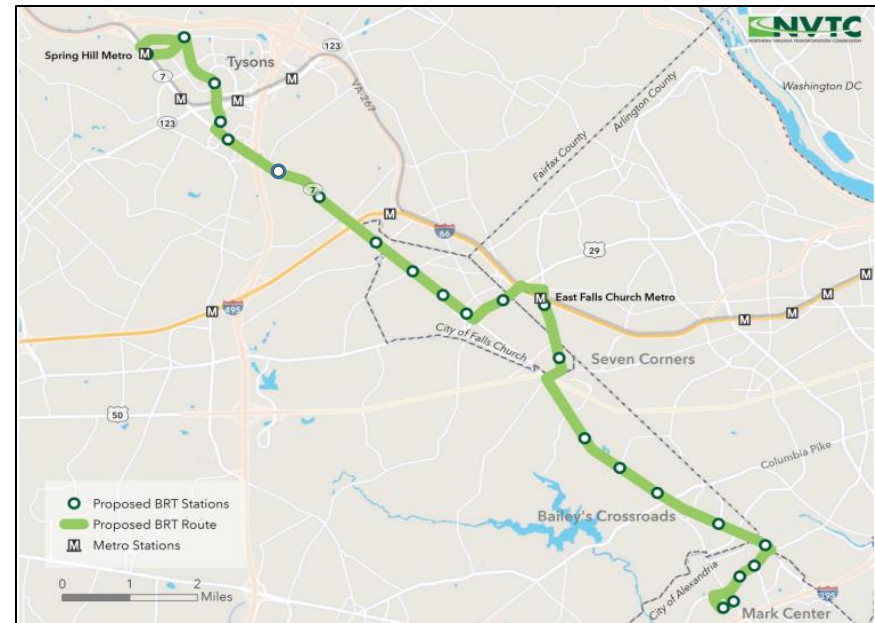
- Route 7 widening study is being coordinated with the BRT study.
- Two new lanes in the median for future BRT (International to I-495) while widening roadway to the outside to preserve 6-lane section.
- Final BRT recommendations approved by Board of Supervisors (BOS) in July 2021
- VDOT completed Project Pipeline Study for this section of roadway in 2022 - included access management improvement, ped/bike improvements, and roadway widening for future BRT. County applying for funding.



Route 7 BRT (International to I-495)

NVTC's Envision Route 7 Study Background:

- Conducted by Northern Virginia Transportation Commission (NVTC)
- Project partners include Arlington County, Fairfax County, City of Alexandria, City of Falls, NVTC, DRPT, WMATA, and VDOT
- Identified BRT as preferred alternative from Mark Center in Alexandria to Tysons
- Recommended dedicated bus lanes within Tysons and between Seven Corners and Baileys Crossroads and provide multimodal solution
- Next phase will look at transportation analysis for entire Route 7 Corridor
- Connects to Alexandria's West End Transitway at the Mark Center



Major Roadway Projects (Cont.)

Other Projects

Route 7 Widening (I-495 to I-66) Project #12

- Route 7 BRT alignment was approved by BOS in July 2021
- Planning work, including BRT lanes, is underway
- \$10.5 million in service district funds approved for design and land acquisition

Ramp from Greensboro Drive to Dulles Toll Road Project #6

- Study began January 2021, to be completed in Summer 2023.
- Will include 15% design for recommended ramps
- \$1 million in service district funds approved for study/engineering

Major Roadway Projects (Cont.)

Other Projects

Tyson's Westpark Fire Station and Transit Center

- Redevelopment of the transit center on Jones Branch Dr to include a five bay fire station and five bay bus transit facility
- Accommodates new ramp to Dulles Toll Road
- Total project estimate is \$20,000,000
- Design is underway



Fire Station View



Transit Center View

Tysons Table 7B Projects

Route 123 Modified Intersection Treatment (I-495 to the Dulles Connector Road)

- Multiple options being considered and evaluated including Super Street Option selected in the previous study, Cleveland Ramp and various roadway improvements

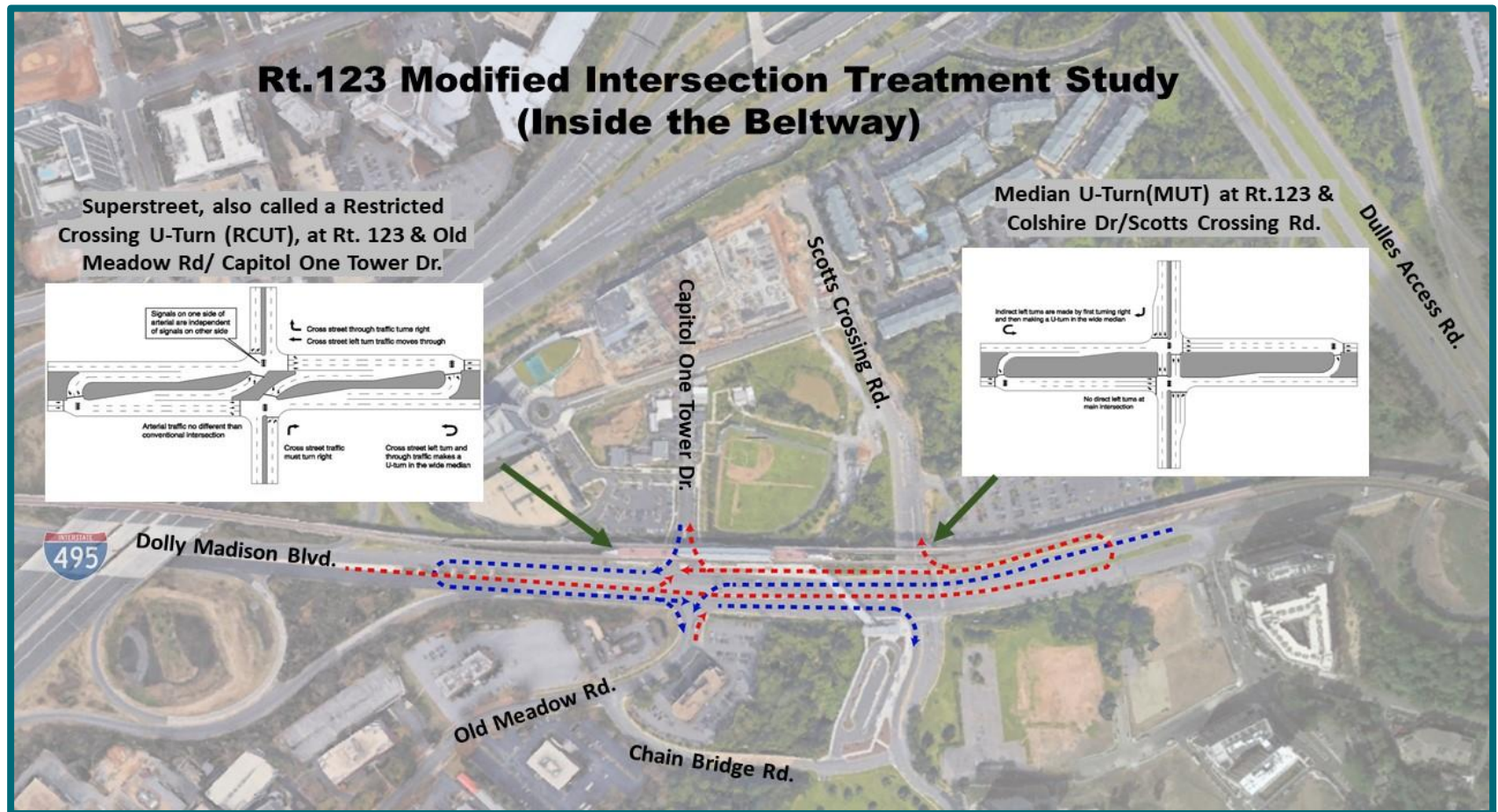
Route 123 Modified Intersection Treatment (I-495 to International Drive) – Project #10

- Multiple options being considered and evaluated including the Comprehensive Plan recommendation and various roadway improvements

Both Projects

- Analysis of Future Conditions: Completed
- Analysis of Preferred Alternative: Completed
- Additional Mitigation Measures Evaluation: Completed
- Final recommendation and Phasing Analyses: Spring 2023

Tysons Table 7B Projects (Cont.)



Tysons Table 7B Projects (Cont.)

Cleveland Ramp

- Modification to the eastbound off-ramp from the Dulles Access Road to Route 123
- Two preferred alternatives: Braided Ramp and an Auxiliary Lane concepts from the previous study
- Included in the Route 123 Modified Intersection Treatment Study
- Discussing strategies with VDOT for funding and advancing this project

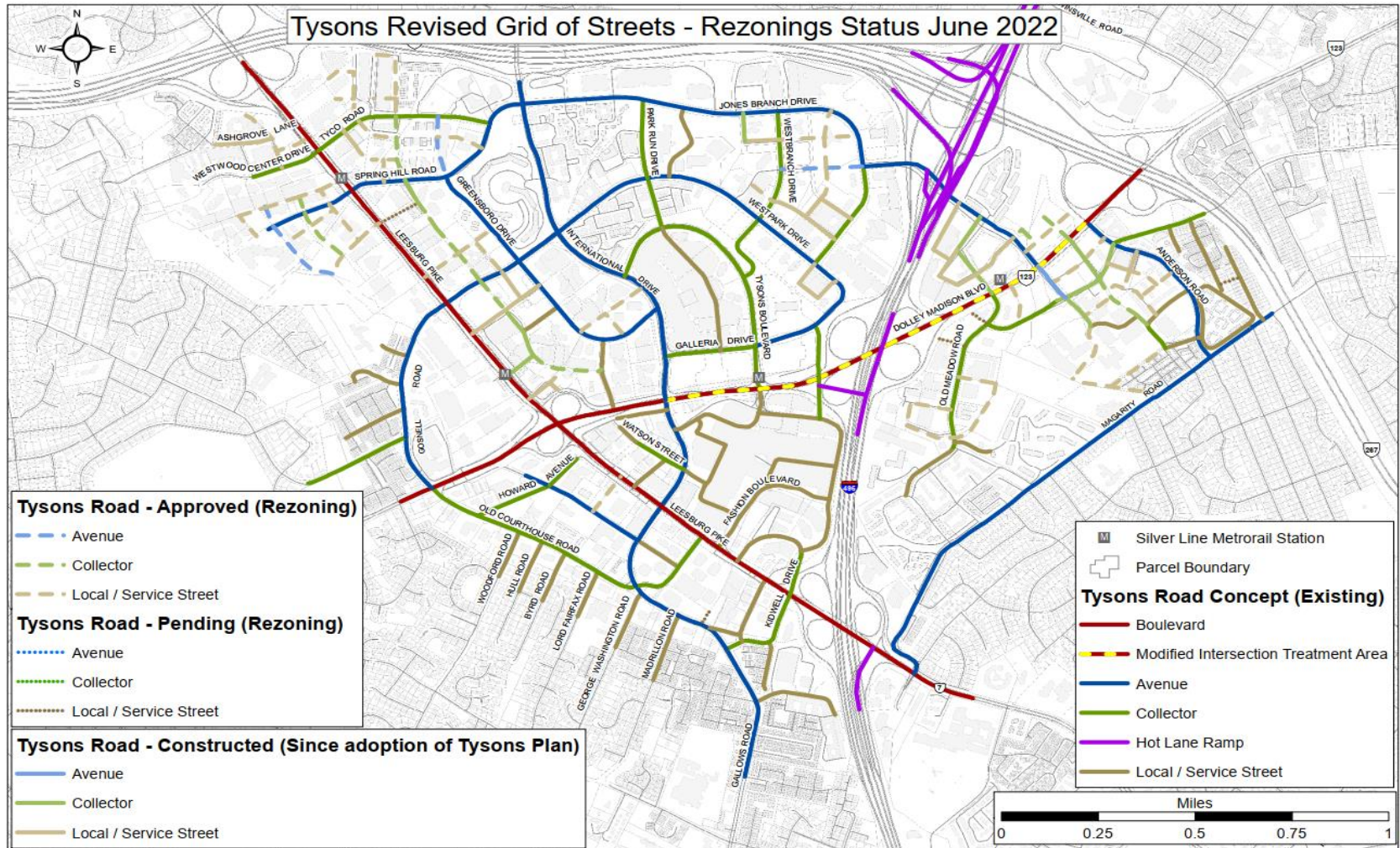
Route 7/Route 123 Interchange

- Three concepts are being analyzed
- Evaluation of concepts temporarily on-hold
- Third concept (quadrant intersection) currently being developed
- Stakeholder meetings planned once evaluation complete

Gallows Road at Gallows Branch

- To I-495 southbound ramp
- Study to be initiated in the future

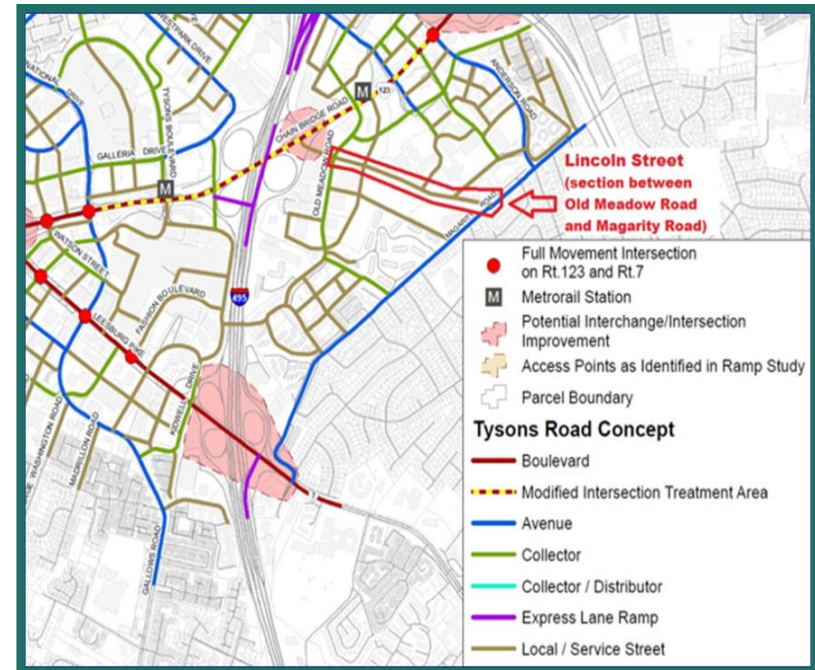
Tyson's Grid of Streets On-going Development



Tysons Grid of Streets (Cont.)

Lincoln Street

- Street to connect Route 123 to Magarity Road.
- Will allow access to existing/approved developments along Old Meadow Road from Magarity Road.
- Additional access to residential units on Old Meadow Road.
- Total Project Estimate: \$47.2 million
- Design 30% completed. Detailed design work to be initiated in June 2023
- Community meeting was held in May 2022
- Construction start: June 2027
- Project Completion: December 2028



Transit Service McLean & Tysons

Transit service in Tysons & McLean

Fairfax Connector

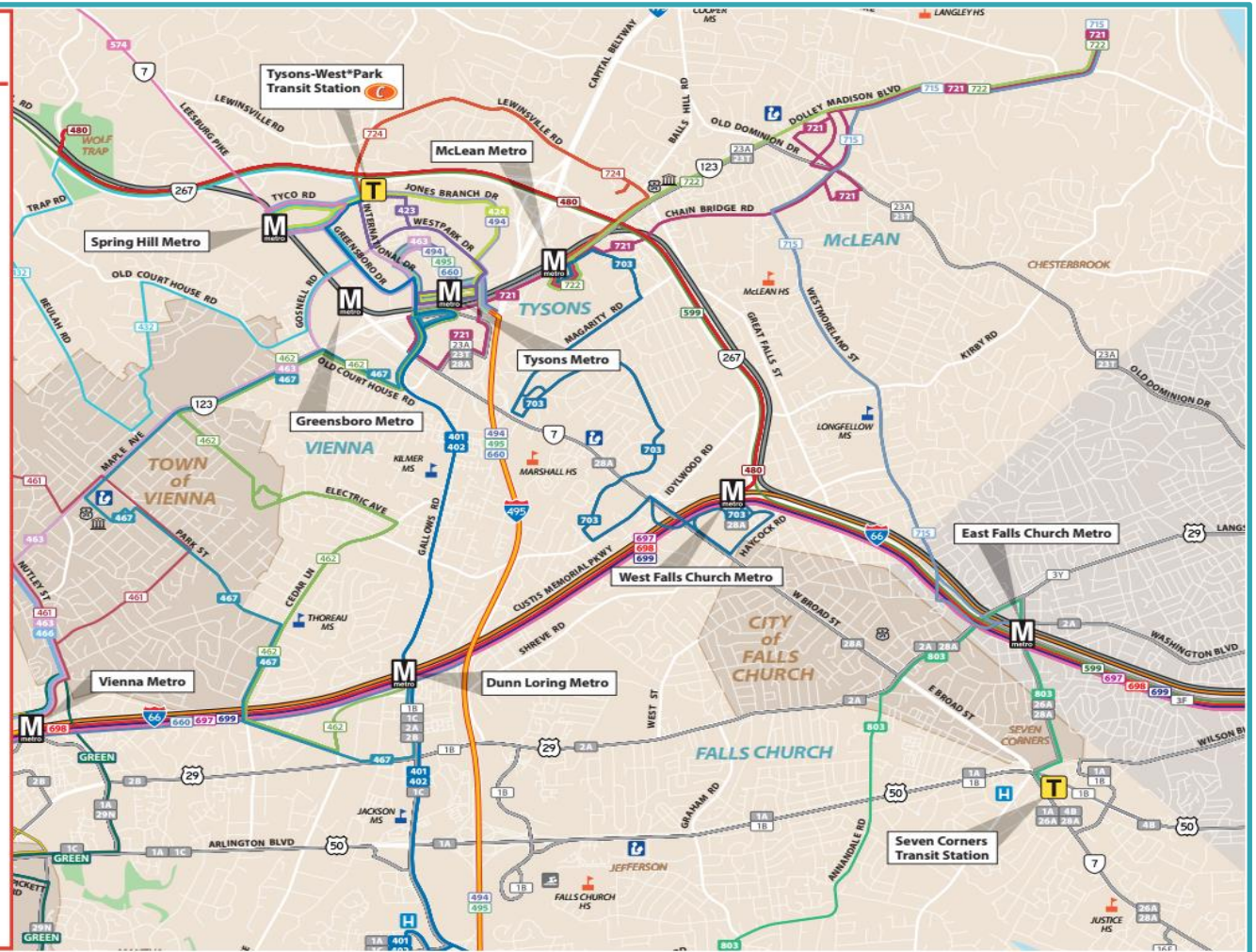
- 401** Weekday, Saturday & Sunday Service
- 402** Weekday, Saturday & Sunday Service
- 422** Weekday Service Only
- 423** Weekday, Saturday & Sunday Service
- 424** Weekday & Saturday Service
- 432** Weekday Rush Hour Service Only
- 462** Weekday Rush Hour Service Only
- 463** Weekday, Saturday & Sunday Service
- 467** Weekday & Saturday Service
- 494** Weekday Service Only
- 495** Weekday Service Only
- 574** Weekday, Saturday & Sunday Service
- 660** Weekday Service Only
- 703** Weekday, Saturday & Sunday Service
- 715** Weekday Service Only
- 721** Weekday, Saturday & Sunday Service
- 722** Weekday Service Only
- 724** Weekday Rush Hour Service Only

Metrobus

- 23A** Weekday, Saturday & Sunday Service
- 23T** Weekday, Saturday & Sunday Service
- 28A** Weekday, Saturday & Sunday Service

Metrorail

- SV** Silver Line: Spring Hill, Greensboro, Tysons Corner, McLean, East Falls Church
- OR** Orange Line: Dunn Loring, West Falls Church, East Falls Church



Transit Service (Cont.)



Purpose

- Enhance transit service in the Tysons area
- Support transit-oriented development
- Provide transit connections from the Metrorail stations to areas of Tysons not within walking distance

Implemented Service

- 2020 – New transit service from McLean to Langley (Routes 721/722)
- 2021 – Metrobus routes 3T and 15k reinstated and converted to Fairfax Connector bus routes 703 and 715
- 2023 – New express service from Centreville (Stone Rd) P&R, Government Center, and Vienna Metro to Tysons (Route 660) using I-66 Express Lanes.

Transit Service (Cont.)



Ridership Trends

- Overall, ridership has increased significantly in FY 2023, as a result of more patrons returning to the office.
- As of January 2023, year-over-year ridership in Tysons/McLean is up by 31% for Weekday service, 30% for Saturday service, and 9% for Sunday service

Future Improvements

- Tysons Westpark Transit Station reconstruction as part of Fire Station Project
- Piloting of Micro Transit Service on Lewinsville Road and Old Courthouse Road (subject to funding)
- Tysons area transit service changes as described in the Centreville-Chantilly-Vienna-Tysons Route Optimization Study
- Express bus service between Tysons and Bethesda, Maryland on I-495
- Route 494 service adjustment to improve schedule reliability

Transit Service (Cont.)

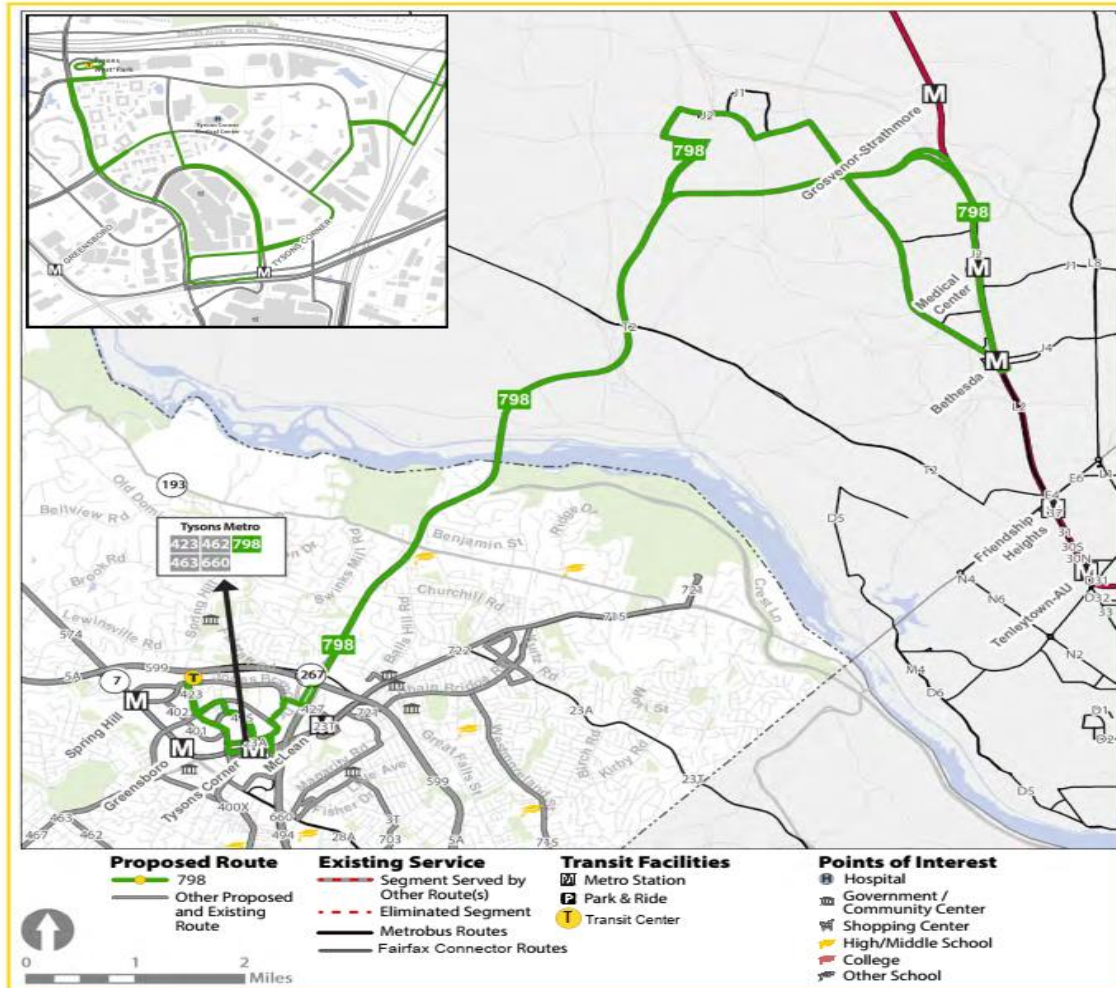


Route 798 Tysons - Bethesda

- Part of regional response to I-495 American Legion Bridge capacity issues
- Linking Metrorail's Silver and Red lines providing a faster transit connection between Maryland and Fairfax County than is currently possible via Metrorail
- Route will link three major activity Centers: Bethesda, National Institutes of Health (NIH), and Tysons
- Will provide bi-directional peak service during express lanes construction
- Prior to the completion of the Express Lanes Project on I-495, the service will operate during peak periods only with a 20-minute headway. When the planned Express Lanes project is complete, Route 798 will be expanded to 15-minute headways and include off peak service every 45 minutes
- Capital and Operating costs are funded.

Transit Service (Cont.)

Route 798: Tysons - Bethesda



Service Period	Frequency	Span of Service
Peak	20 min.	5:50 a.m. to 8:50 a.m. Mid-day service (Tentative) 3:30 p.m. to 6:30 p.m.

Silver Line Phase II – Completed November 2022

Revenue service started November 15, 2022

- 25,000 trips per week
- 5,000 trips per day during the weekdays
- Ashburn and Dulles are busiest new stations
- Most common starting or ending point for customers traveling to and from new stations are in downtown DC: Farragut West, McPherson Square, Foggy Bottom, Metro Center
- Reston/Herndon Bus Service Changes
 - Successful startup and customers adapting to changes
 - New routes providing approximately 579 passenger trips per day

Silver Line Phase II – Completed November 2022

Ribbon Cutting Ceremony



Reston Town Center Station



Innovation Station



Herndon Station



Tysons Metrorail Station Access Management Study (TMSAMS)

Purpose of (TMSAMS)

- To prioritize access improvements to the Metrorail stations in Tysons.
- Study completed in 2011.

Timeline

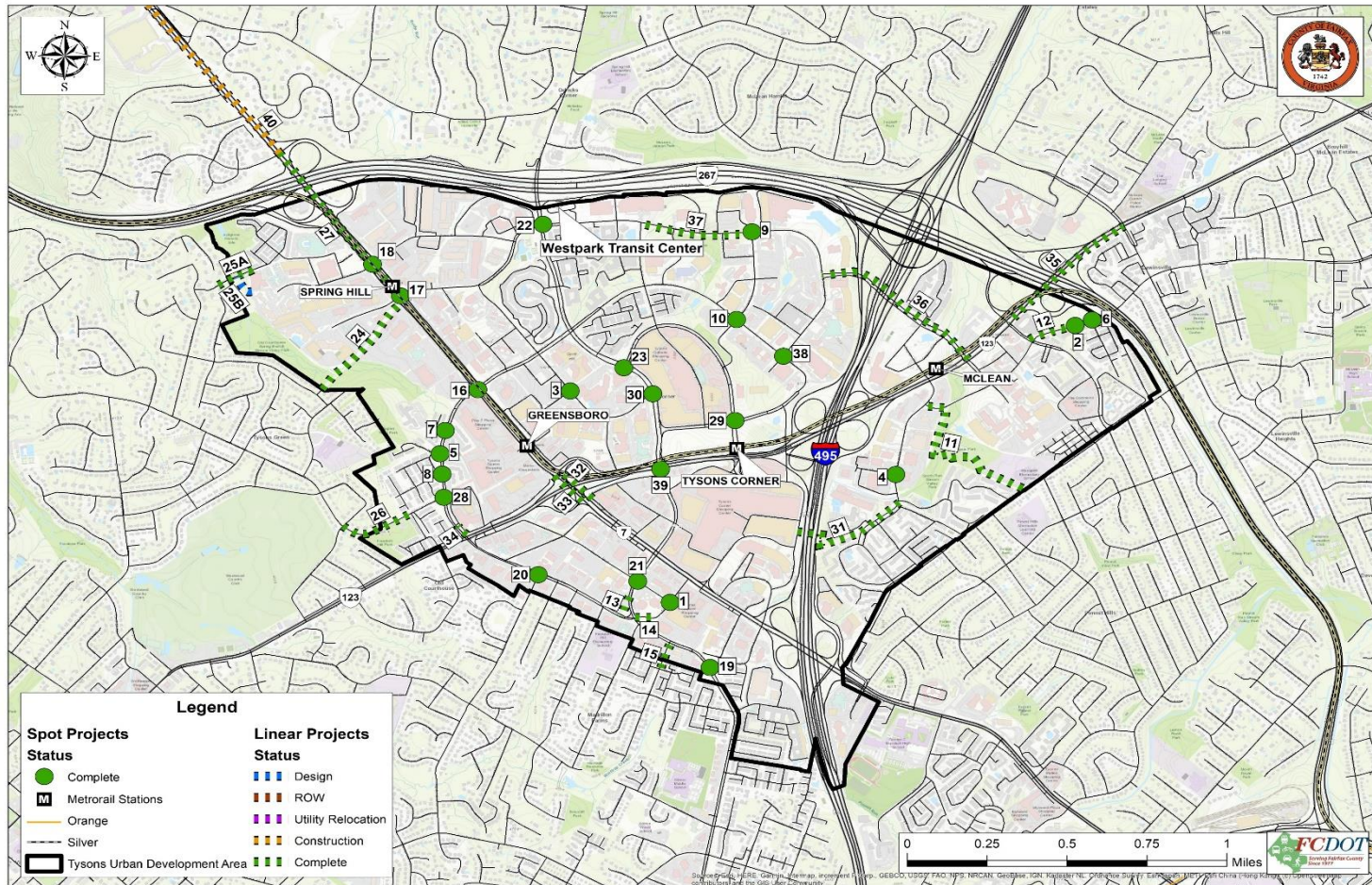
- Staff recommendations approved by the Board in May 2012.
- Staff is currently working to complete design and construction of these projects.

Progress Update

- 40 of 42 projects completed.
- 1 in Construction
- 1 in Design.

TMSAMS Project Map

Tysons Metrorail Station Access Improvement Projects



TMSAMS (Cont.)

Route 7 Walkway from Dulles Toll Road to Beulah Road - #40

- Portion of work from south of Dulles Toll Road to Jarrett Valley Drive completed in May 2018
- The remaining construction will be included in the Route 7 Widening project from Jarrett Valley to Reston Parkway
- Estimated project completion: July 2024

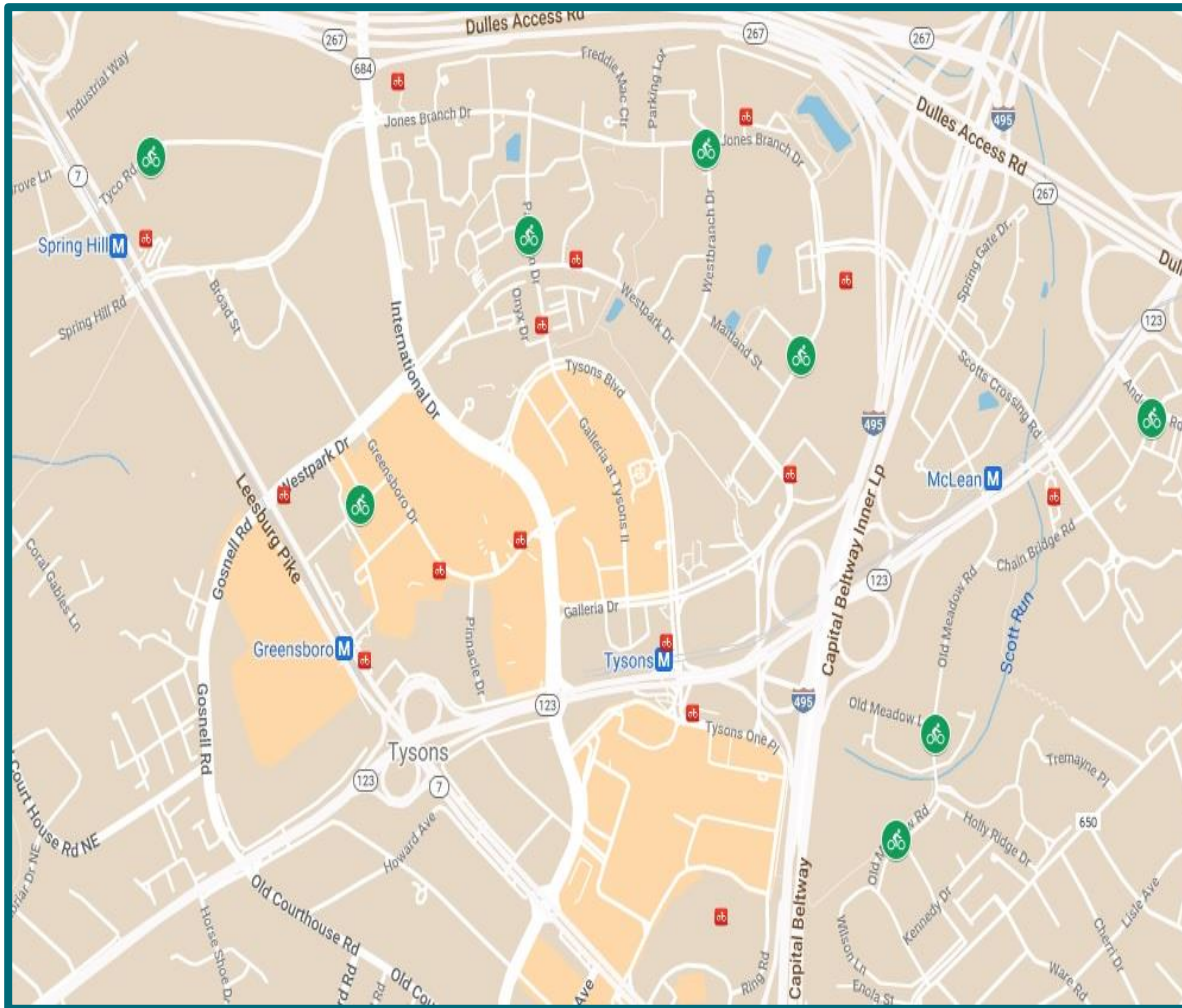
Pedestrian Bridge from Old Meadow Road to Tysons One Place- #31

- Completed in October 2022
- A ribbon cutting was held on November 9, 2022

Old Courthouse Road Trail - #26

- Trail from Westbriar Court to Battery Park Street
- Constructed by Town of Vienna
- Project was completed in January 2023

Tysons BikeShare



Some stations to move within Tysons to improve ridership and revenue

12 additional stations underway in the Providence District

Red icons are existing stations
Green icons are planned stations

Total Trips	
2019	10,079
2020	4,093
2021	4,084
2022	6,322
2023 - Feb	878

Tysons Neighborhood Traffic Study

Purpose

- Evaluate existing (at the time 2008) and future (2030) traffic impacts and potential mitigation measures for 30 intersections in the areas surrounding Tysons
- 13 intersections were shown to have either AM, PM, or both peak hours failing (LOS F is considered failing) under 2008 conditions

Selection Method

- Intersections were chosen based on input from Dranesville, Providence, and Hunter Mill Supervisors
- Staff evaluated 2030 conditions and potential mitigation measures and decided upon a series of proposed next steps

Proposed Next Steps

- Annually monitor locations that currently do not fail that are projected to potentially fail by 2030
- Locations in the “Monitor” category will be evaluated regularly, with potential solutions generated for locations with LOS deteriorating towards failure
- Feasibility studies, design, construction activities are underway for specific projects.

Tysons Neighborhood Traffic Study (Cont.)

Projects Advancing:

Lewinsville Road and Spring Hill Road

- Two alternatives were advanced for detailed traffic analysis and plan development
- The Offset T-Intersection is the preferred alternative
- Final report was completed in Fall 2022

Lewinsville Road and Leesburg Pike

- Part of the VDOT Route 7 Widening Project (Jarrett Valley Drive to Reston Avenue)
- Concept for this intersection is a displaced left turn
- Interim Configuration implemented
- Estimated completion: July 2024

Balls Hill Road and Old Dominion Drive

- Preferred T-Intersection Improvements Option A.1 Intermediate design submitted in July 2021
- Two Community meetings held in June 2022 one virtual and one in-person, comment period closed at the end of July
- Preparing plans for intermediate submission to VDOT in summer 2023.

Tysons Neighborhood Traffic Study (Cont.)

- **Dolley Madison Boulevard Corridor Study was completed in December 2022**
 - Includes the following Neighborhood Study intersections:
 - Dolley Madison Boulevard at Lewinsville Road/Great Falls Street
 - Dolley Madison Boulevard at Old Dominion Drive
 - Lewinsville Road at Balls Hill Road
 - Great Falls Street and Chain Bridge Road
 - Lewinsville Road and Old Maple Drive
 - Dolley Madison Boulevard and Ingleside Avenue
 - Old Dominion Drive and Ingleside Avenue/Park Avenue
 - Analysis of short-term and long-term mitigation measures has been completed
 - A community meeting was conducted in June 2019 and May 2022
 - A survey concerning mitigation measures was conducted during Summer 2019 and Summer 2022
 - October 2021, February and August 2022
 - Staff recommended priority improvements:
 - Priority 1: Concept 3A (Additional SB Lane on Lewinsville), Concept 5 (Exclusive LT Lanes on Great Falls/Lewinsville)
 - Priority 2: Concept 1 (3 Continuous Lanes on Route 123 EB), Concept 2 (3 Continuous Lanes on Route 123 EB at Great Falls/Lewinsville)
 - Priority 3: Concept 7 (Option Lane to WB Route 123/267), Concept 8 (Extended WBT Lane at Great Falls/Lewinsville)





FY 2023 Revenues Collected and FY 2024 Rate Recommendation

Service District Revenues to Date

	Total	Taxes Collected	Interest
FY2014-2022	\$62,854,444	\$61,442,786	\$1,411,658
FY2023 ¹	\$9,187,686	\$8,677,937	\$509,750
Total ²	\$72,042,130	\$70,120,723	\$1,921,408
Currently Allocated to Projects	(\$39,197,116)		
Available Project Funds ³	\$32,845,015		

[1] As March 29, 2023.

[2] The total Service District revenue obligation is \$315.9 million (2021 dollars). Approximately 22.8% has been collected as of March 29, 2023

[3] Funding available to construct projects currently in preliminary engineering or design.

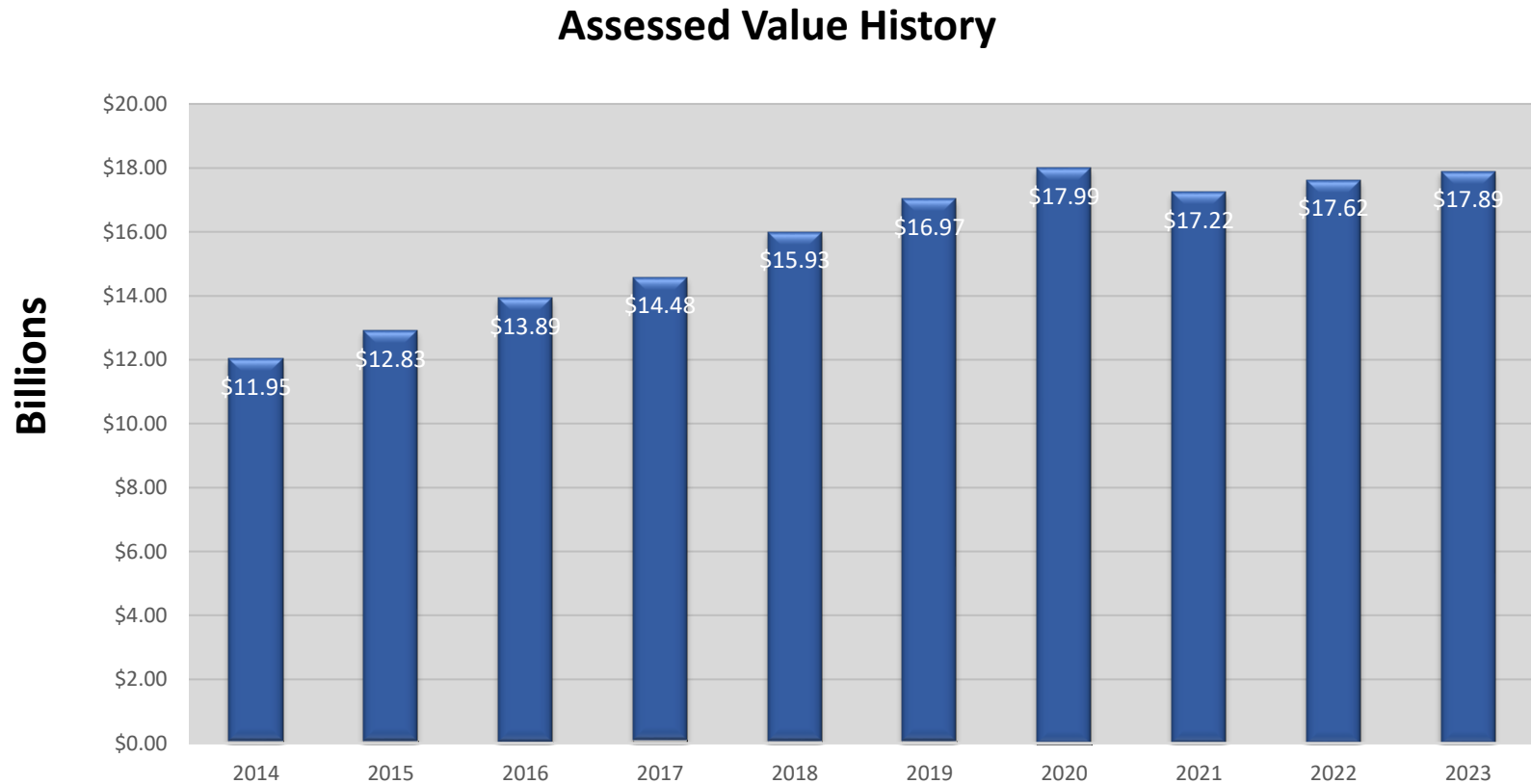
Service District Allocations to Date

Approved Service District Funds		Expended through March 1, 2023
Route 7 Widening (I-495 to I-66) ¹	\$10,500,000	\$53,043
Tysons/Old Meadow Ped Bridge (over I-495) ²	\$4,612,586	\$4,612,586
Route 7 Widening (Route 123 to I-495) ¹	\$10,000,000	
Route 123 Widening (Old Courthouse Road to Route 7) ¹	\$2,250,000	
Route 123 Widening (Route 7 to I-495) ¹	\$2,000,000	
Route 7 Widening (DTR to Reston Ave) ¹	\$8,834,530	\$8,834,530
Greensboro Ramp to Dulles Toll Road ¹	\$1,000,000	\$521,195
Total	\$39,197,116	\$14,021,354

¹ These projects are funded using multiple sources, and other sources may be used first.

² Allocated Service District revenues fully expended.

Assessed Value History



- 1.52% increase from 2022 to 2023
- Close to returning to 2020 levels.

Year to Year Comparisons

	2022	2023
Assessed Value (AV)	\$17.618 billion ⁺	\$17.887 billion ⁺⁺
AV Growth over prior year	2.34%	1.52% ¹
Tyson's District Tax Rate Per \$100 AV	\$0.05 ²	\$0.05 ^{2,3}
Dulles Rail Phase I Tax Rate Per \$100 AV	\$0.09	\$0.09 ³
Combined Tax Rate Per \$100 AV	\$0.14	\$0.14

+ - AV as of January 1, 2022.

++ - AV as of January 1, 2023.

[1] Equalization and growth.

[2] Service district rate held flat at \$0.05 and approved by the BOS on May 5, 2022.

[3] No change recommended for FY 2024.

Staff Recommendations

➤ Voting Items:

- Staff recommends holding the rate flat at \$0.05 in FY 2024

➤ Informational Items:

- Follow-up requests from advisory board members?

Next Steps

- Action: Vote on rate recommendation to the Board
- Staff request that the FY 2024 letter of recommendation to the Board of Supervisors by April 7th
- Public Hearings to be held April 11-13, 2023
- Board adoption of the FY 2024 budget on May 9, 2023
- Staff follow up on requested information



Questions?