



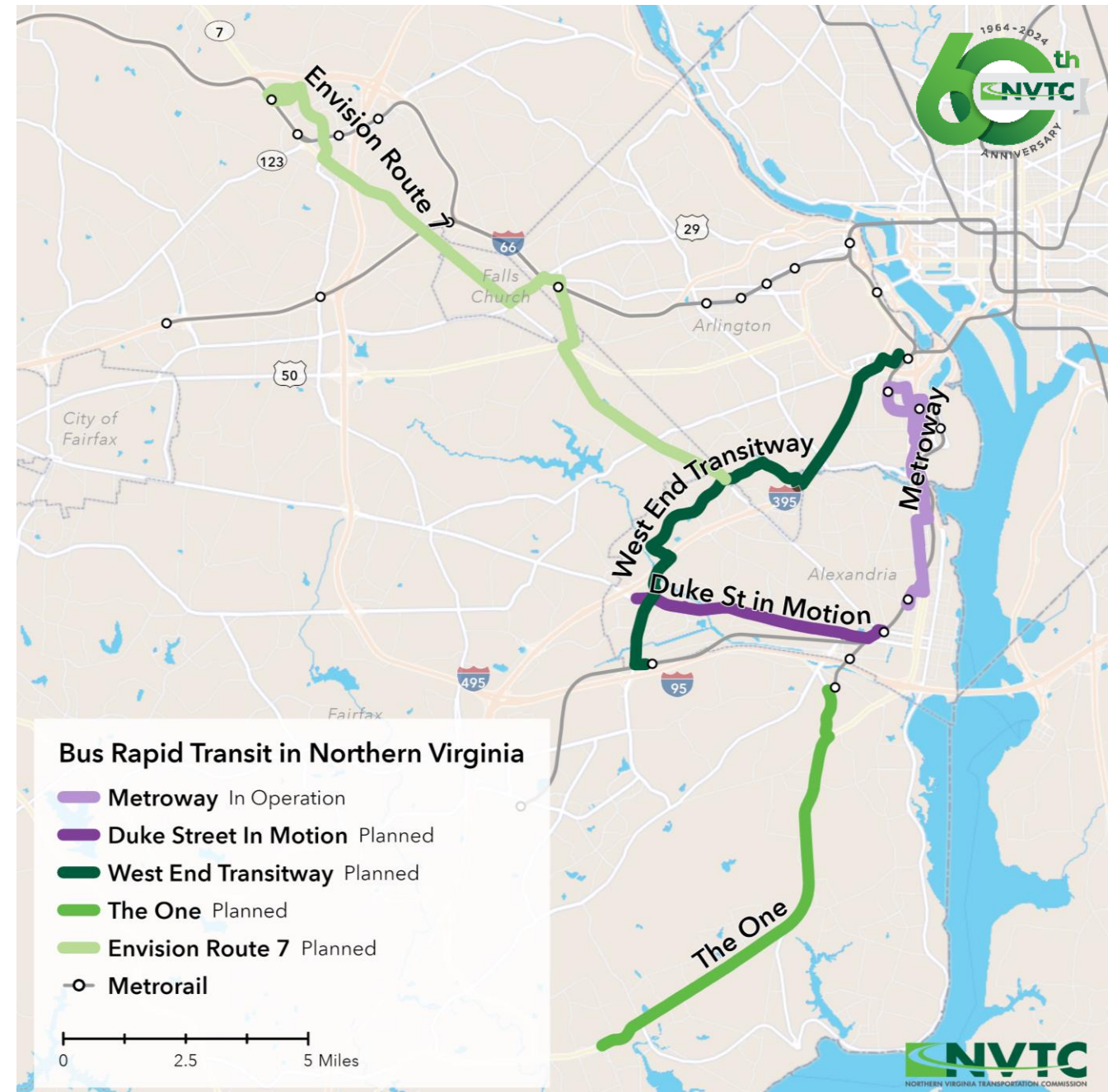
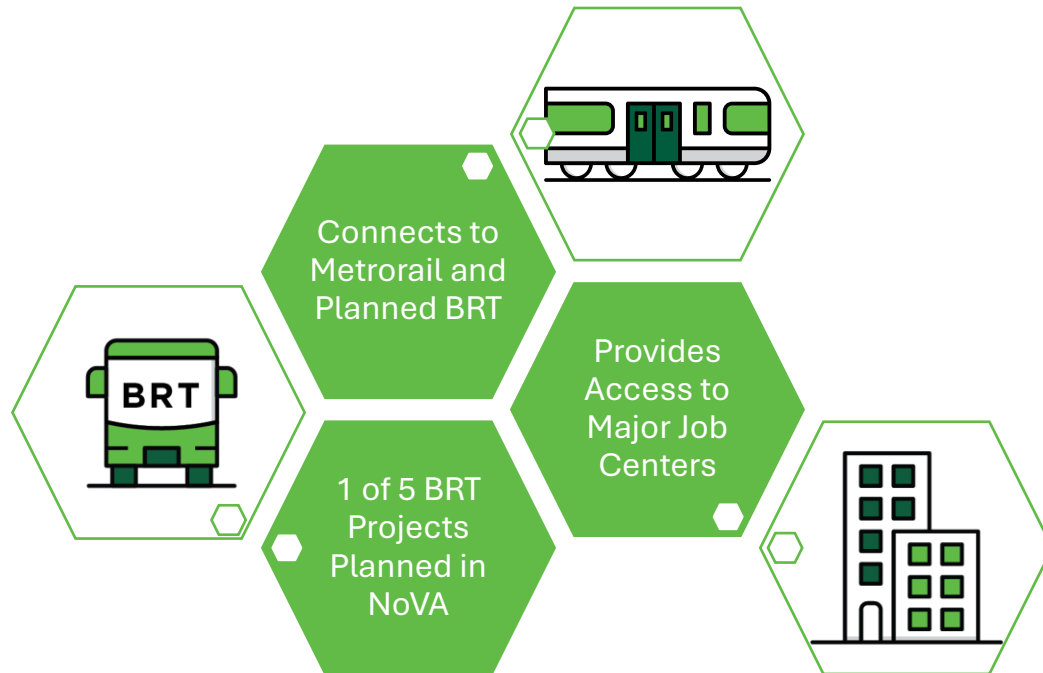
Envision Route 7 BRT Strategic Implementation Plan

June 18, 2024

Allan Fye
Director of Programs and Policy

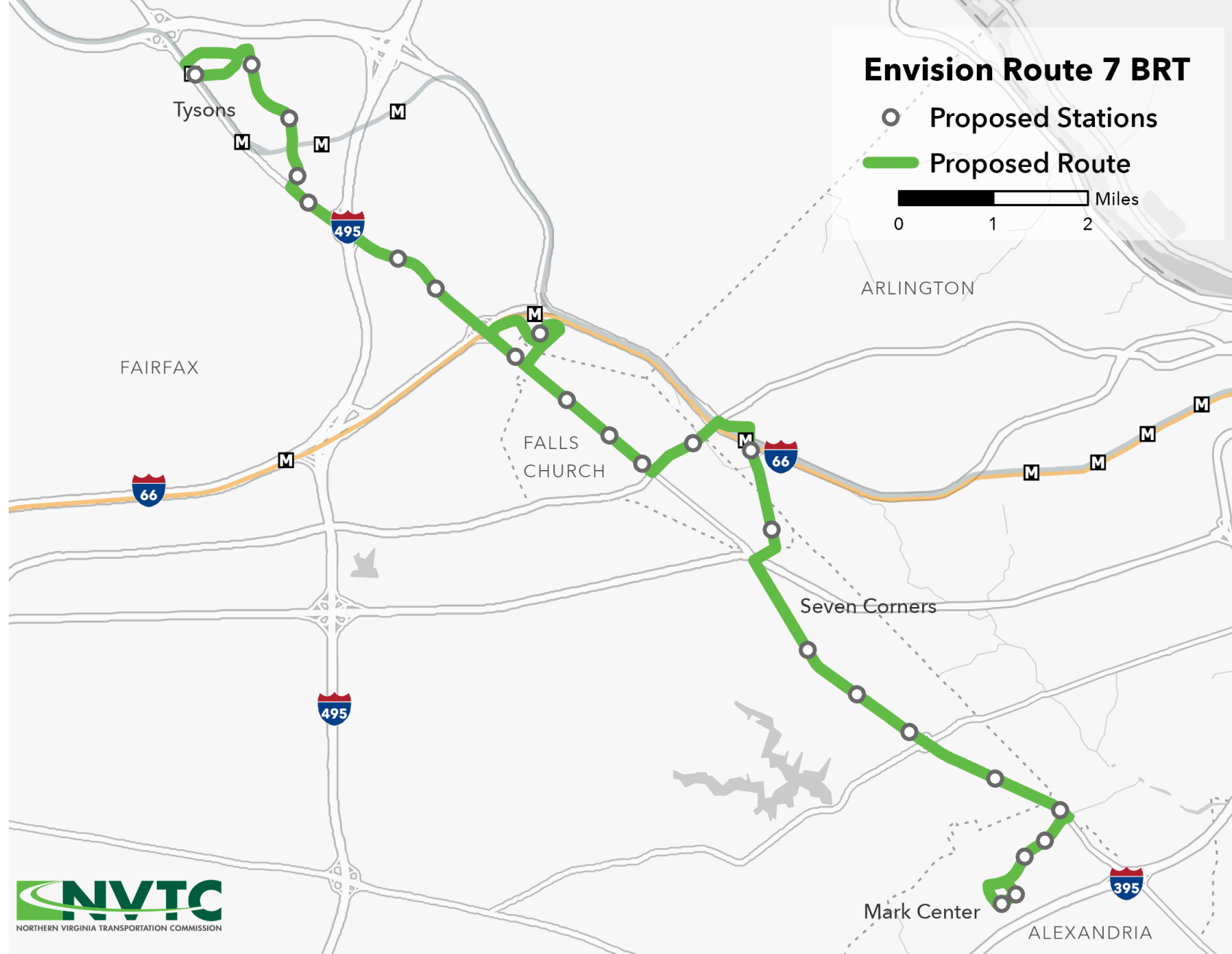
Vikram Sinha
Senior Program Manager

Regional Context: Part of NoVA's Expansive Transit Network



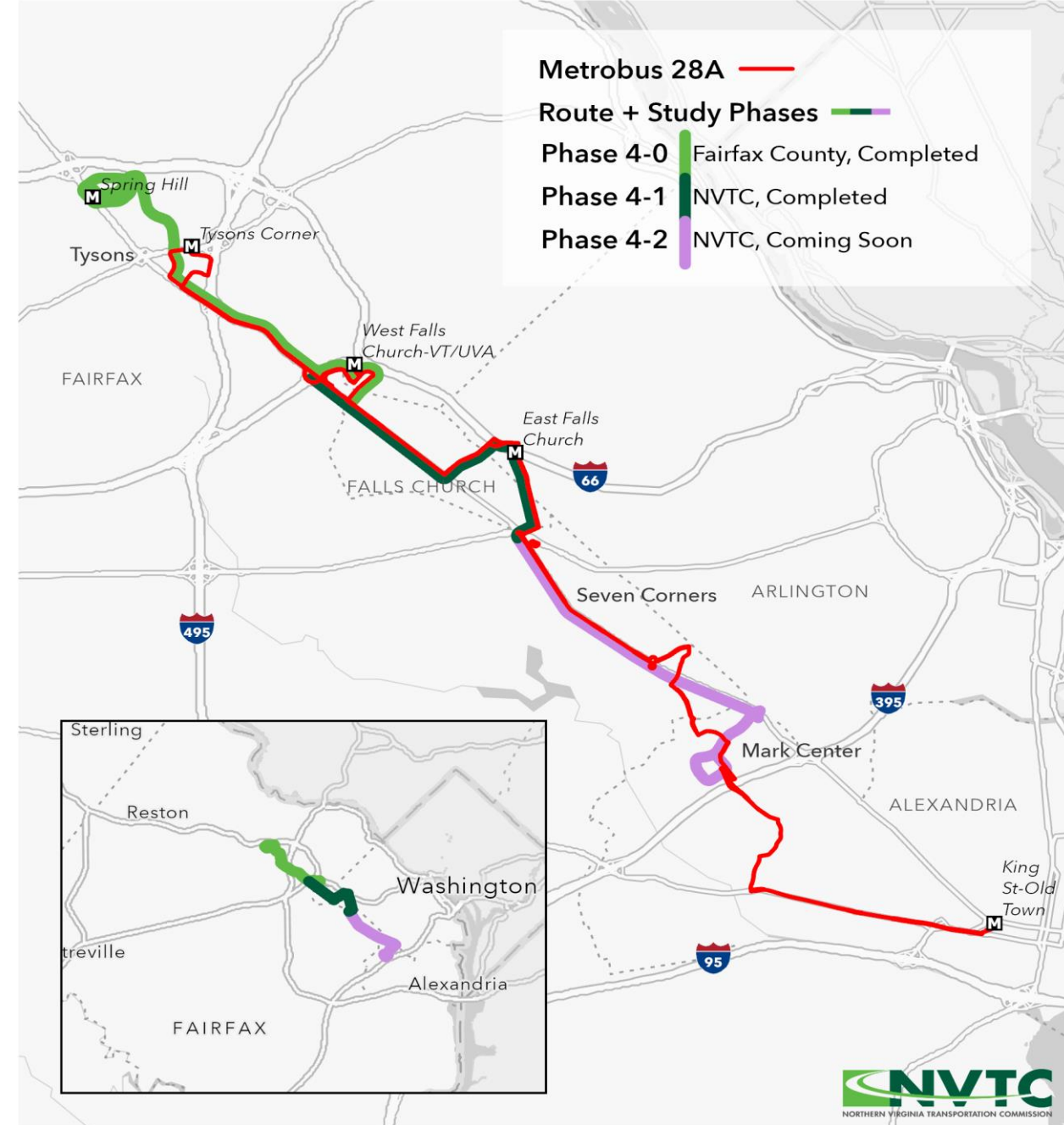
The Vision: BRT on Route 7

- 14 miles
- Tysons (Spring Hill Metro) to Falls Church (linking West and East Falls Church Metro stations), Seven Corners, Bailey's Crossroads and Mark Center (linking West End Transitway)
- Frequent, high-capacity service with amenities
- Connects to three Metrorail stations



Today: Route 7 has thriving Metrobus service

- Frequent Service
 - Metrobus 28A runs every 12-minutes (8am – 8pm) and 30 minutes (evening)
- Strong Ridership
 - 7,741 daily riders (April 2024)
 - Ridership on the 28A is 67% above pre-pandemic levels
 - 9th highest ridership in the Metrobus system (April 2024)
- Connects to Metrorail Stations
 - Spring Hill
 - Tysons Corner
 - West Falls Church
 - East Falls Church
 - King Street



Proposed Approach: Transform the 28A into BRT



**Layer bus
Improvements &
Increase Frequency**

In Operation



**Transit
Strategic
Planning**

NEPA

Design

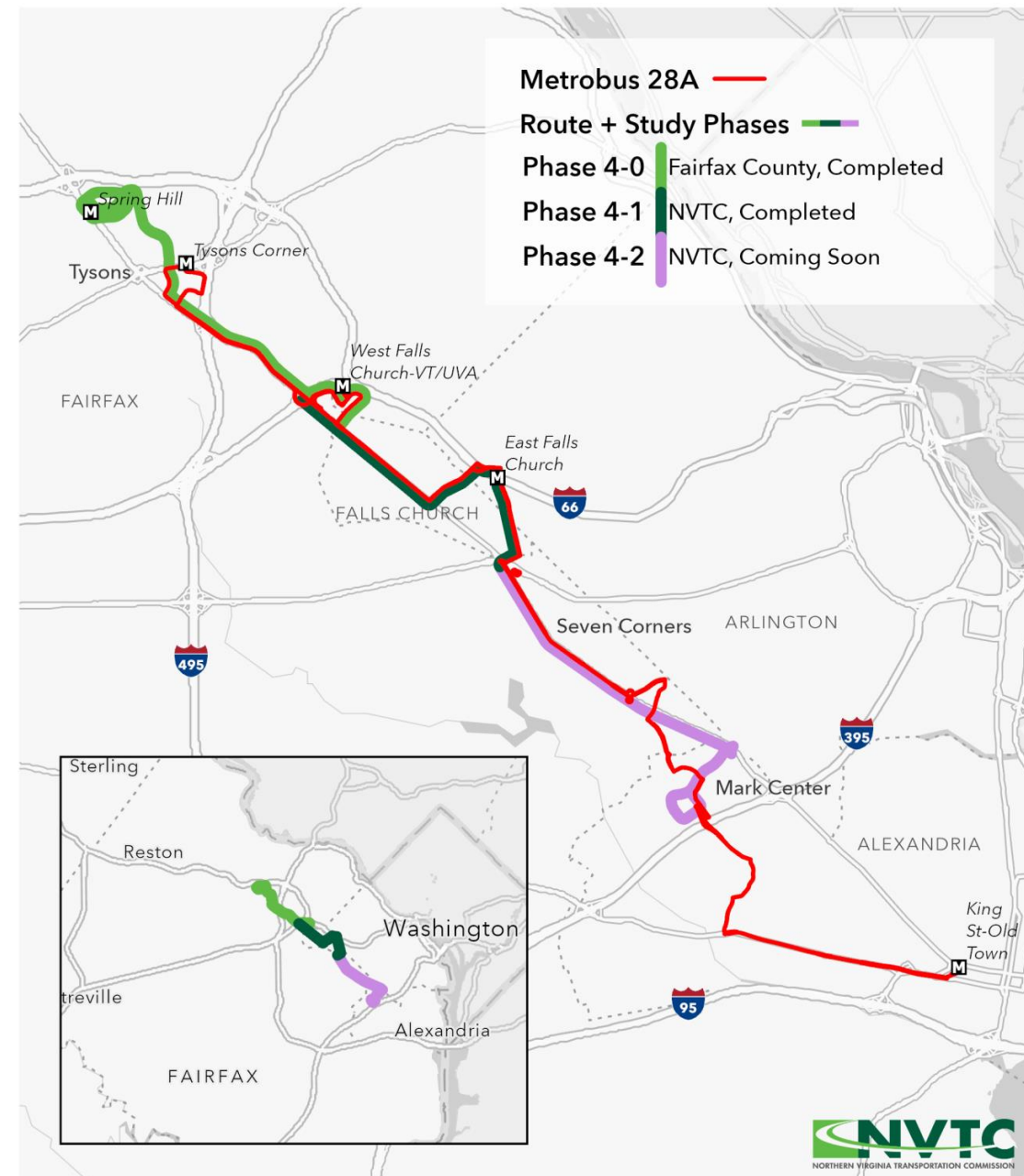
Construction

In Operation

- Short-term, phased enhancements (service and infrastructure) that build toward long-term vision
- Context sensitive, multi-modal treatments that support local needs and expectations
- Increase the efficiency of bus service and enhance passenger experience
- Better bus service can be achieved in advance of a major capital project

NVTC's Envision Route 7 BRT Strategic Implementation Plan

- **Concurrent efforts:**
- **Layered Bus Improvements**
 - Identify and implement targeted bus improvements along the corridor (partner jurisdiction)
 - Transit Signal Priority, queue jump lanes, bus stop improvements, traffic signal optimization
- **BRT Planning**
 - Complete planning (Phase 4-2) and coordination (NVTC)
 - Advance major capital project planning for Phase 4-0 (Fairfax County led from Spring Hill Metro to I-66)
- **The Strategic Implementation Plan will be a living document**



Layer Bus Improvements Over Time

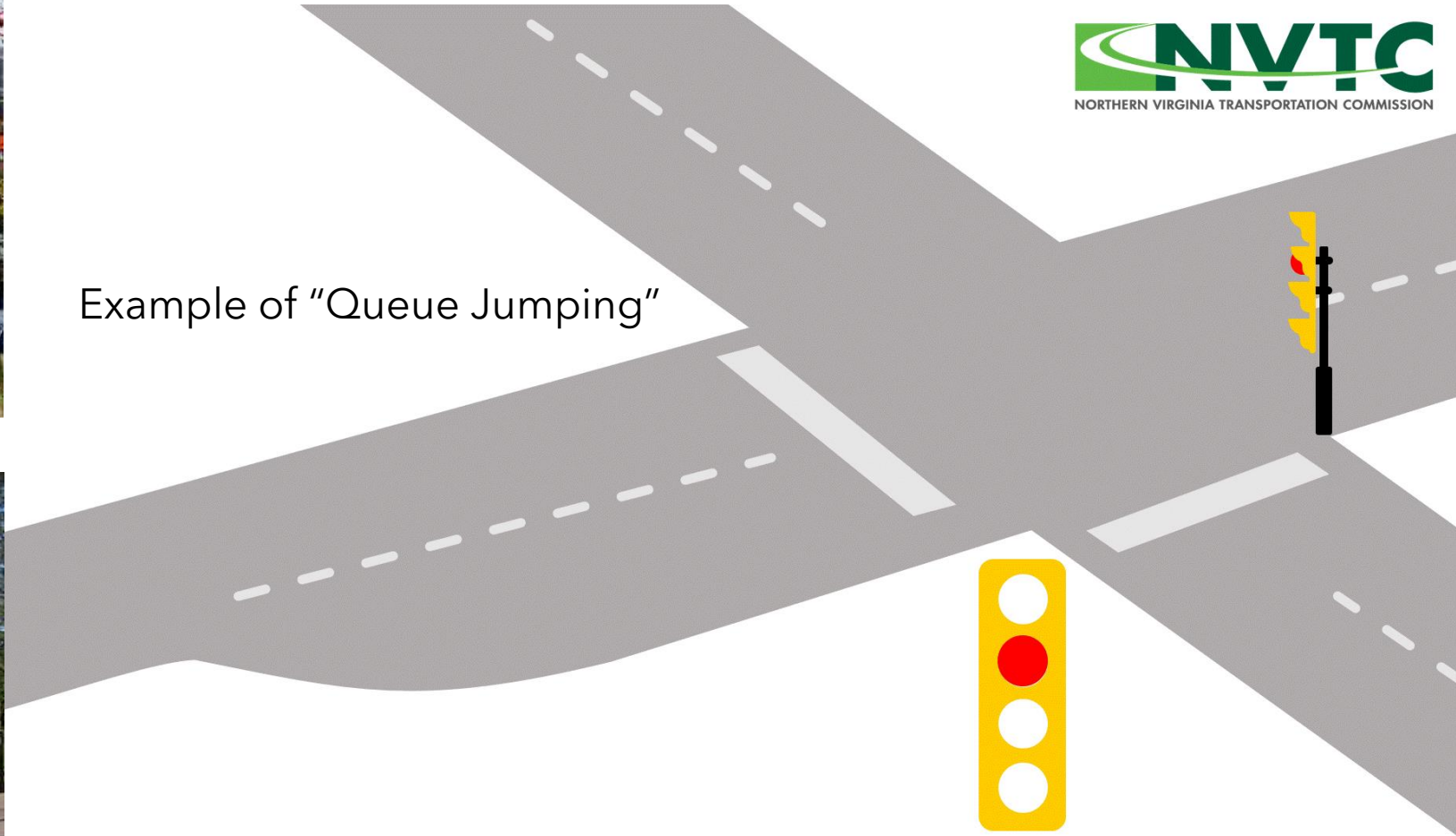


Credit: flickr user BeyondDC



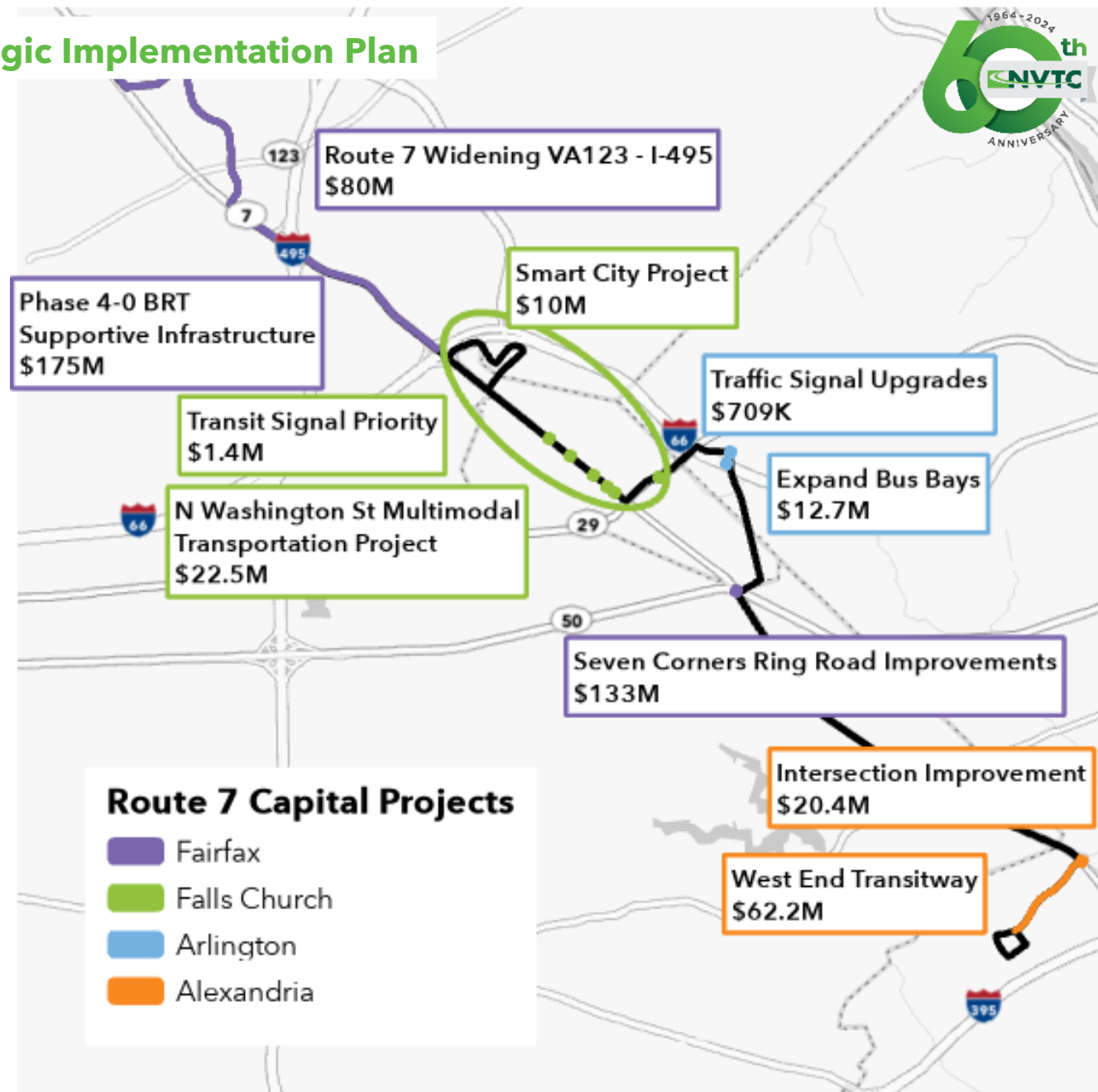
Credit: Greater Greater Washington

Example of "Queue Jumping"



\$518M in capital projects in the pipeline that support Route 7 BRT

- Roadway widening
- Transit signal priority and upgrades
- Intersection improvements
- BRT-supportive infrastructure improvements

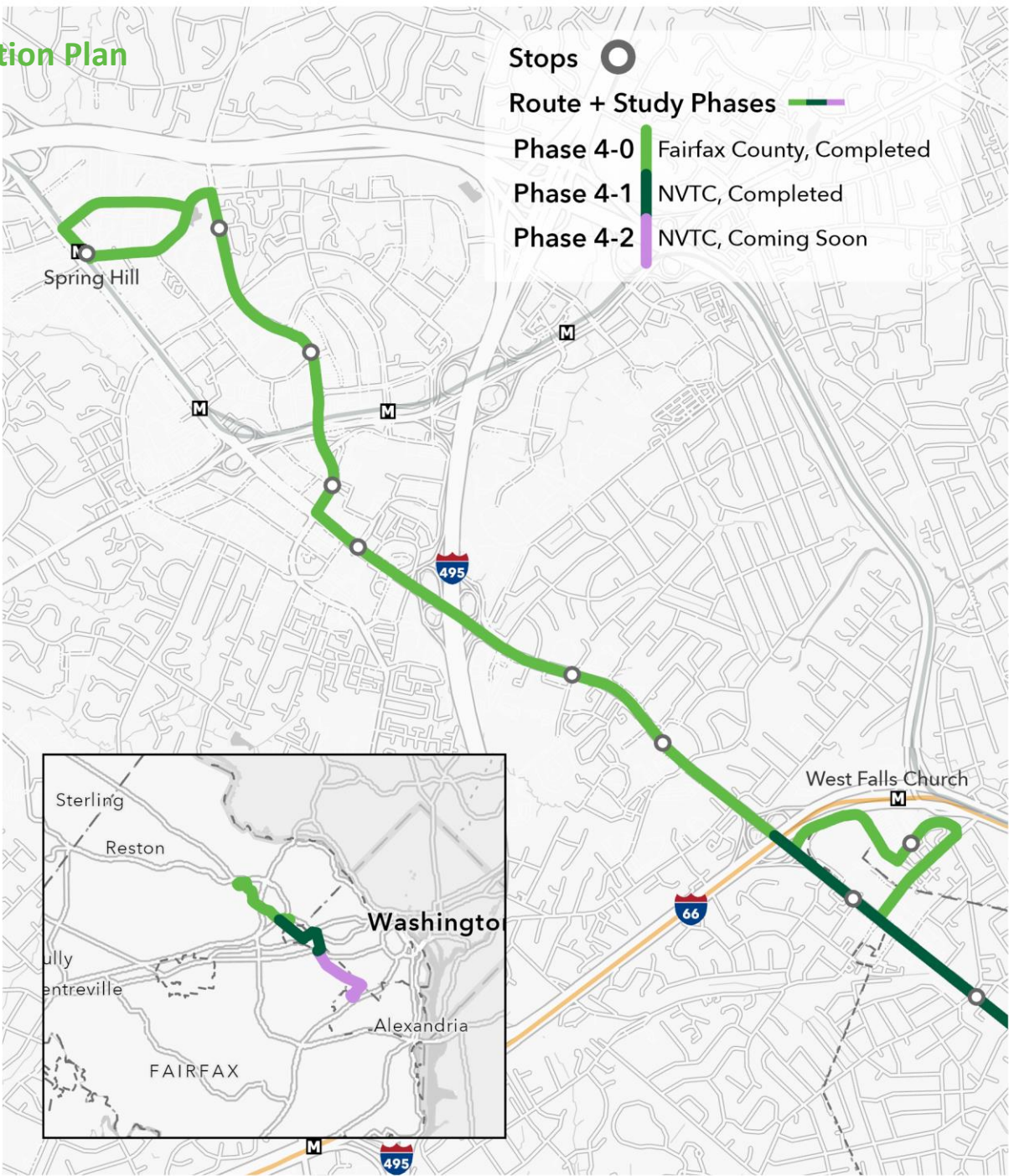


Fairfax County

Strategic Implementation Plan Actions

- Coordinate with NVTC for environmental analysis of Phase 4-0 and analyze Right-of-Way impacts and lane configuration along the BRT corridor
- Advance transportation improvements in the Seven Corners area for all roadway users

Capital Funding Applied		
Project	Amount	Source
Route 7 widening for Future BRT (Route 123 to I-495) <ul style="list-style-type: none">• Design of BRT and bike/pedestrian facilities	\$80 M	NVTA 70% Funds
Route 7 BRT Route 7, from West Falls Church to Spring Hill, via International Drive	\$175 M	NVTA 70% Funds
Seven Corners Ring Road Improvements	\$133 M	NVTA 70% Funds



Proposed Approach: NVTC's Envision Route 7 BRT Strategic Implementation Plan

BRT Planning: Phase 4

- Phase 4-0 integrates existing Fairfax County study with NVTC led studies for Route 7
- The mobility studies include the following study objectives:
 - Define the mobility benefits of BRT and facilitate an understanding of the BRT project and
 - Understand the operational impact of BRT along the study corridor
- Phase 4-1 bus priority recommendations is being integrated into Falls Church and Arlington jurisdiction transportation goals
- Phase 4-2 Mobility Analysis Study will examine the segment from Seven Corners in Fairfax County to the Mark Center in Alexandria



NVTC's Role






- Oversee execution of Strategic Implementation Plan
- Manage Federal Community Project Funding and DRPT grant
- Scope out Environmental Analysis work
- Lead Phase 4-2 study that will initiate in Fall 2024 and subtasks:
 - Alexandria BRT southern terminus
 - Falls Church Analysis: BAT vs. HOV, queue jump layout/cross-section
- Provide coordination forum to resolve:
 - Sycamore/Roosevelt bus priority
 - Reconcile 28A and BRT alignments
 - Enable transit connectivity between Columbia Pike and Route 7 bus routes
- Updates will be provided to NVTC Commission (actions), NVTC PAC/MAC & City/County boards

NVTC's Role: Fairfax County Engagement

- Coordinate project goals with Virginia DOT
- Work with FC Office of Public Affairs on language access and translation
- Scope out Environmental Analysis work
 - Phase 4-0 NEPA with FTA
 - VDOT coordination
- Lead Phase 4-2 study that will initiate in Fall 2024 and subtasks:
 - Comparison of NVTC Phase 3 and FCDOT cross section
- Provide coordination forum to resolve:
 - Sycamore/Roosevelt bus priority near Seven Corner's
 - Reconcile 28A and BRT alignments
 - Examine transit connectivity between Columbia Pike and Route 7 bus routes (Beyond Phase 4-2)



Federal and Regional Coordination

 National Capital Region Transportation Planning Board	 VIRGINIA DEPARTMENT OF RAIL AND PUBLIC TRANSPORTATION	 Federal Transit Administration		
Include Envision Route 7 in regional Transportation Improvement Plan (TIP) in April 2024	Sponsor study efforts in TIP until handoff to jurisdictions to lead their implementation efforts	Continue discussion around funding opportunities and partnership	Collaborate with Northern Virginia Transportation Authority (NVTA) on BRT Preliminary Deployment Plan (PDP)	Incorporate NVTC BRT alignment into Bus Network Redesign effort.
Key partner to enable use of federal funds for Envision Route 7	Potential funding partner for implementation	Potential funding partner for implementation	Potential funding partner for implementation	Investigate feasibility of higher frequency bus service
		Support NVTC NEPA and planning scoping efforts		Identify solutions for pain points to improve bus service

Proposed Approach: NVTC's Envision Route 7 BRT Strategic Implementation Plan

Next Steps



Spring /
Summer
2024

- Brief Fairfax County Transportation Committee (June)
- Ongoing Coordination with Key Partners: DRPT, FTA, VDOT, MWCOG, NVTA, and NVTC Jurisdictions
- Activate Federal funding with FTA

Fall 2024

- Release RFP for Phase 4-2 Analysis (Seven Corners to Alexandria)
- Ongoing Engagement with Key Partners: DRPT, FTA, VDOT, MWCOG, NVTA, and NVTC Jurisdictions
- Commission acceptance of Strategic Implementation Plan

Winter 2024

- Award Contract for Phase 4-2 Analysis
- Integrate Bus Priority Treatments in jurisdiction planning efforts
- Ongoing Engagement with Key Partners: DRPT, FTA, VDOT, MWCOG, NVTA, and NVTC Jurisdictions

Thank You

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Appendix

Agile Planning for Envision Route 7

