

NVTC Commission Meeting

December 3, 2020

The meeting will start momentarily.



KATIE CRISTOL
NVTC CHAIR
ARLINGTON COUNTY



CANEK AGUIRRE
NVTC VICE CHAIR
CITY OF ALEXANDRIA



JEFFREY MCKAY
NVTC SECRETARY-TREASURER
FAIRFAX COUNTY



MATTHEW LETOURNEAU
NVTC IMMEDIATE PAST CHAIR
LOUDOUN COUNTY

Meeting materials available at www.novatransit.org



Welcome by the NVTC Chair

- Virtual Meeting Guidelines
- Commission Roll Call to Establish a Quorum
- Identify Staff Participating in Meeting
- Overview of Agenda
- Opening Remarks

NVTC December 2020 Meeting Agenda

1. Opening Remarks
2. Consent Agenda
 - Resolution #2426 Finding Need to Conduct December 3, 2020 Meeting Electronically
 - Approve the 2021 Meeting Schedule
3. Approval of November 5, 2020 Meeting Minutes
4. Accept & Authorize Distribution of NVTC's FY 2020 Audited Financial Statements and Compliance Reports
5. Washington Metropolitan Area Transit Authority
 - Authorize Executive Director to Send 2020 Report on the Performance and Condition of WMATA to the Governor & General Assembly
6. Transit Technology
 - Presentation on 2021 Northern Virginia Regional Fare Collection Strategic Plan
7. Legislative Update
 - Approve NVTC's Draft 2021 Legislative and Policy Agenda
8. Virginia Railway Express
 - Five Action Items
9. Department of Rail and Public Transportation
 - Presentation on the I-395 American Legion Bridge Transit/TDM Study
10. NVTC Transit Resource Center
11. Executive Director Report

2. Consent Agenda

- A. Approve Resolution #2426: Finding Need to Conduct December 3, 2020 Meeting Electronically
- B. Approve the 2021 Meeting Schedule

Commission will be updated on any public comments received prior to the meeting.

3. Approve November 5, 2020 Meeting Minutes

ACTION ITEM: Approve the Meeting Minutes from the November 5, 2020 Commission Meeting



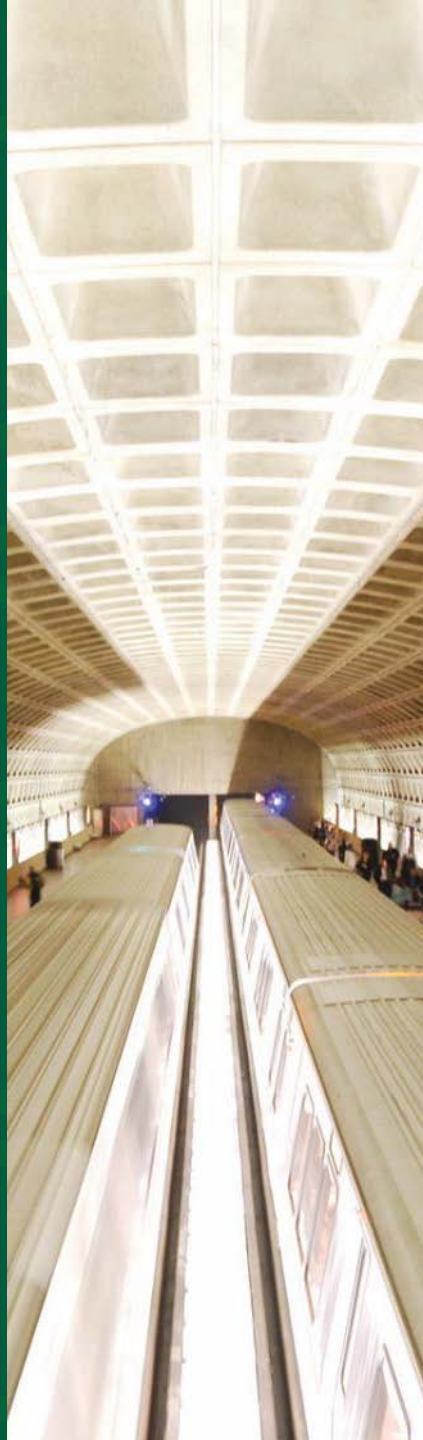
KATIE CRISTOL
NVTC CHAIR
ARLINGTON COUNTY

4. ACTION ITEM: Accept & Authorize Distribution of NVTC's FY 2020 Audited Financial Statements and Compliance Reports



SCOTT KALKWARF
DIRECTOR OF FINANCE &
ADMINISTRATION

- PBMares issued unqualified (clean) opinion that NVTC's financial statements fairly and accurately present the financial position of NVTC
- Also issued a clean report on NVTC's internal financial controls



5. WMATA

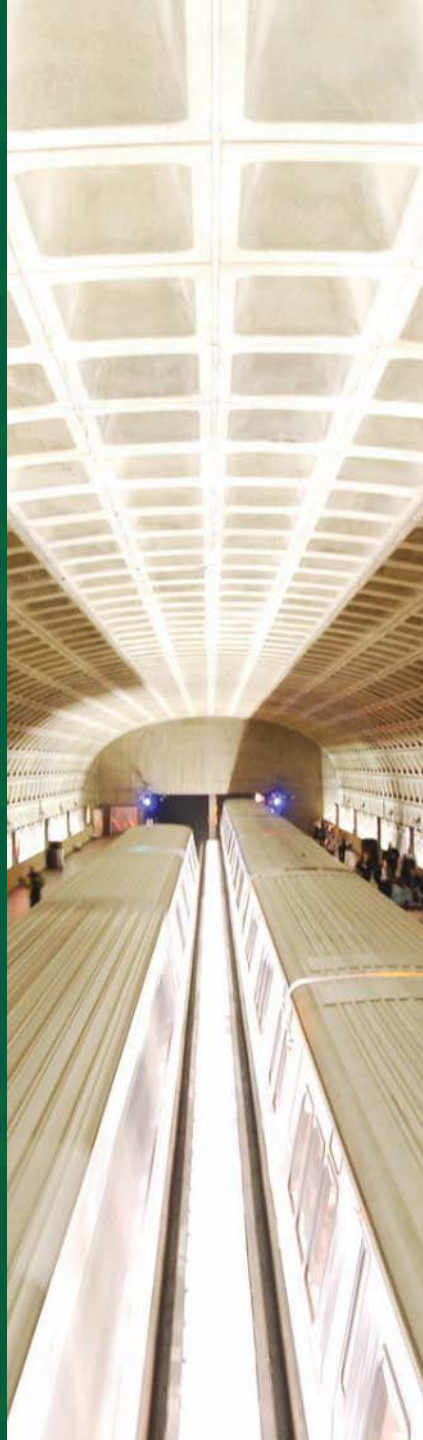
- A. WMATA COVID-19 Response
- B. Report from the Virginia WMATA Board Members
- C. Other WMATA News





CANEK AGUIRRE

NVTC VICE CHAIR
NVTC WMATA COMMITTEE CHAIR
CITY OF ALEXANDRIA



5. WMATA (continued)

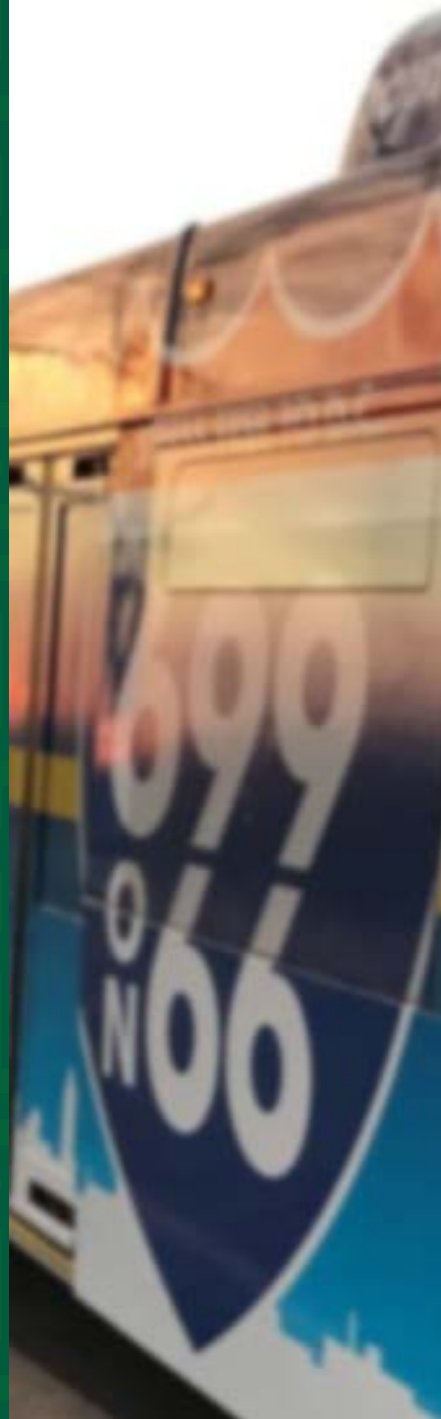
D. Report from the Chair of the NVTC WMATA Committee

- ACTION ITEM: Authorize the Executive Director to Send NVTC's 2020 Report on the Performance and Condition of WMATA to the Governor and the General Assembly



PATRICIA HAPP

TRANSIT TECHNOLOGY PROGRAM
MANAGER



6. Transit Technology Program

Presentation: 2021 Northern Virginia Regional Fare Collection Strategic Plan

Proposed Strategic Plan

Regional Fare Collection Vision Statement:

Northern Virginia transit systems envision an enhanced regionally-integrated fare collection system with local flexibility to meet evolving customer expectations.

- Establishes **goals and objectives for NVTC's support** of regional partners in maintaining and modernizing fare payment and collection technology
- Provides a **shared vision with local flexibility** for regional fare collection in the region
- Considerable **changes in the region** since original plan adopted in 2018—update needed to align with new and emerging transit agency needs

1. Strategic Plan Overview

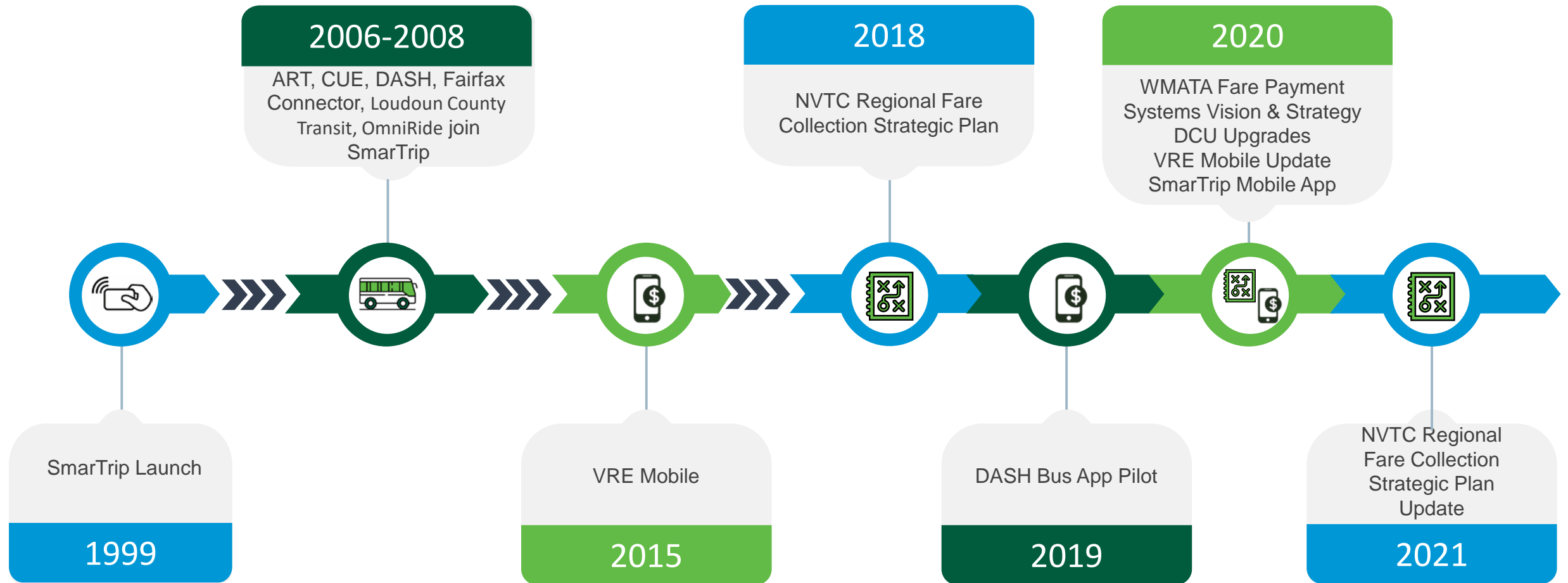
2. NVTC Support Actions

3. Regional Progress, Challenges, & Opportunities

4. Next Steps



Regional Fare Collection History



Plan Overview

✓ **Key Takeaway: Continued levels of NVTC support are needed to coordinate the enhancement of regional fare collection systems**

NVTC Support Actions

Identify NVTC’s role in implementing of fare collection initiatives as aligned with other regional initiatives

Immediate
Through
CY 2021

Near-term
Through
CY 2022

Long-term
Beyond
CY 2022

Cross-Cutting Needs

- Increase ease of use and improve customer experience
- Keep pace with technology and customer expectations
- Expand fare payment options equitably

1. Strategic Plan Overview

2. NVTC Support Actions

3. Regional Progress, Challenges, & Opportunities

4. Next Steps



Proposed NVTC Support Actions

The **2021 Northern Virginia Regional Fare Collection Strategic Plan** proposes the following actions for NVTC's support:

Immediate Through CY 2021	A.	Continue Farebox State of Good Repair
	B.	Support Immediate Mobile Payment Needs
	C.	Facilitate Information Exchange on Installation of Bus Operator Safety Barriers
Near-term Through CY 2022	D.	Coordinate and Support New Farebox Procurement and Implementation (Including Rear-Door Payment and All-Door Boarding)
	E.	Coordinate and Support Procurement of Off-Board Fare Collection System
	F.	Coordinate and Support Fare Capping Implementation Analysis
	G.	Monitor Mobile Payment Trends
	H.	Coordinate, Support and Market New Fare Products and Programs
Long-term Beyond CY 2022	I.	Coordinate and Support Expansion of Retail Network
	J.	Coordinate and Support Planning for Contactless Open Payments
	K.	Coordinate and Support Upgrades to WMATA's Back Office System
	L.	Coordinate and Support Integration of VRE with SmarTrip
	M.	Coordinate and Support SmarTrip App Enhancements

Challenges and Opportunities Ahead

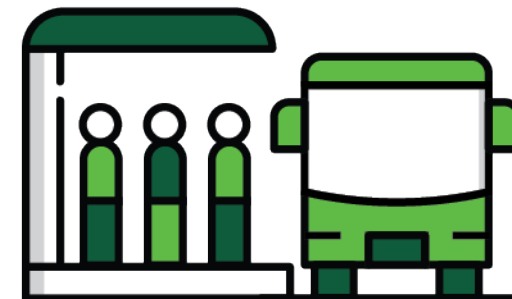
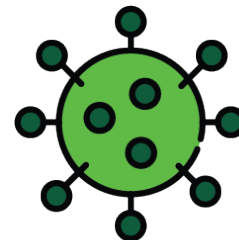
Covid-19 public health emergency challenges

- Paused fare collection
- Reduced fare revenue
- On-board customer interactions
- Shared payment equipment



New opportunities through fare payment improvements

- Growing demand for mobile and contactless payments
- Modernization of back office software
- Multimodal trip planning and payment
- Touchless technologies



1. Strategic Plan Overview

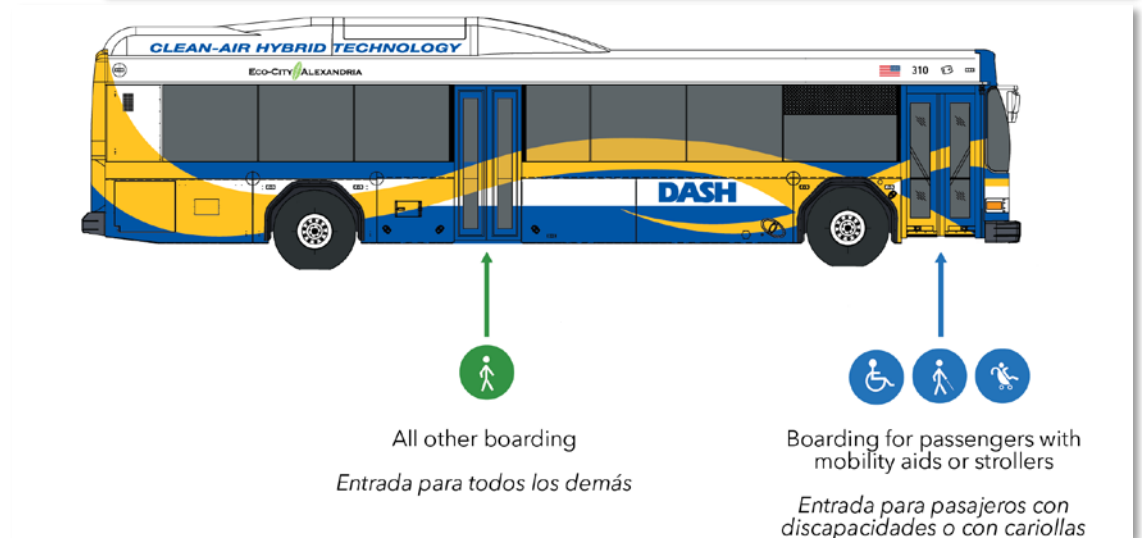
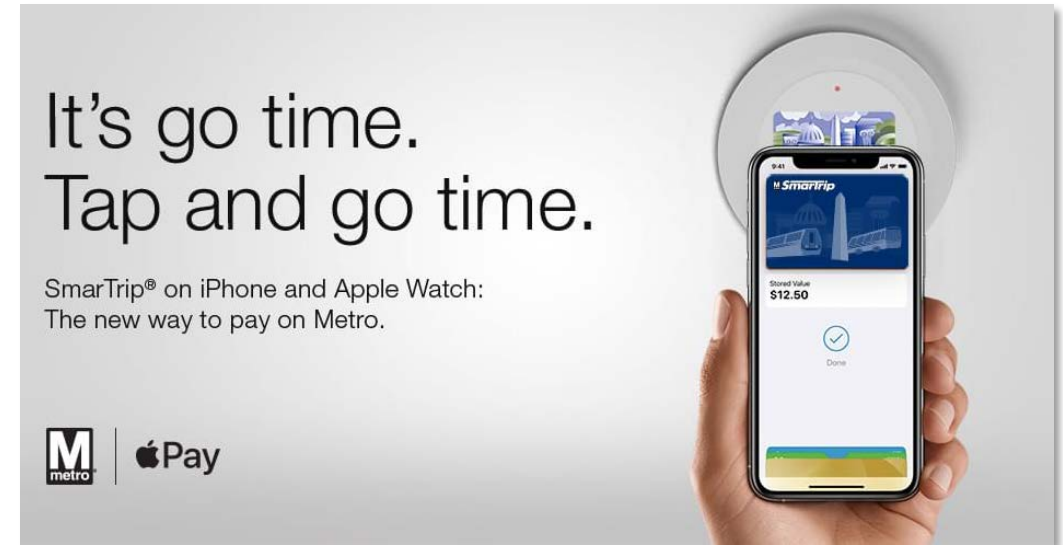
2. NVTC Support Actions

3. Regional Progress, Challenges, & Opportunities

4. Next Steps

Accomplishments Since 2018 Strategic Plan

- ✓ Maintenance and rehab of aging fareboxes
- ✓ WMATA Fare Payment Vision and Strategy
- ✓ DASH Bus App pilot and VRE Mobile upgrade
- ✓ SmarTrip App and mobile wallet
- ✓ Accelerated innovation to address the Covid-19 public health Emergency– rear-door payment validation, SmarTrip App



Next Steps

Commission action

- January 2021 NVTC action on the 2021 Regional Fare Collection Strategic Plan

Assessment

- Measure progress and report to partners and Commission on a regular basis
- Implement plan while maintaining flexibility to adapt to changes in policy, technology and funding



1. Strategic Plan Overview
2. NVTC Support Actions
3. Regional Progress, Challenges, & Opportunities
4. Next Steps



DAVID MEYER

CHAIR, LEGISLATIVE AND POLICY
COMMITTEE



7. Legislative Update

- A. Report from the Chair of the Legislative and Policy Committee
 - ACTION ITEM: Approve NVTC 2021 Legislative and Policy Agenda
- B. Federal Update
- C. Annual Joint NVTC-PRTC Legislative Briefing

8. Virginia Railway Express

A. VRE Commission Orientation



RICH DALTON
CHIEF EXECUTIVE OFFICER
VIRGINIA RAILWAY EXPRESS



Virginia Railway Express Orientation



Presented by
Rich Dalton
Virginia Railway Express CEO
December 3, 2020
via Webex

VRE Orientation

A 2015 management audit recommended that VRE annually brief members of its two parent Commissions on their roles as owners of the commuter rail service. Tonight's overview will touch on the following:

- Governance
- What We Are Known For
- Operations
- Equipment
- VRE's Future



VRE Governance

- Joint project of NVTC and PRTC.
- Commissions own VRE but delegate many actions to the Operations Board through the VRE Master Agreement.
- The Operations Board consists of Commission board members from VRE jurisdictions plus the chairman of the Commonwealth Transportation Board or designee.



VRE Governance

The Commissions have retained approval authority for:

- Amendments to the Master Agreement
- Hiring and termination of the Chief Executive Officer
- Statewide and federal grant applications
- Approval of legislative agendas
- Approval of strategic plan
- Sale or purchase of real property and equipment in the Commissions' name
- Agreements pertaining to operations and insurance.
- Other major policies, such as terms for new entrants
- Other actions reserved for the Commissions by the Master Agreement, such as approving annual budgets/six-year financial plans.



What We Are Known For

- Safe and Healthy Operations
- High Customer Satisfaction
- Quality Service
- Reliable Service
- Strong Partnerships



Operations

Service (Pre-Pandemic)

- 82 route miles of leased track
- 2 lines
 - Fredericksburg
 - Manassas
- 16 trains daily on each line
- 19 stations
- 5 stations connect to Metrorail

Staff

- 50+ at headquarters/warehouse
- 140+ contracted employees
 - Operations (Keolis)
 - Maintenance (Keolis)
 - Station upkeep (Fresh Air)



Equipment



20 MP36
diesel-electric
locomotives



49 Gallery IV
trailers with restrooms
(132 seats)

30 Gallery IV
trailers without restrooms
(144 seats)



21 Gallery IV
cab cars
(123 seats)

VRE's Future

Virginia's visionary \$3.7 billion infrastructure improvement program will separate freight and passenger rail, enhancing VRE service reliability and allowing for longer and more frequent trains. When the 10-year plan is fully implemented, VRE can explore adding bi-directional service.



8. Virginia Railway Express (cont.)



B. VRE COVID-19 Response

C. VRE CEO Report and Minutes



8. Virginia Railway Express



**ELIZABETH BENNETT-
PARKER**
VICE CHAIR
VRE OPERATIONS BOARD



- E. VRE FY 2021 Budget Update
- F. Approve Resolution #2427: Accept & Authorize Distribution of VRE's FY 2020 Comprehensive Annual Financial Report (CAFR)
- G. Approve Resolution #2428: Approve the 2021 VRE Legislative Agenda
- H. Approve Resolution #2429: Authorize the VRE CEO to Execute an Agreement with the City of Manassas Park for the Design, Construction, Operation and Maintenance at the VRE Manassas Park Station
- I. Approve Resolution #2430: Authorize the VRE CEO to Execute an Agreement with the Virginia Passenger Rail Authority (VPRRA), or Alternatively the Department of Rail and Public Transportation for Later Assignment to the VPRRA, for Passenger Rail Operations and Access
- J. Approve Resolution #2431: Authorize the VRE CEO to Execute an Agreement with the Virginia Passenger Rail Authority (VPRRA), or Alternatively the Department of Rail and Public Transportation for Later Assignment to the VPRRA, for Passenger Rail Improvements and Funding

Agenda Item 8H

Virginia Railway Express



Presented by

Rich Dalton

Virginia Railway Express CEO

December 3, 2020

via Webex

Proposed Passenger Rail Operations/Access Agreement



Proposed Passenger Rail Operations/Access Agreement

- Operations
- Term
- Track Dispatching and Maintenance Fees
- Passenger Station Facility Lease
- Planned Improvements
- Planned Additional Service
- Indemnity/Liability/Default Provisions



Agenda Item 8I

Virginia Railway Express



Presented by
Rich Dalton
Virginia Railway Express CEO
December 3, 2020
via Webex

Proposed Passenger Rail Improvements and Funding Agreement

- Commuter Rail Operating and Capital (CROC) Fund
- CROC-Backed Debt
- CROC PAYGO Contribution
- Supported Program Elements
- Future Agreements



Proposed Passenger Rail Improvements and Funding Agreement



9. Department of Rail and Public Transportation



- A. DRPT Monthly Report
- B. Presentation: I-495 American Legion Bridge Transit/TDM Study
- C. Quarterly Updates on WMATA Reform



Virginia Department of Rail and Public Transportation

I-495 American Legion Bridge Transit and TDM Study Update

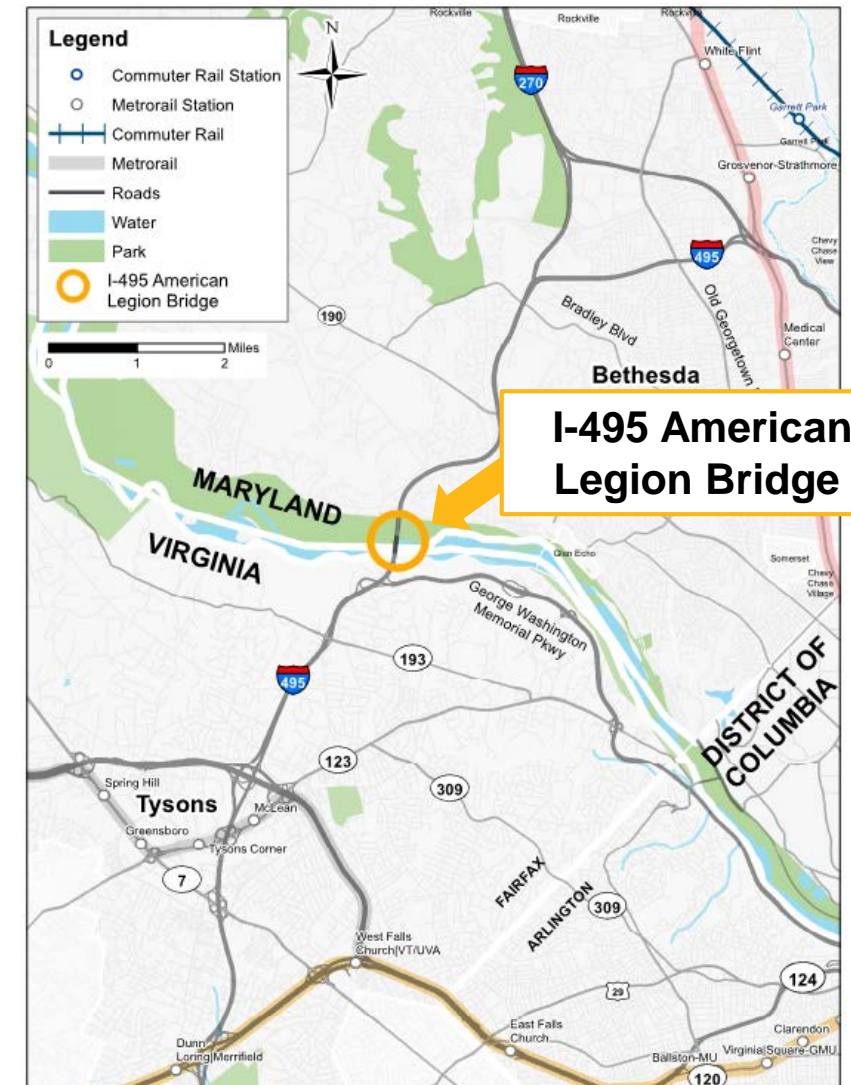
NVTC December Meeting

December 3, 2020

Jennifer DeBruhl, Chief of Public Transportation
Department of Rail and Public Transportation

Study Context and Focus

- **Fall 2019:** Governors Northam and Hogan announce Capital Beltway Accord to Rebuild American Legion Bridge and Connect Interstate Highway System
- **Complements** Virginia's I-495 NEXT and Maryland's Managed Lanes Study
- Funded and managed jointly by DRPT and MDOT-MTA, and is separate from improvement projects in the corridor.
- **This study's focus:** develop and prioritize transit options and travel demand management for bistate travel across the bridge



Study Team



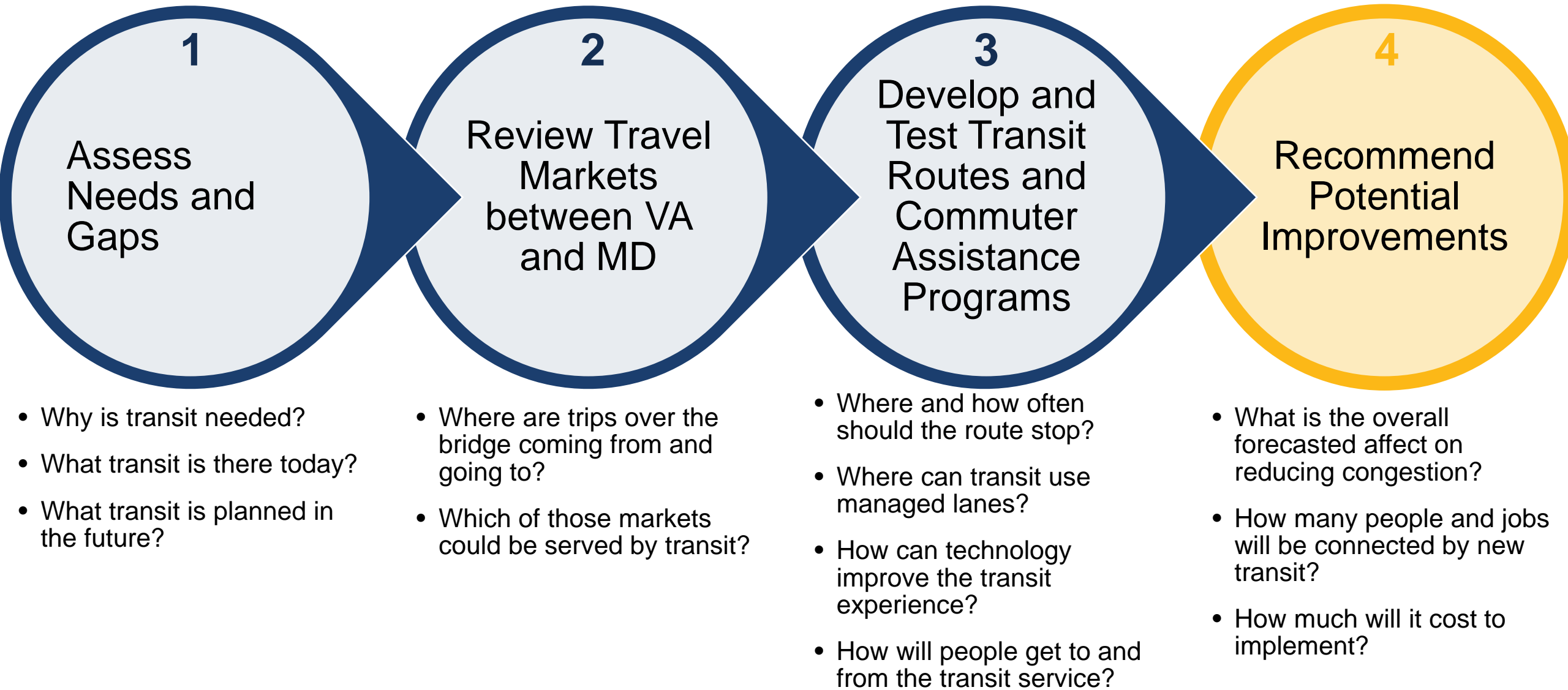
Stakeholder Team



Engagement Process

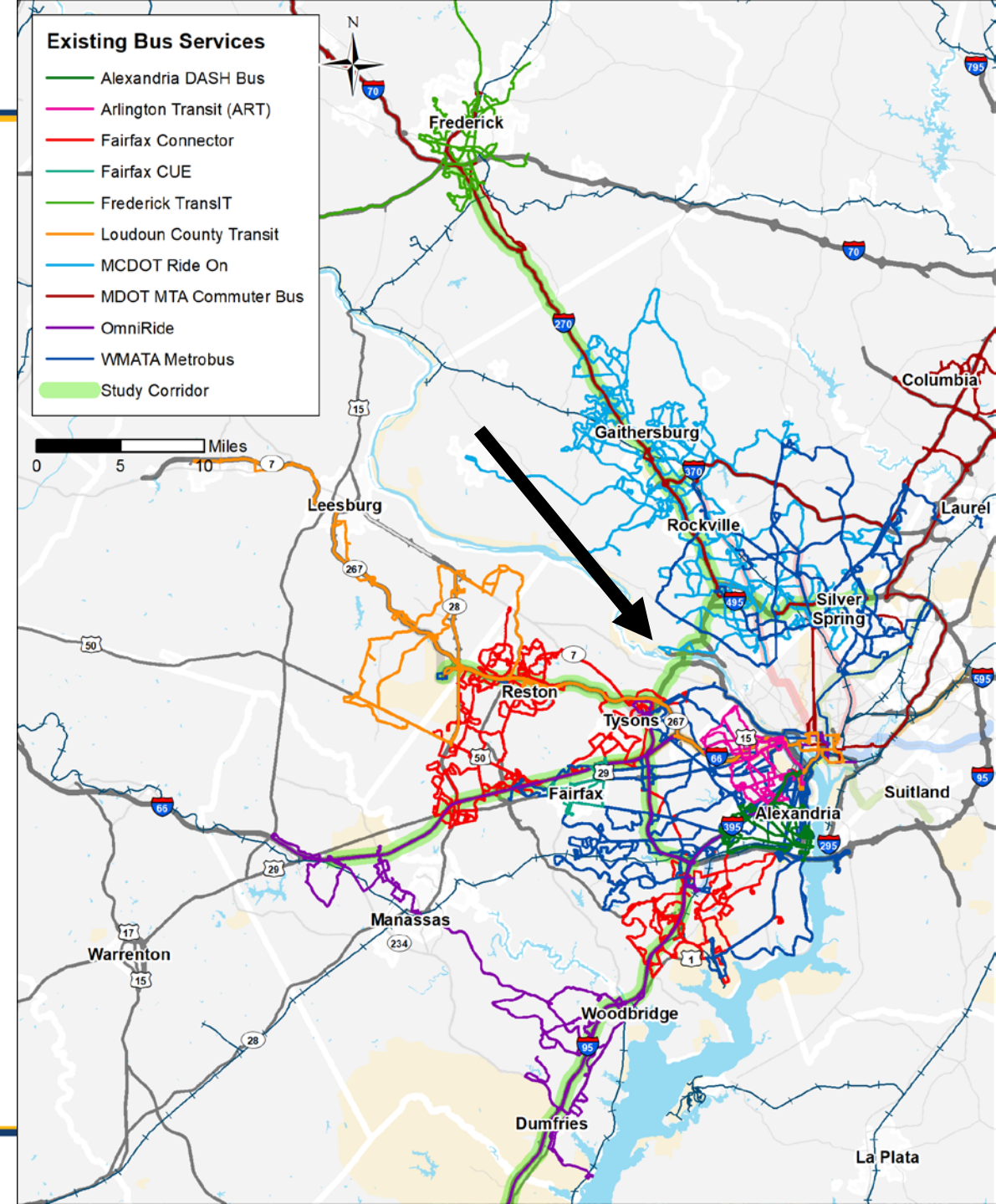
- Three Stakeholder Meetings held to date
 - July 16, 2020
 - August 28, 2020
 - October 16, 2020
- Upcoming Stakeholder Meeting scheduled for **December 11, 2020**
- Surveys
 - Survey 1: Purpose was to gain an understanding of commute choices in addition to driving alone. *Closed August 28, 2020*
 - Survey 2: Getting feedback on potential recommendations. *Ongoing*
- Keeping track of [the Study](#) is easy by connecting to DRPT's Major Initiatives Webpage
- The study webpage includes a [stakeholder comment link](#)

Study Process



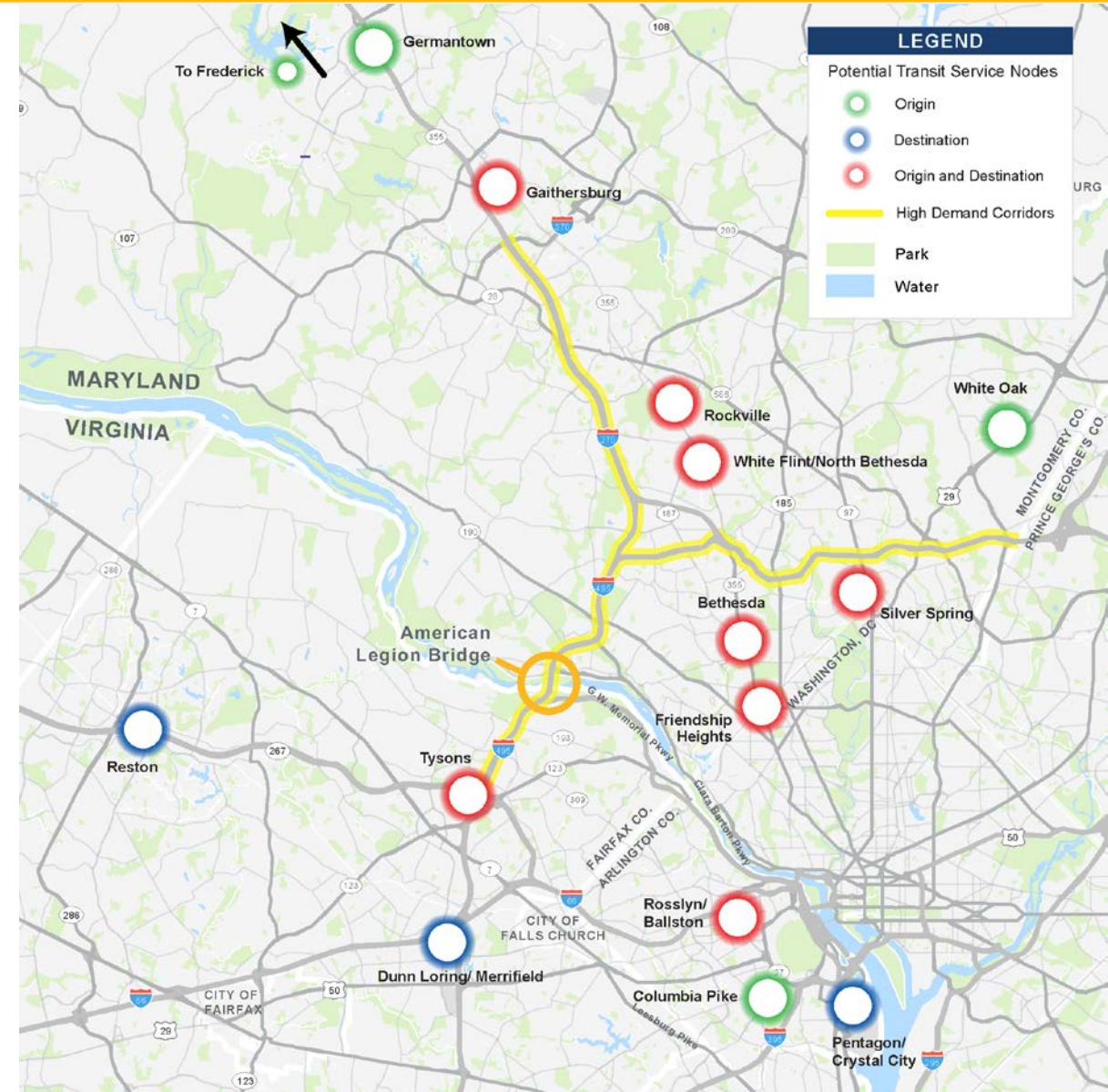
Existing Transit/Rail

- Abundance of local bus and commuter bus service to regional hubs
- Metrorail and VRE, MARC commuter rail
- No public transit service currently operating over the bridge



Travel Demand

- **High demand**
 - MD 355 Corridor and Silver Spring in MD to Tysons, Dunn Loring, and VA 7 corridor
- **Moderate demand**
 - Fairfax and Arlington in VA to Bethesda and Friendship Heights in MD
- **Corridor segments with highest number of trips:**
 - I-270/I-270 spur from I-495 to I-370 (MD)
 - I-495 from the Bridge to Dulles Corridor (VA)
 - I-495 from the I-270 spur junction to Prince George's County line (MD)
 - I-495 from the Bridge to the I-270 spur junction (MD)



Legend

	Insufficient Travel Demand Along Corridor
	Not Competitive with Existing Transit Service
	Indirect Access to Managed Lanes
★	Route Connection Advanced for Testing

Option	Virginia	↔	Maryland
1	Tysons		Bethesda ★
2			Friendship Heights
3a			Germantown ★
3b			Gaithersburg ★
4			White Flint
5a			Silver Spring ★
5b			White Oak via Silver Spring
6			Frederick ★

Option	Virginia	↔	Maryland
8a	Dunn Loring		Frederick
8b			Germantown
8c			Gaithersburg
8d			Rockville
8e			Silver Spring
8f			White Oak
8g			Bethesda ★

Option	Virginia	↔	Maryland
7a	Dulles/Reston		Frederick
7b			Germantown
7c			Gaithersburg
7d			Rockville
7e			Silver Spring
7f			White Oak
7g			Bethesda ★

Option	Virginia	↔	Maryland
7a	Arlington		Frederick ★
7b			Germantown
7c			Gaithersburg
7d			Rockville
7e			Bethesda
7f			Silver Spring
7g			White Oak

Prioritization Methodology

- Potential routes scored relative to each other based on three categories



Productivity – Maximizing ridership for the lowest cost



Equity – Serving areas with high concentrations of low-income and minority individuals



Connectivity – Providing access to the most jobs and people

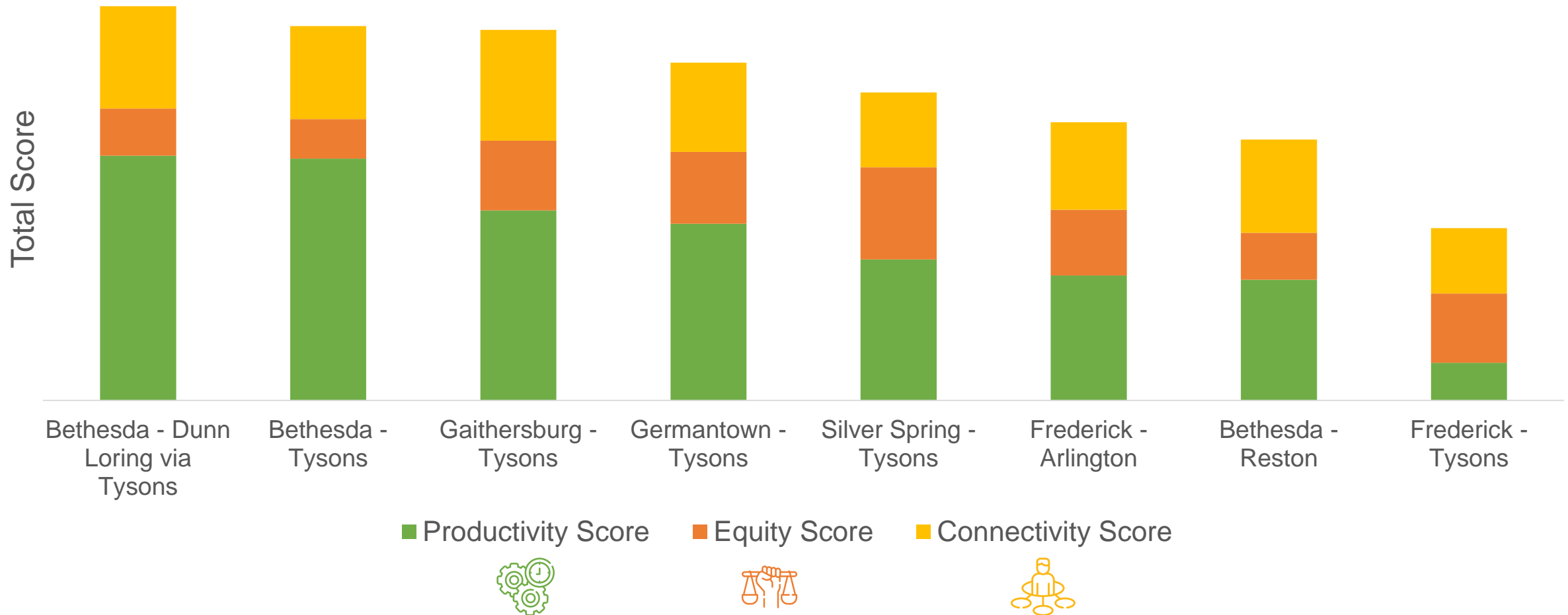
Routes Retained:

- Bethesda – Tysons
- Germantown – Tysons
- Silver Spring – Tysons
- Gaithersburg – Tysons
- Frederick – Tysons
- Bethesda – Dulles/Reston
- Bethesda – Dunn Loring
- Frederick – Arlington

SCORING KEY

HIGH ● ● ●
MEDIUM ● ●
LOW ●

Preliminary Route Scoring



Technology and Commuter Assistance Program Options

**Commuter Parking
Information System**

**Vanpool Formation and
Expansion Program**

**Real-Time Toll and
Transit Information**

Carpool Promotion Programs

Real-Time Arrival Information

**Corridor-Specific Mobility
Options Marketing Campaign**

**Real-Time Passenger
Load Information**

Targeted Residential Outreach

Transit Signal Priority

Targeted Employer Outreach

Transit Potential Recommendations Development

Develop List of Evaluation Options

- Outcome: List of possible route connections

Stakeholder meeting #1

Public
Survey
#1

Initial Screening

- Outcome: Narrowed down list to evaluate in more detail

Stakeholder meeting #2

Off-Model Testing and Evaluation

- Outcome: Preliminary ridership estimates and frequency assumptions;
Preliminary comparative ranking based on productivity, equity, and connectivity

Stakeholder meeting #3

Public
Meeting

Public
Survey
#2

Modeling

- Outcome: Understanding of combined benefits of routes; Sensitivities to increased frequencies

Stakeholder meeting #4

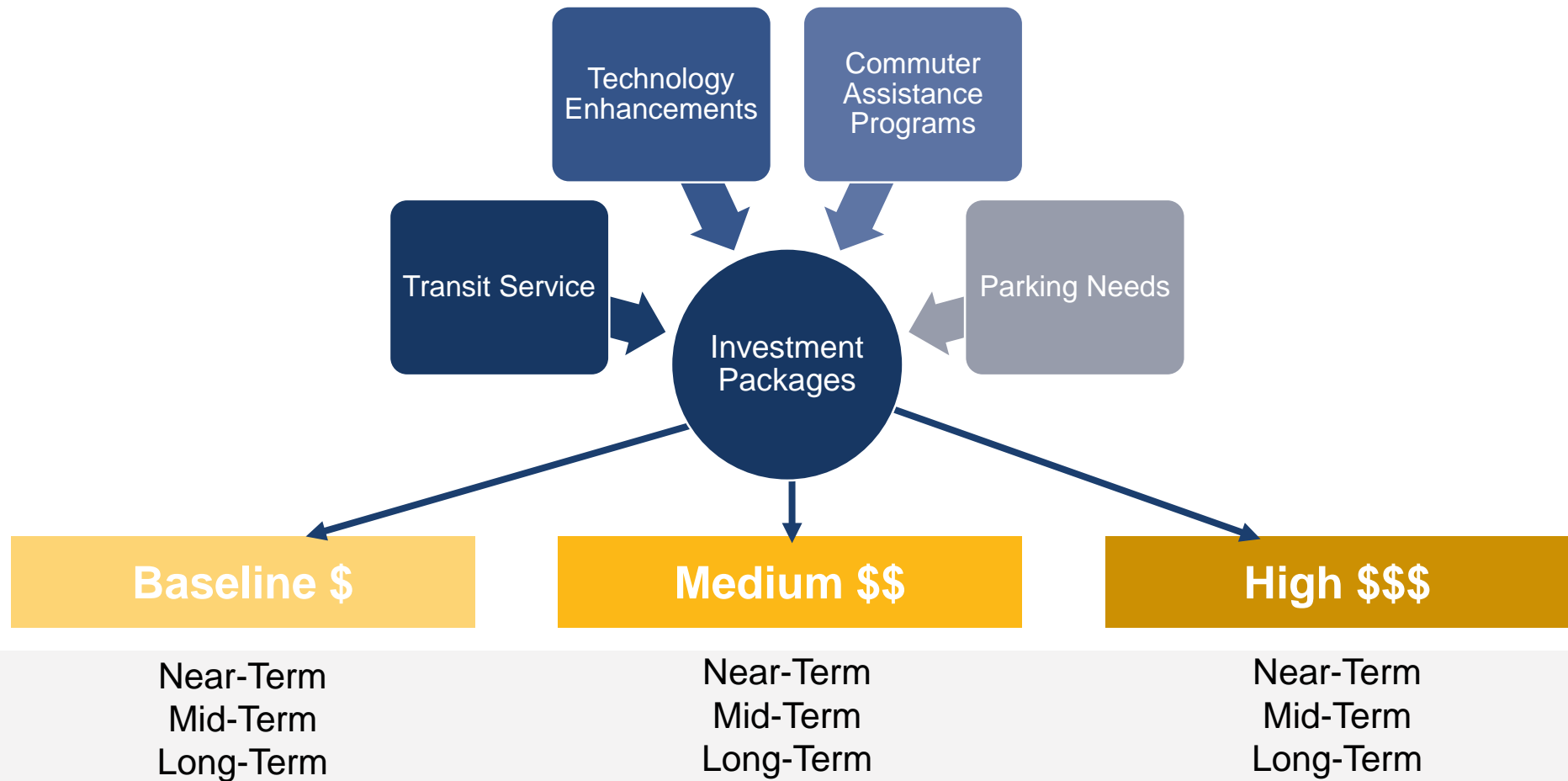
Public
Meeting

Develop and Refine Investment Packages

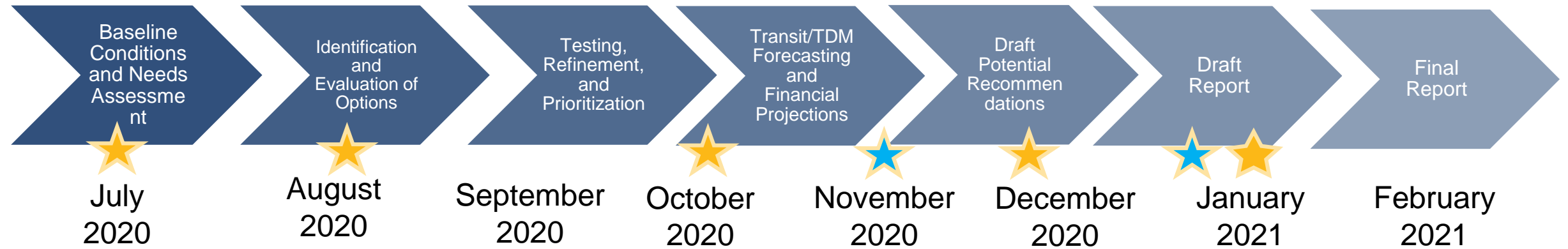
- Outcome: Tiers of potential recommendations

We are
Here

Next Step: Development of Investment Packages



Timeline



★ Stakeholder Meetings

★ Public Meetings

I-495 American Legion Bridge Transit and TDM Study Update

NVTC December Meeting

December 3, 2020

Jennifer DeBruhl, Chief of Public Transportation
Department of Rail and Public Transportation

10. NVTC Transit Resource Center

Information Items

- A. FY 2021 1st Quarter Transit Performance Report
- B. FY 2021 1st Quarter Parking Utilization Report



KATE MATTICE
NVTC EXECUTIVE DIRECTOR

11. Executive Director's Report

- A. Executive Director Newsletter
- B. NVTC Financial Reports (October 2020)



KATE MATTICE
NVTC EXECUTIVE DIRECTOR

NVTC-PRTC Joint *Virtual* Legislative Briefing

Monday, December 7th at 9:00 am

Northern Virginia *Virtual* Joint Transportation Meeting

NVTC, NVTA, VRE, CTB, DRPT, VDOT

Focus on project funding

Tuesday, December 8th at 6:00 pm

NVTC Commission Meeting

December 3, 2020

Meeting is adjourned. Thank you for attending.



KATIE CRISTOL
NVTC CHAIR
ARLINGTON COUNTY



CANEK AGUIRRE
NVTC VICE CHAIR
CITY OF ALEXANDRIA



JEFFREY MCKAY
NVTC SECRETARY-TREASURER
FAIRFAX COUNTY



MATTHEW LETOURNEAU
NVTC IMMEDIATE PAST CHAIR
LOUDOUN COUNTY

Visit us at www.novatransit.org