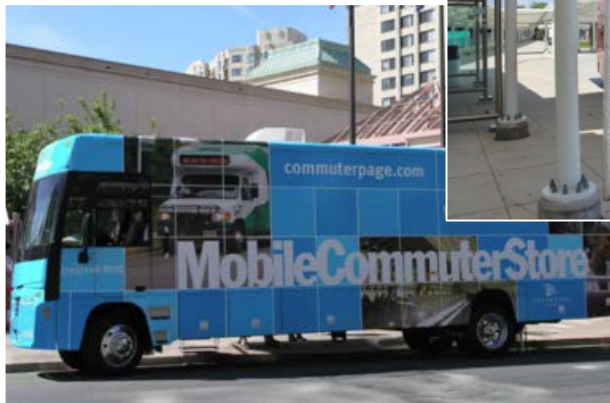


# FY 2018 I-66 Commuter Choice Program

Presentation to the  
Northern Virginia Transportation Commission  
May 3, 2018



# Presentation Overview

I-66 Commuter Choice Program Overview

FY2018 Program Evaluation and Selection

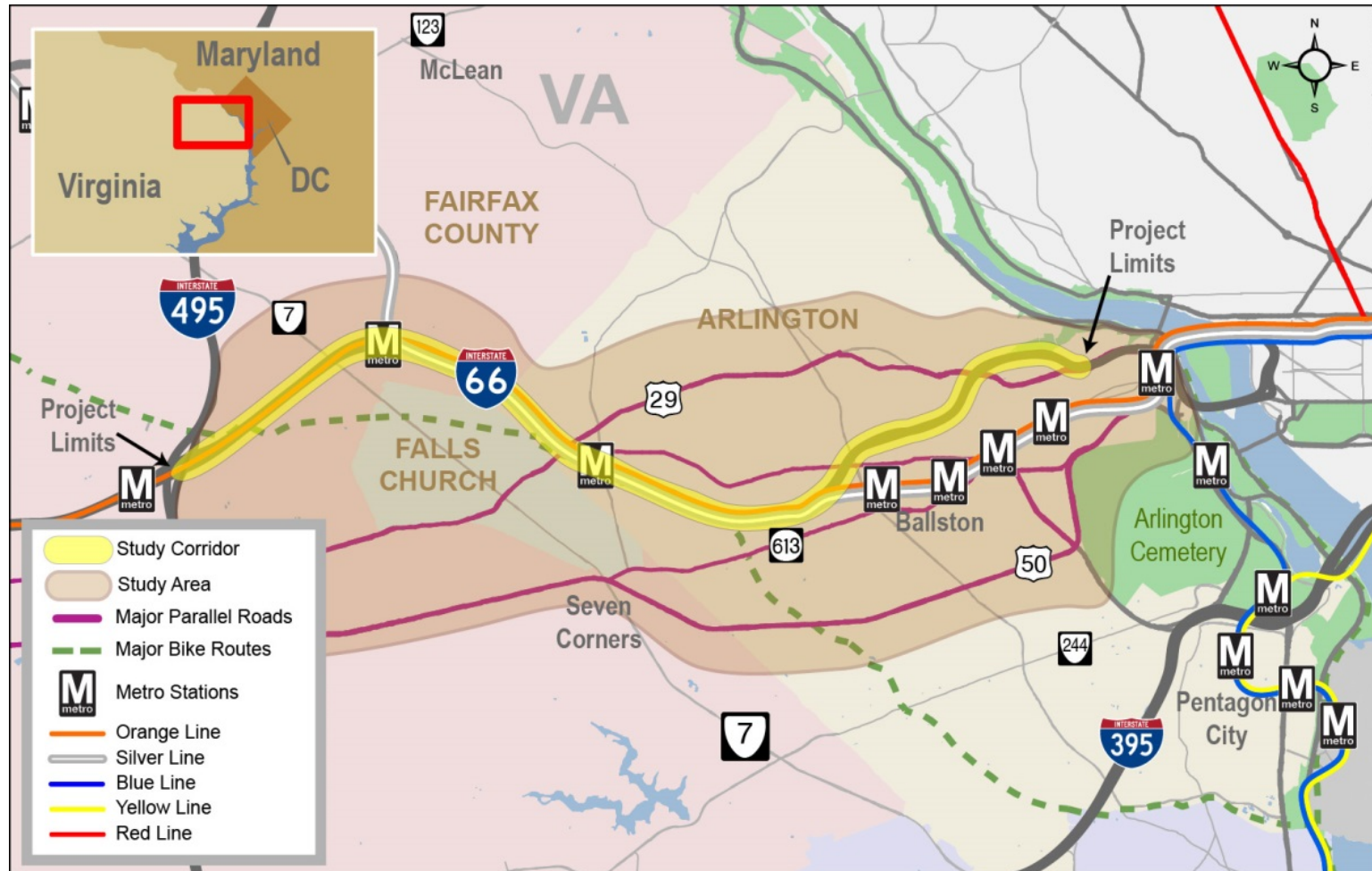
FY2018 Applications Received

FY2018 Recommended Program



# Program Overview

The I-66 Commuter Choice Program uses toll revenues from I-66 Inside the Beltway to fund multimodal transportation projects that improve travel on the corridor.





# Transform 66 Inside the Beltway Partnership

## Transform 66 Inside the Beltway Partnership 40-year agreement between the Commonwealth and NVTC

### NVTC's Role

- Establish a selection process
- Plan and select multimodal improvements
- Issue grants to and coordinate with agencies to ensure efficient delivery
- Monitor effectiveness of projects
- Provide annual reports to the CTB
- Provide information to the public concerning the projects

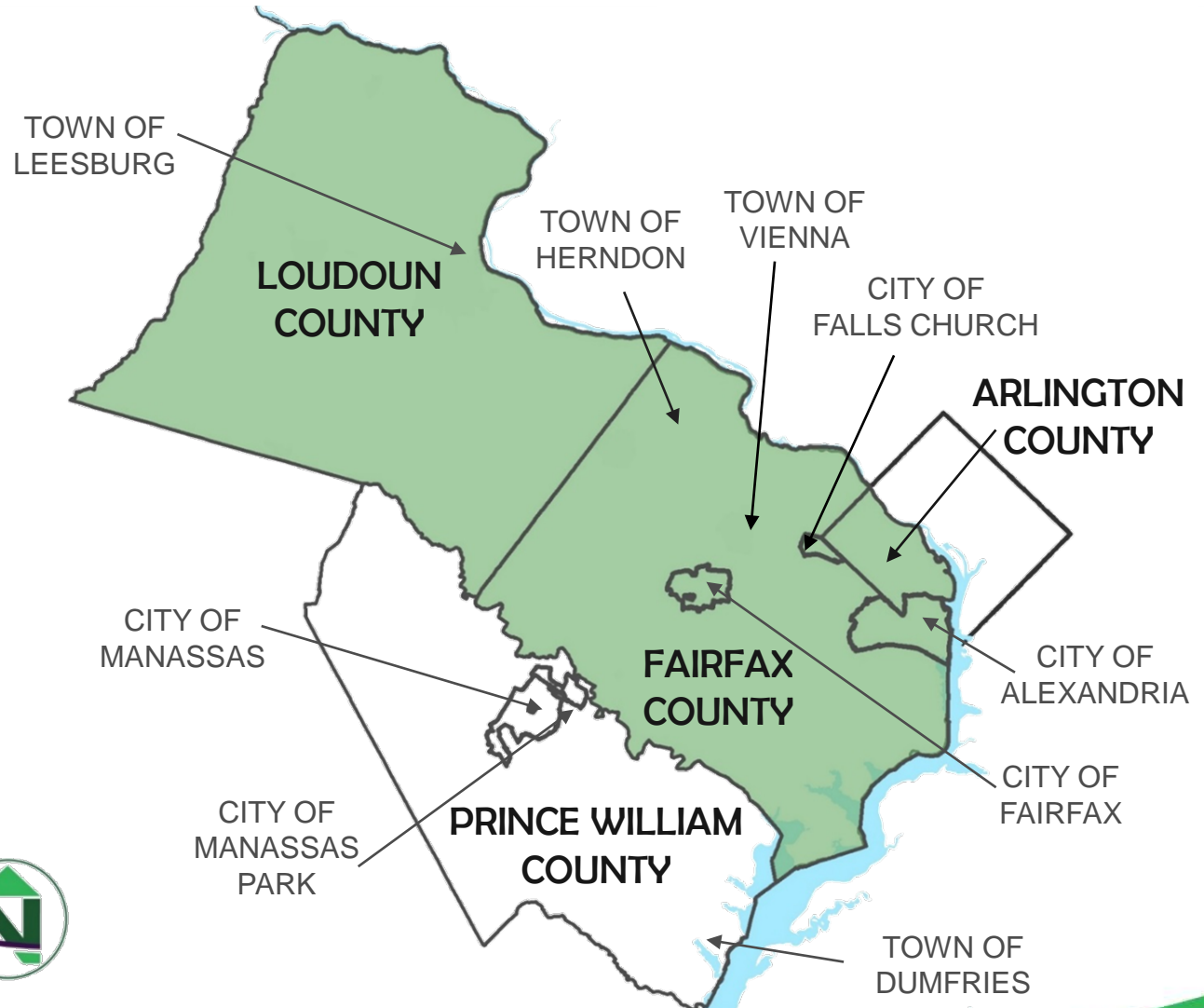
### VDOT's Role

- Widen I-66 eastbound between exits 67 and 71
- Manage the design, construction, maintenance, and operations of I-66 Inside the Beltway toll facilities



# Eligible Applicants

- Virginia Planning District 8 jurisdictions
- Agencies providing public transportation within those jurisdictions (VRE, WMATA, PRTC)



# Program Goals

The principal objective of the I-66 Commuter Choice Program is to select projects that meet the **Transform 66 Multimodal Project Improvement Goals** identified in the MOA:



Move More  
People



Reduce Roadway  
Congestion



Increase Travel  
Options



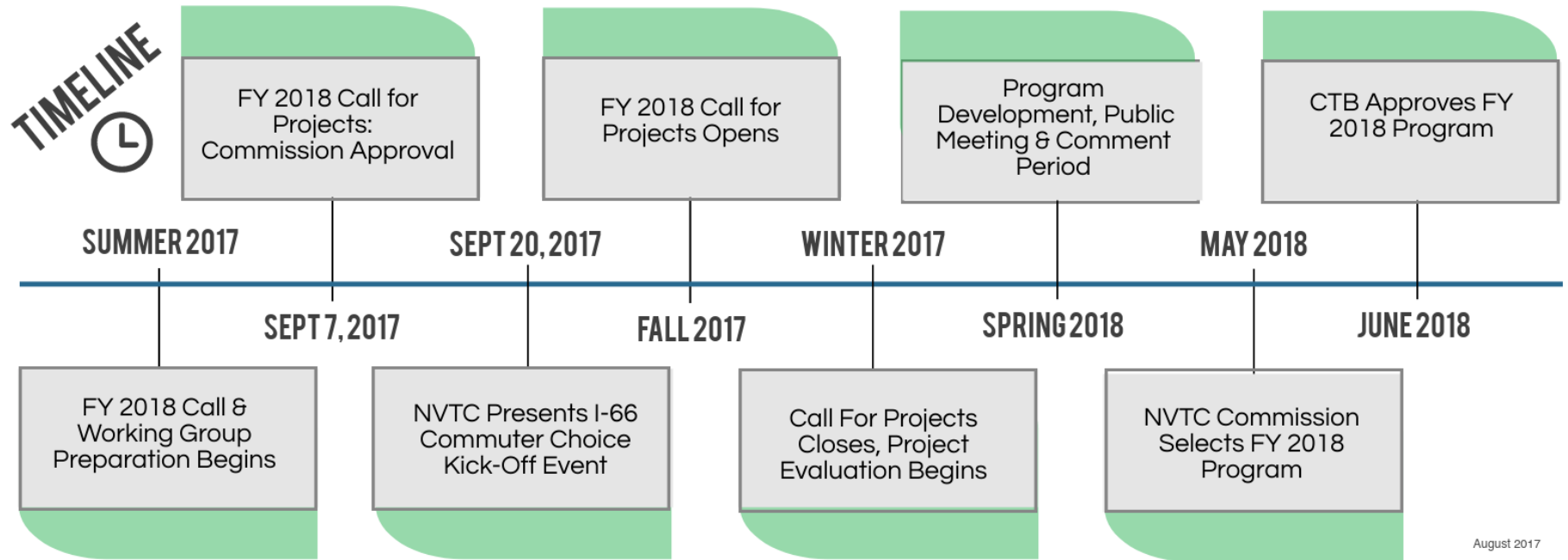
Enhance  
Transportation  
Connectivity



Improve Transit  
Service

# FY 2018 Program Selection

## FISCAL YEAR 2018 PROCESS



August 2017

# Jurisdictional Working Group

## Members

Arlington County/ART  
City of Alexandria/DASH  
City of Fairfax/CUE  
City of Falls Church  
City of Manassas

City of Manassas Park  
DRPT  
Fairfax County/Connector  
Loudoun County/LCT  
NVTA

Prince William County  
PRTC  
VDOT  
VRE  
WMATA

## Meetings

August 2017	Working Group Kick-off Meeting
September 2017	Preparation for kick-off event and application period
October 2017	Review project evaluation process, application questions
November 2017	Review project evaluation process, application questions cont.
December 2017	Review submitted applications, eligibility determination
January 2018	Review preliminary project evaluations
February 2018	Review final project evaluations
March 2018	Develop preliminary project list
April 2018	Develop final project list

Assisted by Kimley Horn Consulting Team





# Commissioner Working Group

The I-66 Commuter Choice Commissioner Working Group provided feedback to NVTC staff on the list of proposed projects reflected in the final staff recommendation.

## Members

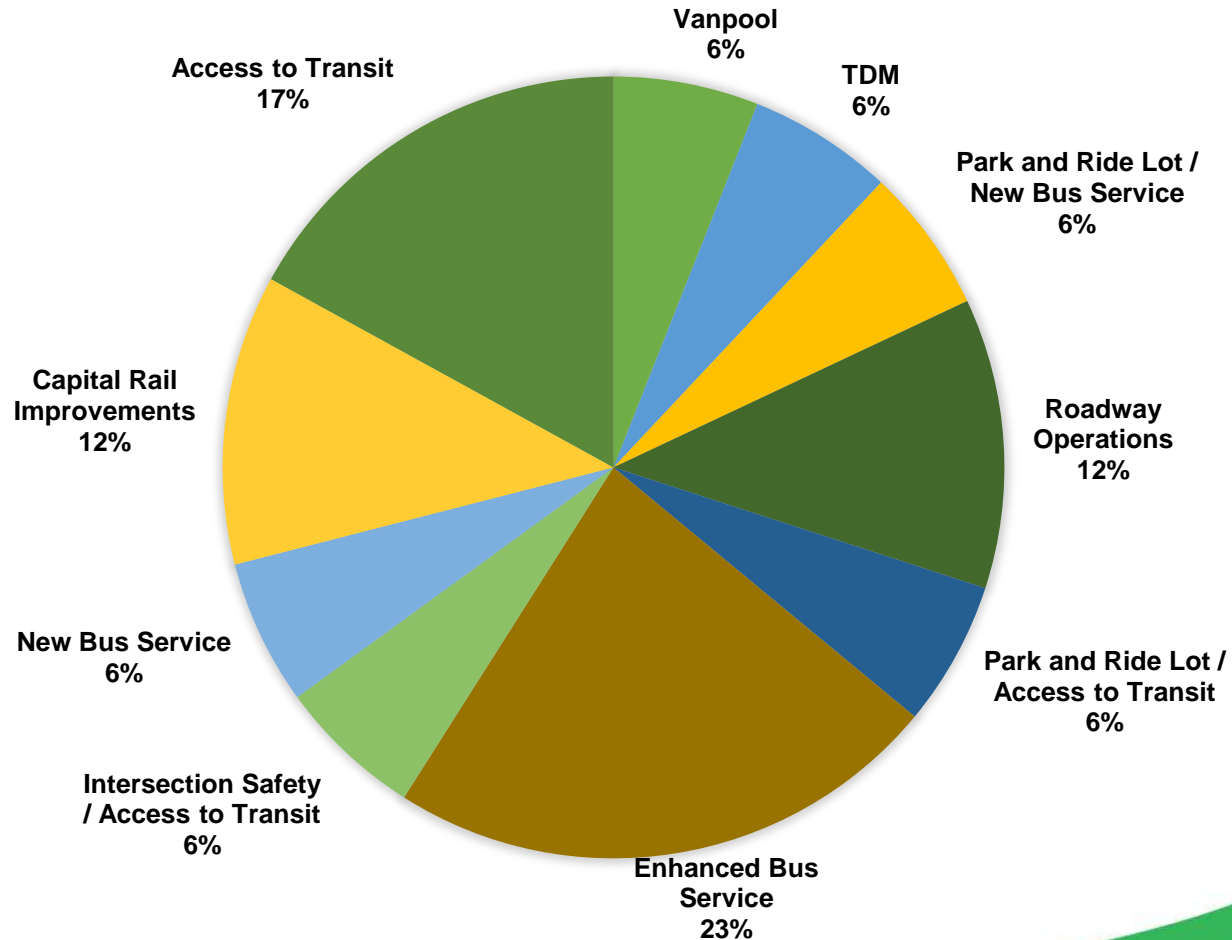
- Libby Garvey (Arlington County)
- Jeff Greenfield (City of Fairfax)
- John Foust (Fairfax County)
- Matt Letourneau (Loudoun County)
- David Snyder (City of Falls Church)



# Application Summary

- 17 applications received
- Total funding request \$29.6 million
- Applications from:
  - Arlington County
  - City of Fairfax
  - City of Falls Church
  - City of Manassas
  - Fairfax County
  - Loudoun County
  - PRTC
  - VRE

**COMPOSITION OF FY18 I-66 COMMUTER CHOICE APPLICATIONS**



# Evaluation Criteria

Evaluation Category	Evaluation Criteria	Criteria Objective	Weight
<b>Congestion Relief</b>	<b>Person Throughput</b>	To move more people through the corridor efficiently.	45
	<b>Peak Period Travel Time</b>	To provide consistent travel during congested periods for users of the corridor and improves operational efficiency of the transportation network	15
	<b>Connectivity</b>	To create, complete, or link transportation network elements and/or modes.	15
	<b>Accessibility</b>	To provide people access to opportunities.	15
<b>Diversion Mitigation</b>		To mitigate the impacts of trips diverted from I-66 inside the Beltway resulting from tolling and/or high occupancy vehicle restrictions	10
<b>Total Benefit Score</b>			<b>100</b>
<b>Cost Effectiveness Score</b>		To have a cost-effective solution relative to the realized benefits	<u>Total Benefit Score*1M</u> Funding Request

# FY18 Recommended Program

FY2018 I-66 Commuter Choice Project Name	Applicant	Total Funding Request
Fairfax Connector Express Bus Service Between Vienna/Fairfax-GMU and Pentagon Metrorail Stations	Fairfax County	\$ 3,452,618
Loudoun County Transit Metro Connection Route 88X Extension to Dulles South	Loudoun County	\$ 1,706,040
On-Demand Commuter Lot Shuttles in Prince William County	PRTC	\$ 1,087,796
Loudoun County Transit Metro Connection from New Purcellville Park and Ride	Loudoun County	\$ 1,065,960
CUE Access and Technology Improvements	City of Fairfax/CUE	\$ 965,000
Metrobus Route 3T Extension and Service Expansion	City of Falls Church	\$ 845,754
I-66 Corridor Vienna/Merrifield Bike Share Expansion	Fairfax County	\$ 497,100
I-66 Corridor Intelligent Transportation System Enhancements	Arlington County	\$ 400,000
Traffic Management Center	Arlington County	\$ 400,000
Expanded Transportation Demand Management Outreach to the I-66 Corridor	Arlington County	\$ 350,000
Flexible Vanpool Program	PRTC	\$ 317,600
Linton Hall OmniRide Metro Direct Bus Service Enhancement	PRTC	\$ 134,200
Bicycle Parking Improvements at Manassas VRE Station	City of Manassas	\$ 55,000
I-66 Commuter Choice Marketing and Outreach	NVTC	\$ 400,000
Program Administration, Evaluation and Oversight	NVTC	\$ 400,000
<b>Total</b>		<b>\$ 12,077,068</b>



# FY18 Project Types

2 new and 3  
enhanced bus  
services

4 access to transit  
projects

2 park and ride lots

2 roadway  
operations projects

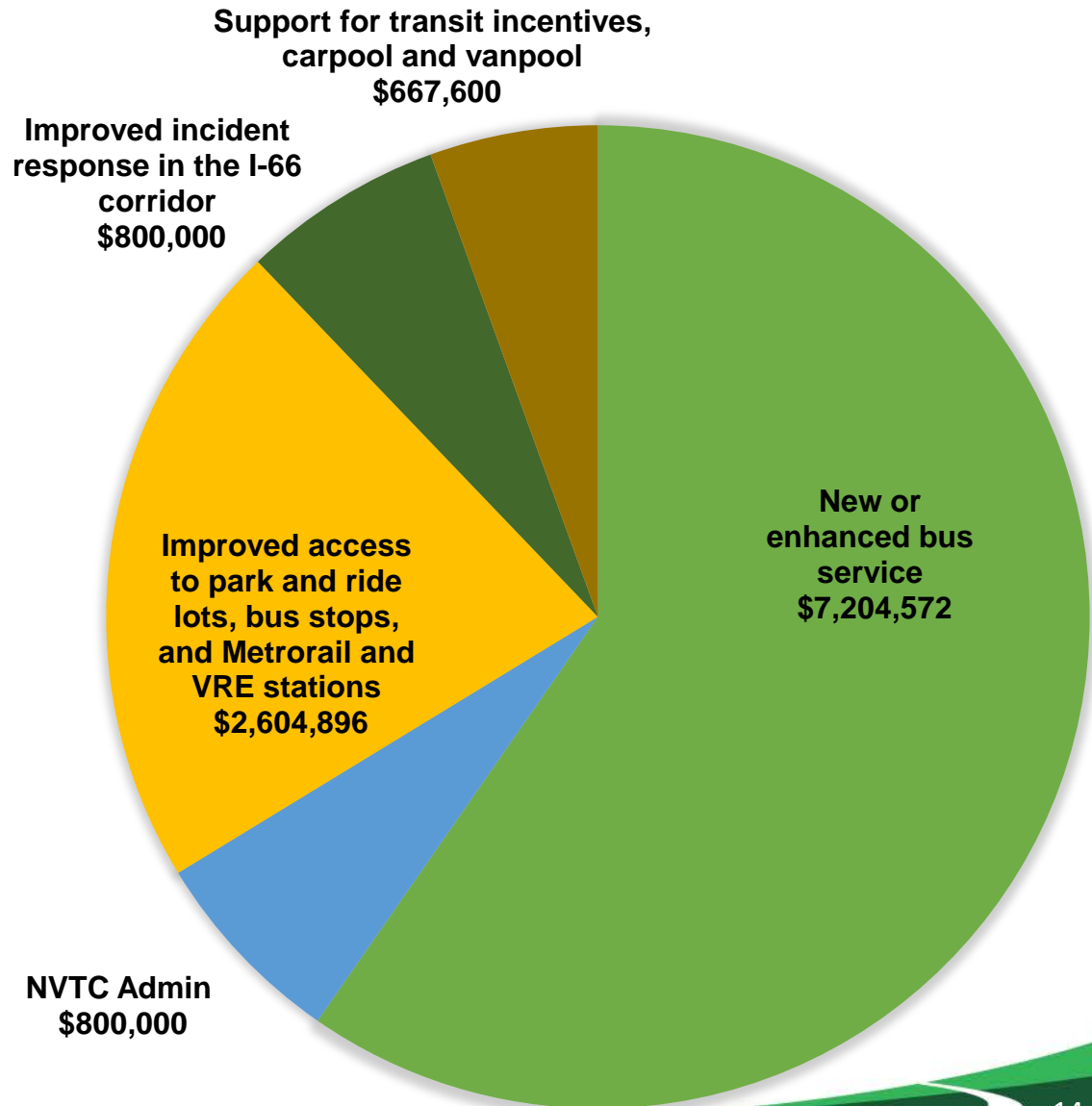
1 vanpool project

1 transportation  
demand  
management  
project

regional outreach and program administration

# FY18 Program Characteristics

- 60% of the program will fund **new or enhanced bus service**
- 22% of the program will improve **access to park and ride lots, bus stops, and Metrorail and VRE stations**
- 7% of the program will directly serve to **improve responsiveness to incidents** along the I-66 corridor
- 6% of the program will support **transit incentives and alternate ways to travel** such as carpool and vanpool



# FY18 Program Benefits

Moves an additional **2,000 people** through the corridor during the morning peak period

Saves approximately **120,000 hours** of travel delay per year during the commuter peak periods

Connects people to more than **15 activity centers** in Virginia and the District of Columbia

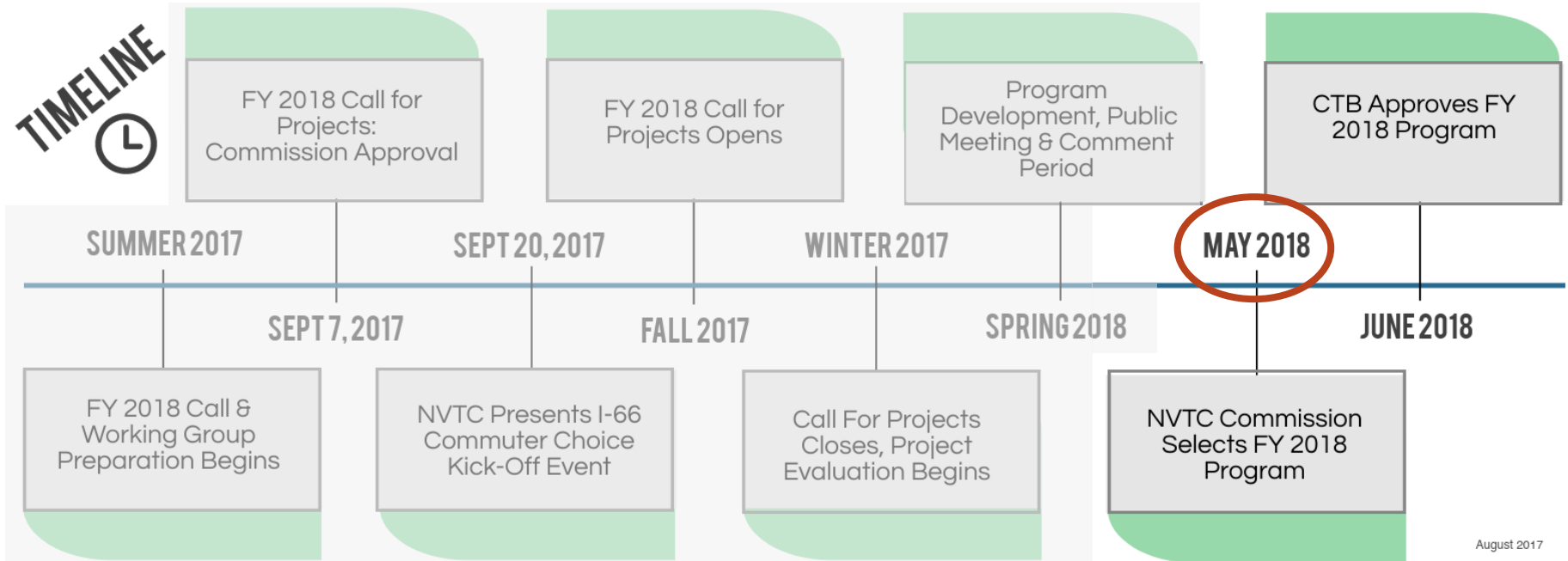
Provides **two new bus routes** and enhances service on three existing bus routes

Improves emergency and **incident response capabilities** to keep I-66 moving



# Next Steps

## FISCAL YEAR 2018 PROCESS



- May 15 - CTB Workshop Presentation
- June 20 - CTB Action Meeting



# Questions?



**Patricia Happ**

**NVTC I-66 Commuter Choice Program Manager**

[patriciahapp@novatransit.org](mailto:patriciahapp@novatransit.org)



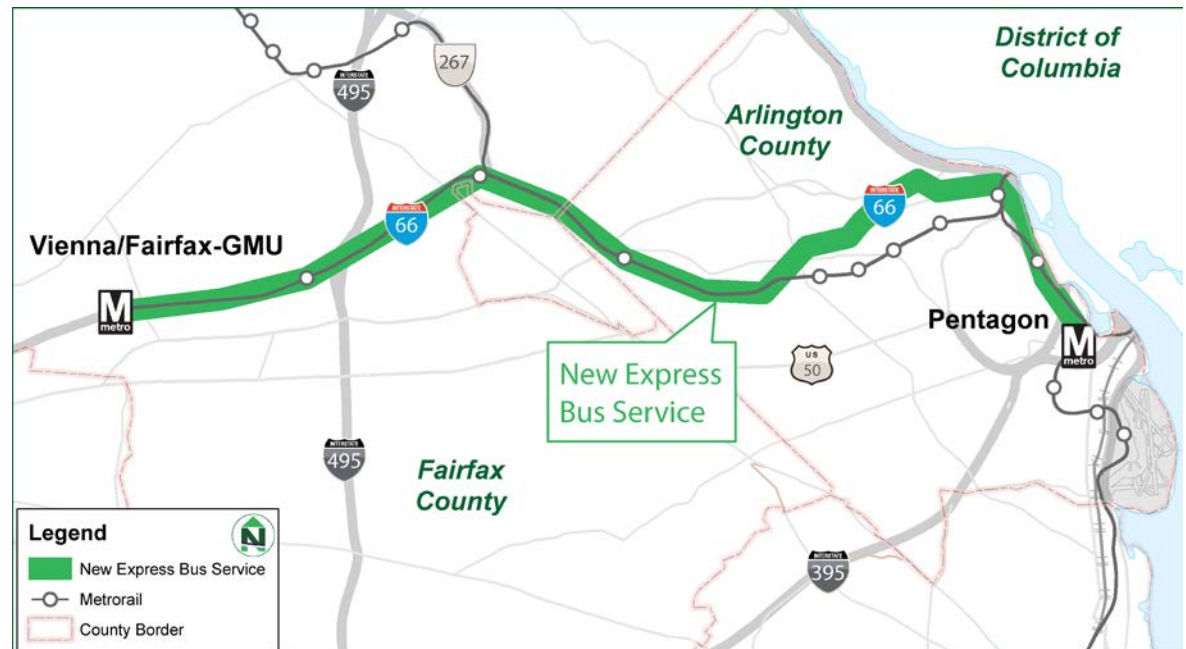
# FY18 Projects



# Fairfax Connector Express Bus Service Between Vienna/Fairfax-GMU and Pentagon Metrorail Stations

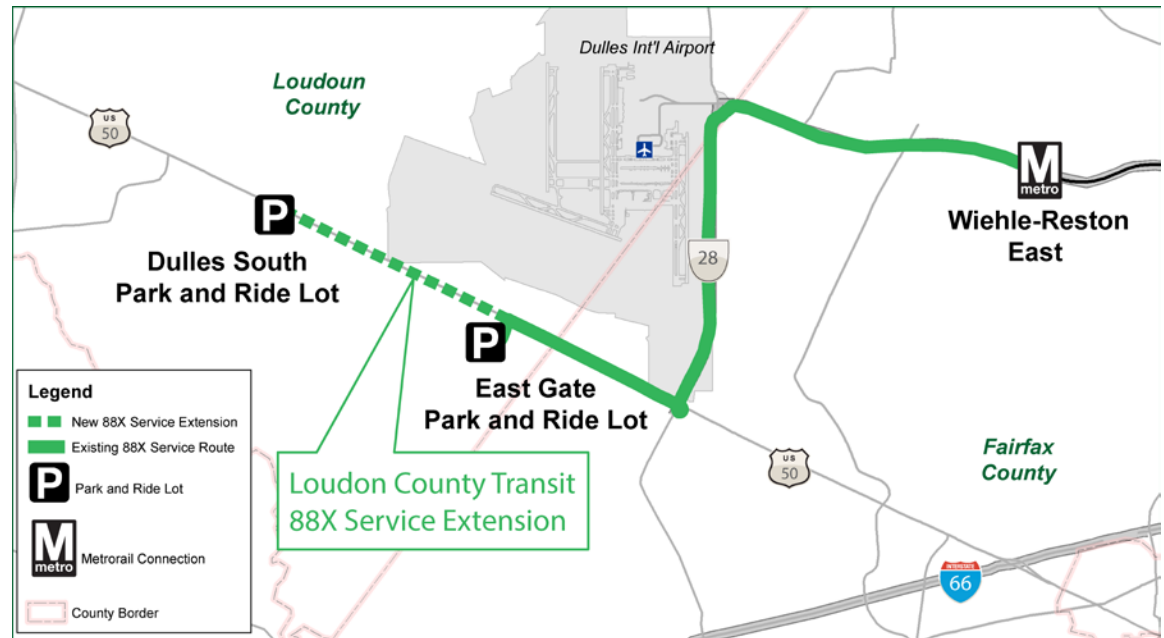
Fairfax County (\$3,452,618)

- What it funds:
  - ✓ the purchase of five new buses to provide 10 inbound and 10 outbound weekday trips
- What it provides:
  - ✓ restoration of bus service, proven popular during SafeTrack
  - ✓ a direct route between the Vienna/Fairfax-GMU Metrorail station and the Pentagon, a major employment and transportation hub



# Loudoun County Transit Metro Connection Route 88X Extension to Dulles South Loudoun County (\$1,706,040)

- What it funds:
  - ✓ the purchase and operation of two new buses to extend service further west, past Dulles International Airport
- What it provides:
  - ✓ increased ridership on the 88X through the addition of a stop at Dulles South park and ride lot
  - ✓ commuter bus service, with no change in bus frequency, between two park and ride lots and the Wiehle-Reston East Metrorail station during rush hour





# On-Demand Commuter Lot Shuttles in Prince William County PRTC (\$1,087,796)

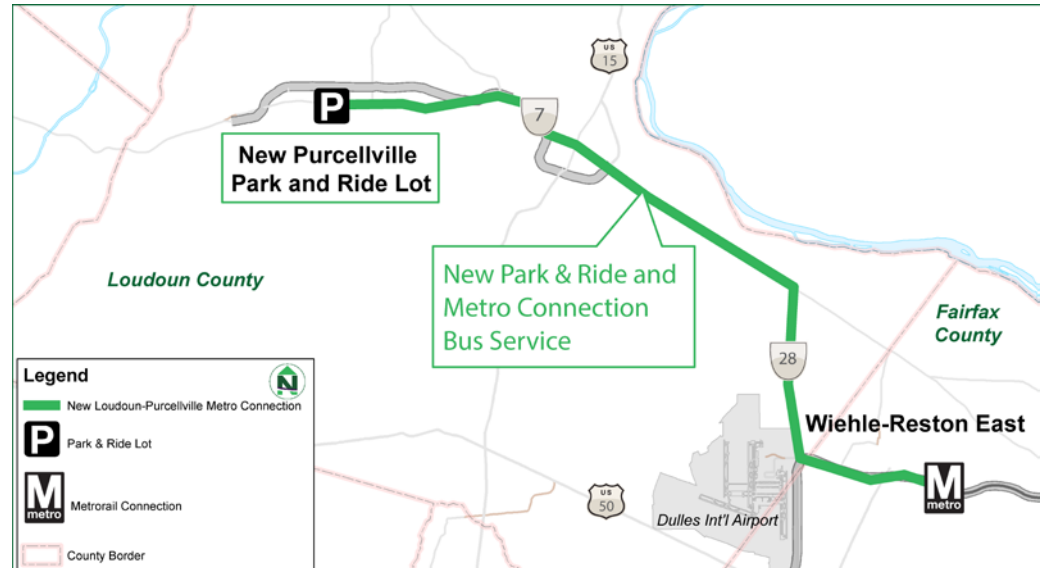
- What it funds:
  - ✓ development of new software
  - ✓ new vehicles
  - ✓ on-board vehicle hardware
  - ✓ transit operations
  - ✓ promotion and outreach
- What it provides:
  - ✓ free on-demand shuttles between  
Gainesville/Haymarket neighborhoods and nearby commuter lots
  - ✓ improved access to OmniRide Metro Direct buses by resolving issues pertaining to a lack of parking



# Loudoun County Transit Metro Connection from New Purcellville Park and Ride

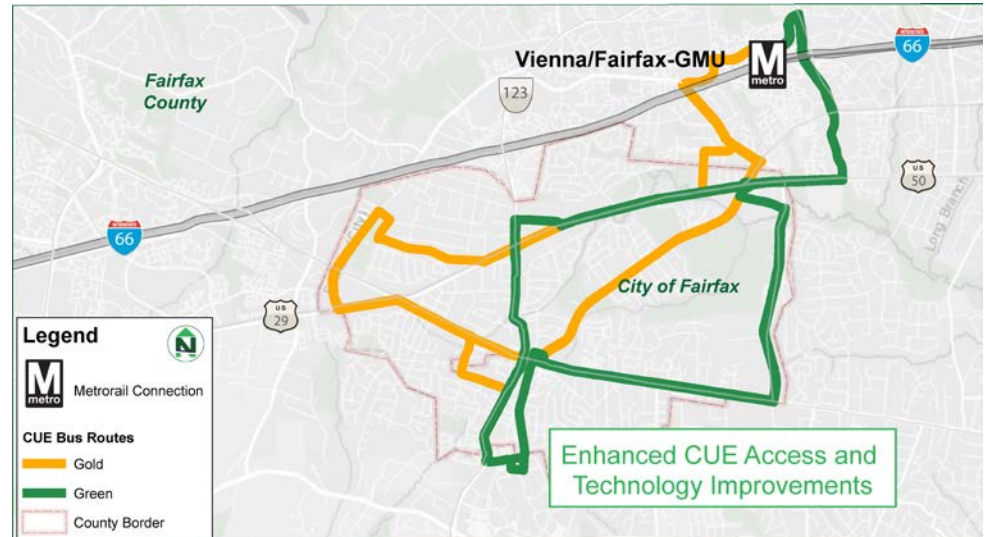
## Loudoun County (\$1,065,960)

- What it funds:
  - ✓ the operation of new express bus service
  - ✓ the leasing of at least 80 parking spaces
- What it provides:
  - ✓ direct bus service between Purcellville and the Wiehle-Reston East Metrorail station
  - ✓ nine morning inbound and nine evening outbound trips
  - ✓ improved access to Metro Connection buses by resolving issues pertaining to a lack of parking



## CUE Access and Technology Improvements City of Fairfax/CUE (\$965,000)

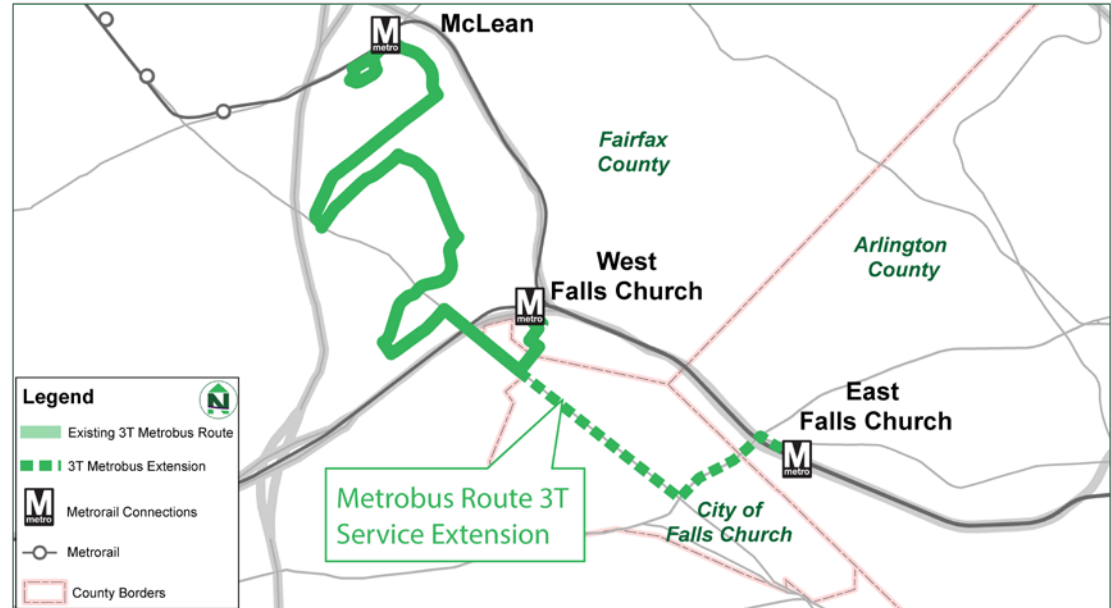
- What it funds:
  - ✓ the purchase of real-time transit arrival information screens at high ridership bus stops
  - ✓ improvements to bus shelters, benches and signage
  - ✓ identifying and prioritizing the locations for improvements
  - ✓ marketing of CUE services
- What it provides:
  - ✓ improved reliability, access and comfort to make CUE a more attractive commuting option
  - ✓ enhanced connections between the City of Fairfax, George Mason University and the Vienna-Fairfax/GMU Metrorail station



# Metrobus Route 3T Extension and Service Expansion

## City of Falls Church (\$845,754)

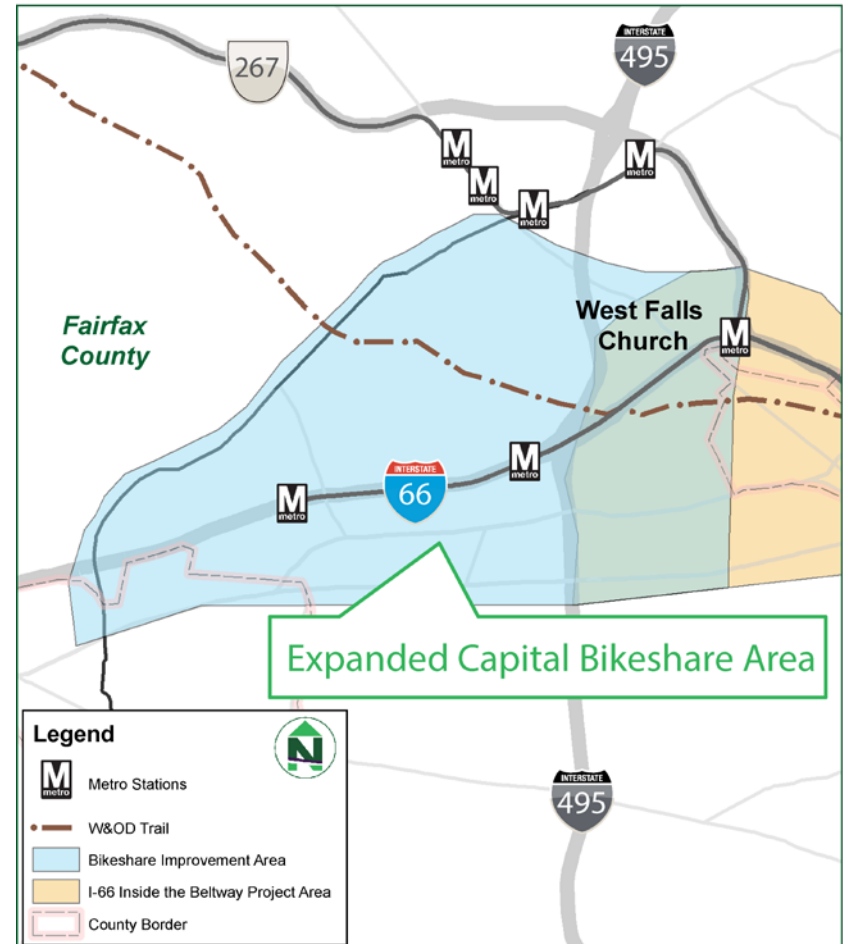
- What it funds:
  - ✓ operation of increased and geographically extended bus service
- What it provides:
  - ✓ restoration of direct Metrobus service between the West Falls Church-VT/UVA and East Falls Church Metrorail stations
  - ✓ bidirectional, rush-hour service with 20-minute headways along West Broad and North Washington streets





# I-66 Corridor Vienna/Merrifield Bike Share Expansion Fairfax County (\$497,100)

- What it funds:
  - ✓ the purchase of 10 new bike share stations
- What it provides:
  - ✓ greater access to the Vienna/Fairfax-GMU and Dunn Loring-Merrifield Metrorail stations as well as the future I-66 bicycle and pedestrian trail
  - ✓ access to bike docks from near Gallows Road/I-495 intersection and Inova Fairfax's campuses
  - ✓ closes a significant gap in Fairfax County's bike share network



# I-66 Corridor Intelligent Transportation System Enhancements

## Arlington County (\$400,000)

- What it funds:
  - ✓ enhancements to Arlington County's intelligent transportation system
- What it provides:
  - ✓ more rapid response to traffic incidents in the I-66 corridor, which can minimize back-ups and delays
  - ✓ reduce gaps in monitoring coverage
  - ✓ strengthen real-time situational awareness
  - ✓ information sharing with commuters, VDOT, and local law enforcement and emergency personnel



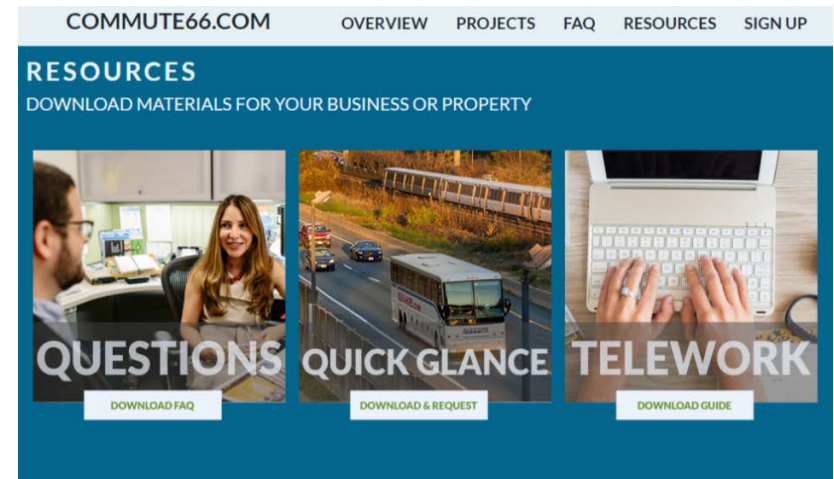
## Traffic Management Center Arlington County (\$400,000)

- What it funds:
  - ✓ staffing of Arlington County's Traffic Management Center during business hours
- What it provides:
  - ✓ optimal use of the county's Intelligent Transportation System
  - ✓ centralization and evaluation of traffic data from field devices
  - ✓ improved coordination with partner agencies such as VDOT and first responders



# Expanded Transportation Demand Management Outreach to the I-66 Corridor Arlington County (\$350,000)

- What it funds:
  - ✓ new staff – one for marketing and one for outreach
- What it provides:
  - ✓ expanded employer and residential outreach with a focus on promoting telework and flexible work schedules
  - ✓ reduced congestion and emissions
  - ✓ increased Metrorail ridership
  - ✓ enhanced job access
  - ✓ ability to leverage a quarter-time
  - ✓ outreach person from Arlington Transportation Partners to complement the grant-funded staff





- What it funds:
  - ✓ vanpool rostering and fare payment software for both smartphone and desktop applications
- What it provides:
  - ✓ increased attractiveness of vanpools in the I-66 corridor through flexible scheduling
  - ✓ ability of riders registered in one vanpool to ride with another
  - ✓ ability of unregistered riders to catch a one-time ride



# Linton Hall OmniRide Metro Direct Bus Service Enhancement PRTC (\$134,200)

- What it funds:
  - ✓ operating costs associated with expanded service during rush hour
- What it provides:
  - ✓ alternative transportation option as construction on I-66 disrupts the commutes of thousands of drivers
  - ✓ increased service on an already popular commuter bus route, which runs between stops in Prince William County and the Tysons Corner Metrorail station



## Bicycle Parking Improvements at Manassas VRE Station City of Manassas (\$55,000)

- What it funds:
  - ✓ new, sheltered bike racks
  - ✓ 10 bicycle lockers
  - ✓ bicycle repair stand
- What it provides:
  - ✓ greater access to VRE and Amtrak trains by mitigating issues pertaining to a lack of parking
  - ✓ convenient long-term bicycle parking options



- What it funds:
  - ✓ Staff and other direct costs to coordinate outreach and marketing to encourage the use of transit and carpools for commuters using the I-66 corridor Inside the Beltway
- What it provides:
  - ✓ outreach and marketing to coordinate such efforts across jurisdictions, identify gaps in efforts, and initiate a campaign to expand knowledge of transportation alternatives along this corridor.

Note: These efforts were previously managed and funded by the Virginia Department of Transportation.



- What it funds:
  - ✓ Staff and other direct costs to administer, evaluate and conduct oversight for the I-66 Commuter Choice program
- What it provides:
  - ✓ Resources to conduct the call for projects, technical evaluation, financial and program management, and project and program evaluation
  - ✓ Required reporting of near and long-term outcomes

Note: These efforts were previously managed and funded by the Virginia Department of Transportation.

## FY 2018 Project Application Evaluations

Project Type	Project Name	Applicant	Benefit Score <i>(max points)</i>						Cost Effectiveness Score (benefit/funding req)	Non-Transit Operating Request (Normalized)	Transit Operating Request (Normalized)	Total Funding Request (Normalized)*
			Increases Person Throughput (45)	Improves Peak Period Travel Time (15)	Enhances Connectivity (15)	Enhances Accessibility (15)	Mitigates Diversion (10)	Total Benefit Score (100)				
Intersection Safety / Access to Transit	Multimodal Access to West Falls Church-VT/UVA Metrorail Station	City of Falls Church	15	0	15	15	3	48	8	\$ 6,208,678	\$ -	\$ 6,208,678
Capital Rail Improvements	VRE L'Enfant Station Improvements	Virginia Railway Express	N/A**	N/A**	N/A**	N/A**	N/A**	**	**	\$ 6,000,000	\$ -	\$ 6,000,000
Capital Rail Improvements	VRE Crystal City Station Improvements	Virginia Railway Express	N/A**	N/A**	N/A**	N/A**	N/A**	**	**	\$ 4,000,000	\$ -	\$ 4,000,000
New Bus Service	Fairfax Connector Express Bus Service Between Vienna/Fairfax-GMU and Pentagon Metrorail Stations****	Fairfax County	30	15	10	15	10	80	18	\$ 2,230,000	\$ 1,222,618	\$ 3,452,618
Enhanced Bus Service	Loudoun County Transit Metro Connection Route 88X Extension to Dulles South	Loudoun County	30	5	10	10	10	65	38	\$ 439,200	\$ 1,266,840	\$ 1,706,040
Enhanced Bus Service	OmniRide Manassas Metro Direct Bus Service Enhancement	PRTC	30	0	10	0	3	43	39	\$ -	\$ 1,098,100	\$ 1,098,100
Park and Ride Lot / Access to Transit	On-Demand Commuter Lot Shuttles in Prince William County	PRTC	30	5	10	5	7	57	52	\$ 576,796	\$ 511,000	\$ 1,087,796
Park And Ride Lot / New Bus Service	Loudoun County Transit Metro Connection from New Purcellville Park and Ride	Loudoun County	30	10	15	10	10	75	70	\$ 129,600	\$ 936,360	\$ 1,065,960
Access to Transit	CUE Access and Technology Improvements	City of Fairfax/CUE	30	0	15	15	10	70	73	\$ 965,000	\$ -	\$ 965,000
Enhanced Bus Service	Metrobus Route 3T Extension and Service Expansion	City of Falls Church	30	0	15	15	10	70	83	\$ -	\$ 845,754	\$ 845,754
Access to Transit	I-66 Corridor Vienna/Merrifield Bike Share Expansion	Fairfax County	30	5	15	15	3	68	137	\$ 497,100	\$ -	\$ 497,100
Roadway Operations	I-66 Corridor Intelligent Transportation System Enhancements	Arlington County	0	0	5	0	3	8	21	\$ 400,000	\$ -	\$ 400,000
Roadway Operations	Traffic Management Center	Arlington County	0	5	5	0	3	13	33	\$ 400,000	\$ -	\$ 400,000
Transportation Demand Management	Expanded Transportation Demand Management Outreach to the I-66 Corridor	Arlington County	30	10	10	10	7	67	190	\$ 350,000	\$ -	\$ 350,000
Vanpool or Carpool	Flexible Vanpool Program	PRTC	30	5	10	10	7	62	194	\$ 317,600	\$ -	\$ 317,600
Enhanced Bus Service	Linton Hall OmniRide Metro Direct Bus Service Enhancement	PRTC	30	5	15	15	10	75	559	\$ -	\$ 134,200	\$ 134,200
Access to Transit	Bicycle Parking Improvements at Manassas VRE Station	City of Manassas	15	10	10	5	3	43	788	\$ 55,000	\$ -	\$ 55,000
Total Evaluated Applications (17)***										\$ 22,568,974	\$ 6,014,872	\$ 28,583,846

\*Normalized funding requests represent no more than 2 years of funding for transit operations

\*\*Evaluation criteria are not applicable to a final design project

\*\*\*Total Funding Request Before Fairfax County Reduced Funding Request for New Bus Service Project = \$29,619,728

\*\*\*\* Fairfax County adjusted the funding request for this project. Scores still pertain to original funding request at the time of scoring.

Note: VRE withdrew the application for the Manassas Line Realtime Multimodal Traveler Information project before scoring evaluation

# HOW WMATA IS FUNDED IN VIRGINIA - FISCAL YEAR 2019

