



COMMONWEALTH of VIRGINIA

Commonwealth Transportation Board

Shannon Valentine
Chairperson

1401 East Broad Street
Richmond, Virginia 23219

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COMMONWEALTH TRANSPORTATION BOARD WORKSHOP AGENDA

VDOT Central Auditorium

1221 East Broad Street

Richmond, Virginia 23219

March 17, 2020

10:00 a.m.

1. Update on South Island, Fort Wool, and Migratory Birds
Rob Cary, Virginia Department of Transportation
Josh Saks, Deputy Secretary of Natural Resources
2. Orange Line Platform Improvement Program
Jennifer DeBruhl, Virginia Department of Rail & Public Transportation
3. Transit Capital Application Update
Jennifer DeBruhl, Virginia Department of Rail & Public Transportation
4. Legislative Update
Nick Donohue, Office of the Secretary of Transportation
5. Preliminary FY 2021 – 2026 Commonwealth Transportation Fund
Six-Year Financial Plan Outlook
Laura Farmer, Virginia Department of Transportation

We are concerned about your health, and we are committed to do all we can to reduce the risk and spread of novel coronavirus. Governor Ralph Northam declared a state of emergency in Virginia on Thursday, March 12 in response to COVID-19. In light of this action, we have decided to take further precautions by conducting the March 2020 Commonwealth Transportation Board meeting via electronic communications, in accord with Section 2.2-3708.2(D) of the Code of Virginia.

The primary meeting location address is listed on the agenda; however, some board members will be participating from other locations remotely. While the public may attend the meeting at the primary location, we are encouraging the public view the meeting via live stream by clicking the "View video" button at the following link: http://www.ctb.virginia.gov/public_meetings/live_stream/default.asp. We value feedback from the public and want to be sure that opportunity is available. As usual, public comment will be allowed at the beginning of the action meeting. However, due to health concerns we are encouraging that all public comments be submitted electronically to Carol.Mathis@VDOT.Virginia.gov.

In the event there is an interruption in the video broadcast of the meeting, please call 804-832-9292.

We are sorry for the short notice and any inconvenience this change may cause, but feel it is the most responsible action at the time to protect the health and well-being of those in attendance. Be safe.

Agenda
Meeting of the Commonwealth Transportation Board
Workshop Session
March 17, 2020
Page 2

6. COVID-19 Update
Cathy McGhee, Virginia Department of Transportation
Dr. Laurie Forlano, Deputy Commissioner, Virginia Department of Health
7. Director's Items
Jennifer Mitchell, Virginia Department of Rail & Public Transportation
8. Commissioner's Items
Stephen Brich, Virginia Department of Transportation
9. Secretary's Items
Shannon Valentine, Secretary of Transportation
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WMATA Platform Improvement Program – Summer 2020

Commonwealth Transportation Board – March 17, 2020

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

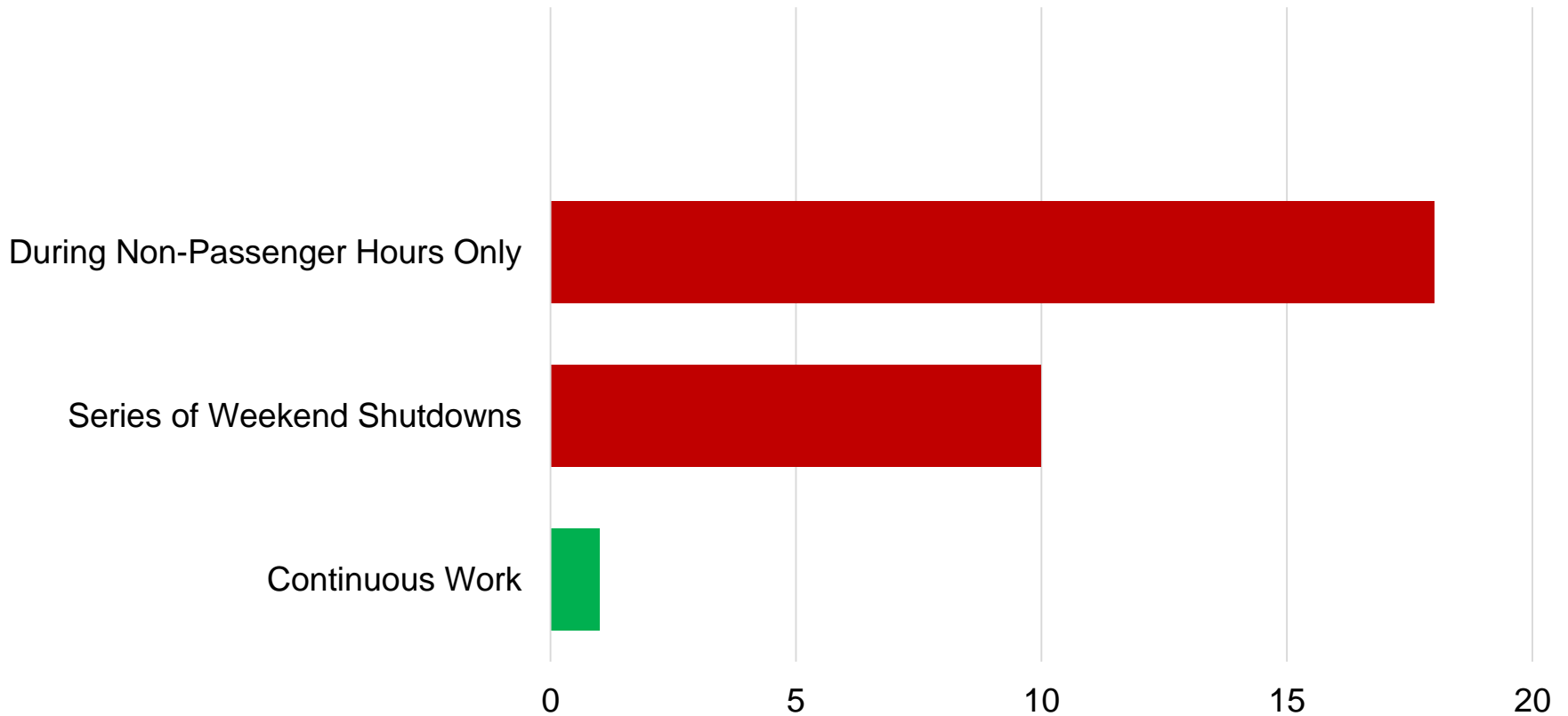


Platform Improvement Project

- 45 outdoor stations – concrete platforms have been exposed to weather and de-icing agents for decades
- Platforms built 35-40 years ago are now deteriorating
 - 16 stations already have rebuilt platforms
 - 6 rebuilt during 2019 Platform Improvement Program
 - 15 stations have platforms in good condition
 - 14 stations have platforms requiring immediate attention; temporary measures installed where needed to stabilize and ensure safety until reconstruction occurs (includes outdoor stations on the Blue, Yellow, and Orange lines in Virginia)
- Concrete repair is a necessary safety project

Comparison of Different Construction Approaches

Time to Complete One Station



- Providing 24/7 track access substantially reduces **project duration**, is **safer**, and **costs less**

2019 Platform Improvement Project

- During 2019 WMATA reconstructed the platforms and made other improvements to six Metrorail stations on the Blue & Yellow Lines in Virginia
 - Braddock Road, King Street & Eisenhower Avenue in Alexandria
 - Huntington, Van Dorn Street & Franconia-Springfield in Fairfax County
- No Metrorail service on Blue & Yellow lines south of Reagan National Airport between May 25 – September 19, 2019
- WMATA provided shuttle buses to replace the lost rail service and local jurisdictions implemented a variety of other mitigation strategies

2019 Platform Improvement Project

- DRPT provided \$3.6 million in state funding for local transportation mitigation strategies:
 - City of Alexandria – supplemental local transit service, mobile bus ticketing, travel network operational improvements, bikeshare, water taxi and outreach/promotion of travel alternative
 - Fairfax County – supplemental local transit service and outreach/promotion of travel alternatives
 - PRTC/OmniRide – VRE shuttle and outreach/promotion of travel alternatives
 - NVTC – post-shutdown transit marketing campaign
 - VRE – Amtrak “Step Up” fare buy down subsidy
 - VDOT – temporary bus only lane on I-495 during peak

2019 Supplemental Mitigation Plan

Outcomes/Results

- WMATA shuttles replaced an estimated 60% of Metrorail ridership and transported over 2 million passengers
- State funded DASH supplemental transit service carried over 29,000 passengers during the platform work period
- Over 40,000 passenger trips were provided on state subsidized water taxi service between Alexandria and DC
- Concurrent with the NVTC ad campaign after the platform work period, train and bus trips in Northern Virginia rose by more than 1.7 million in the 4th quarter of 2019, compared to 2018
- MWCOCG analysis found that median travel times and normal traffic bottleneck severity stayed within normal variations for the region during summer 2019

2019 Before & After – King Street



2019 Before & After – Van Dorn Street



2020 Platform Improvement Project

- During Summer 2020, WMATA will reconstruct the platforms and make other improvements at four stations on the Orange Line in Virginia:
 - East Falls Church in Arlington County
 - West Falls Church, Dunn Loring & Vienna in Fairfax County
- There will be no Orange Line rail service west of Falls Church from Saturday, May 23 to Monday, September 7, 2020
- Average AM peak period entries: 12,500
- Project will occur while I-66 projects are also under construction (Express Lanes Outside the Beltway and EB widening Inside the Beltway)

WMATA Mitigation Plan

- Three full station closures: East Falls Church, Dunn Loring & Vienna; West Falls Church to remain open
- Orange Line service will originate at West Falls Church, but will operate on a reduced schedule due to need for single tracking through East Falls Church
- Similar to 2019, WMATA will operate bus shuttles to replace lost rail service
 - Five shuttles currently planned from closed stations to West Falls Church station and Ballston-Rosslyn corridor
 - Operational details to be released in early March
- Free parking at Dunn Loring & Vienna stations for shuttle passengers
- No parking at East Falls Church station
- Parking restrictions begin March 15 for mobilization

WMATA Mitigation Plan

OR Free Shuttle Service

ALL TIMES

Shuttle 1

Between **Vienna** & **West Falls Church** only

Shuttle 2

Between **Dunn Loring** & **West Falls Church**

Shuttle 3

Between **East Falls Church** & **Ballston-MU**

ON REQUEST

Shuttle 4

Provided on request between **Vienna** & **Dunn Loring**

Shuttle 5

Provided on request between
West Falls Church & **East Falls Church**

RUSH HOUR ONLY

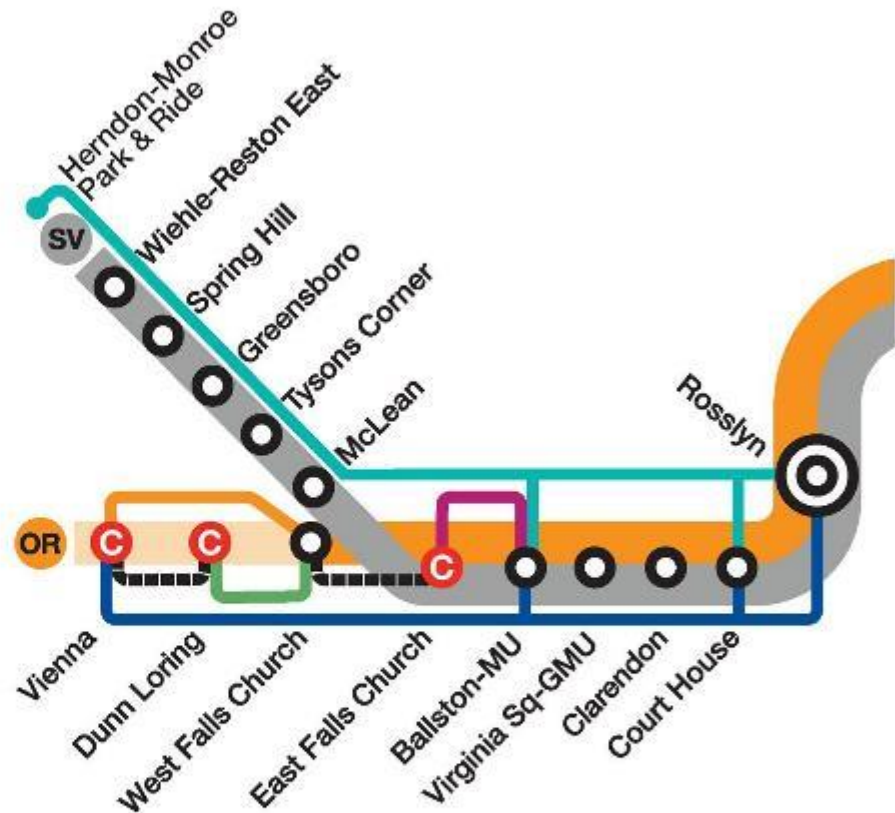
Monday — Friday (peak direction only)
Inbound from 5 to 9 a.m. | Outbound from 3 to 7 p.m.
No service at other times

Shuttle 6

Limited stops at **Vienna**, **Ballston-MU**,
Court House & **Rosslyn**

Shuttle 7

Limited stops at **Herndon-Monroe Park & Ride**,
Ballston-MU, **Court House** & **Rosslyn**



 No **OR** service west of West Falls Church

 Station closed

 Station open

ADA shuttles provided upon request between impacted stations

Regional Network Coordination

- Metro announced 2020 PIP with stations identified in December 2019
- Northern Virginia Stakeholder Group led by Metro and supported by the Northern Virginia Transportation Commission (NVTC)
 - Over 100 members from local government, state government, Congressional offices, federal government, transit providers, police and emergency management, MWA
 - Using 2019 PIP coordination effort as model
- Other coordination efforts include WMATA PIO calls, MWCOC Commuter Connections TDM coordination and VDOT I-66 operational coordination

Virginia Supplemental Mitigation Plan

- Similar to 2019, DRPT is working with local transit agencies, NVTC, and VDOT to develop a plan of supplemental services to complement the WMATA plan.
- The goals of the supplemental plan are:
 - To provide options to impacted transit riders and those that travel major corridors to minimize a shift to single occupant vehicle use during the shutdown period and beyond.
 - To educate local communities on potential changes in travel patterns that may impact normal commuting patterns.
 - To manage demand by incentivizing use of transit, ridesharing, flexible work schedules, and telework.

Funding of Local Transportation Mitigation Strategies

- DRPT is coordinating with local jurisdictions and transit service providers on local mitigation strategies to receive state funding in 2020
 - DRPT will solicit mid-cycle grant applications after WMATA releases details of its mitigation plan in early March
 - DRPT will award mid-cycle grants with funding available for use in early April
 - 80% state funding / 20% local match
- DRPT anticipates awarding grants for mitigation strategies to Arlington County, Fairfax, Fairfax County, Falls Church, NVTC and PRTC/OmniRide

Planned 2020 Local Mitigation Strategies

- Arlington County
 - Enhanced mobile commuter store deployment
 - Congestion and curb management strategies and enforcement near transit stations
 - Wayfinding improvements for pedestrians/bicycles
- Fairfax County
 - Supplemental local transit service on Fairfax Connector
- City of Fairfax
 - Free shuttle service to Burke VRE Station
- PRTC (OmniRide)
 - Supplemental trips as needed to relieve overcrowding on OmniRide I-66 commuter services from Prince William County

Planned 2020 Local Mitigation Strategies

- City of Fairfax
 - Free shuttle service to Burke VRE Station
- City of Falls Church
 - First/Last mile transportation alternatives
 - Congestion management strategies
- NVTC
 - Post station shutdown transit marketing campaign
- DRPT
 - Expanded promotion of teleworking through Telework!VA
- All local jurisdictions and regional transportation entities
 - Outreach/marketing of transportation alternatives during Summer 2020 platform work period

Next Steps

- No CTB action required to support supplemental mitigation efforts
 - DRPT included funding for mitigation in the FY 20-25 SYIP in anticipation of this work
- Localities are already working to deploy strategies in advance of work beginning in May
- Implementation of strategies will be monitored continually – allow for real-time adjustments based on utilization
- After 2020 PIP work, two Virginia stations will require platform reconstruction: Arlington National Cemetery & Reagan National Airport
- Project information: wmata.com/platforms

WMATA Platform Improvement Program – Summer 2020

Commonwealth Transportation Board – March 17, 2020

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





Making Efficient + Responsible Investments In Transit

Transit Capital Application Update

Commonwealth Transportation Board – March 17, 2020

Jennifer DeBruhl

Chief of Public Transportation



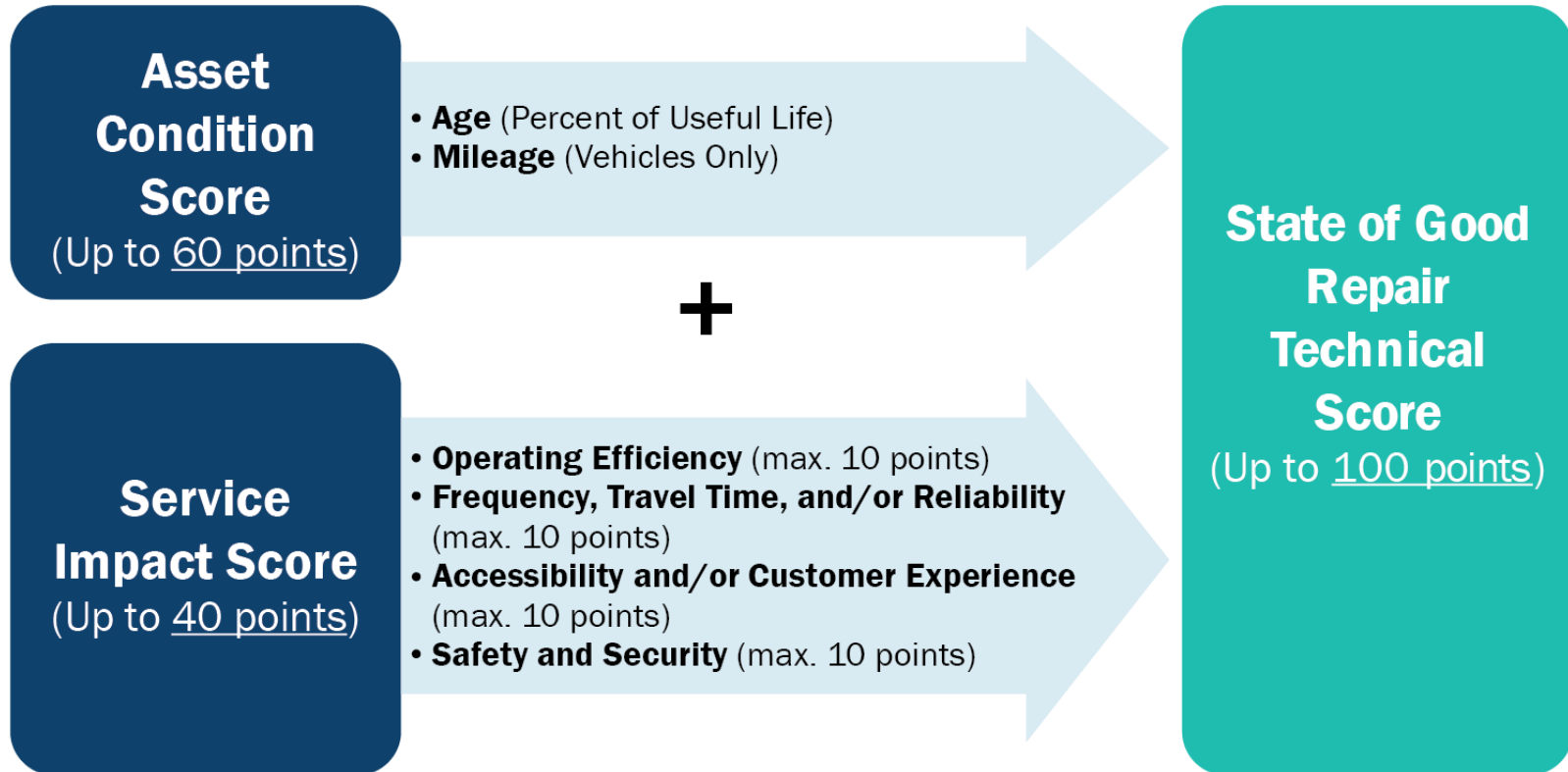
Virginia Department of Rail and Public Transportation

Statewide Transit Capital Prioritization

- **Effective July 1, 2019**
- **State of Good Repair**
 - » *Based on transit asset management principles, including federal requirements for Transit Asset Management*
- **Major Expansion**
 - » *Based on SMART SCALE factors:*
 - Congestion mitigation
 - Economic development
 - Accessibility
 - Safety
 - Environmental quality
 - Land use

Scoring Methodology

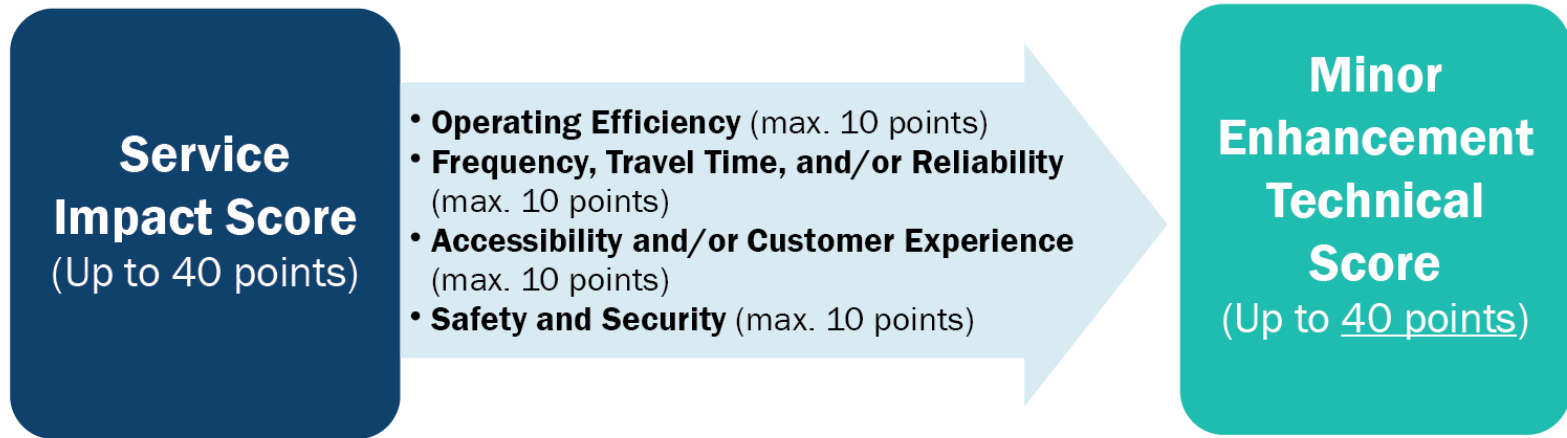
State of Good Repair Projects



State of Good Repair Scoring

- **319 items scored**
- **Scores range from a high of 97 to a low of 9 (out of 100)**
- **Items that scored well:**
 - » *Revenue and support vehicles (replacement/ rehabilitation)*
 - » *Operating and administrative hardware exceeding useful life*
 - » *Replacement of customer facing facilities and infrastructure*
- **Items that did not score well:**
 - » *Items not yet at their useful life for age/mileage*
 - » *Administrative technology*
- **Total State Assistance Requested: \$52.8M**

Scoring Methodology: Minor Enhancement Projects



Minor Enhancement Scoring

- **158 items scored**
- **Scores range from a high of 37 to a low of 8 (out of 40)**
- **Items that scored well:**
 - » *Expansion vehicles*
 - » *Maintenance equipment/parts*
 - » *Small facility and system infrastructure upgrades*
 - » *Equipment and technology for operating support*
- **Items that did not score well:**
 - » *New administrative hardware*
 - » *Administrative software licenses*
- **Total State Assistance Requested: \$71M (includes VRE Track Lease which will move to the Virginia Passenger Rail Authority)**

Major Expansion Projects – Measures by Factor Area

Factor	Measure	Measure Weight
Congestion Mitigation	Change in peak-period transit system ridership attributed to the project	100%
Economic Development	Project consistency with regional and local economic development plans and policies, and support for local development activity	100%
Accessibility	Project improvement in accessibility to jobs, workforce development, and select non-work destinations	50%
	Disadvantaged population (low-income, minority, or limited English proficiency) within walking distance of project	50%
Safety	Project contribution to improving safety and security, reducing risk of fatalities or injuries	100%
Environmental Quality	Reduction in daily vehicle miles traveled resulting from project	100%
Land Use	Transit supportive land use served by the project	100%

Major Expansion Scoring - UPDATE

- **3 Major Expansion Projects scored**
 - » *Ballston Metro Station East Entrance*
 - » *Hampton Roads Transit Mobile Ticketing Project*
 - » *Blacksburg Transit Facility Improvements*
- **“MERIT Scores” (Benefit/Transit Capital Cost) will be developed once the state share of funding is finalized**
- **Total State Assistance Requested: \$34M**

Special Programs

- **Human Service Transportation**
 - » *40 applications (111 vehicles, 23 operating/mobility management)*
 - » *\$6M requested*
- **Demonstration**
 - » *12 applications (6 new services, 6 innovation/technology)*
 - » *\$6.9M requested*
- **Technical Assistance**
 - » *16 applications*
 - » *\$1.9M requested*
- **Intern**
 - » *7 applications*
 - » *\$265K requested*
- **TDM**
 - » *35 applications*
 - » *\$5.2M requested*

Next Steps

- Complete coordination with the Department of Environmental Quality on electric bus applications (VW Mitigation Trust)
- Complete coordination with the Office of Research and Innovation on Demonstration Projects
- Develop funding recommendations
- Develop draft Six Year Improvement Program and present to CTB in May



Making Efficient + Responsible Investments In Transit

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4 Legislative Update

Nick Donohue, Office of the Secretary of Transportation

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Dr. Laurie Forlano, Deputy Commissioner, Virginia Department of Health

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