

# VIRGINIA RAILWAY EXPRESS

## FY2020 - FY2025

### TRANSIT DEVELOPMENT PLAN

TPB Regional Public Transportation Subcommittee  
April 24, 2018



A BETTER WAY. A BETTER LIFE.

# VRE SYSTEM FACTS

Joint project of two  
Transportation Commissions



9 member jurisdictions

3 host railroads

Two lines, 90 route-miles

4.7 million annual riders between  
Virginia and DC (19,000 daily trips)

Metro connections at five VRE  
stations



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# VRE TRAVEL PATTERNS



- L'Enfant is the busiest station
  - Primarily a destination
  - Nearby offices
  - Metro connections
- Next three busiest destinations
  - Union Station
  - Crystal City
  - Alexandria
- Busiest origin stations at the end of lines
- End of line stations feature large park and ride lots



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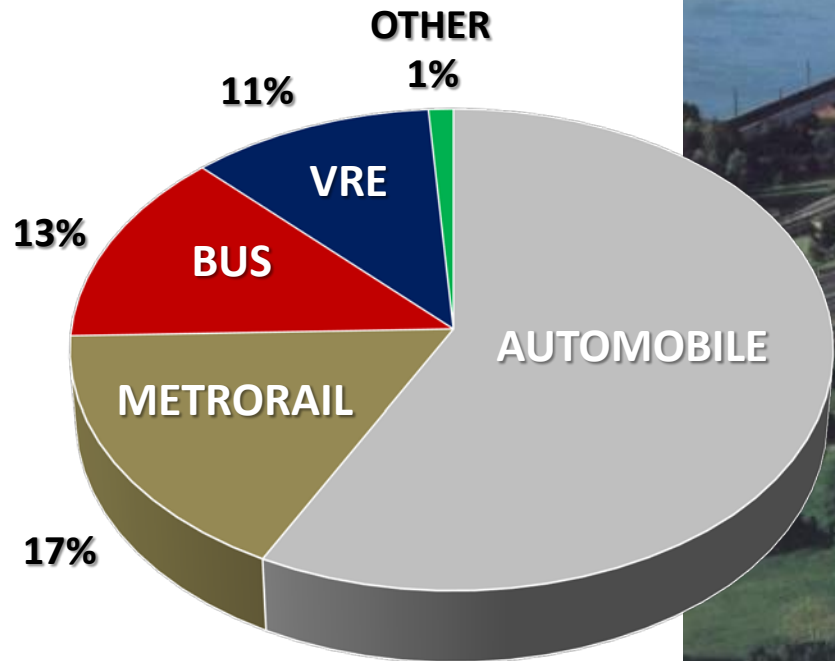
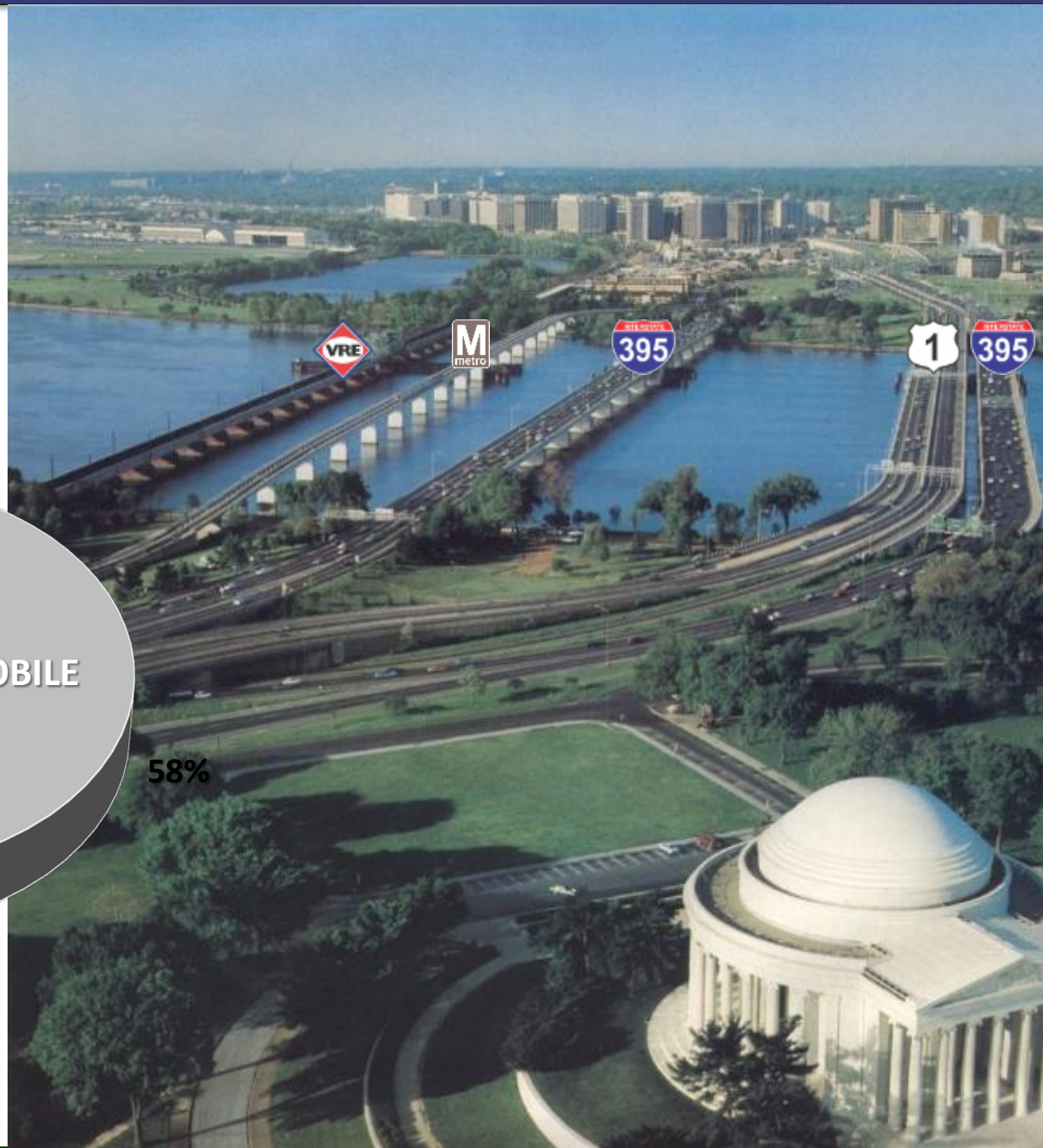
# REGIONAL COLLABORATION

- WMATA Metrorail
  - Expands the reach of VRE
  - Used by 17% of VRE riders
- Amtrak Virginia Trains
  - Step-Up fares available
  - Faster ride option for longer trips
- Other Transit Services
  - Fare integration (local bus, MARC)
  - Exploring opportunities for through running (MARC)



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# Peak Hour Trips from Virginia to DC across the 14<sup>th</sup> Street Bridges (6:30 to 7:30 AM)



**21,934 TOTAL TRIPS**



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# ROLE OF THE TRANSIT DEVELOPMENT PLAN



## Internal perspective (VRE)

*Summarizes and coordinates near term actions and initiatives to achieve VRE's long range vision*

## External perspective (DRPT)

*Commonwealth transit agencies identify needs, service changes, required funding, and local priorities to meet near and long term opportunities and challenges*



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## Long Range Plans



VRE System Plan Summary

January 2014

## Strategic Financial Forecasting

Presented to

VRE Operations Board

February 19, 2016

presented by  
Donna Boxer, CFO  
Christine Hoeffner, Project Development Manager  
Melvin Waldrop, Sr. Managing Consultant, PFM

## Transit Development Plan



### TRANSIT DEVELOPMENT PLAN FY2020 – FY2025

Prepared by the  
Virginia Railway Express

For submittal to the  
Virginia Department of Rail  
and Public Transportation

## Annual Work Plans



### FLEET MANAGEMENT PLAN

May 2017

### National Transit Database and Asset Management Reporting

Task 3 – Overview of FTA Asset Management Requirements  
White Paper

Final  
August 21, 2016



Prepared by  
STV *100* years

### Virginia Railway Express (VRE) Facilities Maintenance Plan



Revised April 2017



# SINCE THE LAST MAJOR TDP UPDATE ...

*Transit  
Development  
Plan Adopted*

- Long Range Life Cycle Maintenance Action Plan completed
- Final order placed for replacement railcars

- Fredericksburg Line extended
- Spotsylvania Station opens
- New train added on the Fredericksburg Line
- Internal VRE management audit conducted
- Mobile ticketing launched

- 25<sup>th</sup> Anniversary celebrated
- Most recent FTA Triennial Review
- Broad Run Expansion option selected by VRE Board
- SmartScale grant (93 M) awarded for FBG Line Capacity Expansion
- I-66 OTB funds (129 M) awarded for MSS Line Capacity Expansion

2012

2013

2014

2015

2016

2017

- Doug Allen appointed CEO
- Woodbridge Station Kiss and Ride facility opens
- Amtrak releases master plan for Washington Union Station

- 2040 System Plan adopted
- TIGER grant awarded for Long Bridge project development

- System Plan 2040 Financial Plan completed
- Atlantic Gateway project funds Long Bridge design and additional track construction
- Highest single day of ridership of 23,309 (7/12/16)
- Transit Asset Management Plan initiated

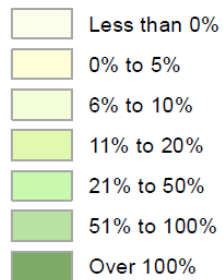




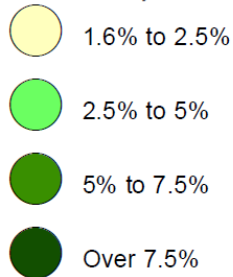
# POPULATION CHANGES (2013-2016)

Higher population growth at outlying stations

Census Block Group Population Change (2013 - 2016)



Station Catchment Area Population Change (2013 - 2016)

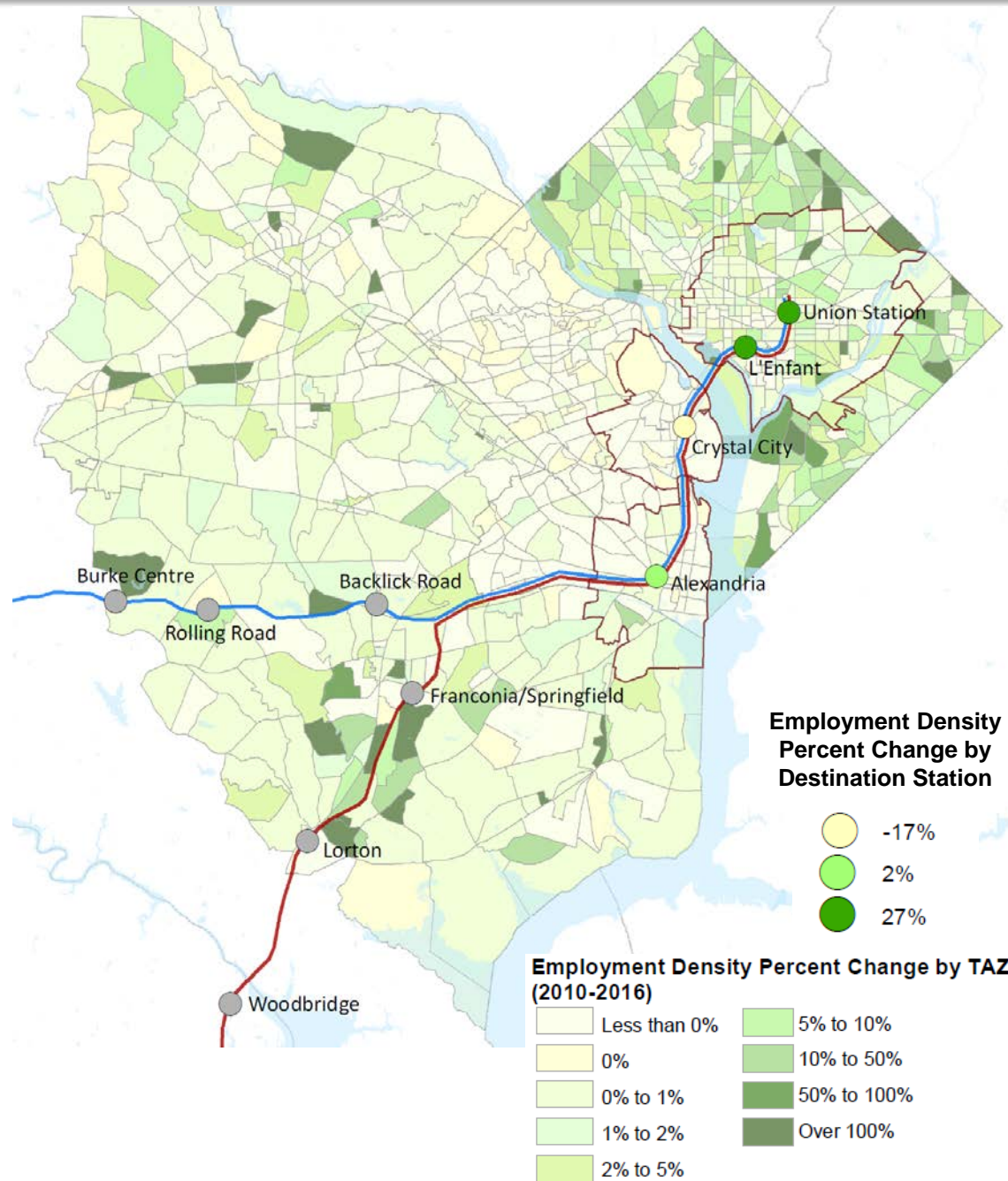


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# EMPLOYMENT CHANGES (2013-2016)

Employment has shifted away from VRE destination stations, e.g. Crystal City

New locations with employment concentrations, e.g. Franconia-Springfield to Lorton corridor



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# PROPOSED VRE TDP GOALS

- **GOAL #1 – SERVICE DELIVERY**

Deliver safe, secure, high-quality, and convenient service that is responsive to customer needs.

- **GOAL #2 – BUSINESS PRACTICES**

Employ industry-leading business practices to drive operating efficiency, project delivery, regulatory compliance, and partnerships.

- **GOAL #3 – SERVICE ENHANCEMENT**

Expand VRE ridership efficiently and economically through operational enhancements, physical improvements, and coordinated intermodal integration throughout the region.





## MISSION

“The Virginia Railway Express (VRE), a joint project of the Northern Virginia Transportation Commission and the Potomac and Rappahannock Transportation Commission, will provide safe, cost effective, accessible, reliable, convenient, and comfortable commuter-oriented rail passenger service. VRE will contribute to the economic development of its member jurisdictions as an integral part of a balanced, intermodal regional transportation system.”

### GOAL #1

**Deliver safe, secure, high-quality, and convenient service that is responsive to customer needs.**

**Objective 1.1** – Maintain a positive safety culture.

**Objective 1.2** – Maintain a secure environment on trains and at facilities.

**Objective 1.3** – Act on improvements identified through annual customer surveys and other feedback.

**Objective 1.4** – Track monthly performance indicators and address trends requiring action internally or with partners.

### GOAL #2

**Employ industry-leading business practices to drive operating efficiency, project delivery, regulatory compliance, and partnerships.**

**Objective 2.1** - Proactively maintain all assets in a state of good repair.

**Objective 2.2** - Demonstrate accountability and good stewardship to host railroads, funding partners, commissions, contractors, and regulatory entities.

**Objective 2.3** - Implement technology to streamline administrative and operational functions and project delivery.

**Objective 2.4** - Provide training and oversight too promote workforce development and create a positive work environment.

**Objective 2.5** - Seek opportunities to incorporate environmentally conscious practices, design, and equipment.

### GOAL #3

**Expand VRE ridership efficiently and economically through operational enhancements, physical improvements, and coordinated intermodal integration throughout the region.**

**Objective 3.1** - Execute the adopted Capital Improvement Plan.

**Objective 3.2** - Pursue strategies and partnerships to serve new markets.

**Objective 3.3** - Support and advocate for regional initiatives that benefit the delivery of multimodal transportation solutions.

**Objective 3.4** - Advance project readiness and operational planning to be able to tap into emerging revenue sources.

#### Potential Performance Measures:

Operating ratio    Parking utilization    Average daily ridership    System capacity    On-Time performance

Train speed    Locomotive availability    Testing & Training    Employee injuries    Crew availability    Fare recovery    VRE Mobile users

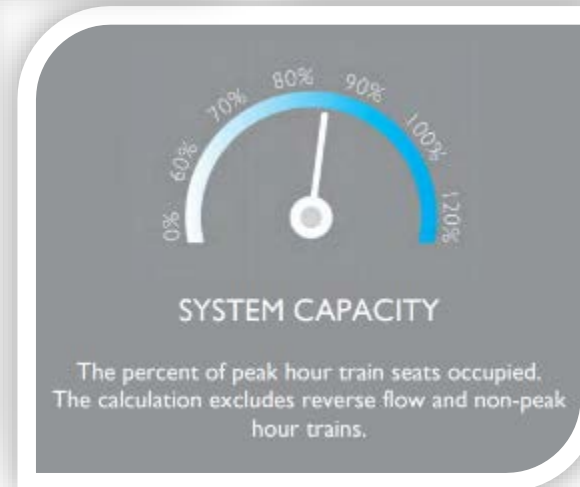
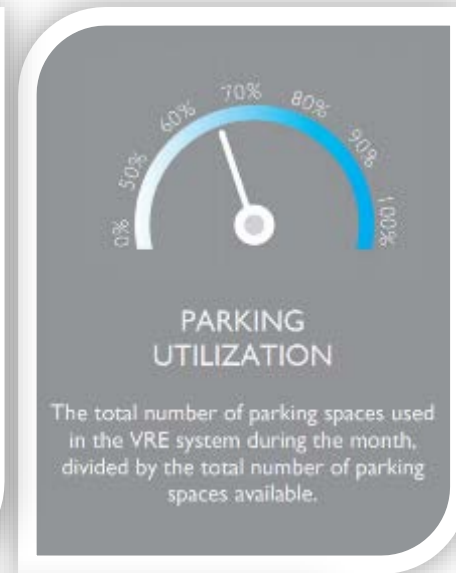
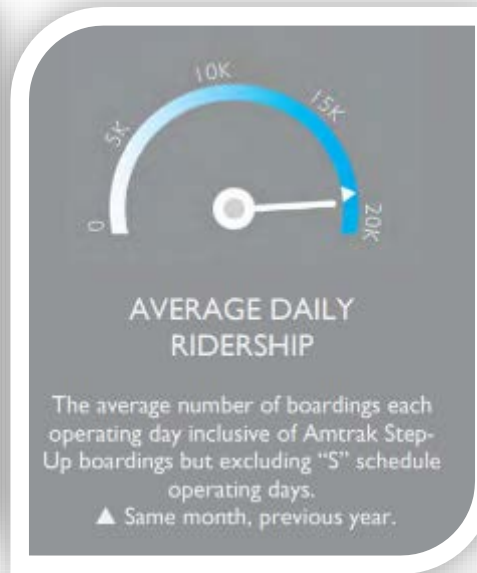
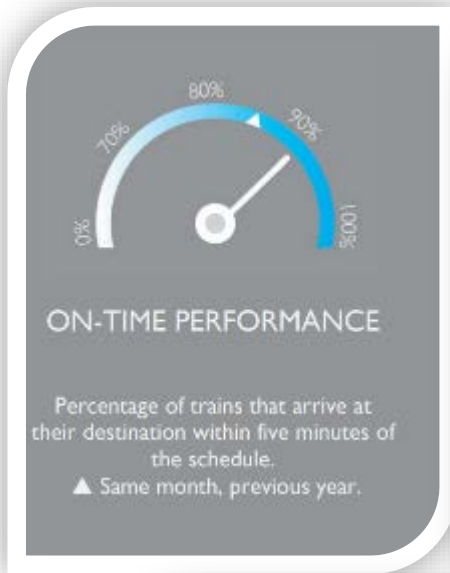
Customer complaints    New riders    Marketing events    Successful grant applications    Project schedule/budget variance    Intermodal transfers



# OBJECTIVE CATEGORIES/DISTRIBUTION



# HOW VRE CURRENTLY MEASURES SUCCESS



# PROCESS, MILESTONES AND OUTCOMES



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