



COMMONWEALTH of VIRGINIA

Office of the

SECRETARY of TRANSPORTATION

Interstate 81 Corridor Improvement Program and Fund Update

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Deputy Secretary of Transportation

December 2019



2019 Acts of Assembly



- **Chapters 837 and 846- CTB Report Requirements**
- **Report by December 15 to General Assembly**
 - Performance of the I-81 corridor
 - Effectiveness of operational strategies and capital improvements
 - Status of projects
 - Current and projected I-81 Fund balances
- **Annual program allocation**
- **Financing plan**
- **Schedule of projects and strategies**

Performance Measures- Baseline



Safety and Performance of I-81, including:

- **Crash frequency and severity**
- **Person hours of delay**
- **Number of incidents involving lane closures**
- **Average duration of incidents involving lane closures**

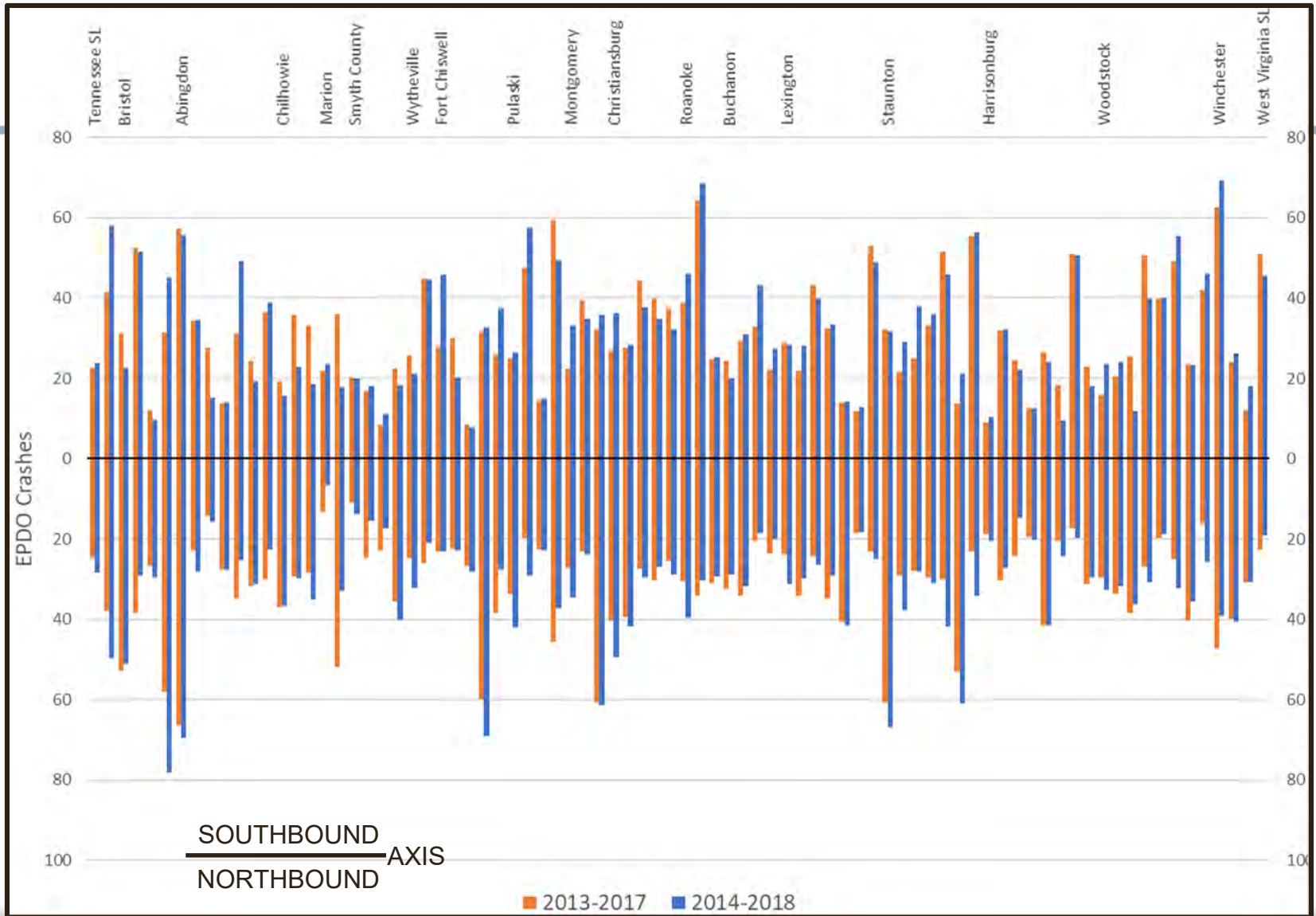
Performance Measures- Baseline Comparison

Comparison of I-81 Corridor Improvement Plan measures

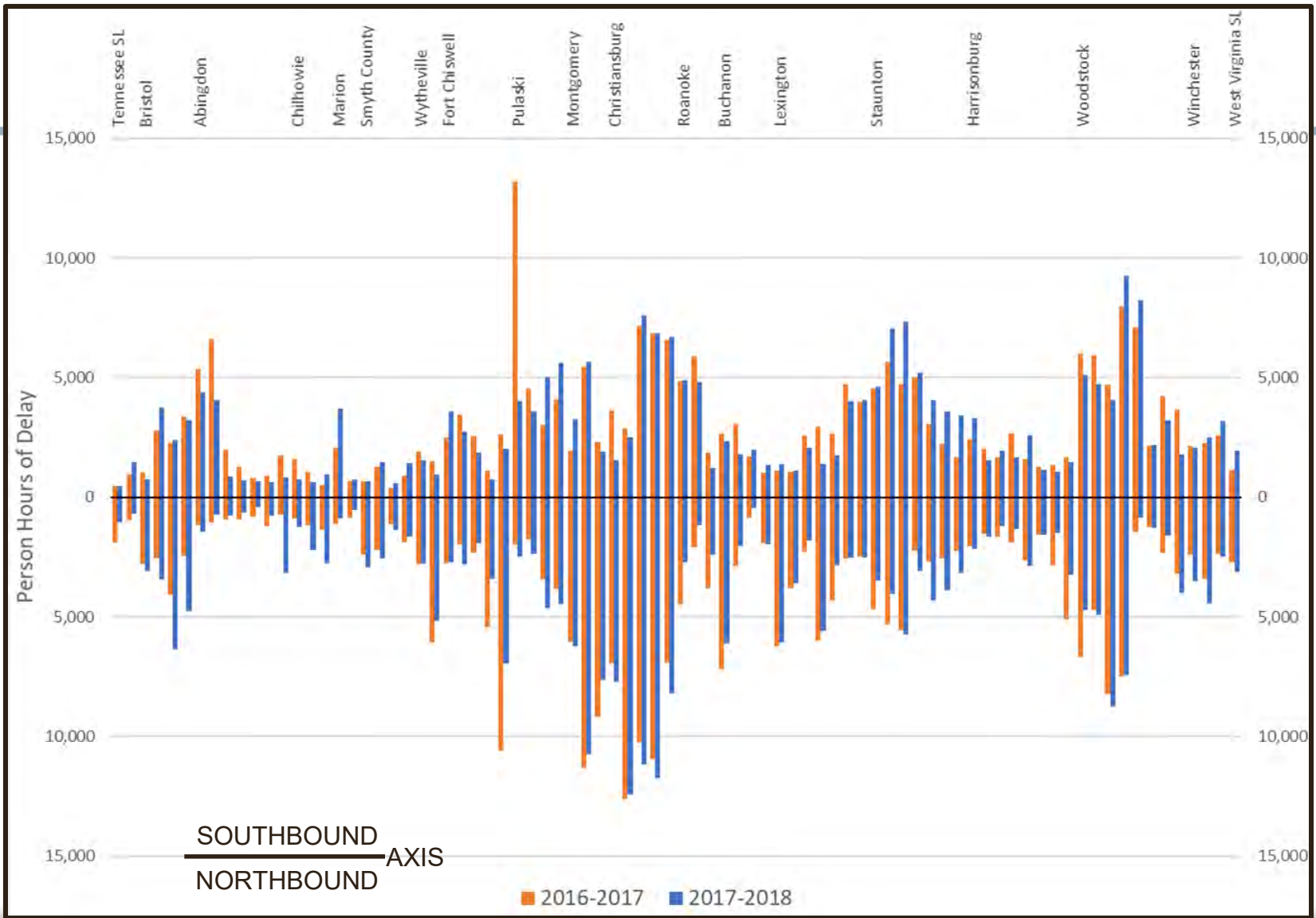
- 2013-2017 to 2014-2018 for crash measure and
- 2016-2017 to 2017-2018 for delay, lane impacting incidents, and total hours lane closures measures

| Performance Measure | I-81 Corridor-wide % Change |
|------------------------------|-----------------------------|
| EPDO Totals Per Mile | 2.3% increase |
| Person-Hours of Delay | 5.0% decrease |
| Lane-Impacting Incidents | 16.0% increase |
| Total Hours of Lane Closures | 20.0% increase |

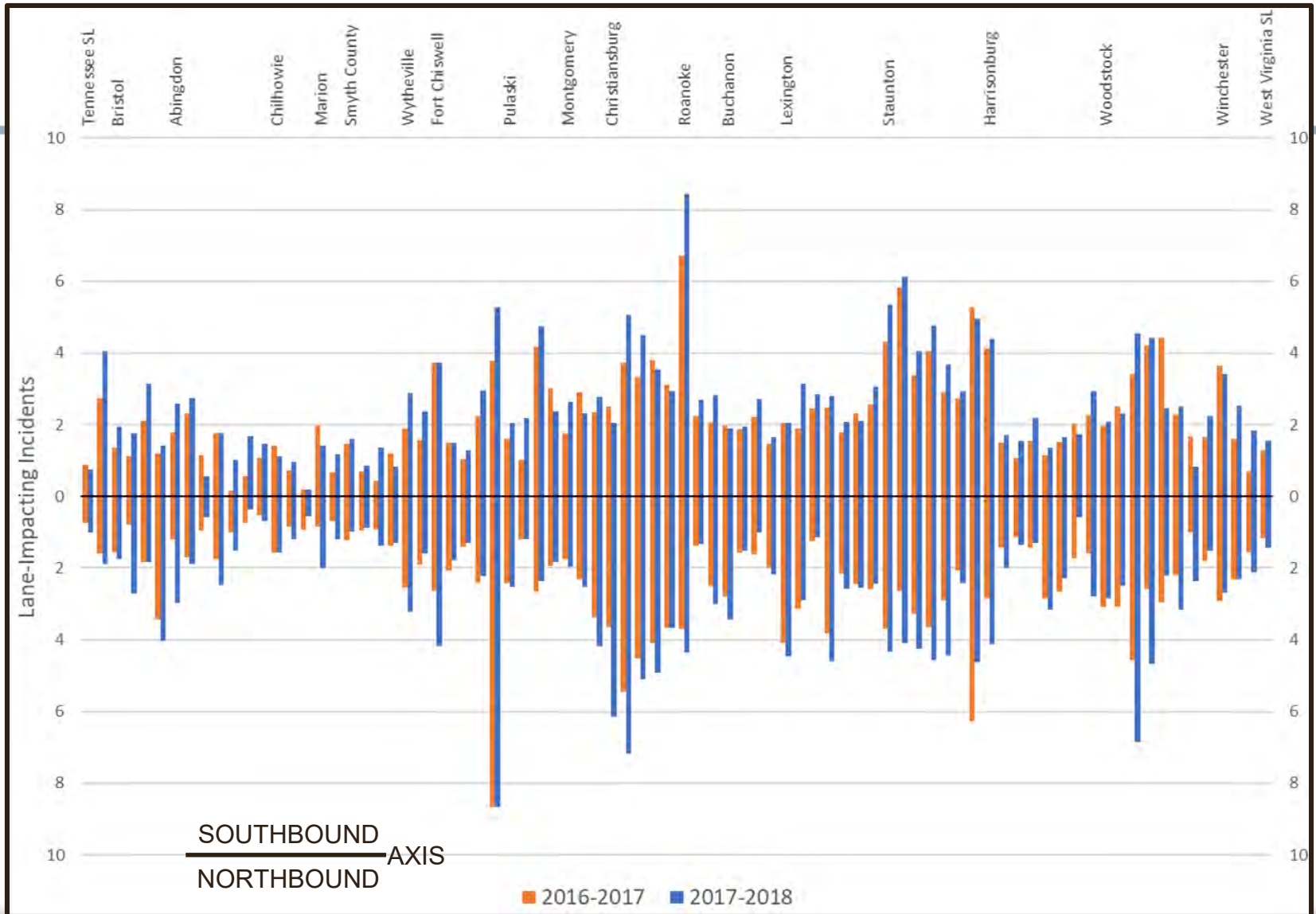
Performance Measures- EPDO Crashes per Mile



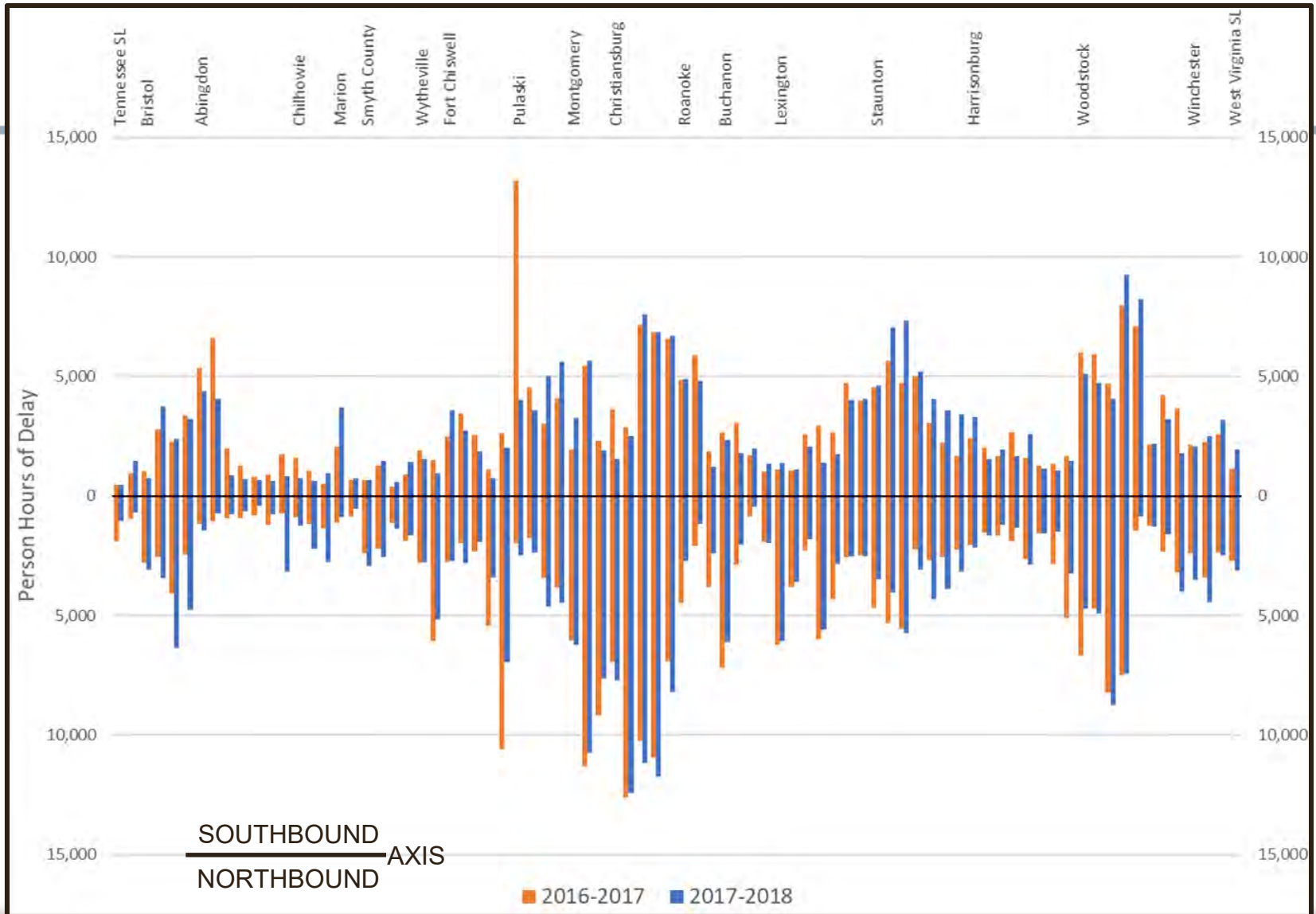
Performance Measures- Person-Hours of Delay



Performance Measures- Lane-Impacting Incidents



Performance Measures- Average Incident Duration



Assessment of Strategies



- **2019 is the first year of implementation of operational and capital improvements**
 - **July 2019: Safety Service Patrol expansion**
 - **Fall 2019: Curve improvement installations (flashing chevrons)- multiple locations**
 - **Fall 2019: Camera installations- multiple locations**
 - **Fall 2019/Spring 2020: CMS installations- multiple locations**
- **Study team will rely on a minimum of one year of data following the implementation of the program or project**
- **Results to be reported in 2020**

Program Schedule

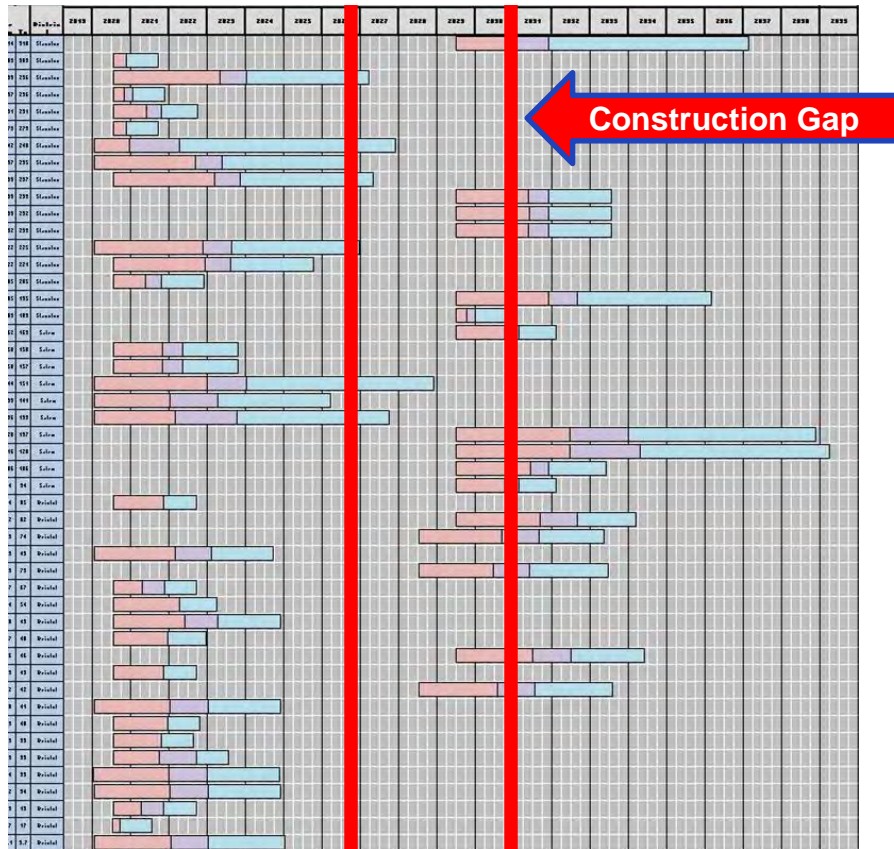


- **16 projects included in initial FY2020-2025 SYIP**
- **31 projects amended into FY2020-2025 SYIP in October**
- **Currently assumes a Pay-Go financing scenario**
- **Remaining 17 projects to be added in 2028/2029 under Pay-Go**

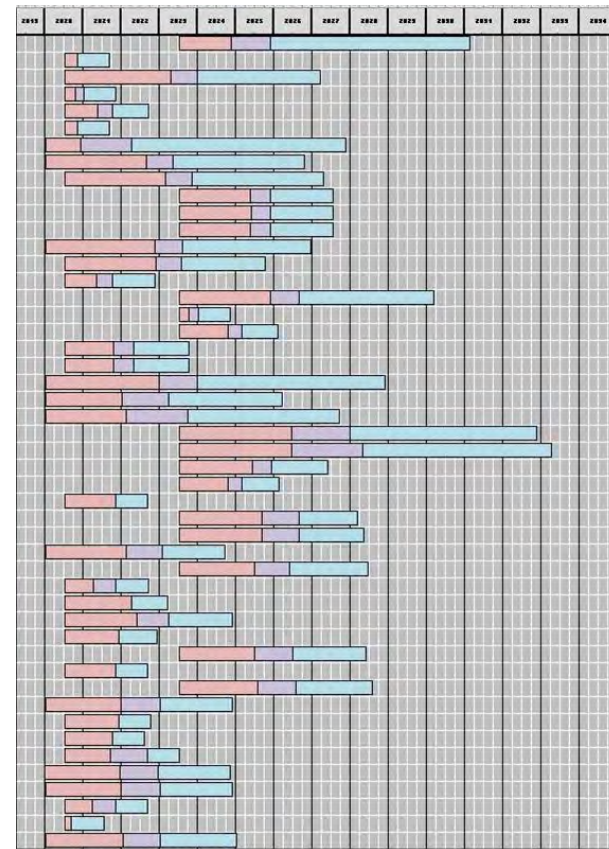


Program Schedule

Pay-Go Schedule



Bonding/TIFIA Schedule



Annual Program Allocations and Financing Plan



| | Current | FY21 | FY22 | FY23 | FY24 | FY25 | FY26 | Total |
|-------------------------|----------|--------------|------------|------------|------------|------------|--------------|----------------|
| Total Available | 103.5 | 132.0 | 162.1 | 163.4 | 161.9 | 163.4 | 163.4 | 1,049.7 |
| Total Programmed | 103.5 | 122.4 | 152.5 | 153.8 | 161.7 | 163.2 | 0 | 857.1 |
| Total Remaining | 0 | 9.6 | 9.6 | 9.6 | 0.2 | 0.2 | 163.4 | 192.6 |

- **Reflects allocations in FY2020-2025 Six-Year Improvement Program as of December 1, 2019**
- **Incorporates October Board amendment to add 31 projects from I-81 Plan**
- **Assumes Pay-Go financing**
- **Should GA approve bonding, remaining 17 projects in out years can be accelerated**

Takeaway Scorecard



| Activity | Status | Anticipated Completion |
|--|----------|---|
| Safety Service Patrol | Complete | July 2019 |
| Curve Improvements (8) | Underway | Fall 2019 |
| Initial Accel/Decel Lane Extensions (8) | Underway | Spring 2021 |
| Additional Cameras (51) | Underway | Spring 2020 |
| Additional Changeable Message Signs (31) | Underway | Spring 2020 |
| Remaining Capital Projects (48) | TBD | Under Pay-Go Scenario, ~21 years for delivery Under Bonding Scenario, ~12 years for delivery |



Interstate 81 Corridor Improvement Plan

What's Happening

The Commonwealth Transportation Board (CTB), with assistance from the Office of Intermodal Planning and Investment, the Virginia Department of Transportation (VDOT) and the Department of Rail and Public Transportation (DRPT), studied the entire length of the Interstate 81 corridor in the Commonwealth of Virginia in 2018.

The CTB **approved** the I-81 Corridor Improvement Plan on Dec. 5, 2018 and the study's findings were reported to the General Assembly. The study identified a \$2 billion package of projects for the corridor.

During the 2019 General Assembly, two bills were introduced regarding the Interstate 81 Corridor Improvement Plan, Senate Bill **1716** and House Bill **2718**. The bills did not identify dedicated revenue sources for funding the project package. On March 28, 2019, Governor Northam **announced amendments** to the bills, which would provide for dedicated funding sources for projects identified as priorities. The amendments were passed by the General Assembly and signed by Governor Northam on April 3, 2019, now establishing the 2019 Acts

Localities: Augusta, Botetourt, City of Bristol, Frederick, City of Harrisonburg, Montgomery, Pulaski, Roanoke, City of Roanoke, Rockbridge, Rockingham, City of Salem, Shenandoah, Smyth, City of Staunton, Washington, City of Winchester and Wythe counties

Districts: Bristol, Salem, and Staunton