



I-81 Corridor Improvement Plan



I-81 Corridor Improvement Plan

District Public Input Meetings

<p>Wednesday, June 6, 2018 Bristol District Southwest Higher Education Center One Partnership Cir Abingdon, VA 24210</p>	<p>Tuesday, June 12, 2018 Staunton District (north) Strasburg High School <u>250 Ram Drive</u> <u>Strasburg, VA 22657</u></p>
<p>Wednesday, June 13, 2018 Staunton District (south) Blue Ridge Community College Plecker Center for Continuing Education One College Lane Weyers Cave, VA 24486</p>	<p>Thursday, June 14, 2018 Salem District Holiday Inn Valley View <u>3315 Ordway Drive,</u> <u>Roanoke, VA 24017</u></p>



Agenda

- Overview of I-81 Corridor Improvement Plan Purpose
- Summary of Safety, Congestion and Resiliency Data
- How to Provide Input
- What to Expect Next



What is Senate Bill 971?

Directs the Office of Intermodal Planning and Investment (OIPI) to develop an I-81 corridor improvement plan and report the results to the Commonwealth Transportation Board (CTB).

The plan will:

- Identify segments of I-81 for improvement
- Identify targeted set of improvements for each segment that can be financed by evaluated financing options
- Include corridor-wide incident management strategies
- Evaluate concepts to minimize impacts on local truck traffic and diversion of truck traffic
- Identify truck parking needs
- Assess economic impacts on corridor from tolling only heavy commercial trucks



I-81 Corridor
Improvement Plan



I-81 Corridor Significance



11.7
MILLION TRUCKS PER YEAR



\$312
BILLION IN GOODS PER YEAR



42%
OF STATEWIDE INTERSTATE
TRUCK VMT



≈ 11,000
CRASHES OVER 5 YEARS



APPROX.
30
CRASHES PER YEAR
(WITH CLEARANCE TIMES
GREATER THAN 6 HOURS)

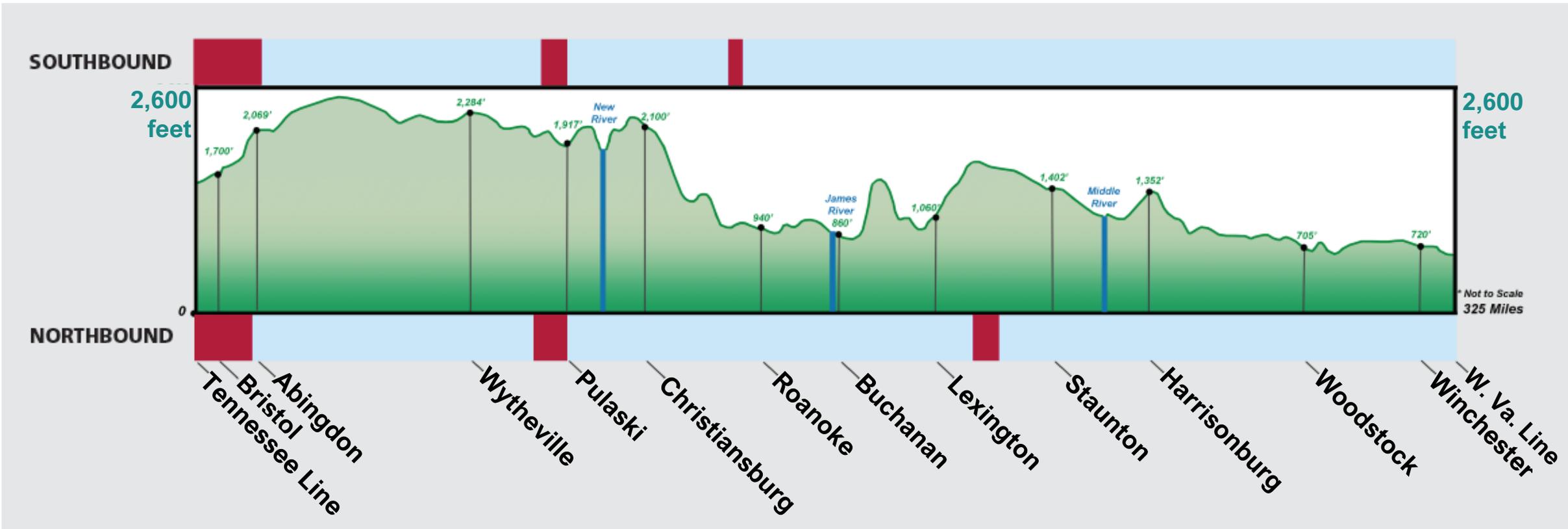
* Data sources include TRANSEARCH INSIGHT and VDOT data between 2012 and 2016



I-81 Corridor
Improvement Plan



I-81 Elevation Profile



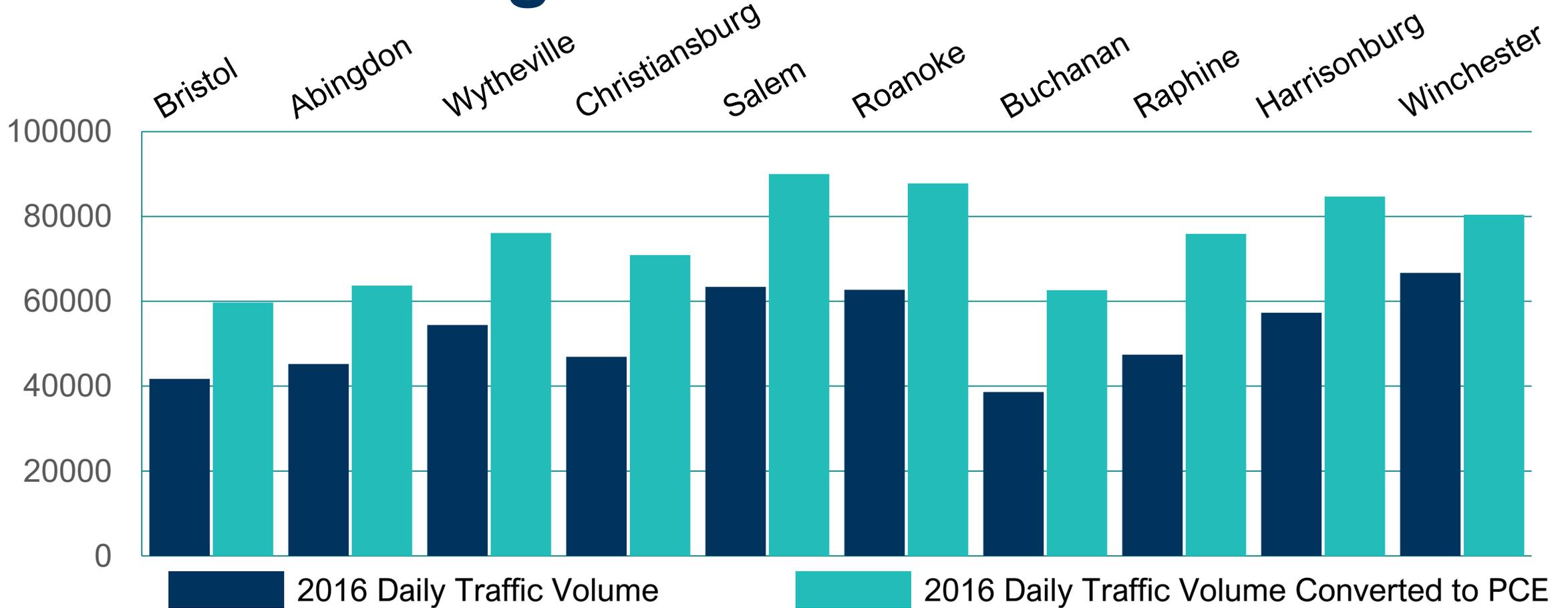
LEGEND: 3-LANE SECTION
 2-LANE SECTION



I-81 Corridor Improvement Plan



Effect of Length of Grade and Trucks

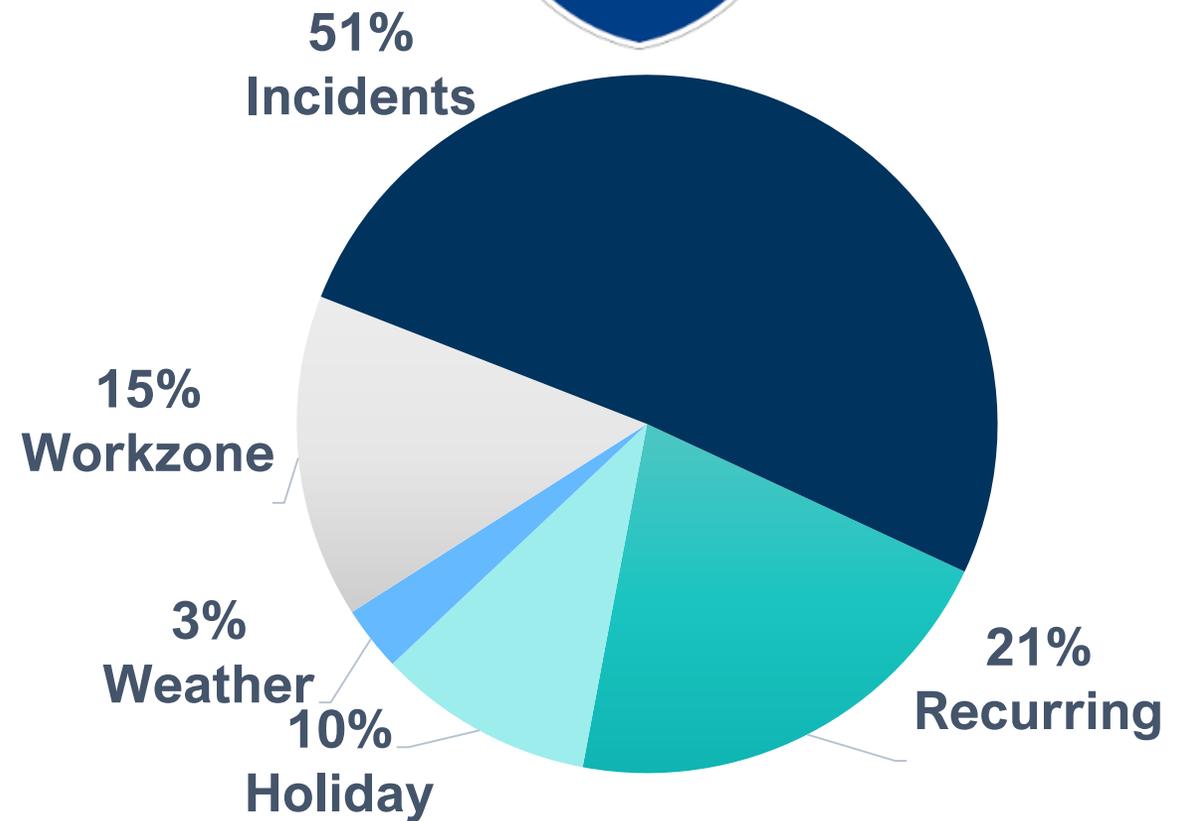
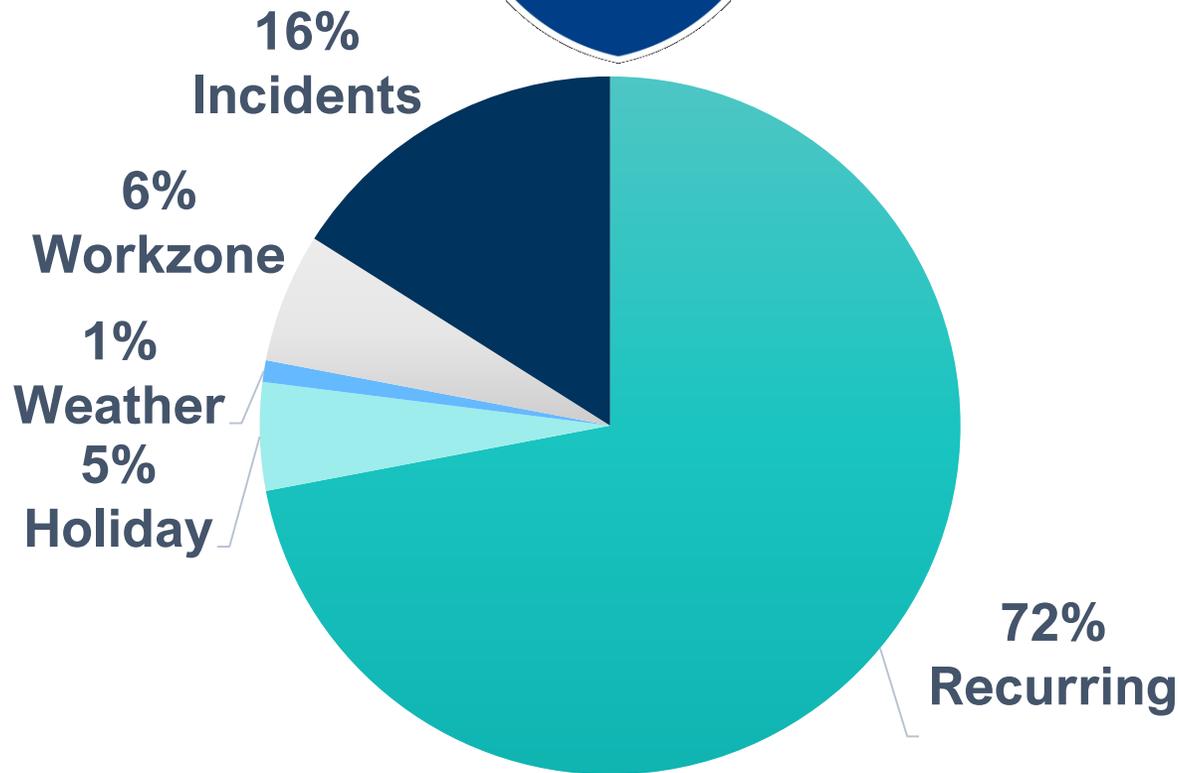


Description: Daily traffic volume adjusted to account for the effects of the number of trucks and type of terrain

Definition: PCE = Passenger Car Equivalent (factor used to convert trucks into passenger cars)

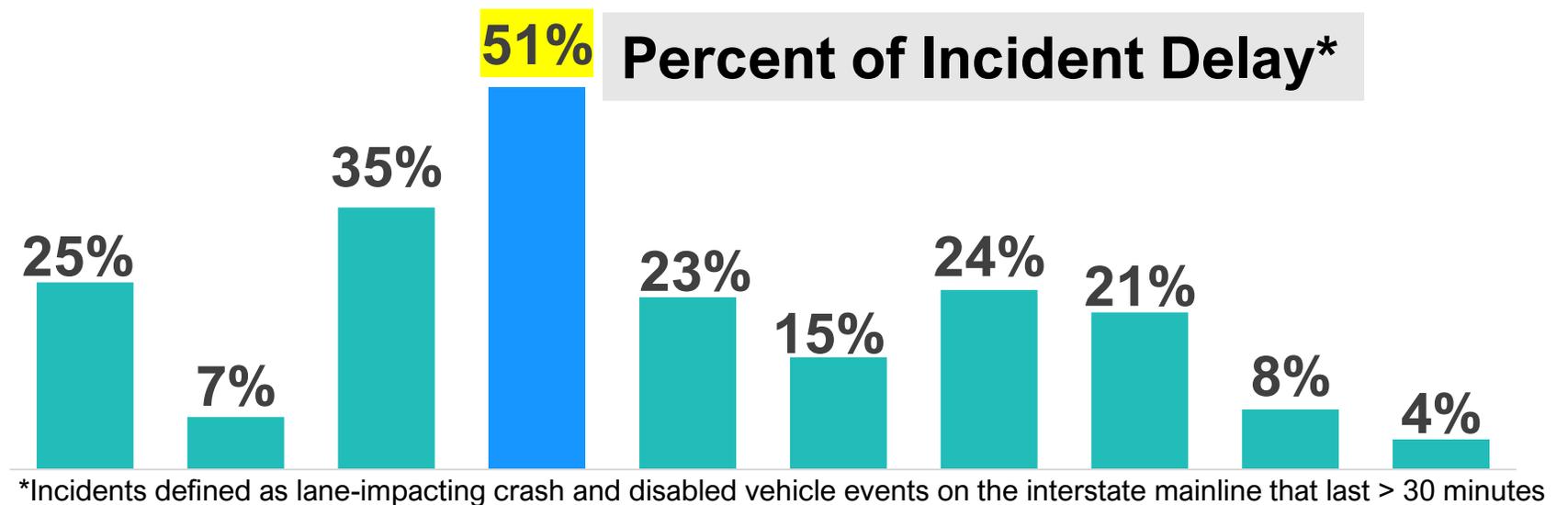
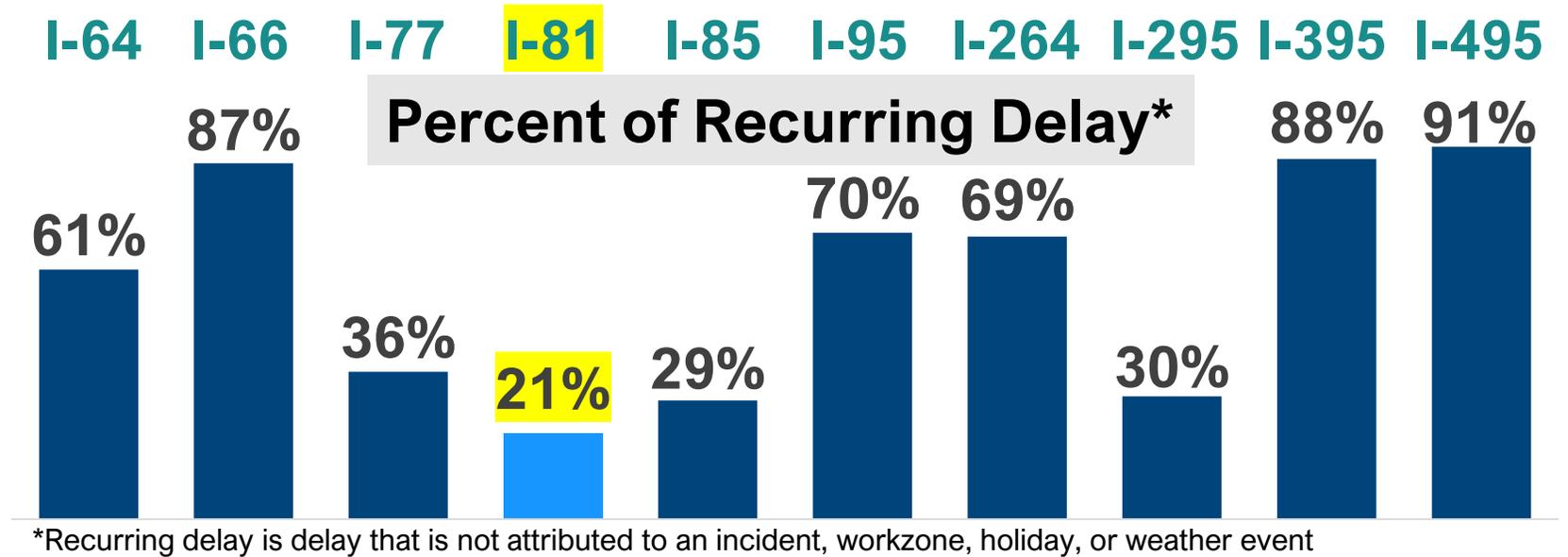


What Makes I-81 Unique...Delay



What Makes I-81 Unique...Delay

I-81 has the **lowest** proportion of Recurring Delay and the **highest** proportion of Incident Delay than any other interstate in Virginia



I-81 Corridor Improvement Plan

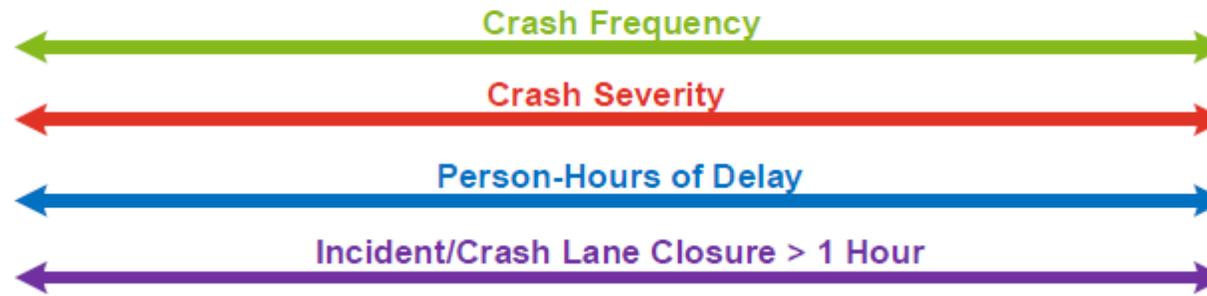


Where We are Right Now

Problem Identification

- Reviewing entire I-81 corridor to identify areas for improvement based on identified problems
 - Safety (crash frequency and severity)
 - Congestion (person-hours of delay)
 - Resiliency (incidents or crashes causing lane closures greater than one hour)

Performance Measures



Performance Measures Definitions

- Safety
 - Crash frequency: number of crashes during the last 5 years
 - Crash severity: fatal and severe injury crashes during the last 5 years
- Congestion
 - Person-hours of delay: hours of delay caused by congestion, incidents, and weather events resulting in vehicles operating below the posted speed limit (accounting for occupancy of vehicles)
- Resiliency
 - Incident/crash lane closure > 1 hour: incidents/crashes that lead to at least one lane of the interstate being closed for an hour or more



Information For You to View Tonight

- Background information
- Display boards with performance measure information
- Corridor overview board
- Comment sheets to *provide your input*



I-81 Corridor
Improvement Plan



Providing Input on the Display Boards

- Place **RED DOTS** in areas that are a **safety concern** to you
- Place **BLUE DOTS** in areas where you **experience congestion issues**
- Place **YELLOW DOTS** in areas that you see **other issues** and provide a staff member with an explanation



Next Steps

- Study team will use your feedback and data to develop recommended improvements
- August public meetings
 - Develop improvement recommendations and evaluate tolling feasibility
- October public meetings
 - Improvement recommendation packages and economic impact of tolling



Providing Feedback

- Participate in dot activity this evening
- Fill in and submit comment sheet (this evening or via mail)
- Project website: <http://www.VA81Corridor.org>
- Project e-mail address:
VA81CorridorPlan@OIPI.Virginia.gov
- VDOT Project Manager: Ben Mannell, 1401 E. Broad St.,
Richmond, Virginia 23219 or by phone at (804)786-2971



Providing Feedback...VA81Corridor.org



What's Being Done

The Office of Intermodal Planning and Investment, the Virginia Department of Transportation and the Department of Rail and Public Transportation are developing a plan to study the entire length of the Interstate 81 corridor in the Commonwealth of Virginia.

As directed in **Senate Bill 971** (now 2018 **Acts of Assembly Chapter 743**), the study team will identify targeted improvement along I-81 and potential revenue sources that could be dedicated to improvements. SB 971 was introduced by Senators Mark Obenshain and Bill Carrico, and supported by Delegate Steve Landes with budget language in the House of Delegates budget bill.

The Commonwealth Transportation Board (CTB) will receive briefings during the study time frame.

Begin date: June 2018

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

Contact: Ben Mannell, project manager, 804-786-2971



I-81 Corridor
Improvement Plan



Online Tool...<https://arcg.is/a1014>

Public Meeting Displays

View the public meeting **presentation** and **handout**.

View project meeting **displays** ahead of the first series of corridor public meetings.

View **displays** on I-81 focused in the District.

The CTB was presented with a **briefing** on the I-81 Corridor Improvement Plan at its May meeting in Bristol.

Provide Comments

- Provide verbal or written comments at an in-person meeting
- Email VA81CorridorPlan@OIPI.Virginia.gov
- Call 804-786-2971
- Online mapping tool: <https://arcg.is/a1014>
- Mail - Attn: Ben Mannell, 1401 E. Broad St., Richmond, Virginia 23219

The first comment period will end Aug. 6, 2018. Additional comment opportunities will be available throughout the study.



I-81 Corridor
Improvement Plan



Open House

- Participate in dot activity this evening
- Fill in and submit comment sheet (this evening or via mail)
- Project website: <http://www.VA81Corridor.org>



I-81 Corridor
Improvement Plan



Thank you for coming tonight!



I-81 Corridor
Improvement Plan

