

Interstate 81 - 325 Miles in Virginia



I-81 Corridor Significance



11.7
MILLION TRUCKS PER YEAR



\$312
BILLION IN GOODS PER YEAR



42%
OF STATEWIDE INTERSTATE
TRUCK VMT



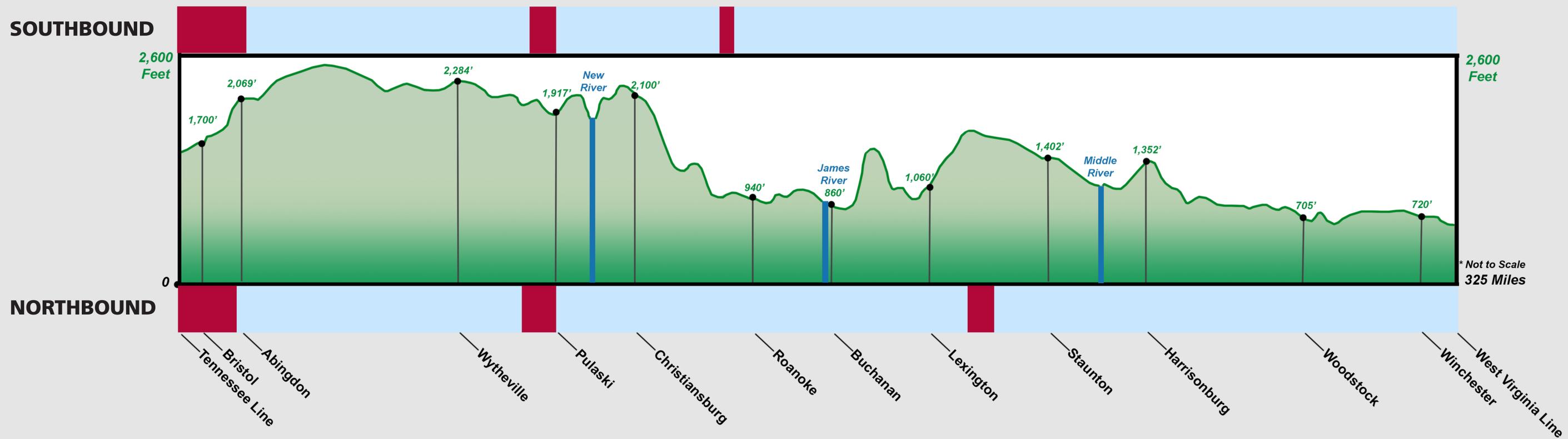
≈ 11,000
CRASHES OVER 5 YEARS



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

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

Interstate 81 Elevation Profile



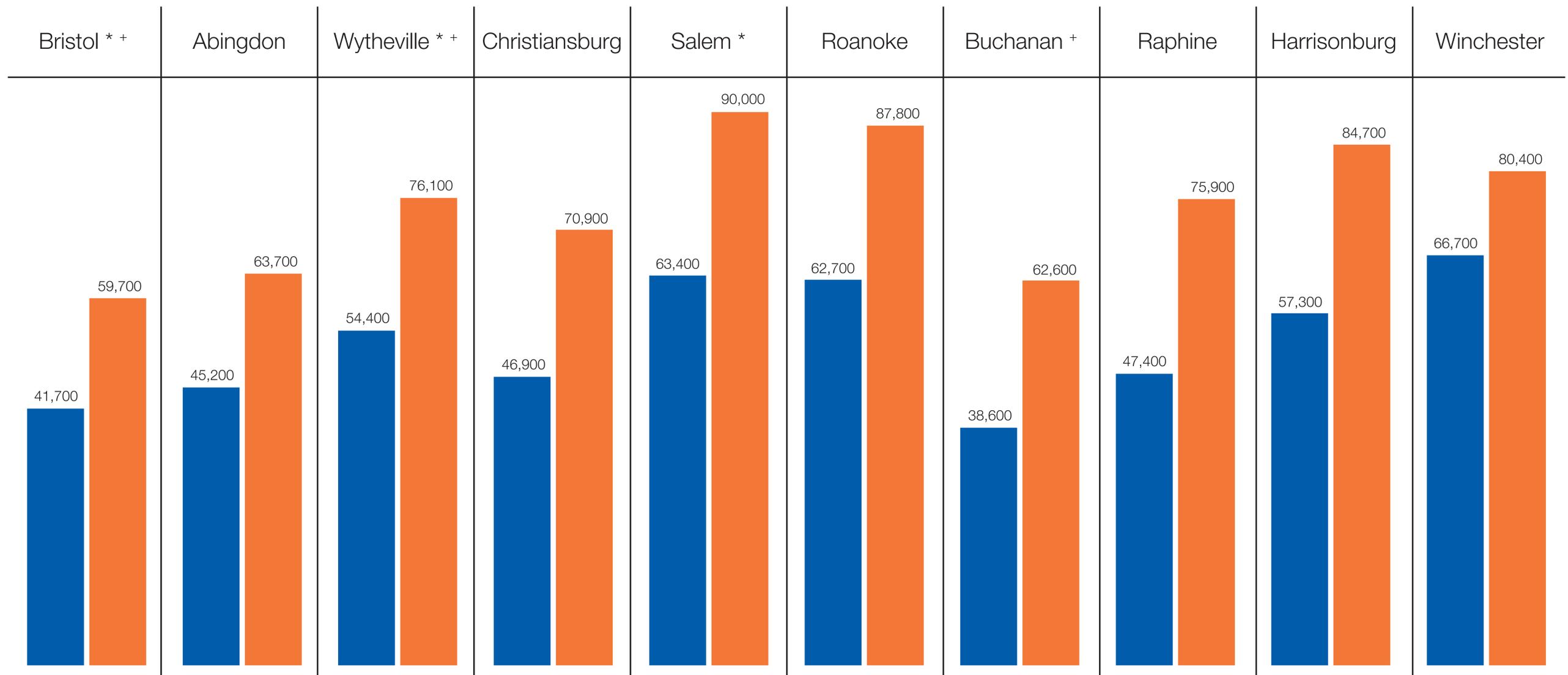
LEGEND:

- 3-LANE SECTION
- 2-LANE SECTION

Effect of Length of Grade and Trucks on I-81



2016 AADT Versus Passenger Car Equivalent (PCE) AADT



Source: VDOT continuous traffic count stations and Statewide Planning System

Description: Traffic volume that has been 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)

■ 2016 AADT
■ 2016 AADT converted to PCE

* Portions of section are three lanes in southbound (*) and/or northbound (+)

SB971 – Legislation Requirements



TOLL REVENUES EXPENDED

where collected only to benefit the I-81 corridor

TARGETED RECOMMENDATIONS

evaluated using consistent performance measures

LOCAL TRUCK TRAFFIC

impacts minimized

TOLL FINANCING FEASIBILITY

through HOT lanes or heavy commercial vehicles

PARALLEL ROUTES

evaluate through truck prohibition and diversion

FINANCING SENARIOS

truck tolling impacts on specific economic sectors
agriculture and manufacturing

INCIDENT MANAGEMENT

strategies corridor-wide

TRUCK PARKING

potential additional locations