I-81 Traffic Volume Trend


Average Daily Vehicle Miles of Travel (DVMT)
I-81 Traffic Deaths


- Number of People Killed: 30, 25, 27, 24, 21, 29, 31
- Death Rate per 100 MVMT: 0.00 to 0.70
Truck Involved Deaths

• From 2000-2006:
  – 42% of deaths on I-81 involved at least one truck (73 of 175 deaths)
  – 29% of deaths on I-95 involved at least one truck (68 of 231 deaths)

• There are a comparable number of trucks traveling on I-95 as on I-81; however, trucks are a smaller percentage of total vehicles on I-95 than on I-81.
Death Trends on Virginia Interstates

Traffic Deaths Comparison of I-81, I-95, I-77 and I-64

Number of People Killed

Year

2000 2001 2002 2003 2004 2005 2006

I-95 I-64 I-77 I-81
Progress to Date: Managing Traffic

- Two traffic centers serve I-81 corridor
  - Staunton and Salem
- 70+ changeable message signs; 12 RWIS sites
- Safety Service Patrol covers 106 miles
  - In October, added service to I-81/I-77 overlap
Progress to Date: Major Ramp Extension

- Exit 313 Abrams Creek interchange
  - Ramp extension, including new bridge
  - Approximately $10 million
Progress to Date: Four New Bridges

- Rockbridge County near Lexington
  - Maury River and Buffalo Creek bridges
  - Included 1.3 miles of NB climbing lane
  - $62.5 million investment
Funded Ramp Extensions

- Nearly two dozen locations identified at $50 million
- Seven funded in current SYIP for $11.4 million
- Ad dates: 4th quarter 2007 to 1st quarter 2009
Example: Exit 315 on-ramps at Winchester

- Ad date: 4th quarter 2007; estimated cost: $2 million
- Heavy development feeding the interstate
Funded Truck Climbing Lanes

- 12 locations identified at estimated cost of $366 million
- Two locations selected and funded in current SYIP
  - Rockbridge County, northbound; Montgomery County, southbound
- I-81 profile shows long, steep grades in these locations
Rockbridge County, Northbound TCL

- North of Lexington near Fairfield
- Public hearing scheduled for tomorrow, Nov. 8
- Construction: spring 2008
Montgomery County, Southbound TCL

- Ironto to Christiansburg
- Surveying and engineering work under way
- Public hearing: summer 2008
- Construction: late fall 2008
Unmet Needs

- Additional 16 locations for ramp extensions
  - Estimated cost: $33.4 million
- Up to 10 additional locations for truck climbing lanes
  - Estimated cost: more than $200 million
- Bridges need continued attention:
  - 90% of bridges are older than 40 years
  - 14 bridges and three culverts are structurally deficient
  - Estimated cost for replacements: $78 million