



Interstate 81 Exit 150: A Case Study in Access Management – Part 1

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I-81 Exit 150 (Troutville): A Critical Link



- I-81, Routes 11, 220, 460 and the Appalachian Trail come together in this area.
- One of the most important connections between central VA, western VA, and the Shenandoah Valley
- More than 85,000 vehicles travel through this area each day.
- All through one signal!
- Continued growth is expected.

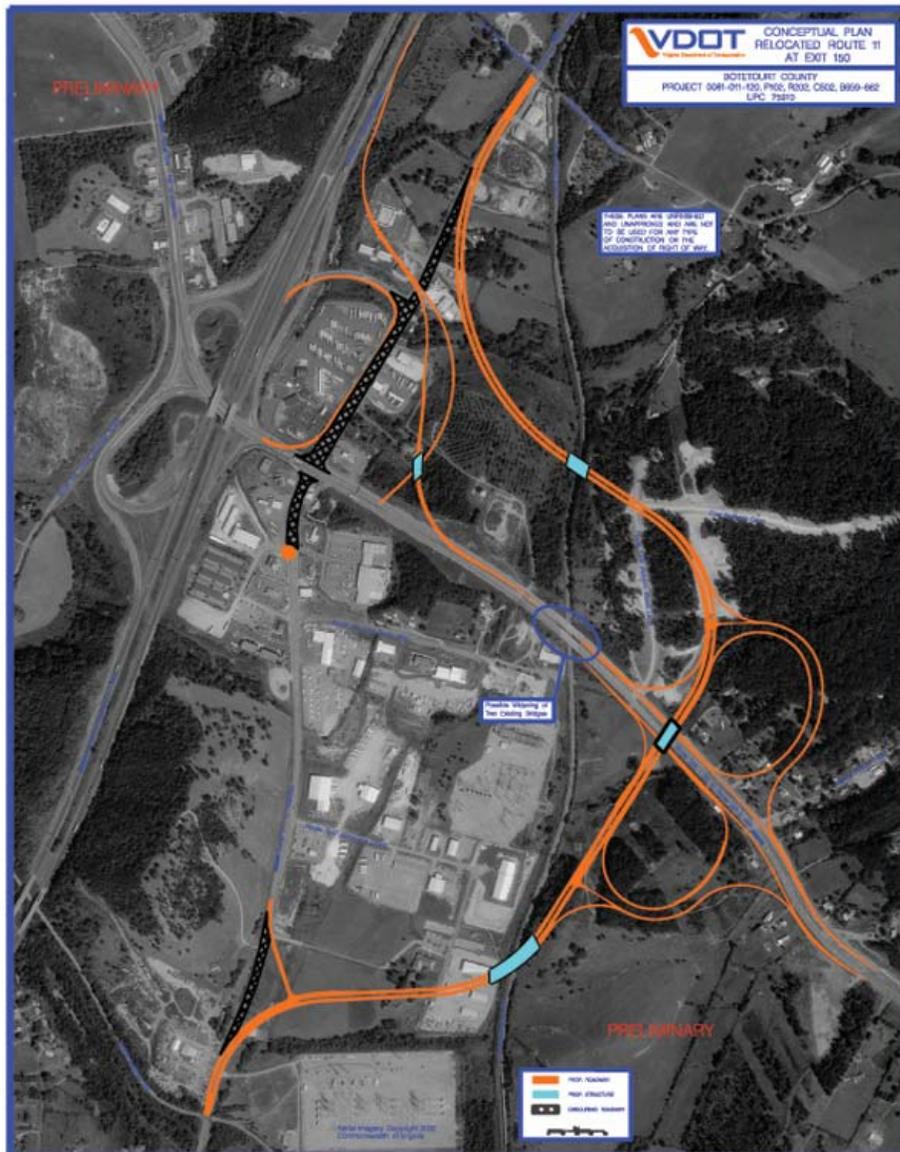
**I-81 Exit 150
10/17/07**



Exit 150 Truck Stop



Exit 150: Previous Concept



- The original improvement concept included relocating Route 11 away from I-81.
- By 2007, the cost for Exit 150 solutions had grown to more than half a billion dollars.

Exit 150: Fresh Approach



- A fresh approach is needed.
- What will access management look like?

Exit 150: Context Sensitive Solutions



- VDOT met with the Botetourt County Board of Supervisors to identify problems at the exit.
- In June 2007, a citizen information meeting was held to gather feedback on which safety improvements are most important to the public.
- Based on that feedback, VDOT is looking at a family of solutions.

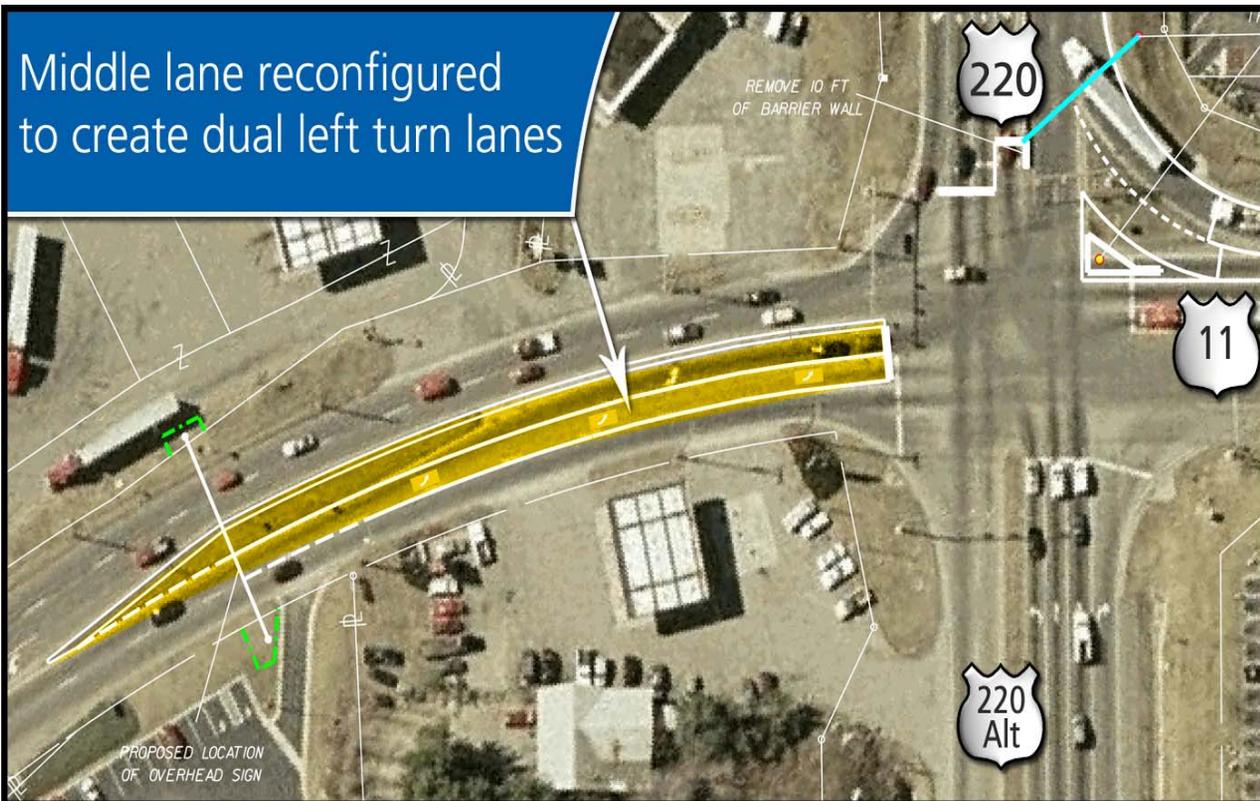
Exit 150: Applying Access Management Principles



Recent Safety Improvements

- Optimized signal timing to allow for better traffic flow.
- Reconfigured existing lanes to allow for dual left turning movements from Route 220 southbound to Route 11 northbound. This minimizes exit ramp back up.

Exit 150: Short-Term Safety Improvements



Improvements to be completed in the next six months

- Create dual left turn lanes from Route 11 northbound onto Route 220.
- Remove a 10-foot section of median barrier on Route 220.
- Relocate signal and remove guardrail from the island.

Exit 150: Future Plans



Access Management

- VDOT will work with a consultant to analyze the entire interchange area in order to develop the most effective operational and access management improvements within the \$20.5 million budget allocated for Exit 150 in the FY08-13 SYIP.
- With land use commitments from local government, access management will be the key to improving Exit 150.

To be continued ...

