



## **Crescent Corridor Concept**

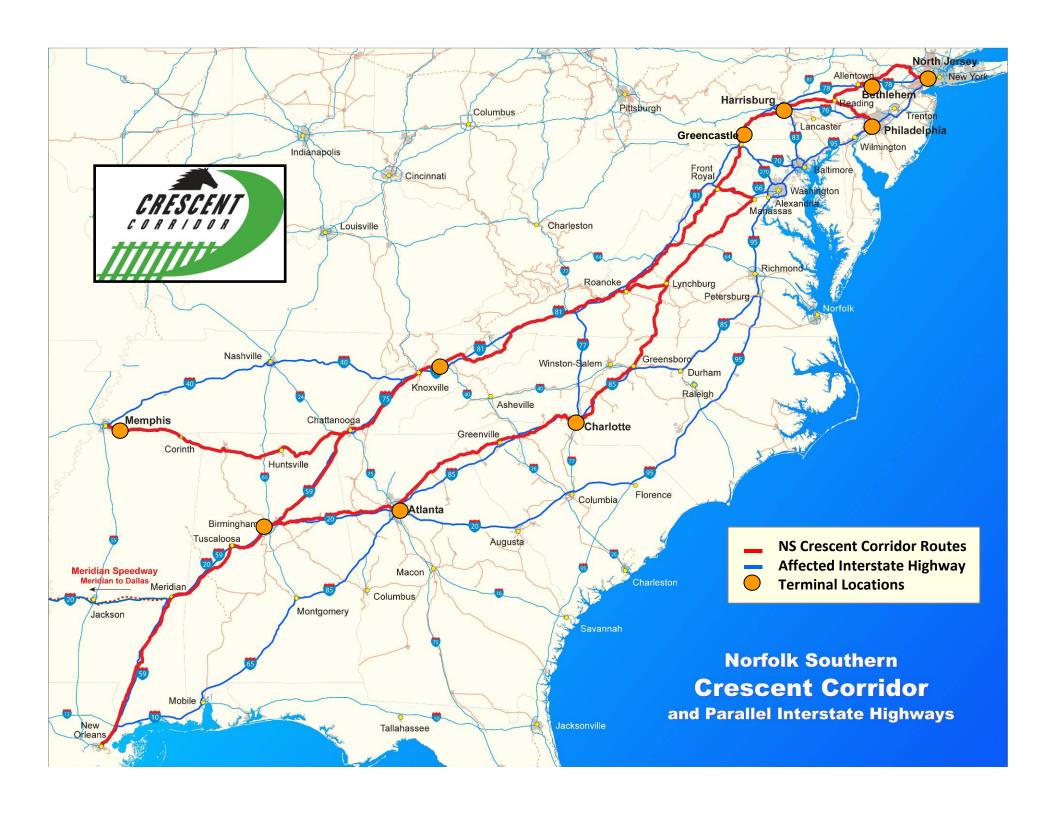
- 2500-mile network of intermodal trains
  - Domestic freight
  - > 500 mile hauls
- Schedules geared to truckers' needs
- High level of reliability
- 28 +/- additional trains

## **Long-Haul Truckers Are Our Customers**

- They want us to develop intermodal services in this corridor
- Major motor carriers are becoming "bi-modal"
- Ongoing challenges
  - Highway congestion
  - Driver shortages
  - Increased costs

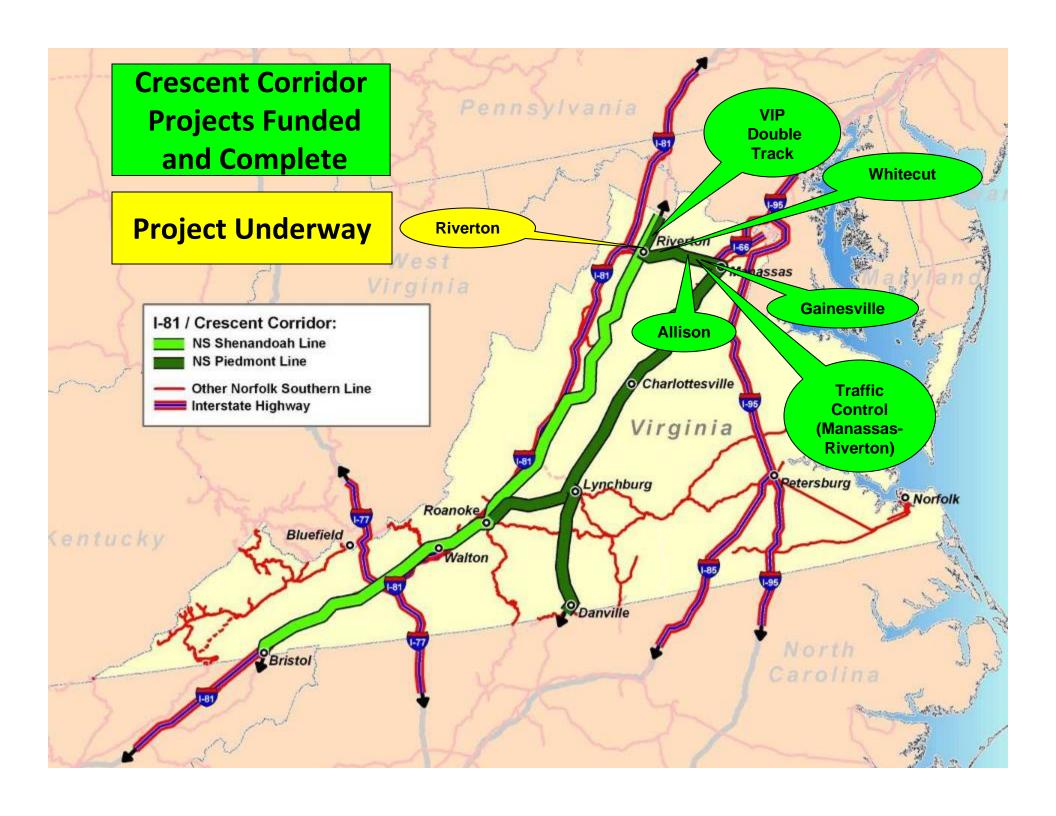


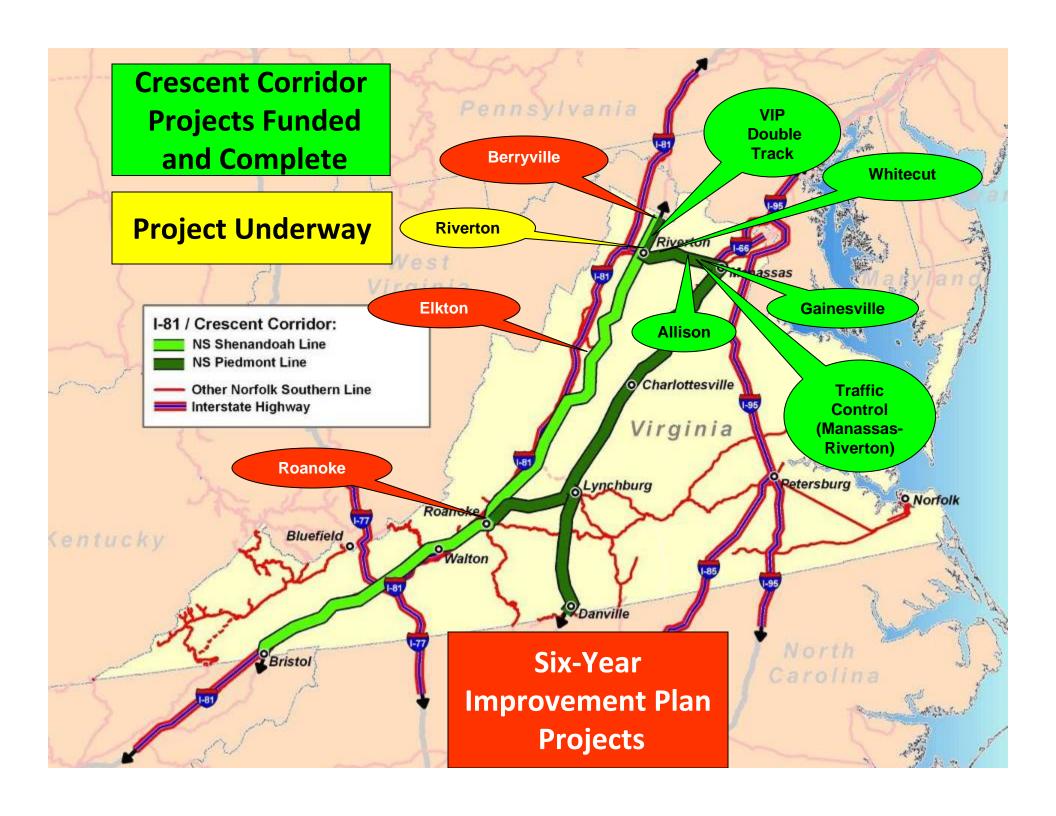
- Five new terminals
- Five enlarged terminals
- Higher speeds
- More passing tracks
- Choke point elimination
- Total cost: \$2.5 billion +



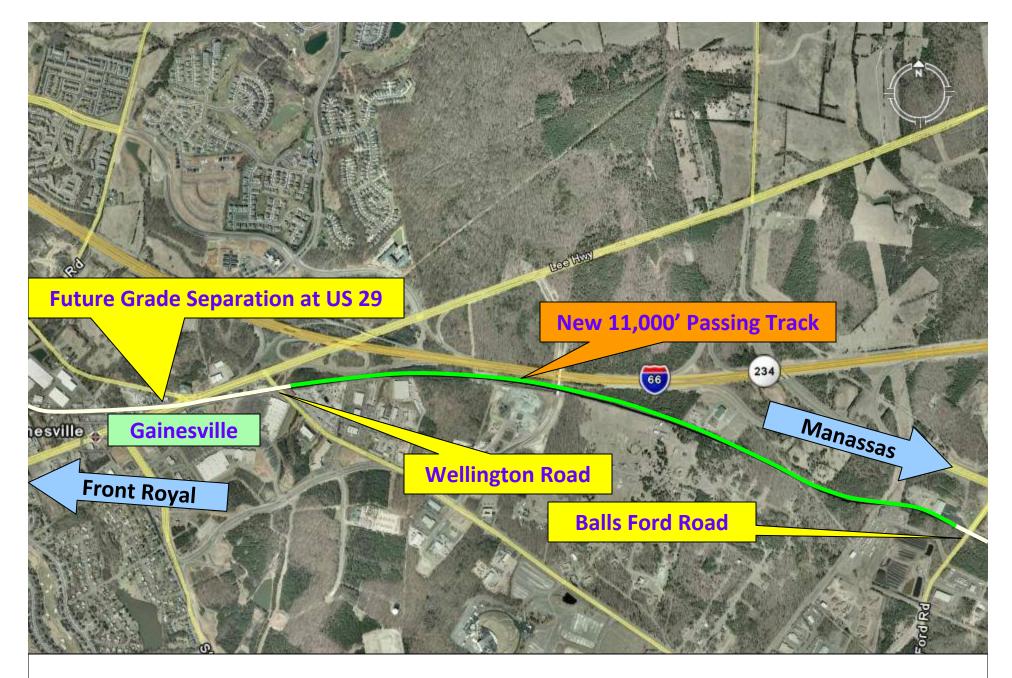
## **Commonwealth Funding**

- 2007 Grant
  - \$61 million total project value
  - \$43 million from Commonwealth
  - One project still underway
- Six Year Improvement Plan (2010-2015)
  - \$34 million total project value
  - \$24 million from Rail Enhancement Funds
  - Begin 2010









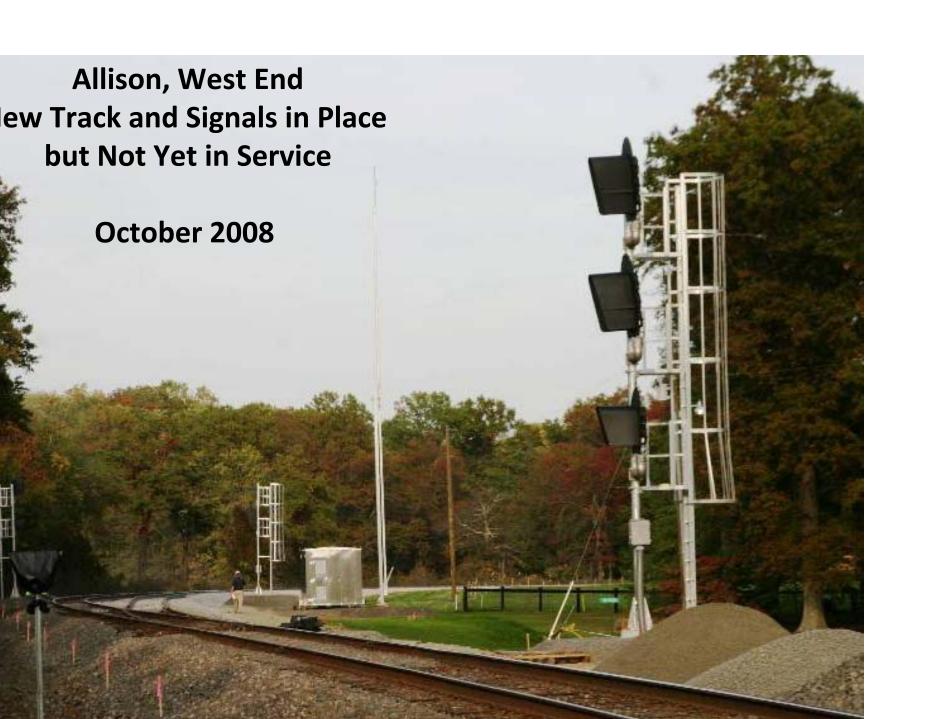
Gainesville, Virginia



West end of new Gainesville passing track

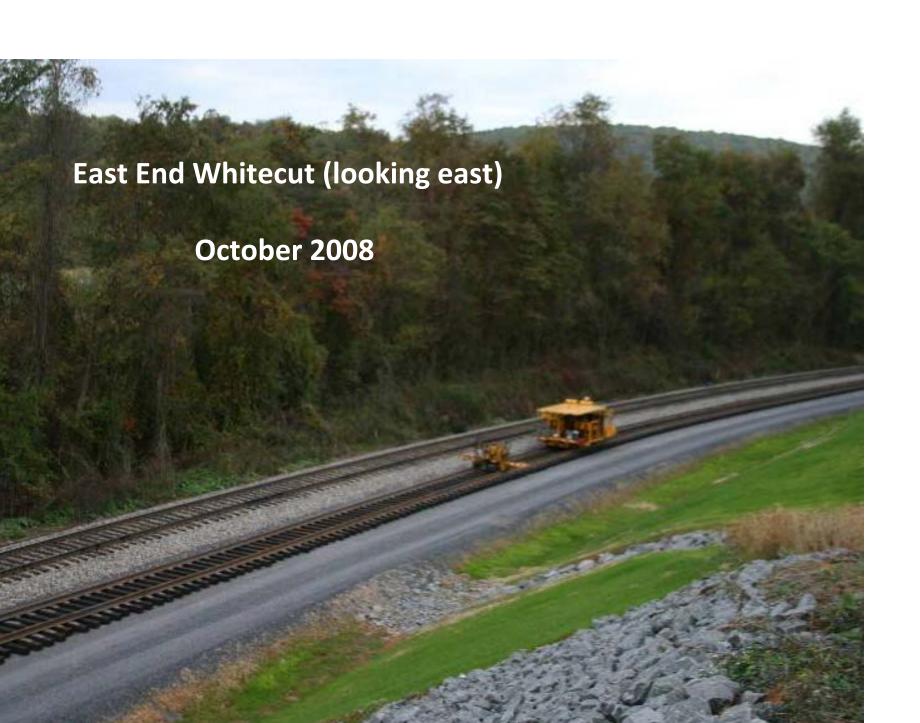
**March 2010** 

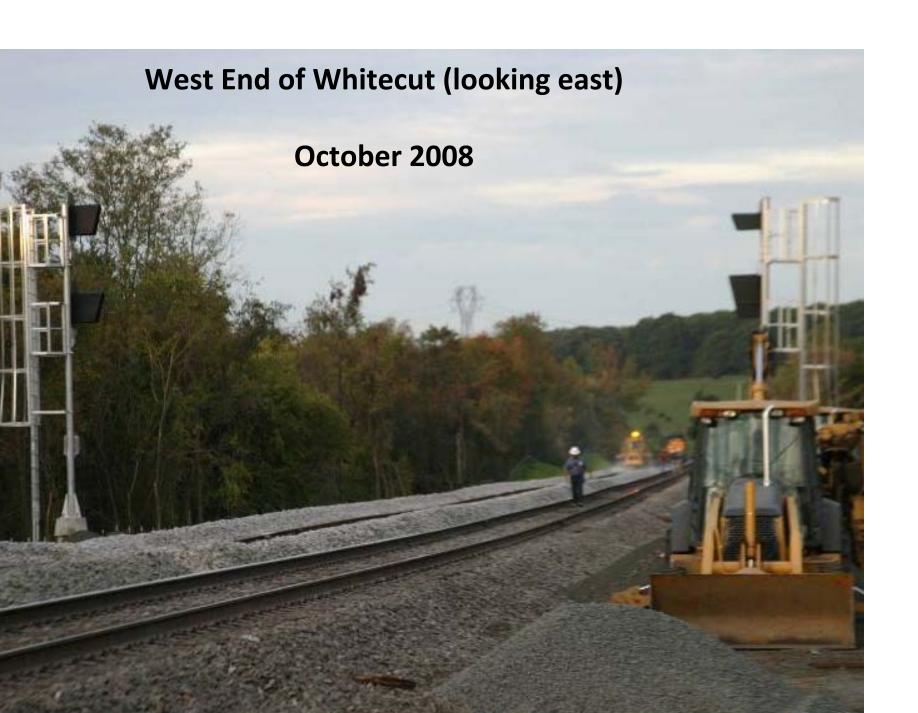


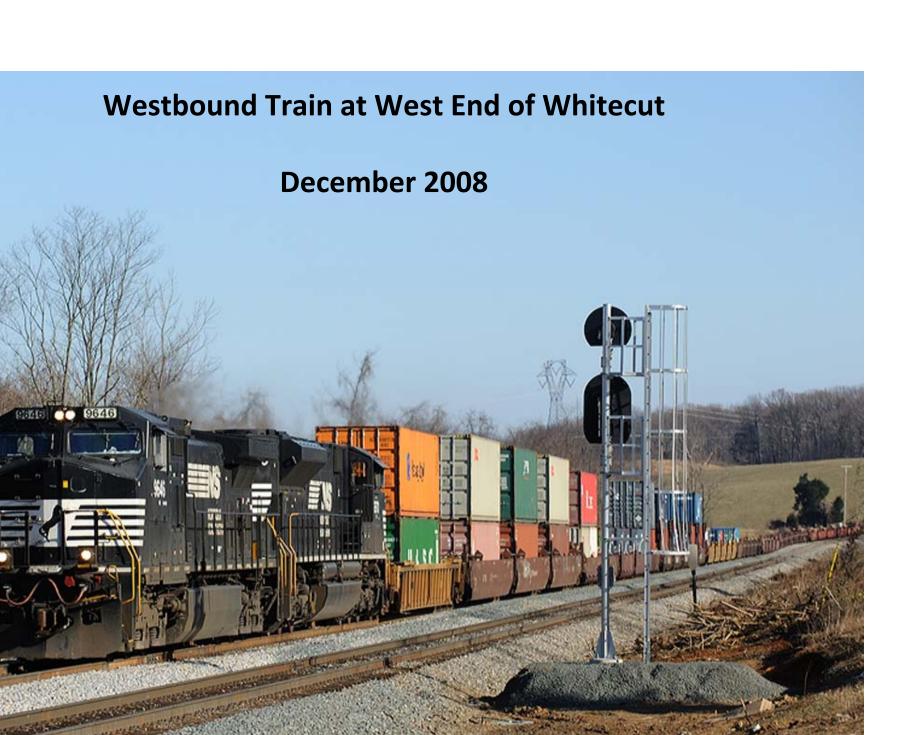














Extended short passing track and constructed new track

- Created 5 miles of double track
- Opened for service March 2009

"Neck of the funnel"

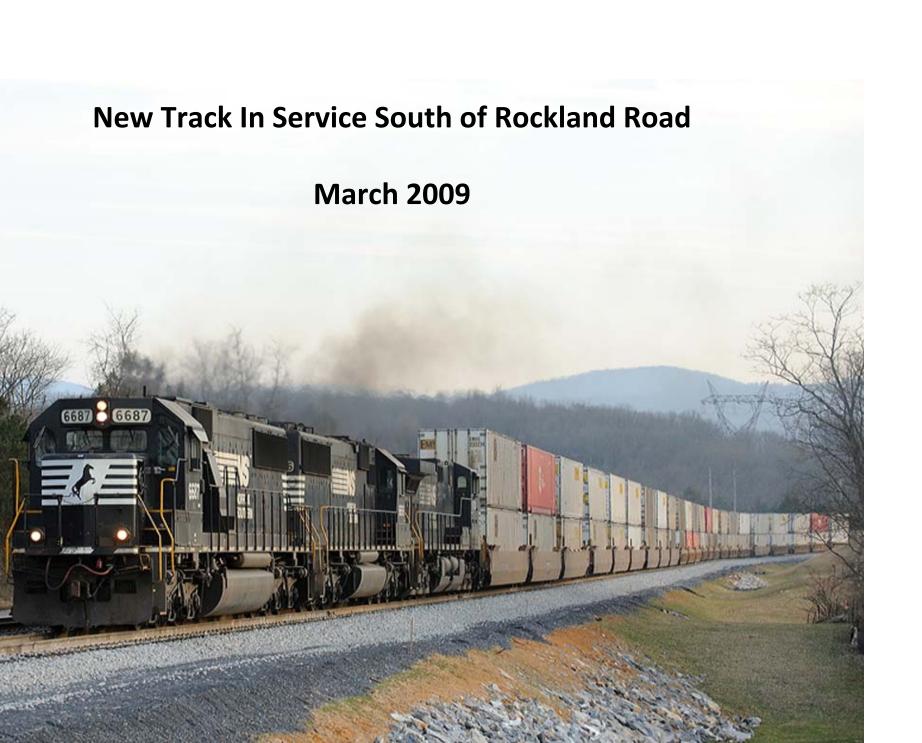
North of Front Royal

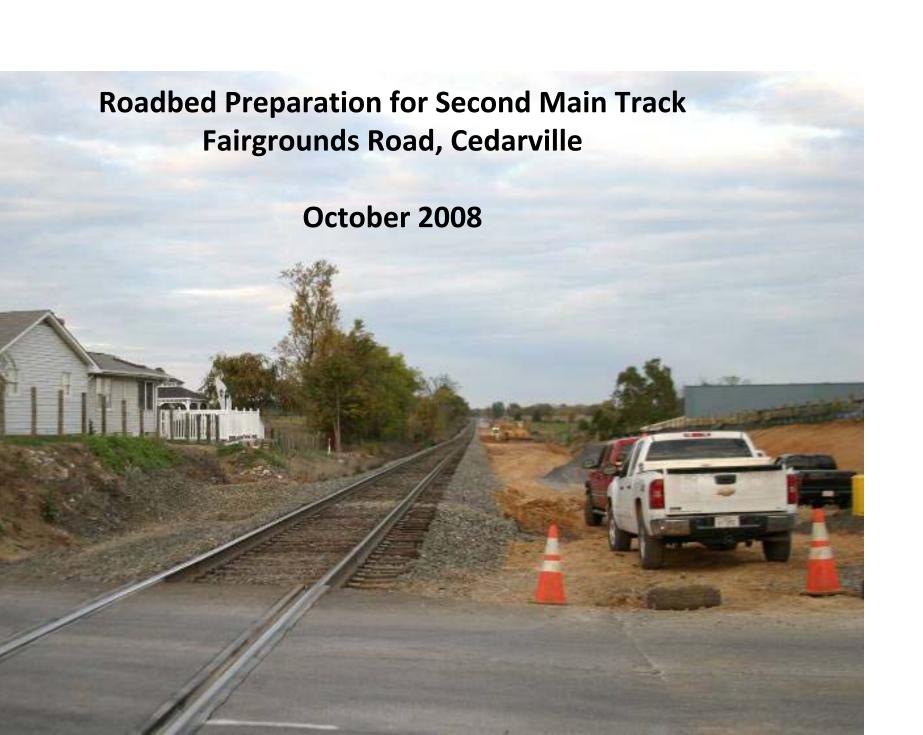


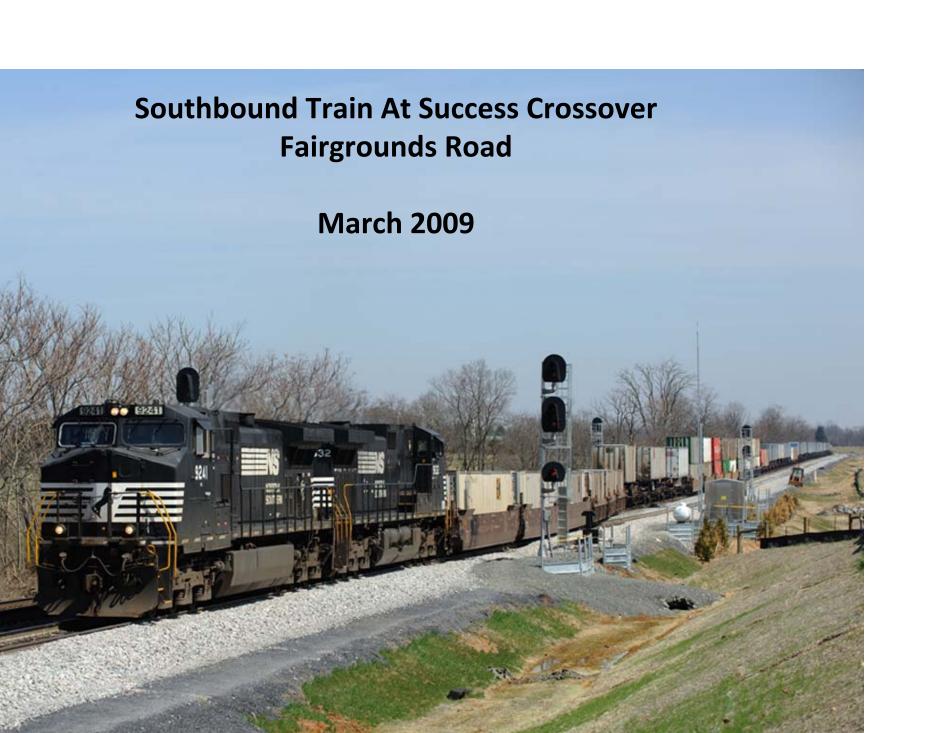
Constructing Roadbed for Second Main Track South of Rockland Road

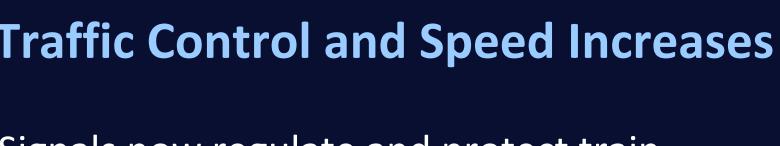
## New Roadbed and Crossties South of Rockland Road, Near Virginia Inland Port October 2008









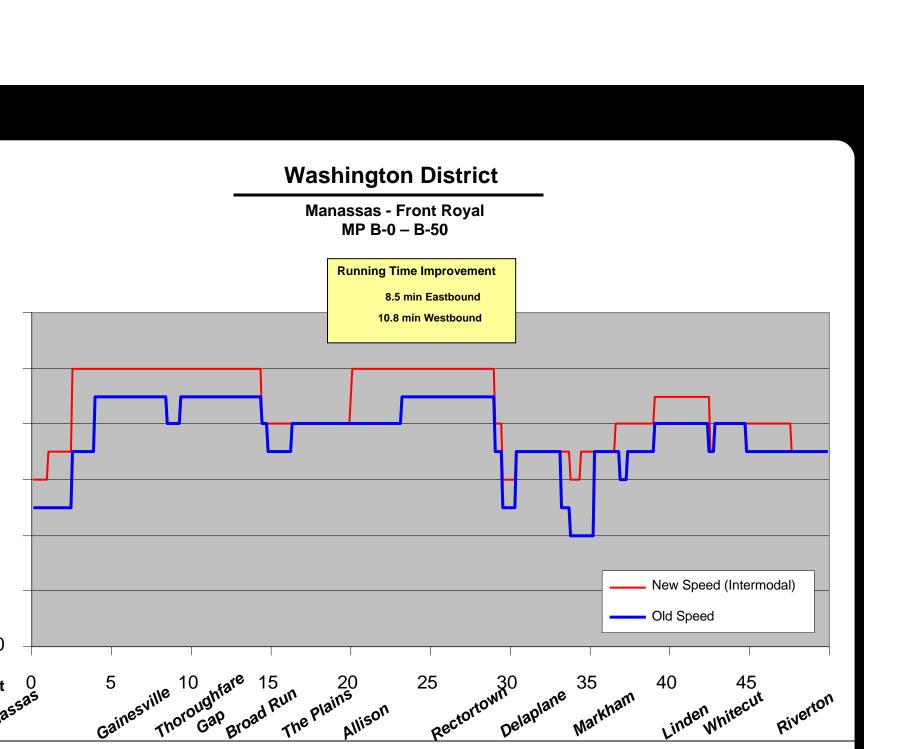


Signals now regulate and protect train movements



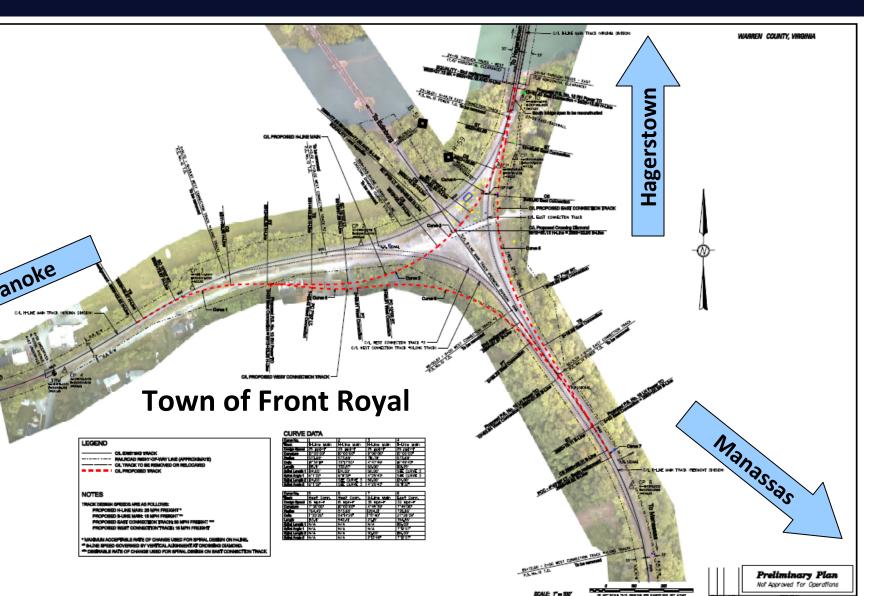


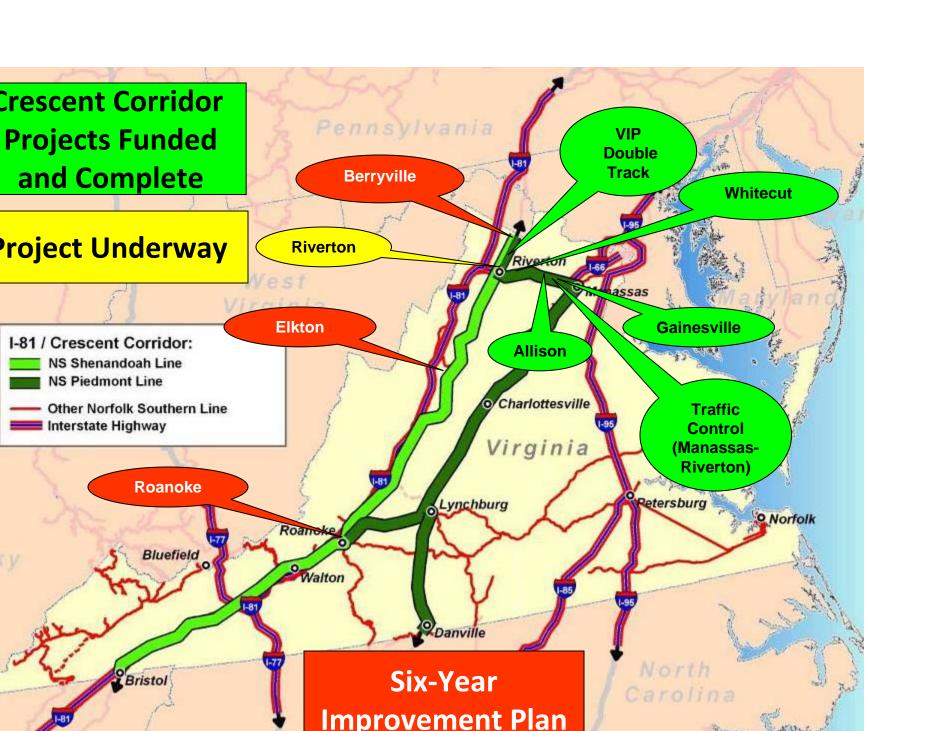
Signal Just East of Thoroughfare Gap. 13 Miles from Manassas





## **Riverton Junction Improvements**





### **FY 2010-2011 Projects**

#### Berryville passing track extension

- Extend to 11,000 feet
- Design underway; complete in 2011

#### New Elkton passing track

- 11,000 in vicinity of Coors facility
- To be designed; complete in 2011

Roanoke Terminal track upgrading

- New crossovers and signals
- Design underway
- Complete in 2011
- Will reduce running time of Crescent Corridor trains

# Public-Private Partnership Report Card

#### Virginia

- \$67 million in grant and REF funding (2007-2011)
- \$95+ million in projects; NS match is 30%

#### Pennsylvania

- \$45+ million over three years (2011-2013)
- For Greencastle and Harrisburg terminals

#### North Carolina

- \$540 million federal grant for passenger improvements
- For double track between Greensboro-Charlotte

What about federal participation?



### **TIGER Grant**





American Recovery & Reinvestment Act of 2009 (ARRA)

Transportation Investment Generating Economic Recovery (TIGER) grants

\$1.5 billion available, NS applied for \$300 mm

Five state coalition, led by Pennsylvania













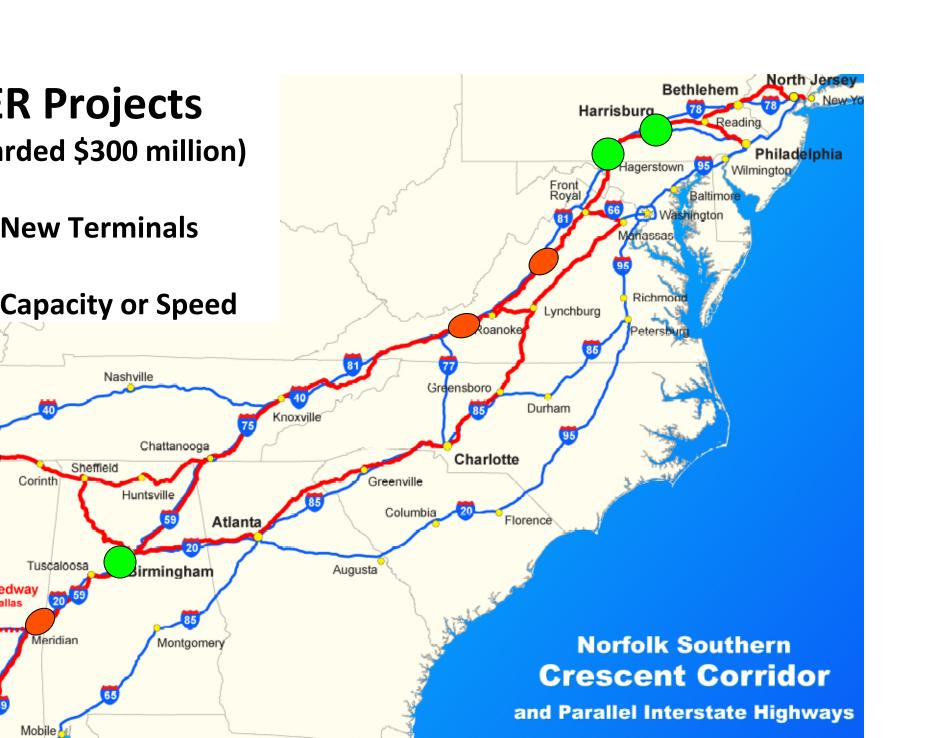
\$105 million for Crescent intermodal terminals

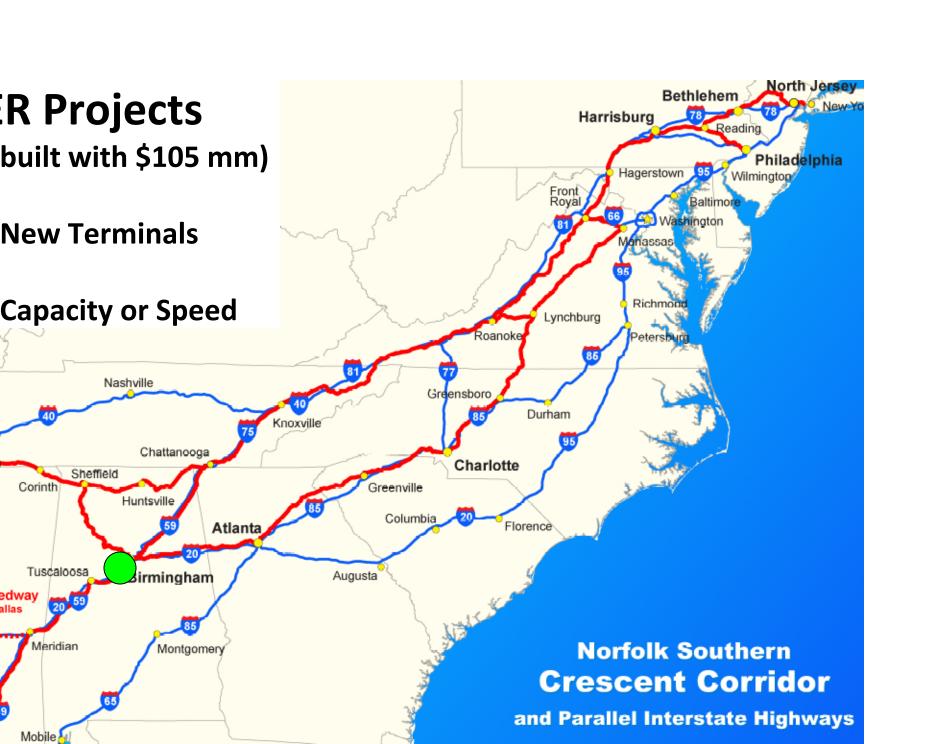
- \$52.5 million for Birmingham area
- \$52.5 million for Memphis area

Largest single TIGER award

Will launch first Crescent Corridor trains

Virginia benefits begin in 2012







Construct new terminals before February 2012

Pursue more funding

- Existing programs (e.g., CMAQ)
- Transportation bill
- High speed rail
- Any other new federal programs

## Revised Crescent Corridor Timetable

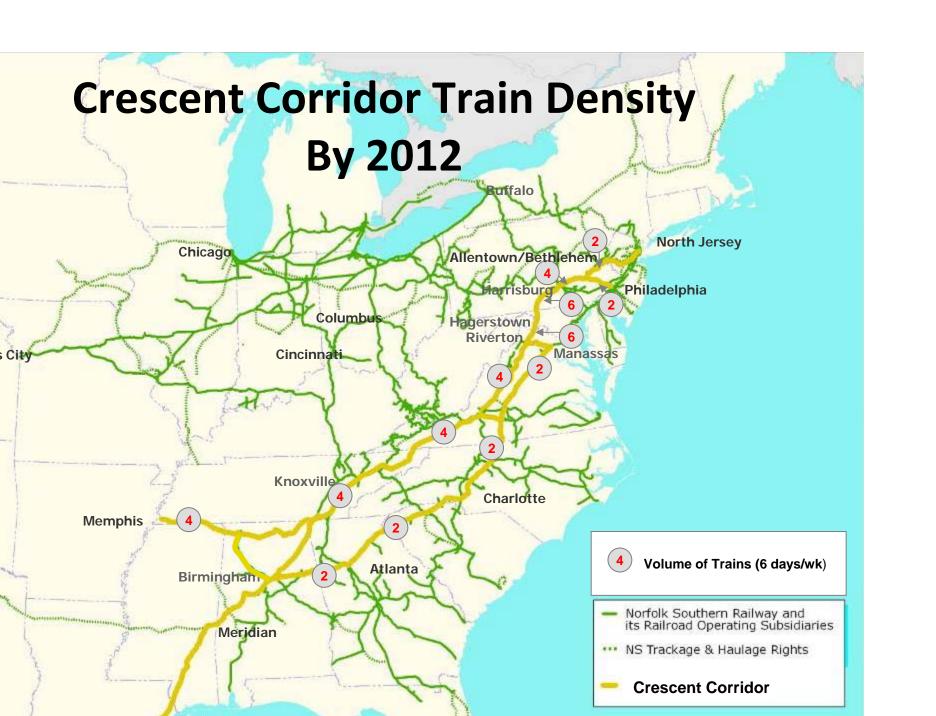
"Starter service" by spring 2012

Full Crescent by 2017-2020, depending on funding

Priorities

- Terminals
- Speed improvements
- Capacity additions

Train 202 (Memphis-Harrisburg) rérouted in March – real-time test







Lynchburg regional service VRE extension to Gainesville/Haymarket Norfolk-Richmond regional (and eventual highspeed) service Framework agreement guidance

#### **Amtrak Virginia**

Lynchburg-Boston regional service began October 1

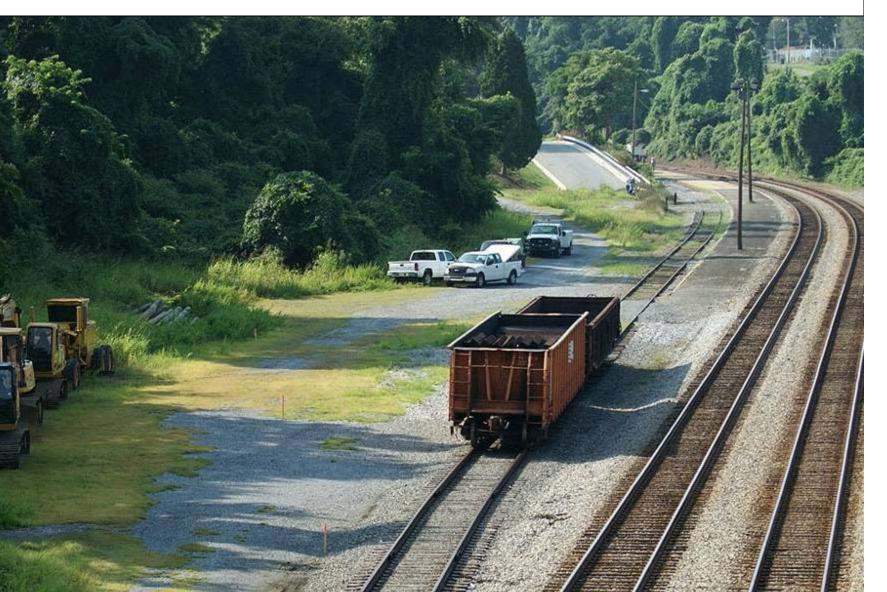
Lynchburg's Kemper Street Station tracks upgraded

Montview Wye improved

Work completed on time and under budget

Sets stage for eventual extension to Roanoke

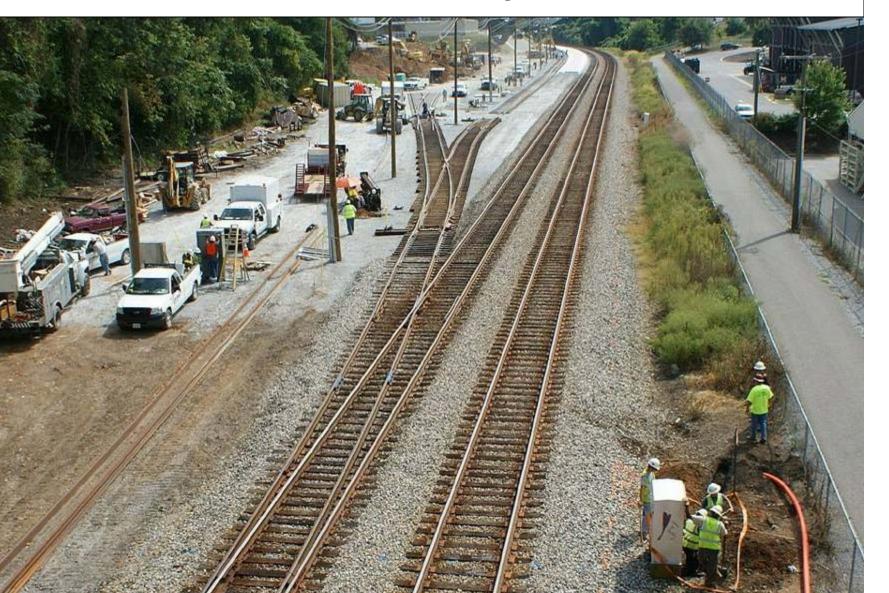
## Mobilization – August 3



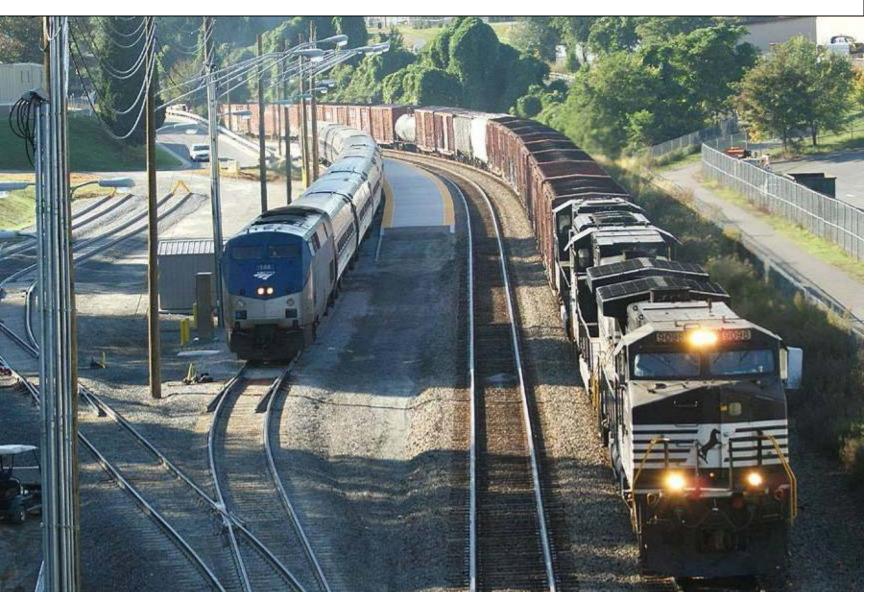
## Halfway – August 27



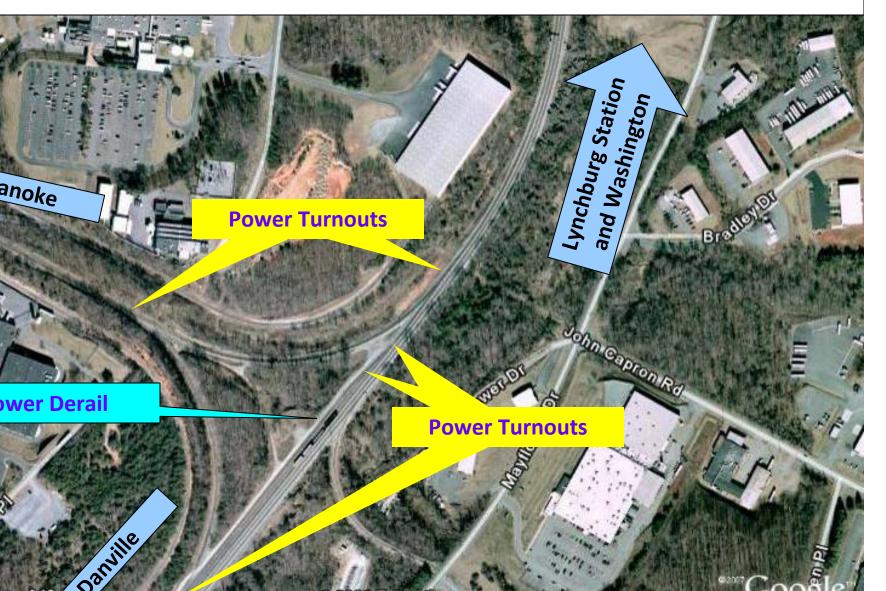
## Two Weeks to Go – September 15



## **Regular Service – October 3**



#### **Montview Wye (Lynchburg)**





# Norfolk-Richmond Intercity Passenger Service

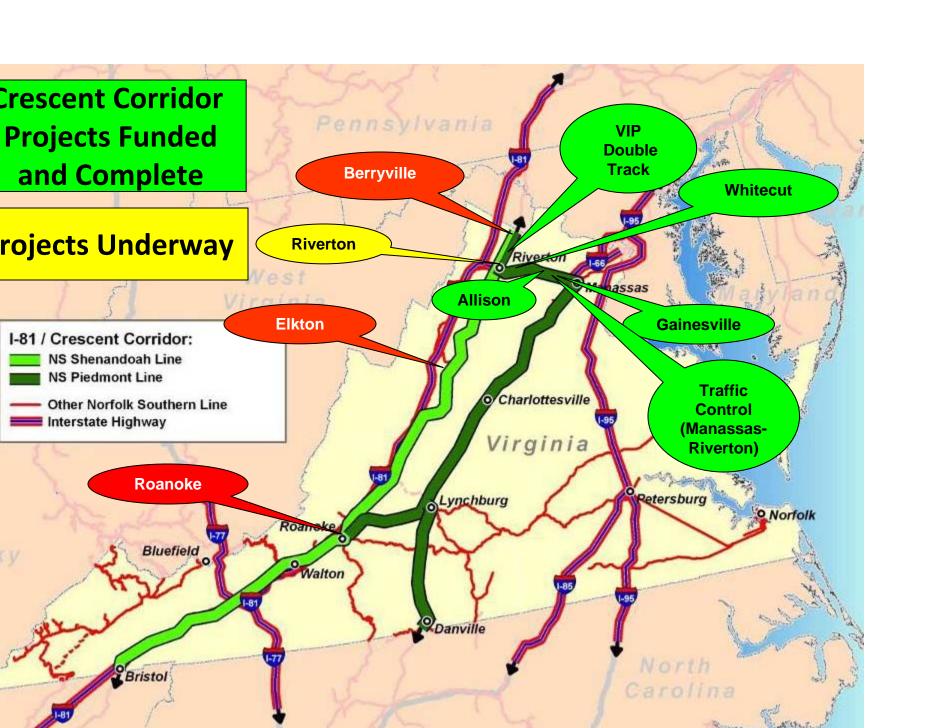
Conventional service feasible

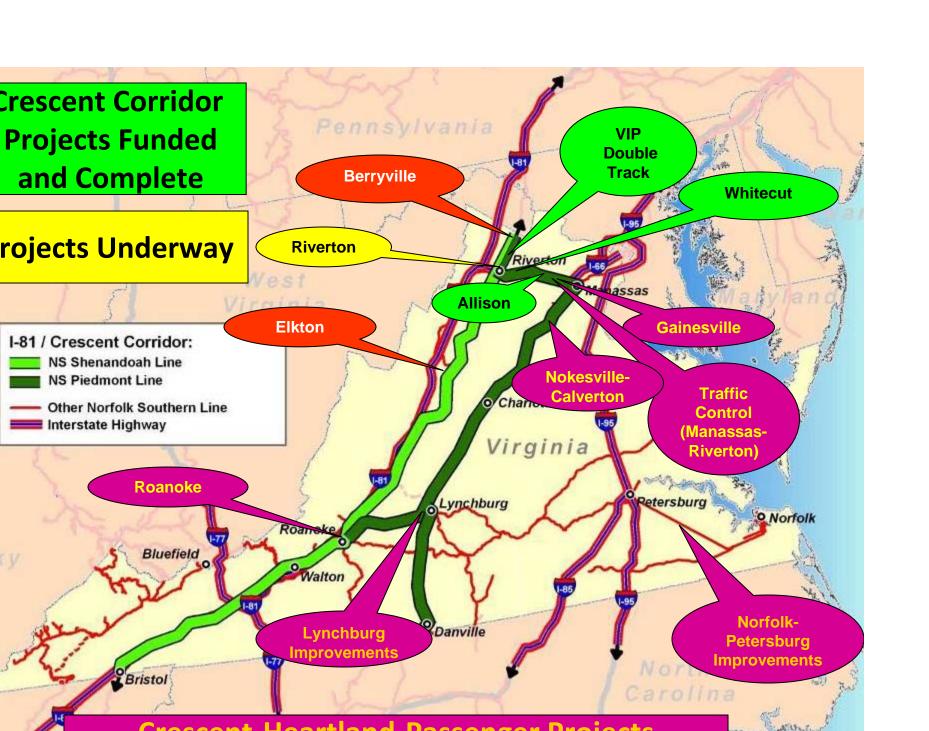
Norfolk-Petersburg improvements needed

- Norfolk station track
- Extended yard tracks
- Upgraded signaling
- Universal crossovers
- Connection to CSXT

\$75 million +/-





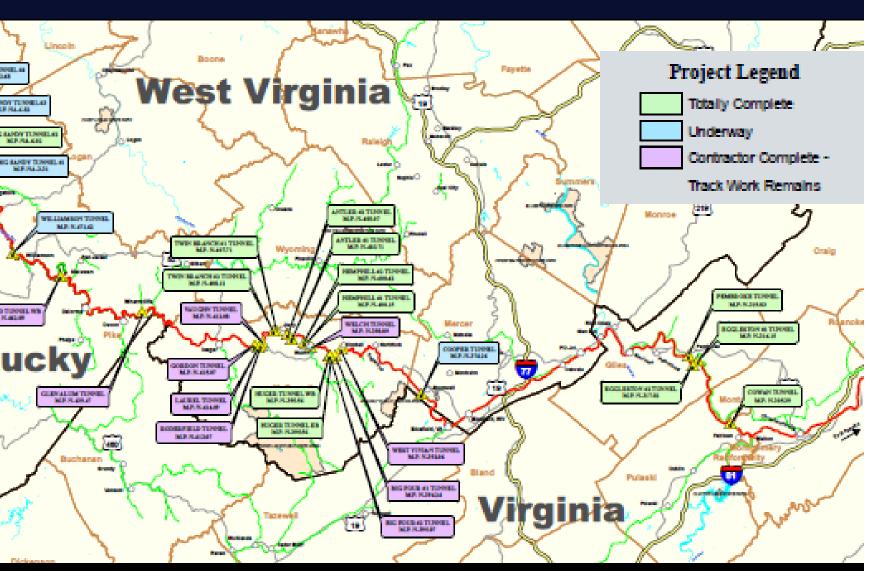




#### **Project Overview**

- 28 Tunnels to be improved 28,545 ft. (5.4 mi)
- Bridges
- 7 Through Truss Bridge Modifications
- 1 Overhead Bridge required track shifting
- 1 Overhead Bridge will be removed
- 4 signal replacements
- Slide fence modifications at 8 locations

#### **Heartland Tunnel Status**



#### **Review of Funding**

	Original Estimate	11/08 Projection	05/09 Projection
ederal	\$ 80,450,000	\$ 83,368,331	\$ 83,368,331
Ohio	\$ 836,355	\$ 836,355	\$ 836,355
rginia	\$ 9,750,000	\$ 9,750,000	\$ 9,750,000
NS	\$ 60,106,583	\$100,995,663	\$ 98,395,663
Γotal	\$151,142,938	\$194,165,150	\$191,565,150

#### **NS Share Grew Nearly 64%**

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## Track Lowering

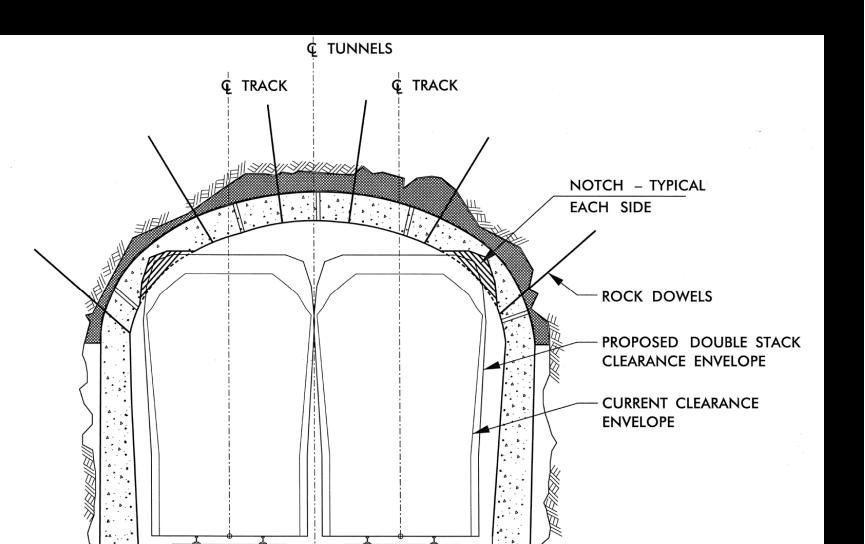
- Used at 5 tunnels
- Performed in 1980's for 19'-6"



## Track Lowering Not Always Feasible

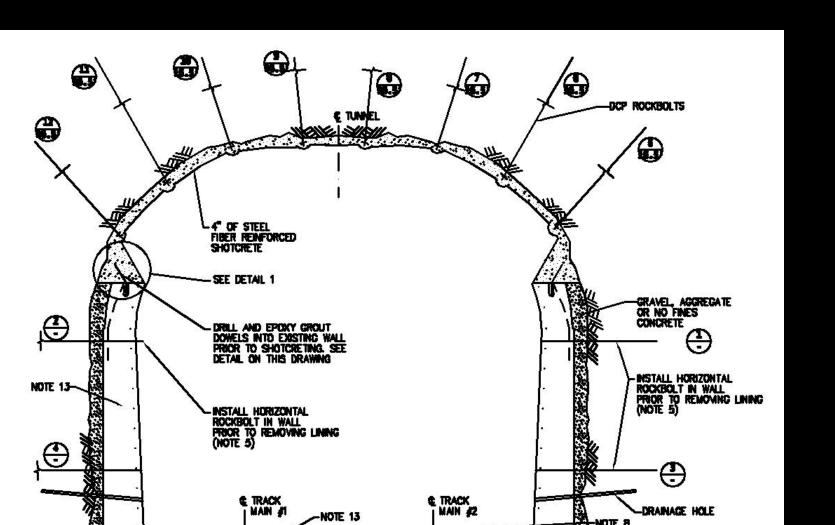


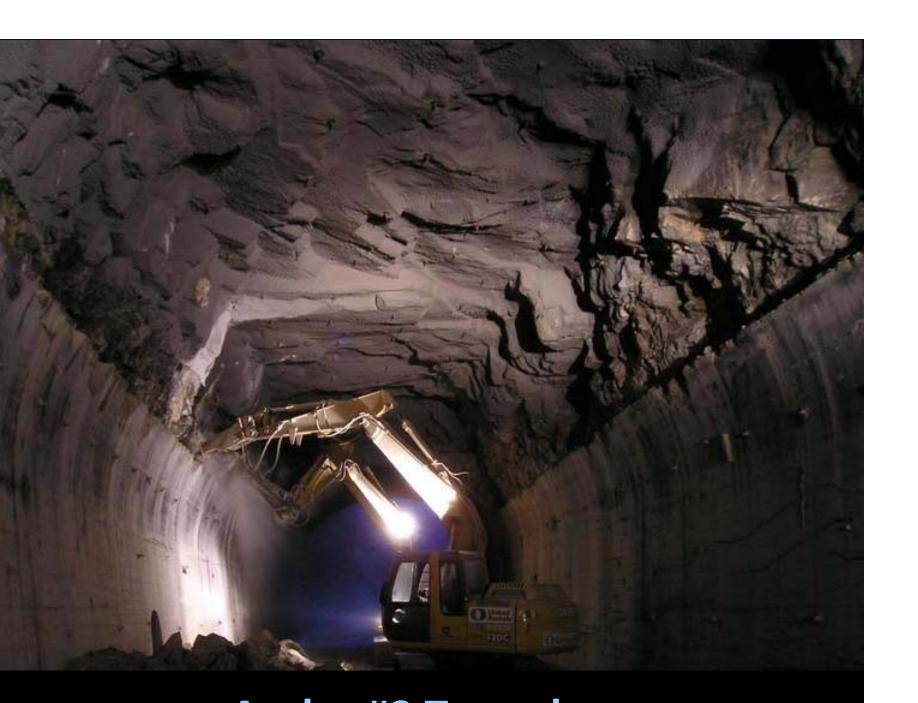
## **Deep Notching**



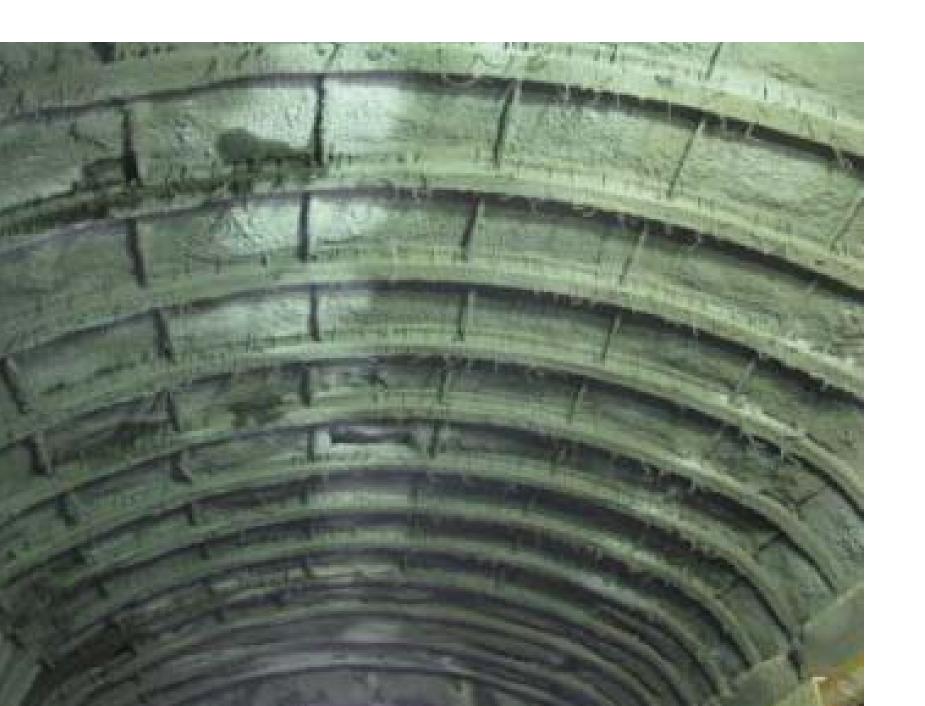


#### **Crown Replacement**











#### **Elliston Update**

- September 2008 Montgomery County sues
   Commonwealth in Richmond Circuit Court
- September 2009 oral arguments
- November 2009 court upholds Commonwealth
- March 2010 petition to appeal filed with Virginia Supreme Court
- Late summer Court likely to hear case
- End of 2010? decision
- We have purchased four parcels, 50% of acreage needed. Structures are being cleared

