Discussion Outline

• Norfolk Southern in Virginia
• Heartland Corridor
  – Update
• Crescent Corridor
  – Terminals
  – Mainline Projects
• Norfolk Passenger Train
Norfolk Southern in Virginia

- Headquarters in Norfolk, VA
- 4,733 employees in Virginia
- 2,079 miles of track in Virginia
- $292.8 million in purchases in 2010
- Intersection of Heartland and Crescent Intermodal Corridors
- Routes in *Purple*
NS Intermodal Corridors
Including joint ventures with other carriers

PanAm Southern Corridor
Heartland Corridor
Meridian Speedway
Crescent Corridor

NS Intermodal Corridors
Including joint ventures with other carriers
The Heartland Corridor
Productivity on Existing Infrastructure

- Three-year engineering effort
- Raised vertical clearances in 28 tunnels
- Removed 24 overhead obstructions
- The nation’s first multi-state intermodal rail corridor public-private partnership between the FHWA’s Eastern Federal Lands Highway Division, USDOT, Virginia, West Virginia, Ohio, and Norfolk Southern
- Completed Sept. 2010
- Saves 200 miles
- Saves 24 hours

Inaugural double-stack train exiting Cowan Tunnel near Radford, Virginia
September 9, 2010
The Heartland Corridor

The nation’s first multi-state intermodal rail public-private partnership

Prior to September 2010

After the Opening of the Heartland Corridor

Single Stack Intermodal Trains Only

Double-stack intermodal trains are now routed from the Port of Hampton Roads to Chicago through West Virginia.
Is the Heartland Producing Benefits?

- Volume up **139%** on Heartland as of EOY 2011
- **13% Organic Growth**
- 100% double stack cleared as of January 10, 2012
- Port of Hampton Roads, Heartland Corridor route, Intermodal Facilities ready for Suez and Panama Canal Ships NOW
Crescent Corridor

• 2500-mile network of intermodal trains
  – Domestic freight
  – > 500 mile hauls
• Schedules geared to truckers’ needs
• Ongoing challenges for highway freight
  – Congestion
  – Driver shortages
  – Increased costs
Crescent Corridor Scope

- New terminals
- Enlarged terminals
- Higher speeds
- More passing tracks
- Choke point elimination
- Total cost: $2.5 billion +
Rossville Intermodal Facility
Birmingham, AL (McCalla)

- Two pad tracks – 8400’ total
- 14,000’ support tracks
- 932 parking spots
- 100,000 initial annual lift capacity
Completed Projects

Projects Underway

VIP Double Track

Whitecut

Berryville

Riverton

Elkton

Gainesville

Traffic Control (Manassas-Riverton)

Roanoke / Randolph St.
• Active Crescent REF Projects
• $34.5M Budget (70% VA / 30% NS)
  – Berryville (Siding Extension)
  – Elkton (New Siding)
  – Roanoke (Interlocking / Signal Renewal)
    • Includes provisions for Future Roanoke Passenger Station
• Berryville & Elkton expect completion mid 2012
• Roanoke under design review
Projected 2020 Interstate Highway Congestion

Benefits to Virginia:
- 878,000 Annual Trucks Diverted to Rail
- 34.7 Million Gallons Fuel Saved per Year
- 385,000 Tons CO₂ Reduction per Year
- $98.8 Million Annual Congestion Savings

*The DOT estimates that congestion will increase significantly by 2035. Not all interstate highways or rail lines shown.*

Clean, Green Relief for Congested Roads

(Source U.S. Department of Transportation)
Norfolk Passenger Train

- Connects Norfolk / Hampton Roads with NEC
- Partners
  - Commonwealth of Virginia
  - Norfolk Southern
  - CSX
  - Amtrak
  - City of Norfolk
  - City of Petersburg
- Essential Infrastructure Under Construction
- Full project build out expected end of 2013
Improvements for Norfolk-Petersburg-Richmond Intercity Passenger Service

- Installation of traffic control and universal crossovers
- New station track at Harbor Park
- Track extensions at Portlock Yard
- New turning and servicing facility
- New freight siding
- New Connection between Norfolk Southern and CSXT

Norfolk Southern

CSXT Trackage

TIDE Light Rail (under development)
Norfolk – Harbor Park Station
Amtrak – Crew Building (Norfolk)