**Agenda**

*Why is rail a good investment for Virginia?*

**HIDDEN ASSET OF THE COMMONWEALTH**

- Economic engine for both private and public transportation services
- Improves safety by saving lives
- More efficient means of freight and passengers
- Reduces congestion
- Helps grow the Virginia economy
- Compliments the VA Highway network while reducing capital and maintenance expenditures
Travel Safe

Rail will help you...
Travel Safe

18 lives saved
3,000 crashes avoided

Passenger travel use of rail would be equal to a reduction in 271 million miles of personal vehicle driving.

Shipping by rail avoids about 1.7 billion miles of truck travel in Virginia.
Breath Easier

Rail will help you...

Breath Easier
Breath Easier

3M tons of CO2 avoided
6.4% of Virginia emissions

On average, railroads are four times more fuel efficient than trucks.

Moving freight by rail instead of truck reduces greenhouse gas emissions by 75%.

The total estimated level of rail service in Virginia in 2015 is about 25 billion ton-miles.
Rail will help you...

Save Money
Save Money

$123M pavement maintenance savings

6% of annual VDOT maintenance budget

8 Car Amtrak Train = 240 Passenger Vehicles

100 Car Train Unit = 340 Semi-trailer Trucks
Grow the Economy

Rail will help you...
Economic Benefit of Rail in Virginia

Over 6,000 jobs created directly by rail network

<table>
<thead>
<tr>
<th>Tonnage</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coal (94.4 million tons, 62.4 percent)</td>
<td>Coal (849,619 units, 39.7 percent)</td>
</tr>
<tr>
<td>Chemicals or Allied Products (10.3 million tons, 6.8 percent)</td>
<td>Miscellaneous Mixed Shipments (534,240, 25 percent)</td>
</tr>
<tr>
<td>Nonmetallic Minerals (7.9 million tons, 5.2 percent)</td>
<td>Chemicals or Allied Products (121,543, 5.7 percent)</td>
</tr>
<tr>
<td>Food or Kindred Products (6.2 million, 4.1 percent)</td>
<td>Food or Kindred Products (103,623, 4.8 percent)</td>
</tr>
<tr>
<td>Miscellaneous Mixed Shipments (6.1 million, 4 percent)</td>
<td>Pulp, Paper of Allied Products (85,084, 4 percent)</td>
</tr>
</tbody>
</table>
Compliment Highway Network

Rail will help...
Avoid Congestion

Over 700,000 vehicles removed from I-95 in Year 1
Approximately 5% of AADT in Spotsylvania County
Leverage nearly $140M in matching funds

I-95 Congestion Comparison

<table>
<thead>
<tr>
<th>Spotsylvania 3rd Main</th>
<th>Virginia Avenue Tunnel</th>
</tr>
</thead>
<tbody>
<tr>
<td>- $26.2M ($13.8 REF)</td>
<td>- $148M ($24M REF)</td>
</tr>
<tr>
<td>- 375,000 New Passengers (Year 1)</td>
<td>- 1,000 New Trains (Year 1)</td>
</tr>
</tbody>
</table>

220,000 Cars off I-95
485,000 Trucks off I-95
Save Commonwealth Resources

- Provides cost effective alternative when appropriate
- Maintenance paid by private railroad
- ROW subject to local taxation

Virginia Cost Comparison

**INTERSTATE 66**
- Construct 25 Miles of Hwy
- US 15 to I-495
- Prince William and Fairfax Counties

$74M / Mi*

*Includes approximate $20,000 per lane mile annual maintenance cost

**Atlantic Gateway**
- Construct 8 Miles of Track
- Franconia to Occoquan
- Fairfax County

$28M / Mi*

*Maintenance cost paid by private railroad
Rail Will Help You:

- Travel Safer
- Breath Easier
- Save Money
- Grow the Economy
- Avoid Congestion
- Compliment the Highway Network
- Leverage Private Investment
Thank You

Questions?