



Virginia Department of Rail and Public Transportation

**VIRGINIA**  
STATEWIDE RAIL PLAN

# Rail Benefits in Virginia

CTB Rail Committee

*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

# Agenda

*Why is rail a good  
investment for  
Virginia?*



*Rail will help you...*

**Travel Safe**



# 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





*Rail will help you...*

**Breath Easier**

# Breathe Easier

**3M tons of CO<sub>2</sub> 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 AmtrakTrain

=



240

Passenger Vehicles



100

Car Train Unit

=



340

Semi-trailer Trucks






*Rail will help you...*

**Grow the Economy**

# Economic Benefit of Rail in Virginia

**Over 6,000 jobs created  
directly by rail network**

## Tonnage

	<b>Coal</b> (94.4 million tons, 62.4 percent)
	<b>Chemicals or Allied Products</b> (10.3 million tons, 6.8 percent)
	<b>Nonmetallic Minerals</b> (7.9 million tons, 5.2 percent)
	<b>Food or Kindred Products</b> (6.2 million, 4.1 percent)
	<b>Miscellaneous Mixed Shipments</b> (6.1 million, 4 percent)

## Units

	<b>Coal</b> (849,619 units, 39.7 percent)
	<b>Miscellaneous Mixed Shipments</b> (534,240, 25 percent)
	<b>Chemicals or Allied Products</b> (121,543, 5.7 percent)
	<b>Food or Kindred Products</b> (103,623, 4.8 percent)
	<b>Pulp, Paper of Allied Products</b> (85,084, 4 percent)





*Rail will help...*

**Compliment Highway Network**





# 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



### Spotsylvania 3rd Main

- \$26.2M (\$13.8 REF)  
- 375,000 New Passengers (Year 1)

**220,000 Cars off I-95**

### Virginia Avenue Tunnel

- \$148M (\$24M REF)  
- 1,000 New Trains (Year 1)



**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**  
Partnering to Unlock the I-95 Corridor

- Construct 8 Miles of Track
- Franconia to Occoquan
- Fairfax County

**\$28M / Mi\***

\*Maintenance cost paid by private railroad

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

**Rail Will Help You...**





**Thank You**  
Questions?