



# Rail Benefits in Virginia

**CTB Rail Committee** 



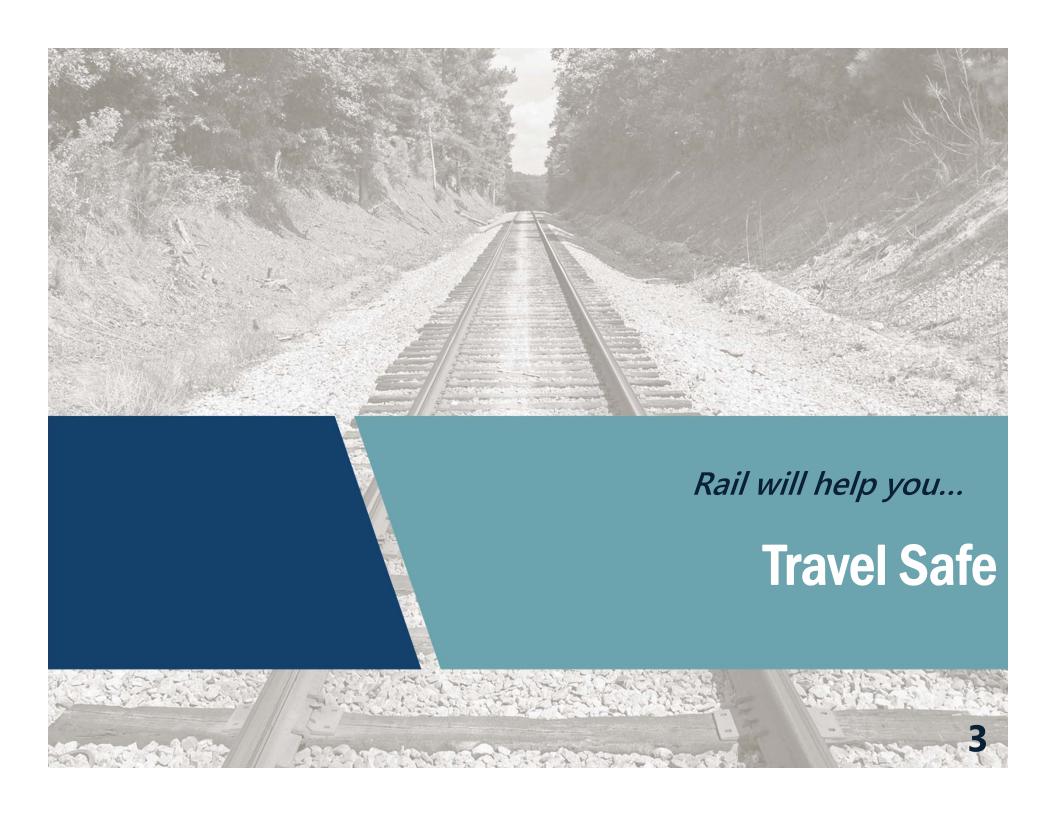
#### HIDDEN ASSET OF THE COMMONWEALTH

- 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?







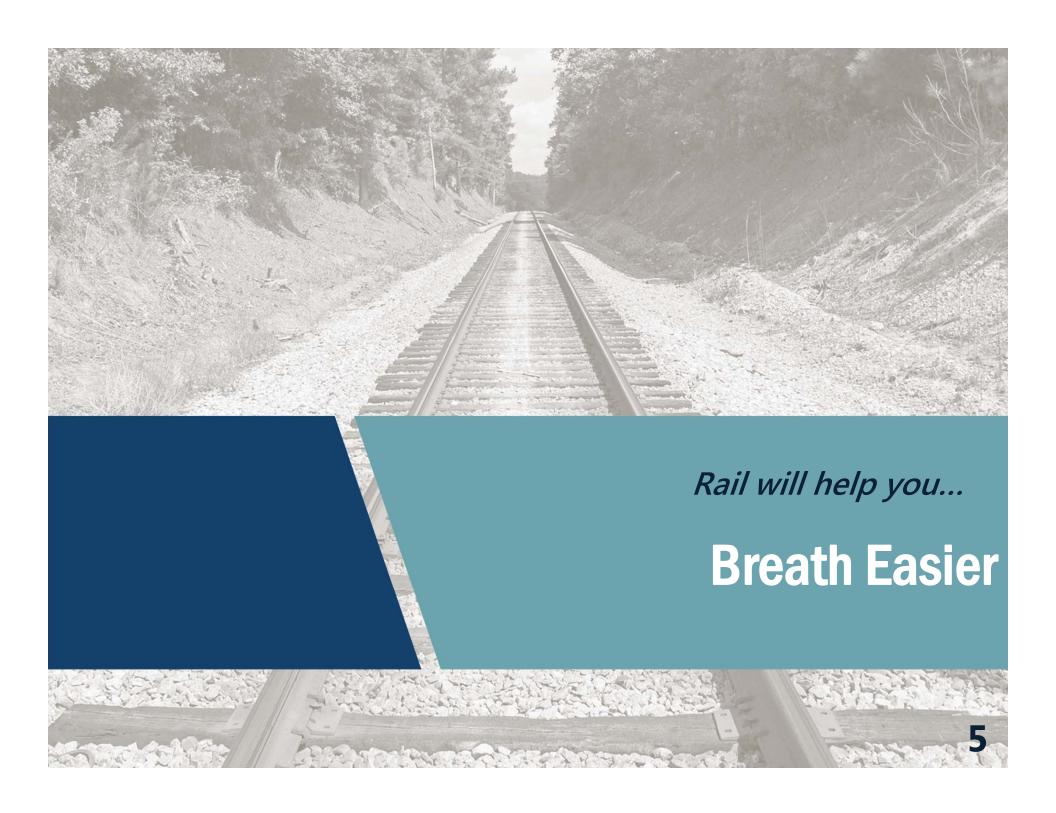
#### **Travel Safe**

# 18 lives saved3,000 crashes avoided

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









## **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





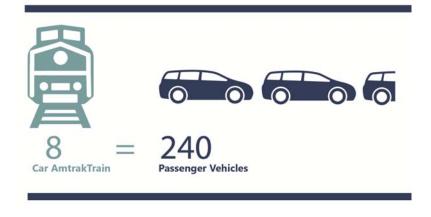




# **Save Money**

\$123M pavement maintenance savings

6% of annual VDOT maintenance budget











## **Economic Benefit of Rail in Virginia**

# Over 6,000 jobs created directly by rail network







Coal

(94.4 million tons, 62.4 percent)



Chemicals or Allied Products (10.3 million tons, 6.8 percent)



Nonmetallic Minerals (7.9 million tons, 5.2 percent)



Food or Kindred Products (6.2 million, 4.1 percent)



Miscellaneous Mixed Shipments (6.1 million, 4 percent)



Coal

(849,619 units, 39.7 percent)



Miscellaneous Mixed Shipments (534,240, 25 percent)



Chemicals or Allied Products (121,543, 5.7 percent)

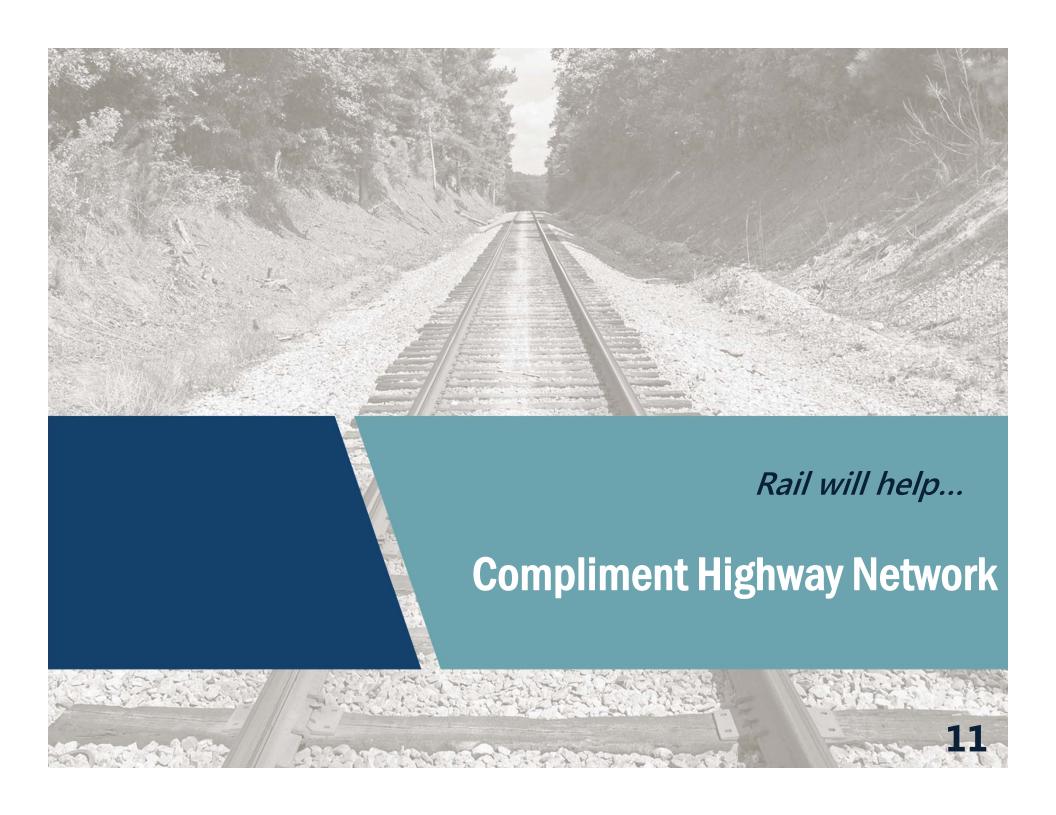


Food or Kindred Products (103,623, 4.8 percent)



Pulp, Paper of Allied Products (85,084, 4 percent)







#### **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



- 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



\$28M / Mi\*

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

\*Maintenance cost paid by private railroad



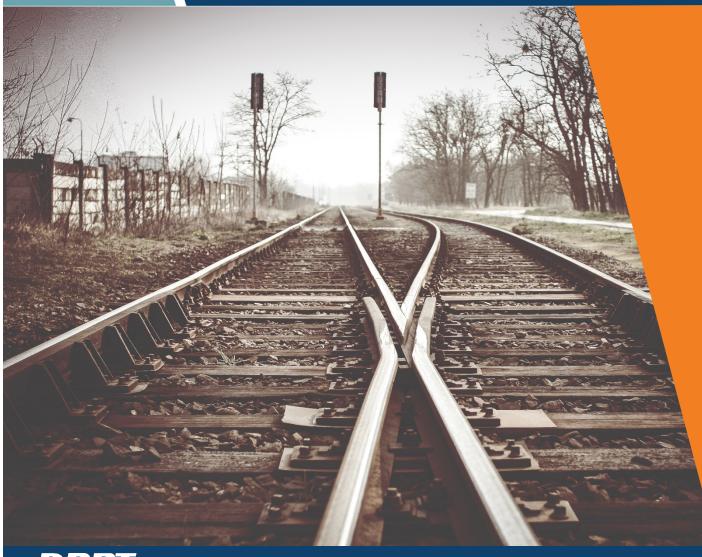




- Travel Safer
- Breath Easier
- Save Money
- Grow the Economy
- Avoid Congestion
- Compliment the Highway **Network**
- Leverage Private Investment

Rail Will Help You...

#### VIRGINIA STATEWIDE RAIL PLAN



# Thank You Questions?

