DRPT
Virginia Department of Rail and Public Transportation

VIRGINIA
STATEWIDE RAIL PLAN

# Rail Plan Workshop

## February 2017 CTB Rail Committee

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# Agenda

*Discuss and summarize recent feedback and further detail the Economic Analysis component of the rail plan.*

1. January Workshop Recap

2. Status Update
   - Economic Analysis
   - Freight Railroad Outreach

1.

# January Workshop Recap

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# January Workshop Summary

## Cost / Impact to Economy

- Cost of Degradation of Service
- Cost Offset by Taking Cars/Trucks Off Road
- Lynchburg Economic Study

## Goals

- Protect Core Services
- Leverage Existing Investment with Additional Multimodal Connections

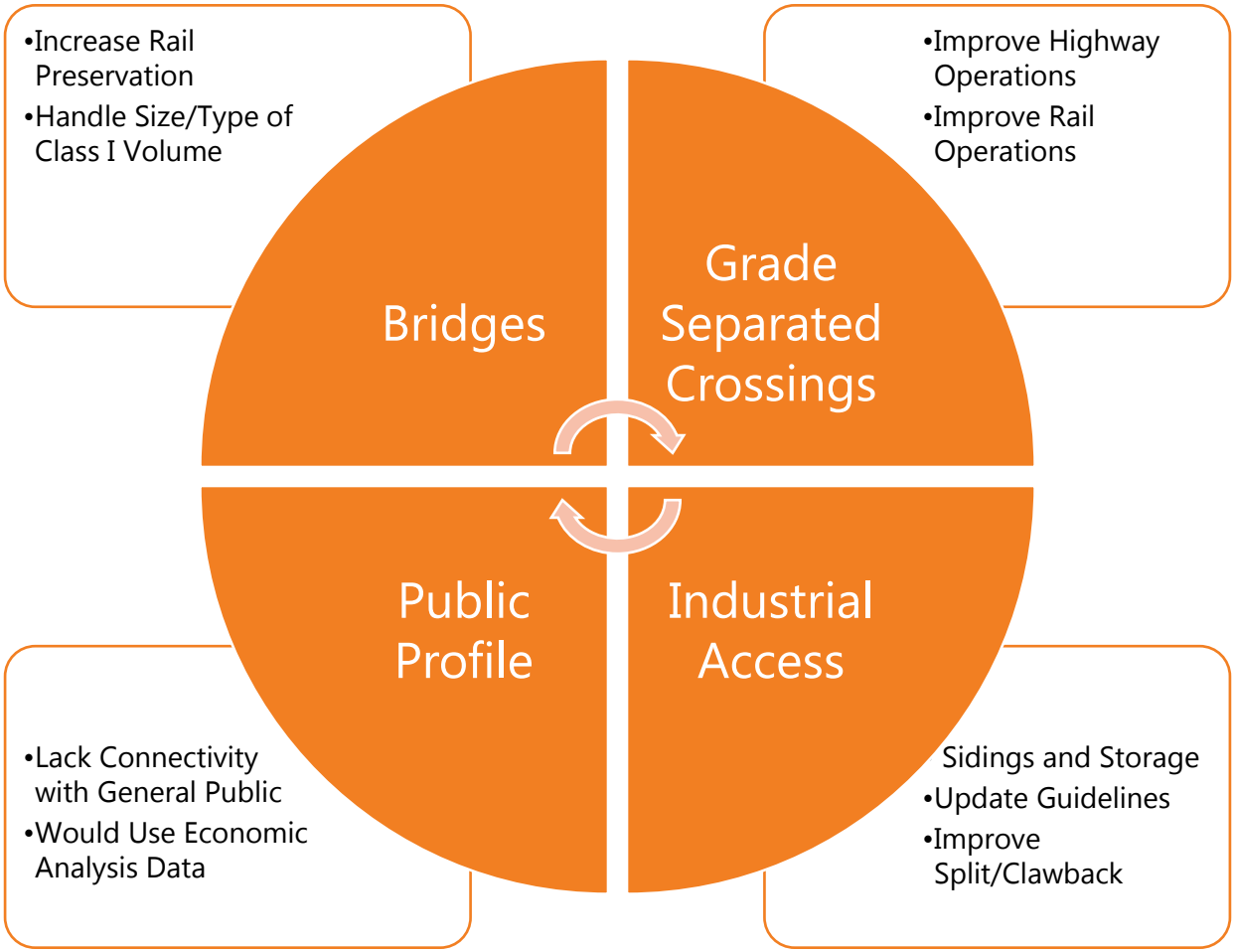
## Additional CTB Comments

- Technology
- Rail Network Outside of VA
- Other State Experiences with Purchasing Abandoned Lines

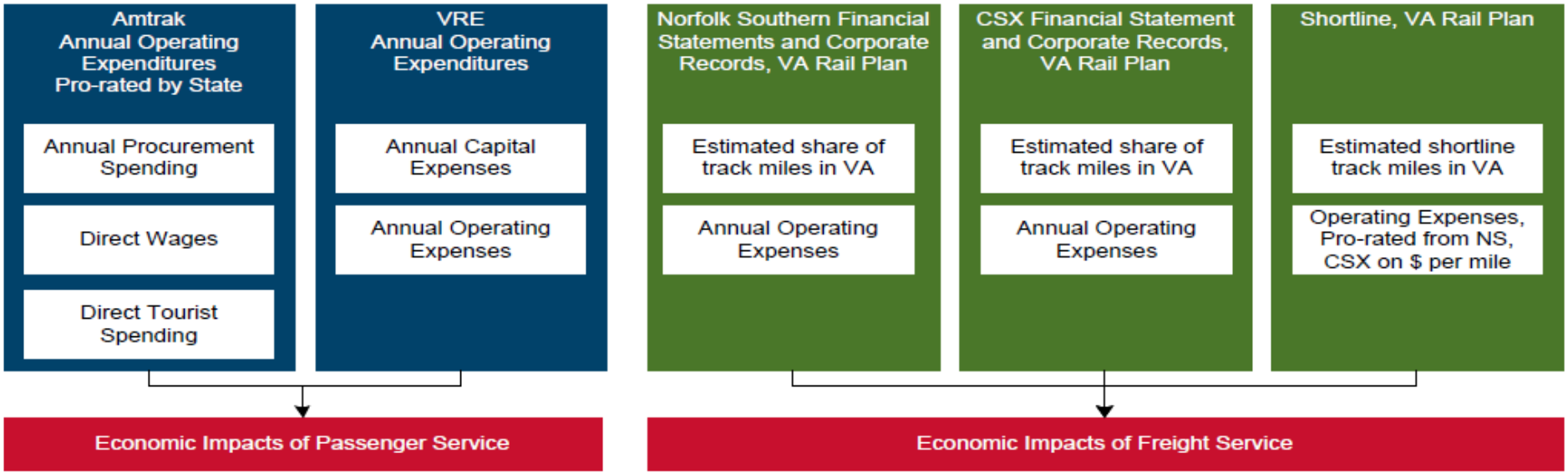
2.

# Status Update

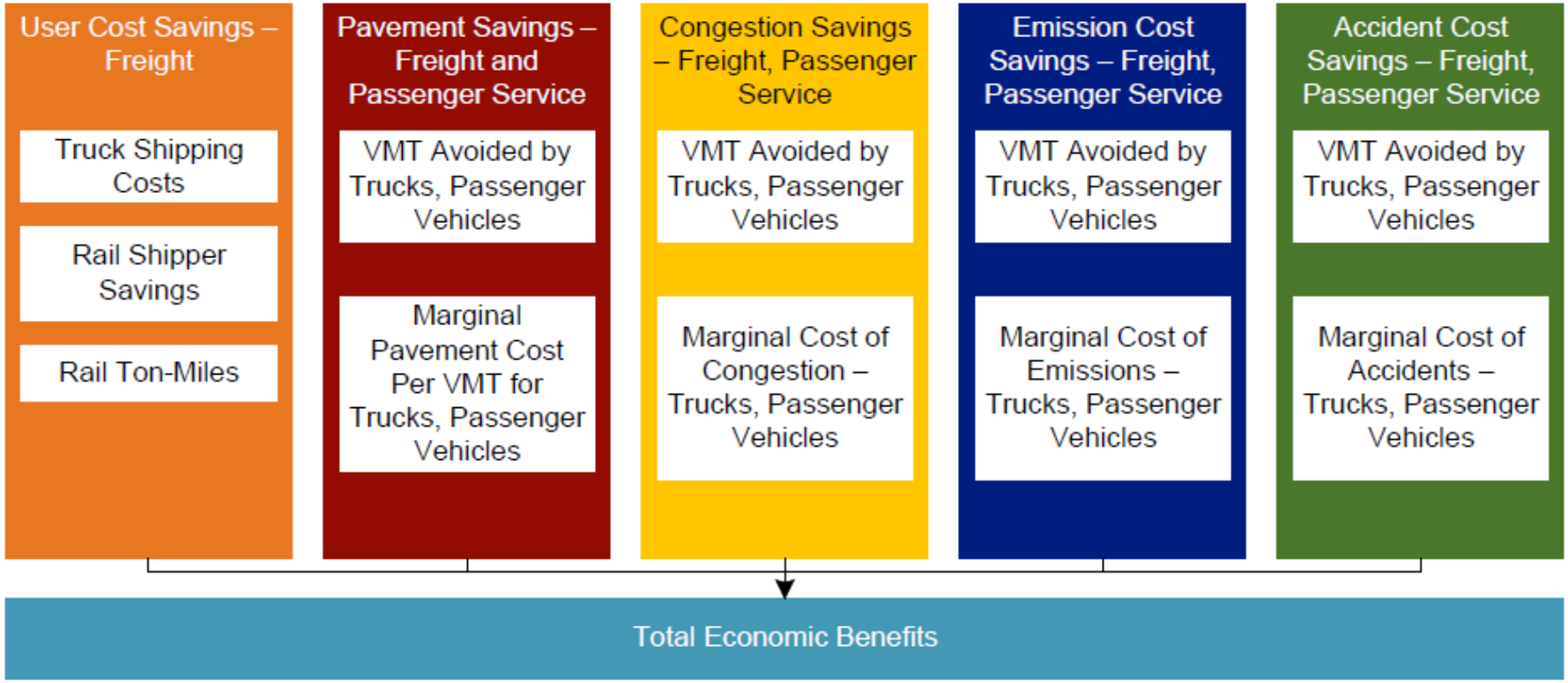
# Virginia Railroad Association



# Statewide Economic Analysis



# Statewide Economic Analysis



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# Statewide Economic Analysis

**Total (Millions of 2016 Dollars)**

| Impact Metric | Direct | Total |
|---|---|---|
| Output | $1,581.7 | $2,725.3 |
| Value Added | $730.2 | $1,386.7 |
| Labor Income | $427.5 | $836.1 |
| Employment | 5,438 | 12,463 |
| Federal Taxes | $108.4 | $207.0 |
| State / Local Taxes | $27.1 | $82.2 |

| Benefit Value Measures* | Freight Service | Passenger Service |
|---|---|---|
| VMT Avoided within VA Due to Use of Rail (in Millions) | 1,701.1 | 271.0 |
| User Cost Savings | $3,137.1 | |
| Pavement Savings | $280.4 | $0.2 |
| Congestion Savings | $424.8 | $16.7 |
| Auto and Truck Emissions** | $160.5 | $9.7 |
| Auto and Truck Safety** | $139.7 | |
| **Total** | **$4,142.4** | **$26.5** |

# Regional Economic Analysis

## Baseline Demand Assessment

- Business Sectors & Locations
- Volume & Commodity Type
- Existing Network

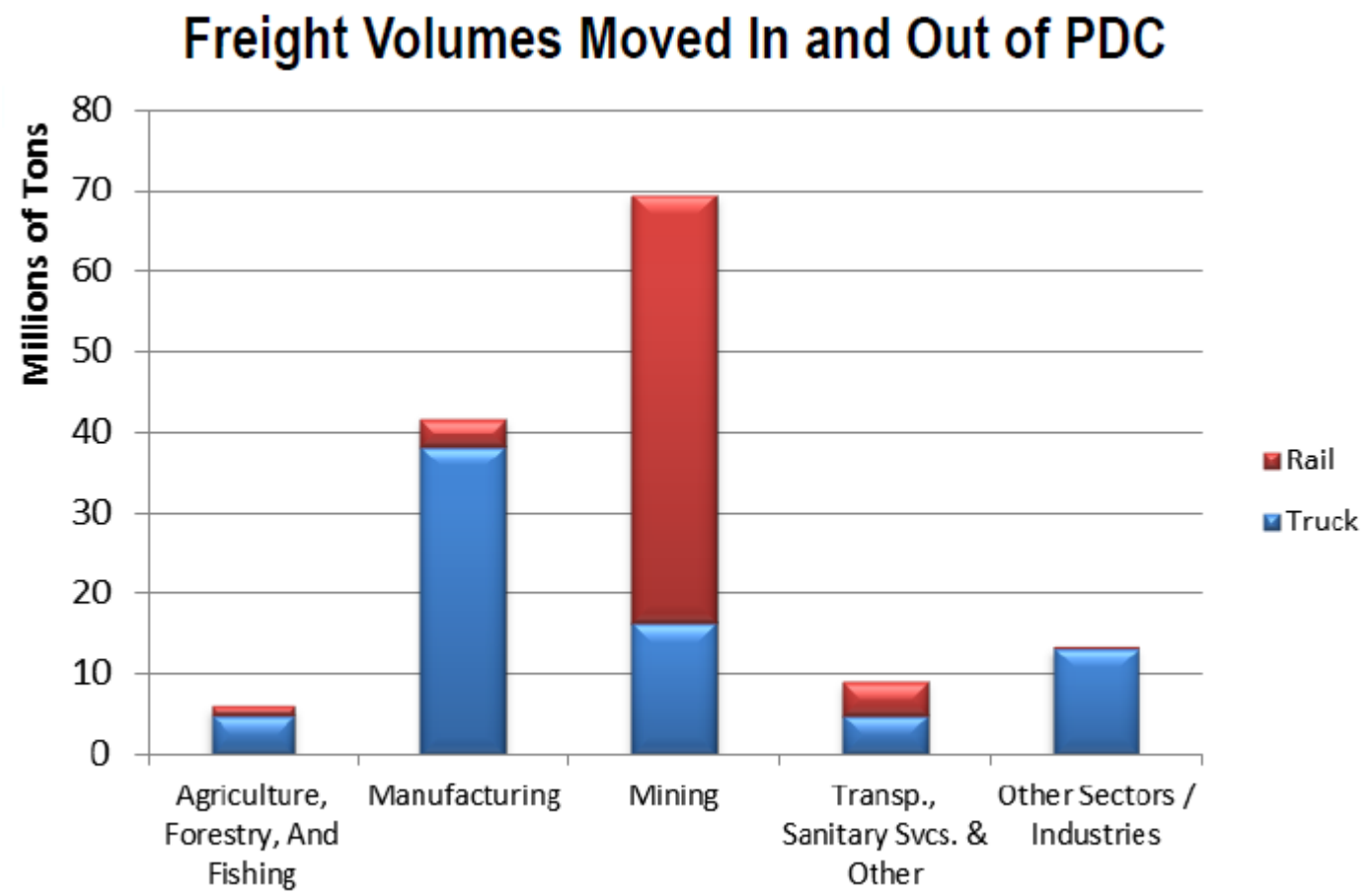
## Demand Trend Data

- Projected Volume & Commodity Type
- Population & Employment Projections
- Labor Market Trends & Initiatives

## Improvement Scenario Data

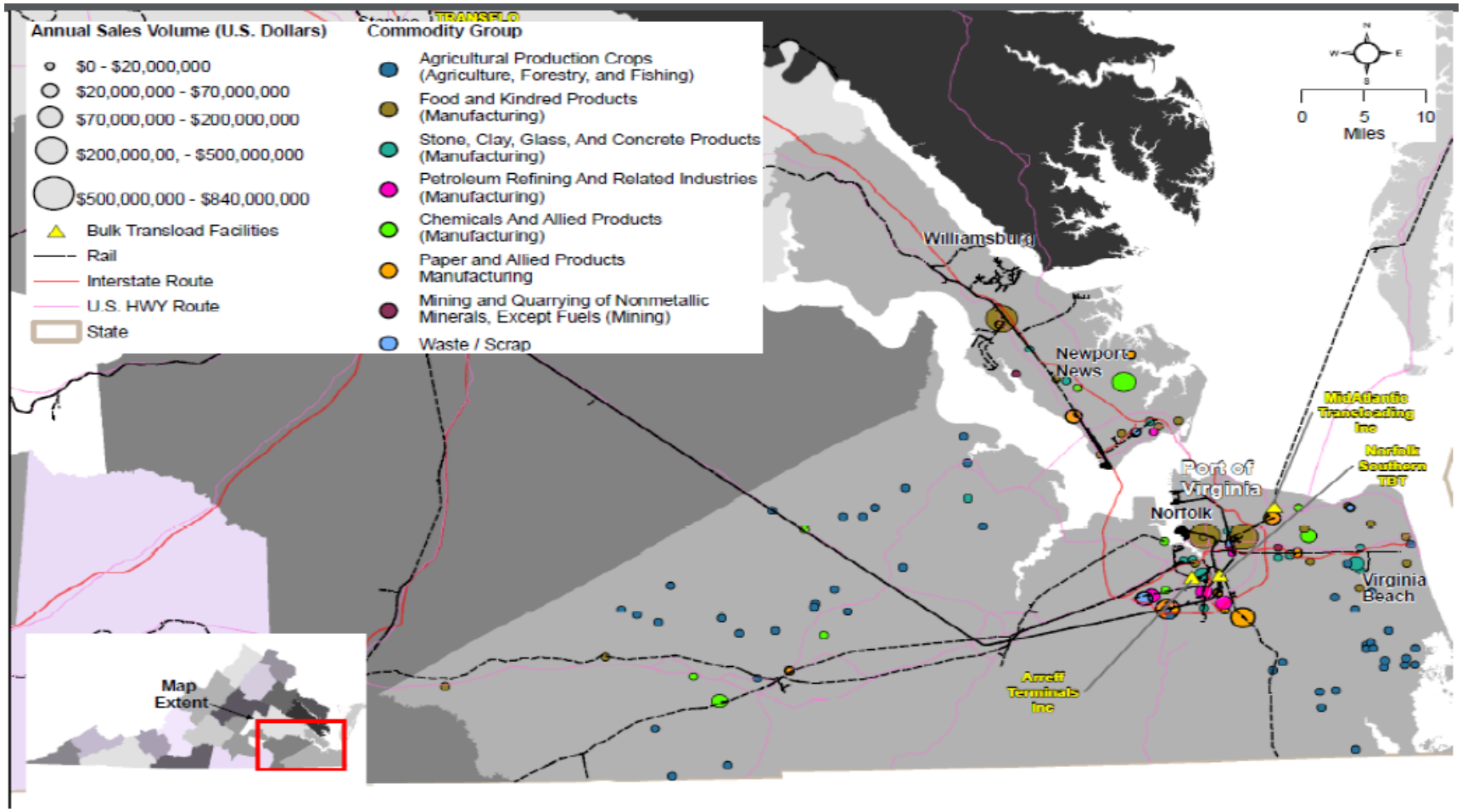
- Potential Rail Diversion Scenario
- Benefits Based on Mode Shift

# Regional Economic Analysis




*2012 Data

# Regional Economic Analysis



# Regional Economic Analysis

## Scenario Analysis

- Characterize rail investment types with potential to capture additional rail travel
  - (i.e. sidings, industrial spur, etc.)
- Evaluate economic benefits of freight diversion
  - (i.e. vmt diversion, jobs, output, etc.)

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# Thank You

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