



Rail/Highway Cost Comparison Study

CTB-R May 15, 2018



Virginia Department of Rail and Public Transportation

*Review study concept
and make any
additions/corrections
before issuing a
purchase order to
complete the work.*

AGENDA

Workshop



1.

BACKGROUND



Background

- VRE 2040 System Plan Review (2016)
 - Statewide Rail Plan (2017)
 - Major Projects
 - DC2RVA
 - Long Bridge
 - Atlantic Gateway
- How do we compare investments in different modes?
 - How do we make investment decisions without ALL the data?
 - When is rail investment the most efficient use of funds?
 - What is the complete lifecycle cost of different modes?





2.

WORKSHOP



1. **Develop Measures and Collection Data**
2. **Analysis and Methodology**
3. **Communication Tools**

SCOPE OF WORK

**Statewide Average
Rail/Highway
Comparative
Measures**

Draft Statewide Average Measures

Construction Cost Cost of constructing highway lane miles versus rail track miles

Operating Cost Cost of operating highway lane miles versus rail track miles

Maintenance Cost Cost of maintaining a lane mile of highway versus a track mile

Subsidy Rates Revenue versus public investment for each mode

ROI Economic benefit generated for each dollar spent?

Job Creation Jobs are created by each mode

Capacity Carrying capacity of rail versus highway

Footprint Width/acreage/land impact of rail versus highway





Thank You
Questions?

