

Shortline Critical Infrastructure: Preliminary Update

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Jeremy Latimer

Department of Rail and Public Transportation



Virginia Department of Rail and Public Transportation

Purpose

Develop a prioritized inventory of critical infrastructure:

- **Align with Commonwealth's goals for SOGR**
- **Understand rough order of magnitude cost**
- **Incorporate critical needs into VTRANS**

What is Critical Infrastructure?

- VDOT term: VITAL
 - Very Large
 - Indispensable
 - Transportation Asset List

(VITAL Infrastructure – Very Large, Indispensable, Transportation Asset List)

Tunnels

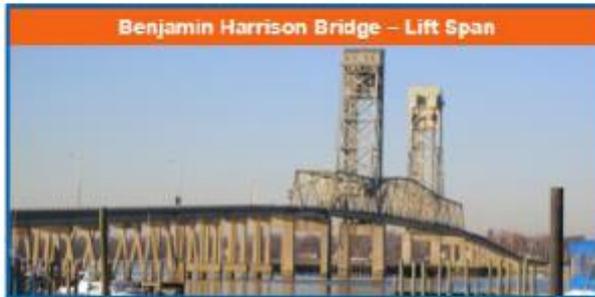
Monitor Merrimac Bridge Tunnel



Unique components and operational needs

Movable Bridges

Benjamin Harrison Bridge – Lift Span



Large, Complex Structures

Varina-Enon Bridge – Richmond District



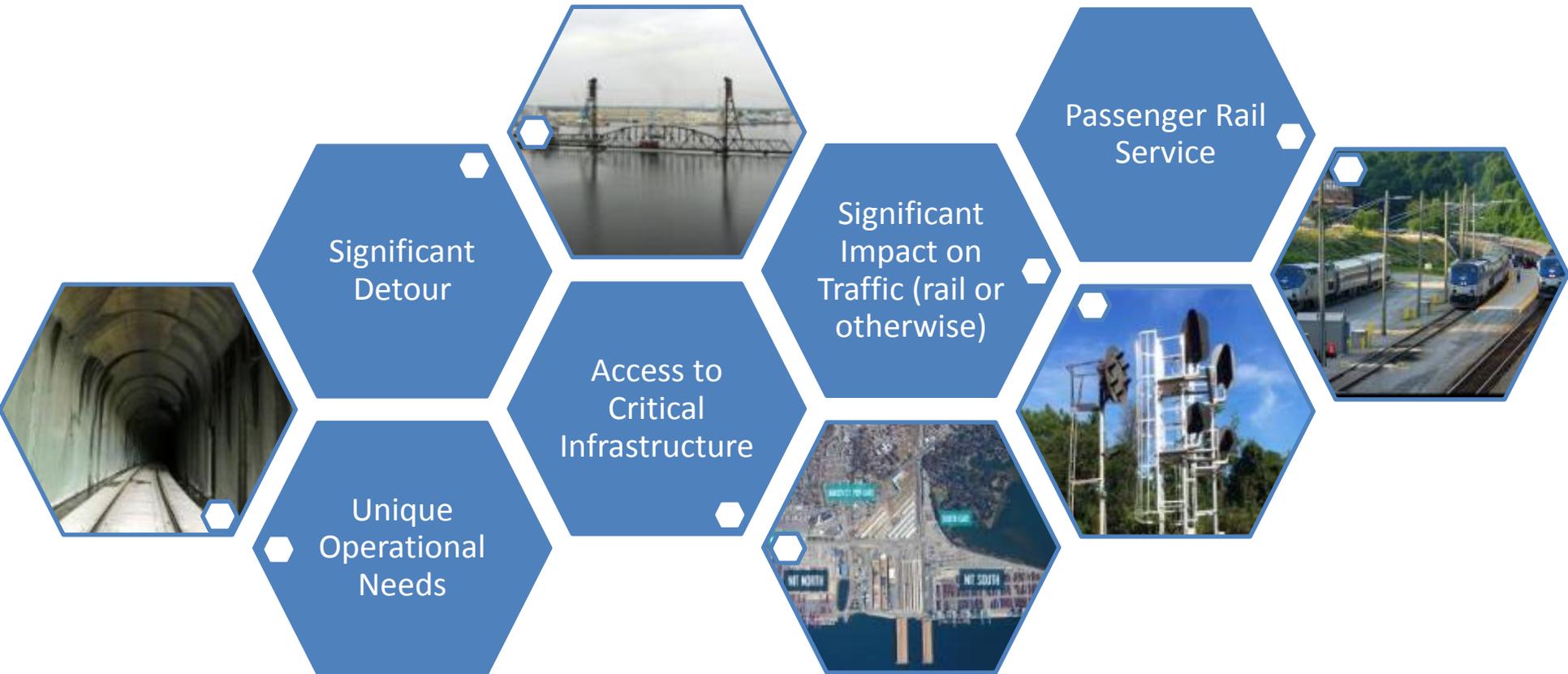
Reviewed entire inventory for all bridges
All segmental post-tensioned
Complex structures over 2,000 feet in length

What is Critical Infrastructure?

Critical Infrastructure is vital and, if out of service, would render a debilitating impact on the railroad's ability to recover within a reasonable amount of time. It is typically:

- very large**
- indispensable**
- unique components**

What is Critical Infrastructure?



Initial Results

Buckingham Branch RR

- 2 Tunnels
- 18 Critical Bridges

Commonwealth Railway

- Access to VIG

Delmarva Central RR

- 3 Bridges in MD and DE

NPBL

- Mainline Bridge over Elizabeth River
- 6 Critical Bridges

Shenandoah Valley RR

- 2 60ft high bridge spans
- 13 Critical Bridges

Awaiting...

- 4 other RR's

Next Steps

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- **Create an Inventory w/ROM Cost**
(Develop Prioritization Criteria)

- 
- **Identify Funding Strategies**
(Federal, State, Regional)

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- **Include in VTRANS**
(OIPi Identified Needs)