

Project Overview and Update for the 2013 Delmarva Freight Summit

June 26, 2013











VANTAGE POINT DEVELOPMENT ADVISORS, LLC





MAN, REQUARDT & ASSOCIATES, LLP WRALLP.COM

Project Definition

- Multi-state / multi-MPO freight plan
- Multimodal freight transportation infrastructure

Federally-compliant under MAP-21

- Performance-oriented plan
 - Freight connectivity, mobility, and accessibility
 - Safety and security
 - Sustainability and environmental stewardship
 - Economic vitality
 - System management, operations, and maintenance









June 2012-2013 Six key tasks to-date





Moving Ahead for Progress in the 21st Century

- Signed into law July 6, 2012
- Outlines National Freight Policy
- Outlines requirements for state freight plans
- Emphasizes project prioritization to improve freight movements
- Emphasizes establishment of state freight advisory committees



Delmarva Freight Plan

Appendix A Document Review Summary

- Project area freight plans
- Project area multimodal plans
- Regional plans
- National guidance
- Peer reviews / Other sources

The Delmarva Freight Plan must reflect intra-regional, inter-regional, and national trends in freight movement and planning



Delmarva Freight Plan

Appendix B Stakeholder Outreach Summary

- Project advisory meetings
- Freight summit insights
- Stakeholder interviews

Document

Reviews

Online Survey

MAP-21



Please visit our exhibit table!





U.S. Department of Transportation Federal Highway Administration

Surface Transportation Board

- IHS Transearch data
- FHWA FAF-3 data
- STB rail waybill data



MAP-21 Document Reviews Outreach Freight Flows Cargo Scenario Model Planning

National-regional-peninsula focus

CITILABS

Current and future freight forecasting

Cube

- Intermodal transfers and performance
- Local and long-haul trip predictions
- Decision-making impact tests
- Valuable tool for future agency use





Model Buffer Area



Model TAZ Structure



Model Highway Network



Model Rail Network



<u>Delmarva Freight Study</u>

What are Scenarios

- Explore a focal issue
- Explore challenging & diverse futures
- Provide insights for decision-makers

Scenarios are NOT alternatives!

"A scenario is simply a vision of a possible future state of the world and the relevant environment. Scenarios are methodically constructed stories..." (Source: NCHRP 750)



Constructing the Scenario

Factors to react to...

Factors to influence...

(ex: energy market trends)

(ex: policy / investment assumptions)

Performance measures... (*ex: travel time to the bay bridge*)
Scenario insights... (*ex: problem areas or economic costs*)
Factors to influence... (*ex: policy / investment priorities*)



Anticipated Scenarios

Baseline Scenarios:

- 2011 "Existing" conditions
- 2040 "Business as Usual" or "No-Build" conditions

Economic Outlooks:

- Trendline Growth assumptions
- Accelerated Employment assumptions

Infrastructure Scenarios:

- Multimodal Constraint Scenario
- Multimodal Enhancement Scenario



Please visit our exhibit table... and fill-out a comment form!

Multimodal Constraint Scenario



What would the future look like if freight transportation on the peninsula was constrained by a loss or reduction of key multimodal elements or opportunities?

For example, WHAT IF...

- . freight rail access across/along the NEC continues to be restricted to a narrow window of time?
- . coal freight demand to the Indian River power plant ceased?
- ... at-grade rail / highway crossing conflicts increased?
- ... the NS Delmarva Secondary became a shortline railroad (from Porter to Pocomoke City)?
- 5 ... the NS Indian River Secondary became a shortline railroad (from Harrington to Frankford)?
- . the BCRR car float operations permanently ceased?
- Wicomico River barge travel was restricted due to funding / dredging constraints?
- Pocomoke River barge travel was restricted due to funding / dredging constraints?
- oil and gas imports/exports had fewer transport options?
- . truck volumes and roadway maintenance needs increased substantially?

Constraint Scenario w/ Trendline Growth:

Jeln Freigh Plan

What would this future look like in 2040 with trendline economic or demographic changes?

Constraint Scenario w/ Accelerated Employment:

What would this future look like in 2040 with accelerated Noyment growth in certain industri-

Outreach

Multimodal Enhancement Scenario



What would the future look like if freight transportation on the peninsula was enhanced or expanded by key multimodal elements or opportunities?

15

For example, WHAT IF...

- 1 ... a completed Chesapeake Connector expanded freight rail access along/across the
- .. coal freight losses to the Indian River power plant were offset by other/new rail demand?
- ... the NS Indian River Secondary became a shortline railroad (from Harrington to Frankford)?
- , the peninsula's rail network was enhanced (e.g., removal of speed/weight restrictions or bottlenecks)?
- (5) ... the Seaford Rail Bridge was reconstructed?
- , a new intermodal facility was strategically located (e.g. near Newark, Seaford, Delmar, or Salisbury)?
- BCRR car float operations were stabilized or expanded?
- . Post-Panamax shipping trends directly impacted the region (e.g., via Baltimore or Norfolki?
- , short sea shipping opportunities or the marine highway concept flourished?
- ... the Port of Wilmington developed a new container facility?
- ., oil and gas imports/exports had more transport options?
- 12 ... higher freight volumes increased conflicts with other users (e.g., barges versus recreational water or waterfront property access; or trucks versus seasonal tourism)?

Enhancement Scenario w/ Tren-"

What would this f nomic or d

Scenario Planning

-8-26-2013

MAP-21

Document Reviews

Please visit our exhibit table... and fill-out a comment form!



Next Steps...

- ✓ Finalize commodity flow data
- ✓ Finalize Cube Cargo model
- $\checkmark\,$ Run scenario models and review insights
- $\checkmark\,$ Plan for policy and economic guidance
- \checkmark Plan for transportation projects and strategies
- ✓ Submit Final Plan \approx December 2013









Dover/Ken

County MP



& ASSOCIATES,

AN. REOU

17