

How HRTPO Helps Freight Move

For “Talking Freight” Webinar 3-18-15
An Overview of MARAD's StrongPorts Program
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Hampton Roads Transportation Planning Org.

Overview

- HRTPO & FTAC
- Identifying and Testing Projects for Moving Freight
- Addressing Impact of Rail on Highway Transport
- Promoting Freight Projects

HRTPO

- The Hampton Roads Transportation Planning Organization (HRTPO) is the MPO for Hampton Roads VA:
 - One of the largest container ports on East Coast
 - 1.7m population
 - Largest naval base in the world



FTAC

- The Freight Transportation Advisory Committee (FTAC):

- Advises the HRTPO Board
- Comprised of freight professionals, e.g.
 - Va. Maritime Association
 - CrossGlobe Group
 - Givens Transportation
 - Norfolk Southern R/R
 - Canon
 - Walmart
 - COSCO Container Lines



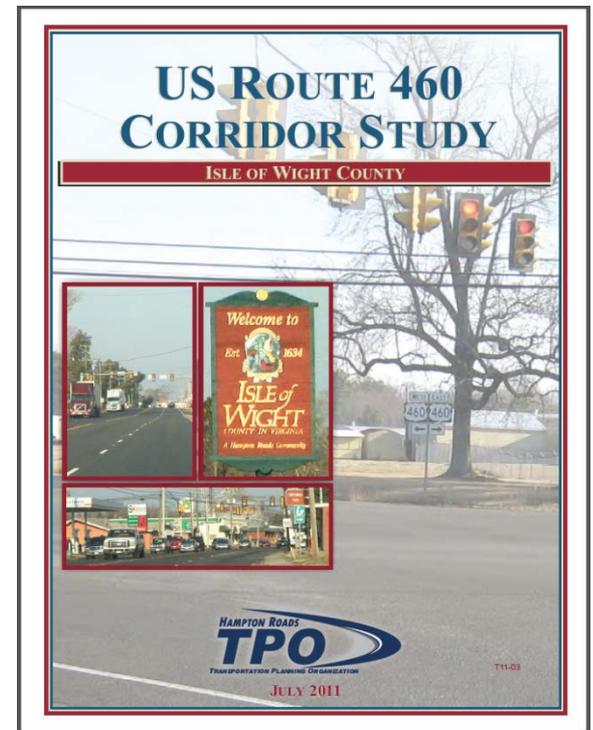
FTAC

- The Freight Transportation Advisory Committee (FTAC):
 - Staff: **Va. Port Authority** (VPA)-
Jeff Florin
 - Prepares agendas
 - Provides meeting space
 - including refreshments and lunch
 - Identifies candidate members
 - Funded and managed video preparation (below)
 - Managing toll impact study (below)
 - Funded and managed freight summit (below)



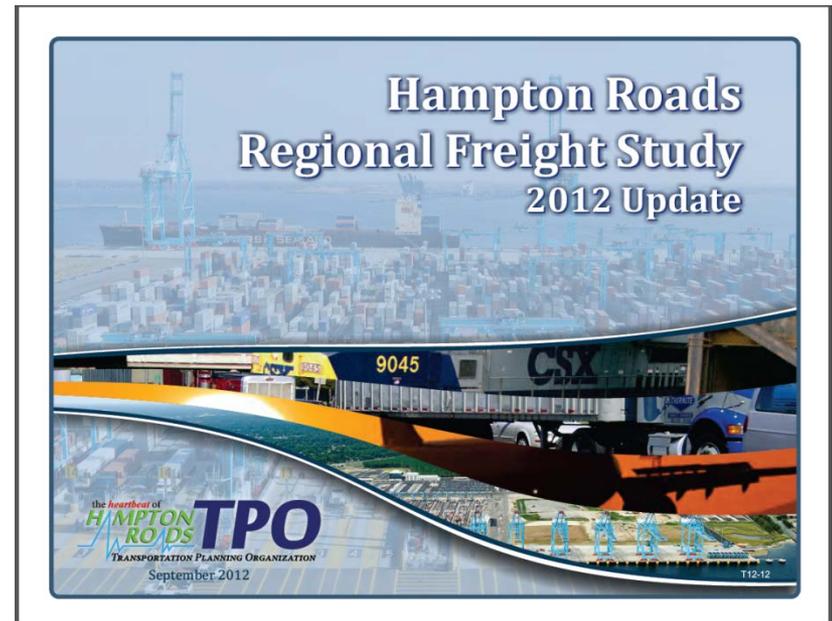
Identifying and Testing Projects

- The HRTPO conducted “corridor studies” along **routes with high truck volumes**:
 - forecasted traffic
 - analyzed intersections, and
 - recommended improvements
- [Holland Road \[US 58\] Corridor Study, 2008](#)
- [Pruden Boulevard \[US 460\] Corridor Study, 2010](#)
- [US Route 460 Corridor Study \[IW\], 2011](#)
- US 58 and US 460: **Two of main routes serving port**



Identifying and Testing Projects

- HRTPO staff conducted a regional freight study:
 - weight and value of products **imported and exported by port**
 - **enumerated delays** currently experienced by trucks
 - recommended a major highway project for addressing those delays
 - [Hampton Roads Regional Freight Study, 2012](#)



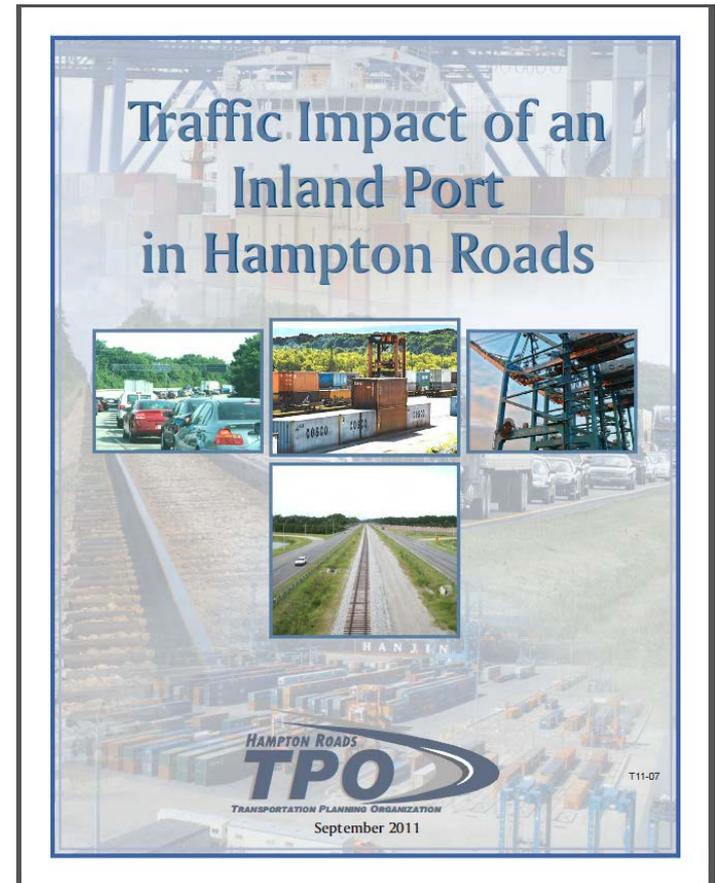
Identifying and Testing Projects

- Existing and Future Truck Delay in Hampton Roads, 2013
 - builds on the 2012 study
 - forecasts truck volumes and delays
 - uses the new **truck component** and **time-of-day** capability of the regional travel demand model to forecast truck volumes and congestion
 - Ports added as special truck generators
 - advice from FTAC
 - used as input to Project Prioritization Tool for LRTP



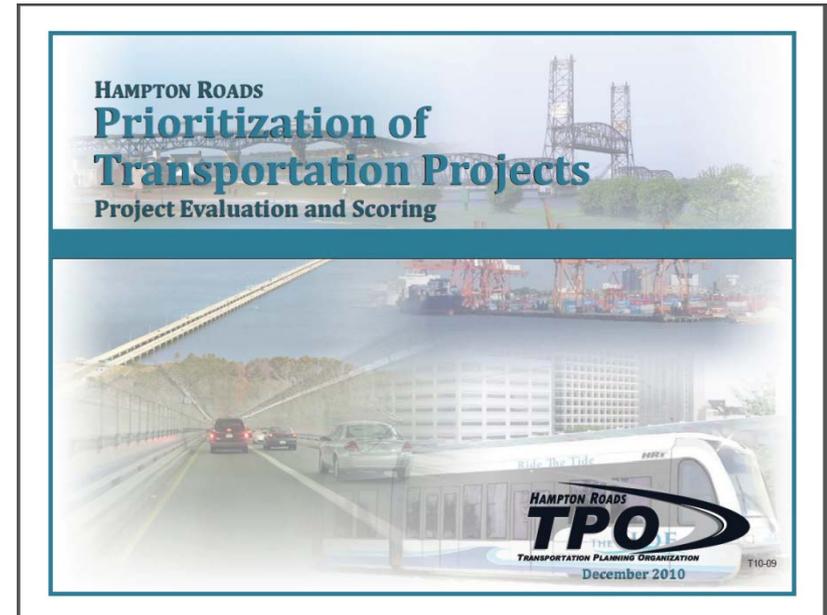
Impact of Rail on Highway Transport

- HRTPO also examined the impact on regional highway congestion of a hypothetical “inland port” on the edge of Hampton Roads
 - freight carried to/from the port could change modes to/from truck/rail at inland port in order to **minimize congestion**
 - advice from **FTAC and VPA staff**
 - finding: Although other impacts may be significant (e.g. development of distribution centers), impact to regional congestion would be **small**.
- [Traffic Impact of an Inland Port in Hampton Roads, 2011](#)



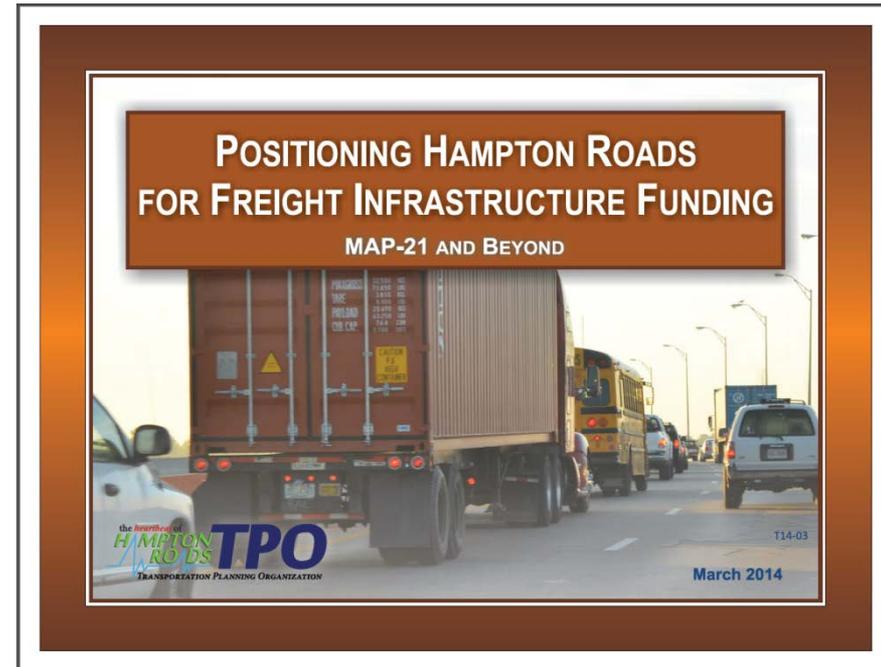
Promoting Freight Projects

- **Prioritization Tool** (2010) to score the desirability of candidate projects for the **Long-Range Transportation Plan**
 - Prioritization Tool reflects freight needs
 - Points awarded to a candidate highway project
 - if it “increases **access to port facilities**”
 - Points are awarded to a candidate intermodal project
 - if it “increases **access to the port**”, “improves freight movement by rail”, or has a positive “impact on truck movement”
 - Points are awarded to a candidate bridge or tunnel project
 - if it “increases **access to port facilities**”



Seeking Funding for Freight Projects

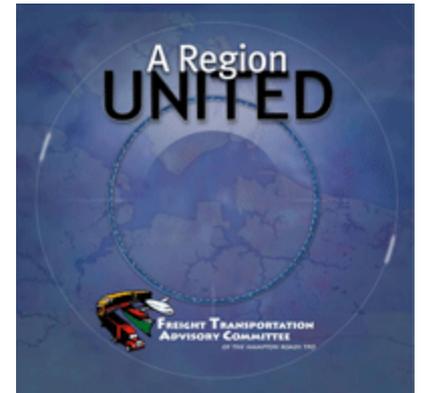
- HRTPO staff also identified and analyzed a base network of highways anticipated to be part of the **National Freight Network**.
 - Addressed several required elements of the **National Freight Strategic Plan**
 - Goal: strategically position the State of Virginia and the Hampton Roads region for future freight infrastructure funding initiatives.



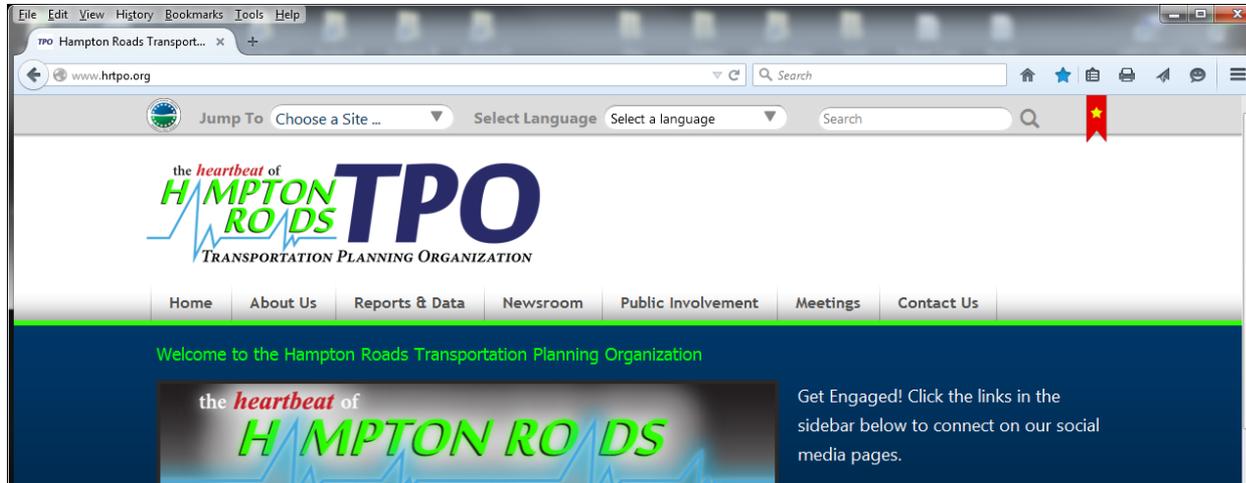
- [Positioning Hampton Roads for Freight Infrastructure Funding: MAP-21 and Beyond, 2014](#)

Promoting Freight Interests

- Freight Transportation Advisory Committee (FTAC):
 - Produced a promotional freight video (2011)
 - “A Region United” (managed & funded by VPA)
 - Hosted 2011 “Virginia Freight Transportation Summit” (managed & funded by VPA)
 - Identified freight-beneficial projects to be considered for 2040 Long-Range Trans Plan (2015)
 - Managing a study of tipping point for toll amounts impact on trucks and economy (2015)
 - Funded by HRTPO
 - Managed by VPA



For More Information



- www.HRTPO.org
 - FTAC: “About Us”
 - Reports: “Reports & Data”