

HRTPO FREIGHT PLANNING EFFORTS

HAMPTON ROADS CERTIFICATION REVIEW
AUGUST 14, 2024



PORT OF VIRGINIA



**3rd Largest Container
Port on the East Coast**



**Largest Growth of any East
Coast Port, 2020-2022**



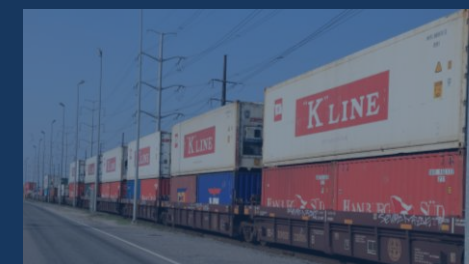
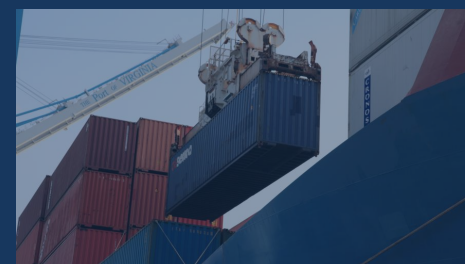
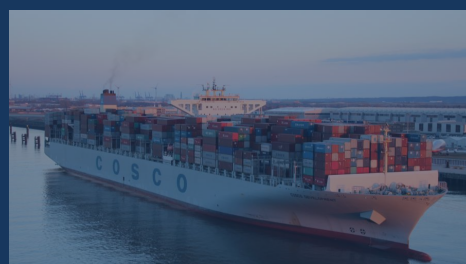
**Largest Exporter of
Coal in the Country**



FREIGHT TRANSPORTATION ADVISORY COMMITTEE (FTAC)

FTAC was established in **2009** by the HRTPO Board to provide an **opportunity for the freight industry to participate in and contribute to the regional transportation planning process.**

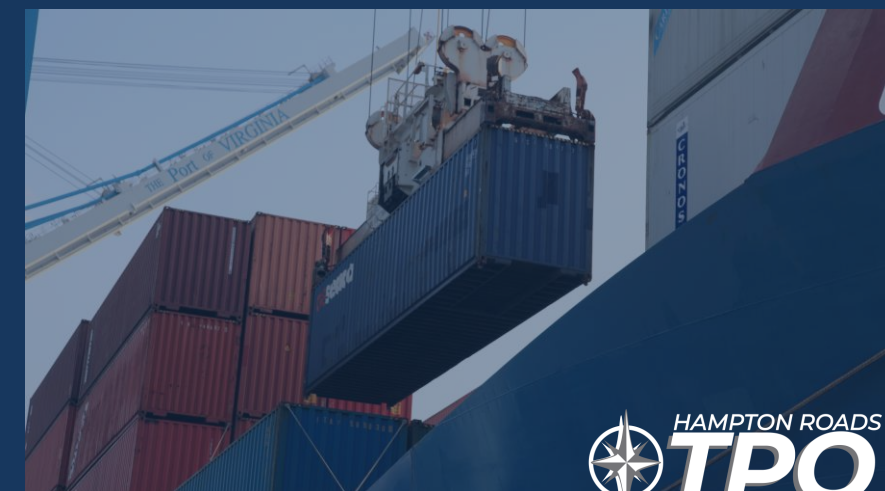
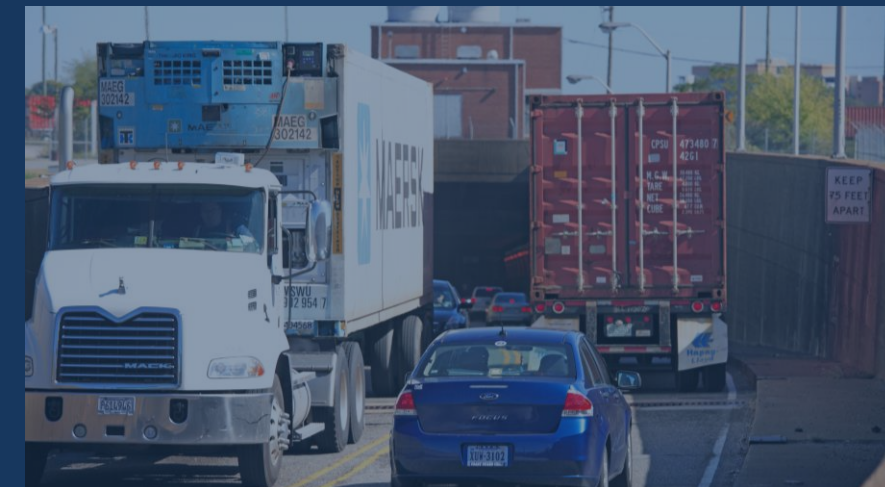
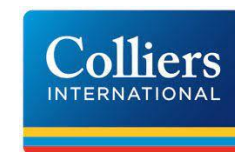
- **The Mission of the FTAC is:**
“To advocate on behalf of the systematic needs for the transport and movement of freight in the region. The committee will act as an advocate for freight issues and bring awareness of those issues to the public, key stakeholders and policy makers.”



CURRENT FTAC MEMBERSHIP

- FTAC consists of 9 members, largely from private industry. HRTPO staff primarily handles the administration of FTAC, and staff from the Virginia Port Authority works in partnership to advise and support the Committee. Meetings are held on a quarterly basis.

- **Robert Eveleigh,**
Port City Transportation
Chair
- **David White,**
Virginia Maritime Association
Vice-Chair
- **Paul Croft,**
Canon Virginia, Inc.
- **Mike Abbott,**
Hapag-Lloyd (America) LLC
- **Kathleen Alexander,**
Newport News Shipbuilding
- **Cannon Moss,**
Norfolk & Portsmouth Belt Line Railroad
- **Pat Molloy**
Colliers International, Norfolk
- **Chad Gregg**
Givens Transportation
- **VACANT**



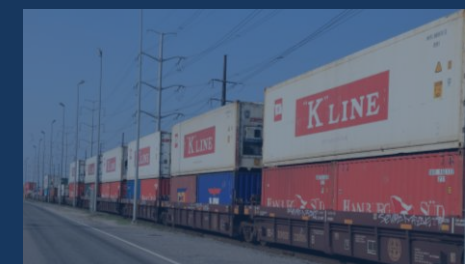
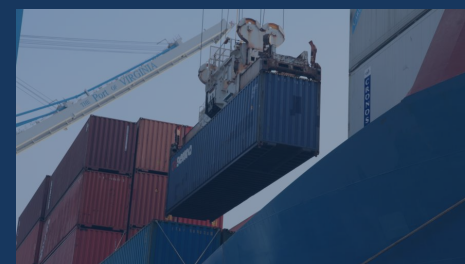
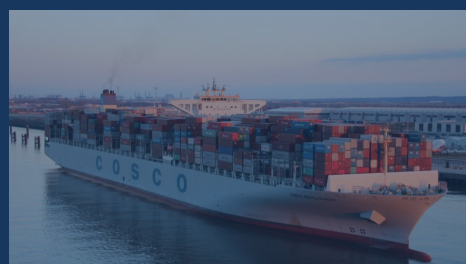
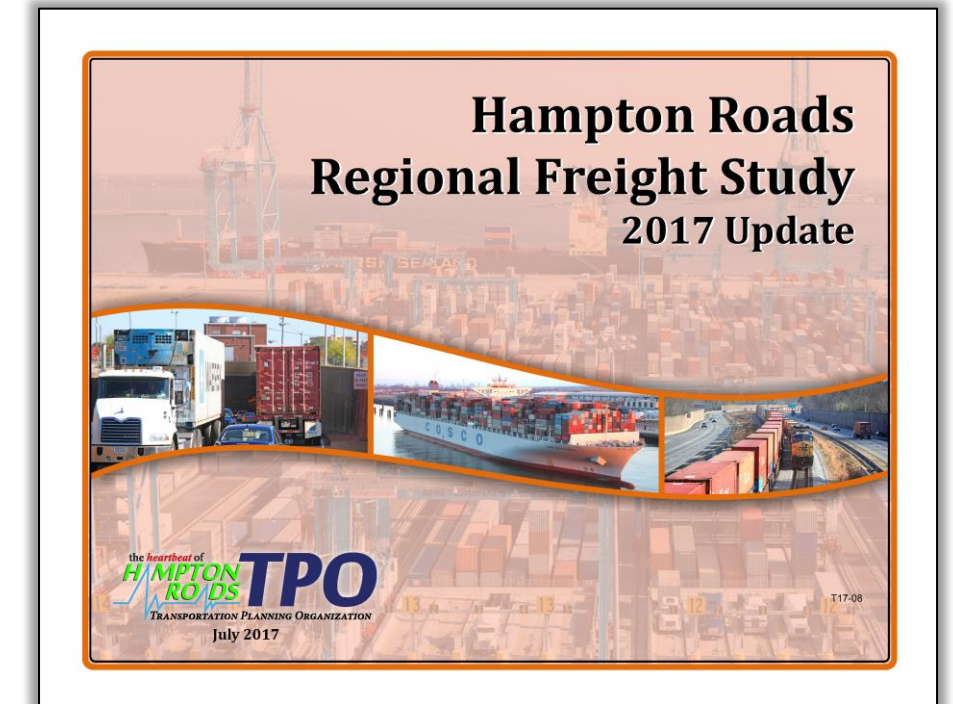
FTAC EFFORTS



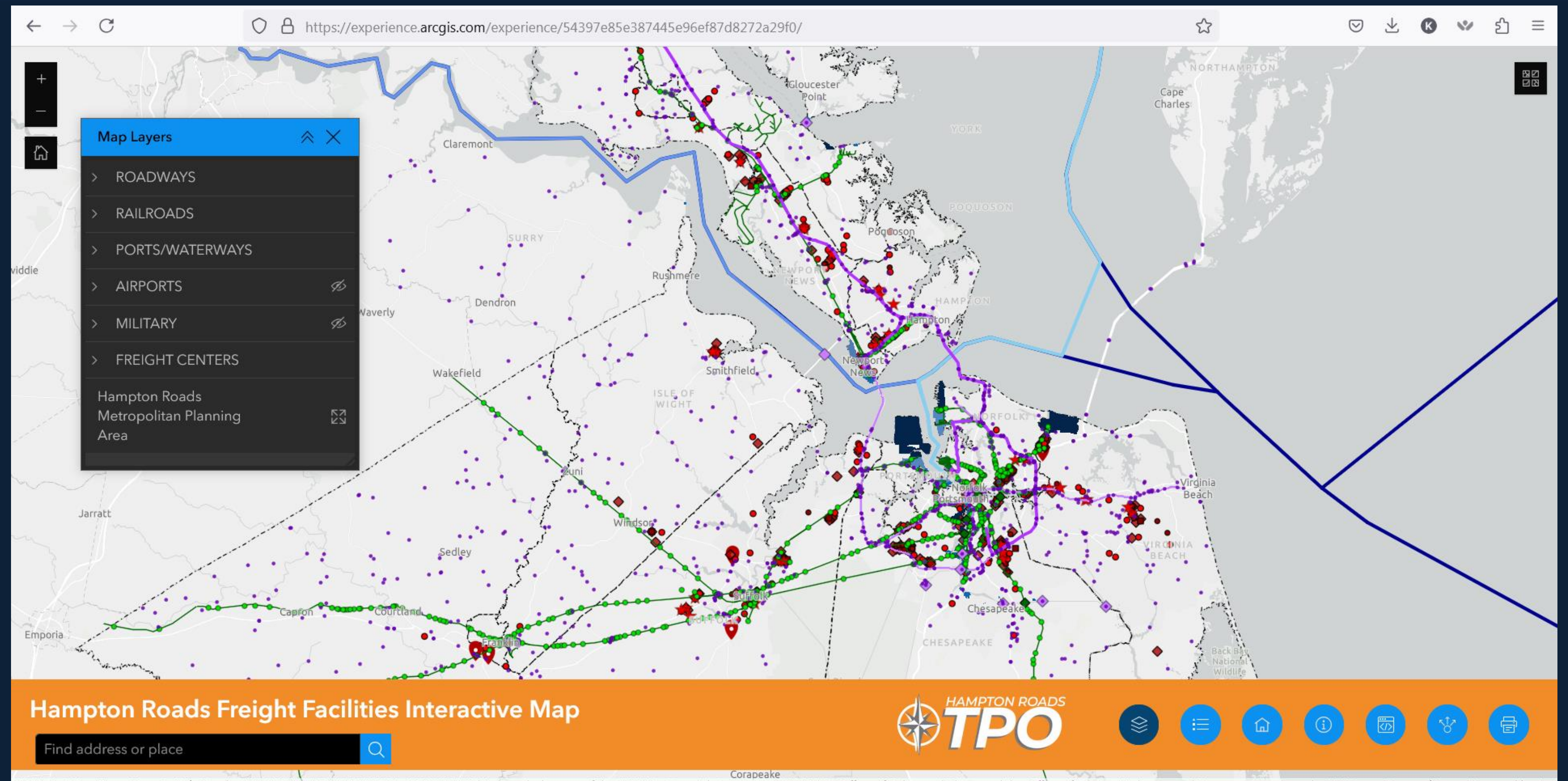
- Requested HRTPO staff prepare a number of freight-related special studies.
- Provided input and support for various HRTPO regional transportation planning efforts including the Long-Range Transportation Plan (LRTP) and Regional Freight Study.
- Provided guidance through several resolutions, including ones related to LRTP candidate projects, the Hampton Roads Crossing Study, and a future Interstate between Hampton Roads and Raleigh.
- Provided comments on the USDOT RFI for the National Multimodal Freight Network (NMFN).
- The FTAC Chair provides an update to the HRTPO Board at each meeting.

REGIONAL FREIGHT STUDY

- **The Regional Freight Study is a comprehensive resource document on the Hampton Roads multimodal transportation system.**
 - **Integration of Freight into the Transportation Planning Process**
 - **Freight Facilities Inventory**
 - **Freight Trends and Forecasts**
 - **Hampton Roads Commodity Flows**
 - **Regional Truck Movement and Bottlenecks**
 - **National Freight Planning Efforts and Funding Sources**
- **Data from the study feeds into HRTPO efforts including the CMP and LRTP.**
- **HRTPO staff prepares the Regional Freight Study on a recurring basis and is currently preparing an update to be completed by the end of 2024.**



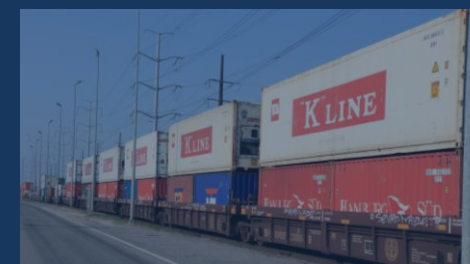
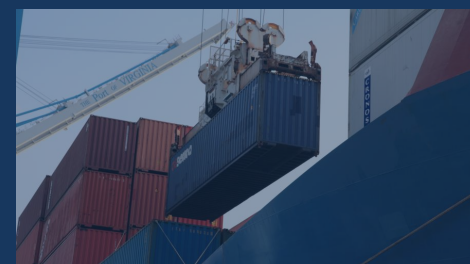
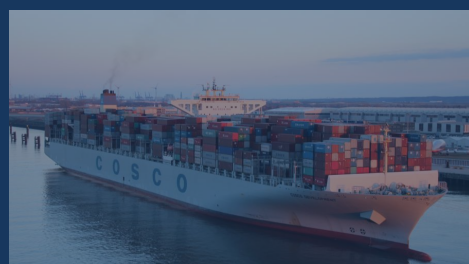
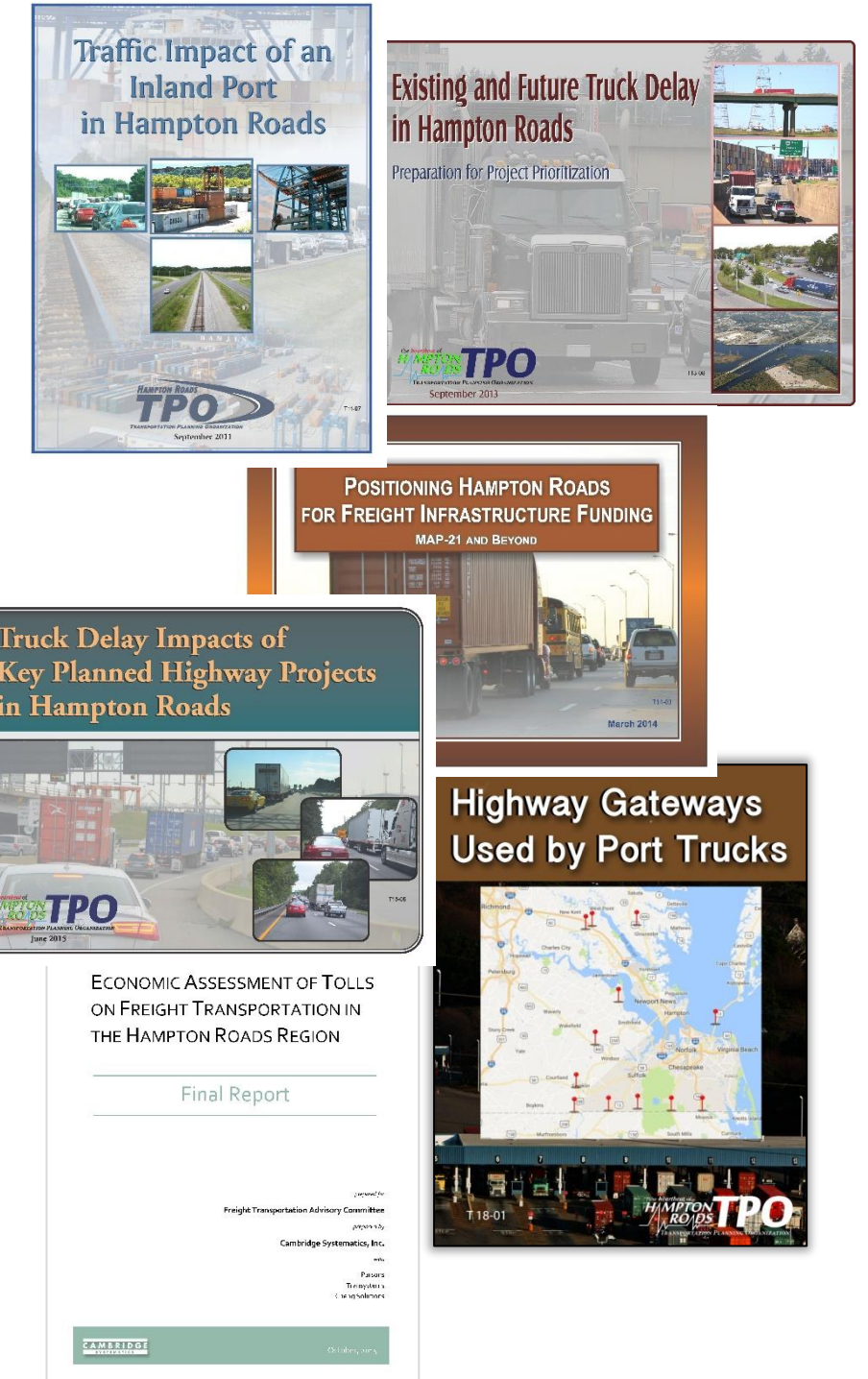
REGIONAL FREIGHT FACILITIES INTERACTIVE MAP



<https://experience.arcgis.com/experience/54397e85e387445e96ef87d8272a29f0/>

FREIGHT-RELATED SPECIAL STUDIES

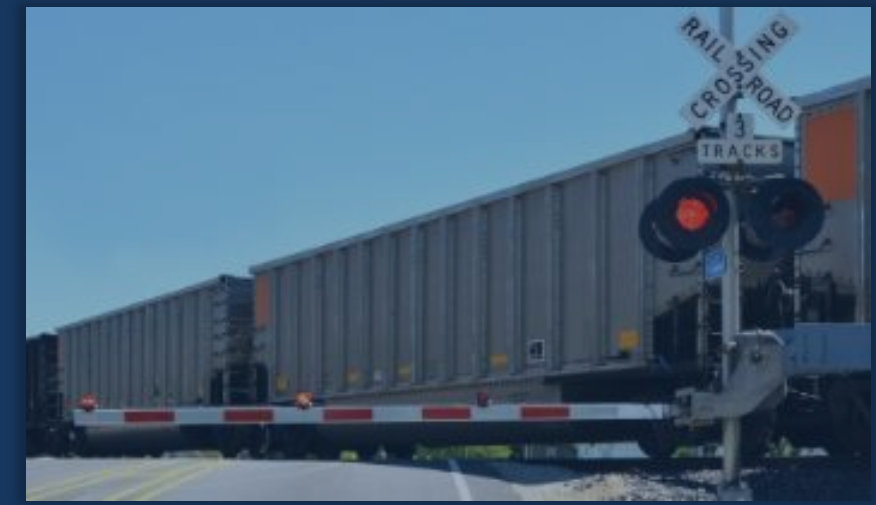
- **Traffic Impact of an Inland Port in Hampton Roads (2011)**
- **Existing and Future Truck Delay (2013)**
- **Positioning Hampton Roads for Freight Infrastructure Funding (2014)**
- **Truck Delay of Key Planned Highway Projects in Hampton Roads (2015)**
- **Economic Assessment of Tolls on Freight Transportation in the Hampton Roads Region (2015)**
- **Highway Gateways Used by Port Trucks (2018)**
- ***Hampton Roads Rail Crossings Study (ongoing)***



REGIONAL RAIL CROSSINGS STUDY

The FTAC requested that HRTPO prepare a Regional Rail Crossings Study in order to better position Hampton Roads for Railroad Crossing Elimination Program funding

- **Prepare an inventory of regional crossings**
- **Identify areas with only one access that is crossed by a railroad**
- **Prioritize at-grade crossings throughout the region using factors including roadway type, vehicle and train volumes, delay, emergency response and equity.**
- **Analyze these prioritized at-grade crossings to evaluate candidate projects**
- **Identify the data that would be required for producing applications for these projects**



FREIGHT RELATED PRIORITIZATION MEASURES

ROADWAY CATEGORY

- Truck Travel Time Reliability
- Project Significantly Reduces Travel Time for Trips to Ports
- Project Improves Access to Truck Zones
- Project Reduces Traffic Delay at Congested Intersections/Interchanges/Bottlenecks with High Percentage of Truck Traffic
- Project Results in Unimpeded Commercial Maritime/Rail Traffic (Bridge/Tunnel)
- General: Reduced Congestion, Improved Regional Travel Time, Improved Access (Major Employment, UDA's, Governor's Opportunity Zones)

INTERMODAL/FREIGHT CATEGORY

- Better Accommodates Intermodal Movements
- Improves Rail or Vehicular Access
- Travel Time Reliability
- System Continuity and Connectivity
- Modal Enhancements
- Reduction in Regional Travel Time and Delay
- Labor Market Access
- Improves Interaction Between Modes of Travel for Basic Sector Industries
- Increased Opportunity
- Project Viability (readiness, land use compatibility, environmental considerations, cost effectiveness)



FREIGHT CONSIDERATIONS IN REGIONAL TRAVEL DEMAND MODEL

- **Regional Travel Demand Truck Model**
 - **Truck Classes 6-13**
 - **Truck Volumes**
 - **Origins-Destinations**
 - **External Trips**
 - **Peak-Period Trips**
 - **Truck Zones**
 - **Concentrations of industrial/warehouse land uses**
 - **Specific truck generating activity (e.g., truck stops, intermodal transfer facility, etc.)**
 - **Port TEUs**
 - **Truck Prohibitions**
- **Collaborate with VPA and FTAC to develop/review socioeconomic data, truck zones, and TEU estimates**

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