DELMARVA FREIGHT STUDY

PURPOSE
To comprehensively evaluate the multimodal freight transportation system and related operations on the Delmarva Peninsula, determine its effect on the environment and economic development, and develop and assess future planning scenarios to identify priorities for relevant investment and regulation changes.

REGIONAL MPO'S
- DVRPC
- WILMAPCO
- BMC
- WASHCOG
- Hampton Roads
- South Jersey TPO

STAKEHOLDERS
- Agency
- Industry
- Shipper

KEY TASKS
- Conduct agency, industry, and shipper outreach
- Develop CUBE Cargo Model
- Generate preliminary freight forecasts and evaluations
- Prepare future planning scenarios and sensitivity analysis
- Address final policy, economic, and transportation plans

GOALS & OBJECTIVES
- Freight Connectivity, Mobility & Accessibility
- Safety & Security
- Sustainability & Environmental Stewardship
- Economic Vitality
- System Management, Operations & Maintenance

Study Area = 5978 sq. mi.
Total Population of Study Area (2010 US Census) = 1,402,652
**Delmarva CARGO Model**

**PURPOSE & NEED**
- Forecast current and future freight movement in the Delmarva Peninsula, by commodity groups and mode of travel
- Accurately capture inter-modal transfer of goods and freight system performance
- Test impacts of decisions such as infrastructure investments, regulations and modal enhancements.

**MODEL HIGHLIGHTS**
- Three-level CUBE CARGO Model (National, Regional, Delmarva)
- Multimodal freight options (Truck, Rail, Air, Water/Port, Pipeline)
- Freight Movement at key intermodal transfer centers (Warehouses, Distribution Centers, Rail Yards, Ports)
- Capture of local deliveries and long haul trips

**MODEL INPUT**
- Zonal level socioeconomic data (population, employment)
- National Planning Highway, Rail, Water networks
- TRANSEARCH commodity flow data
- Time and cost for each mode
- Establishment Survey

**MODEL OUTPUT**
- Long Haul direct flows by mode
- Long Haul to/from TLN flows by mode
- Short Haul flows by truck and commodity class
- Short Haul to/from TLN flows by commodity class

**CARGO MODEL NETWORK**

For more details and additional material regarding the project, please check the WIL- MAPCO website at http://www.wilmapco.org/fwg/