



## Port Planning I:

# What is “Metropolitan Transportation Planning?”

*Healthy Communities 2016, LLC*



# Port Integration – Modules Overview

- Ports should be better integrated into the port planning process. These modules, including this one, provide information that will help you understand the how to get better integrated into the Federal Highway Administration (FHWA) transportation planning process and identify related port related resources & factors.
- There are five modules, including this one:
  - I. What is Metropolitan Transportation Planning?
  - II. What Resources are Available to Ports for Better Planning?
  - III. How Can Ports Better Leverage Federal, State, Regional & Local Resources?
  - IV. How Can You Determine Your Port's Economic Contribution to the Metropolitan Area?
  - V. How to Get Your Projects in the State & Local (Regional) Long Range Transportation Plans and Transportation Improvement Programs?
- At the end of each module you can find next steps and other related resources.



# Port-Specific Information

## *Why This Matters to Ports*

Being integrated into the FWHA planning process, including having your project in the regional Transportation Improvement Plan (TIP), can help you access new funding authorized by the Transportation Infrastructure Finance Innovation Act (TIFIA) and other potential streams of funding. Understanding what your State department of transportation, regional Metropolitan Planning Organization (MPO) or local municipality can provide gives you more tools to work with; for example, many projects are justified by jobs-creation. Understanding a little more about this and other analyses can help you determine your scoping needs to determine your next steps such as, for example, hiring a consultant for a feasibility study.

Healthy Communities 2016 can help you navigate these channels to understand the destination but also pitfalls along the voyage and possible resources including through the Build America Transportation Investment Center (BATIC), National Surface Transportation and Innovative Finance Bureau (NSTIFB), and other programs. There are other resources available at the Federal, State, Regional and Local levels which HC '16 can also assist you in identifying.



# Purpose

- The BATIC & NSTIFB serve as the points of contact and coordination for States, municipalities and project sponsors like ports looking to utilize federal transportation expertise, apply for federal transportation credit programs and explore ways to access private capital in public private partnerships.
- Various Federal, state and local support efforts to improve port infrastructure throughout the United States and ensure ports and related marine facilities are capable of meeting future freight transportation needs.
- This training module provides you an overview of the:
  - Metropolitan Transportation Plan
  - Long Range Transportation Plan
  - Unified Planning Work Program
  - Local and State Transportation Improvement Programs.



# This Module

- Who Is Involved?
- What is Metropolitan Transportation Planning?
- MTP Process
  - *Vision & Goals*
  - *What is the Long Range Transportation Plan (now called the Metropolitan Transportation Plan)?*
  - *What is the Transportation Improvement Program?*
  - *What is the Unified Planning Work Program?*
  - *What does the Transportation Planning Model look like?*
- Suggested Next Steps
- Relevant Training
- Other Resources



# Who Is Involved?

MPO	Port	Federal	State
<b>Census Urbanized Area (possibly concurrent with MSA)</b>	<b>Regional United States</b>	<b>Federal Highway &amp; Transit Administrations, FEMA, EPA</b>	<b>State Trans., Rail and Transit Agencies</b>
<ul style="list-style-type: none"> <li>• Develop and implement the Comprehensive, Land Use and Transp. Plans</li> <li>• Involve public officials, interested parties, stakeholders, and the general public during MT's development.</li> <li>• Channel federal funding to regional projects.</li> <li>• Critical traffic counts</li> <li>• Data driven decisions</li> </ul>	<ul style="list-style-type: none"> <li>• Port Master &amp; Strategic Plans</li> <li>• Capital Improvement Plan</li> <li>• Target Industry Analyses</li> <li>• Economic Impact Studies</li> <li>• Port Truck and Rail Access Issues (freight and/or passenger)</li> <li>• Land Us/Industrial Park (Cargo Village) Planning</li> <li>• Foreign Trade Zones</li> <li>• FMCSA &amp; Local Truck Regulations.</li> </ul>	<ul style="list-style-type: none"> <li>• Review &amp; provide comments, technical assistance, guidance and oversight for the MTP development process with FTA.</li> <li>• Assure the MTP meets all requirements.</li> <li>• Consider sustainability and environmental issues.</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain the State Transportation Improvement Program.</li> <li>• Contract roadway construction with matching funds.</li> <li>• Develop various transportation and econ. dev. studies.</li> <li>• Work with federal and local stakeholders.</li> </ul>

**Healthy Communities 2016 can help by initially identifying other funding sources, resources including through BATIC or the new USDOT Finance Center, and other program points of contact.**



# What is the Metropolitan Transportation Planning?

- According to Title 23 (§ 134), “...in cooperation with the State and public transportation operators, (MPOs) shall develop Long-Range Transportation Plans (LRTP) and Transportation Improvement Programs (TIP) through a performance-driven, outcome-based approach to planning for metropolitan areas of the State.
- “The plans and TIPs (Transportation Improvement Plans)...shall provide for the development and integrated management and operation of transportation systems and facilities...that will function as an intermodal transportation system...as an integral part of an intermodal transportation system for the State and the United States.
- “The process for developing the plans and TIPs shall provide for consideration of all modes of transportation and shall be continuing, cooperative, and comprehensive..., based on the complexity of the transportation problems to be addressed. “
- “Each metropolitan planning organization shall provide citizens, affected public agencies, representatives of public transportation employees, public ports, freight shippers, providers of freight transportation services, private providers of transportation, representatives of users of public transportation, representatives of users of pedestrian walkways and bicycle transportation facilities, representatives of the disabled, and other interested parties with a reasonable opportunity to comment on the transportation plan.”



# What is the Metropolitan Transportation Plan?

Legislated in **Title 23, § 134**.

A **20+ year multi-modal plan** developed and adopted through the metropolitan planning process.

A **reflection of the values and vision** of a metropolitan planning area.

The **culmination of a collaborative decision making process** involving regional stakeholders and coordinated by metropolitan planning organizations (MPOs).

A document that **identifies the current multimodal transportation system, future predicted demand on the system, and strategies/actions** to meet those demands given perceived resources available.



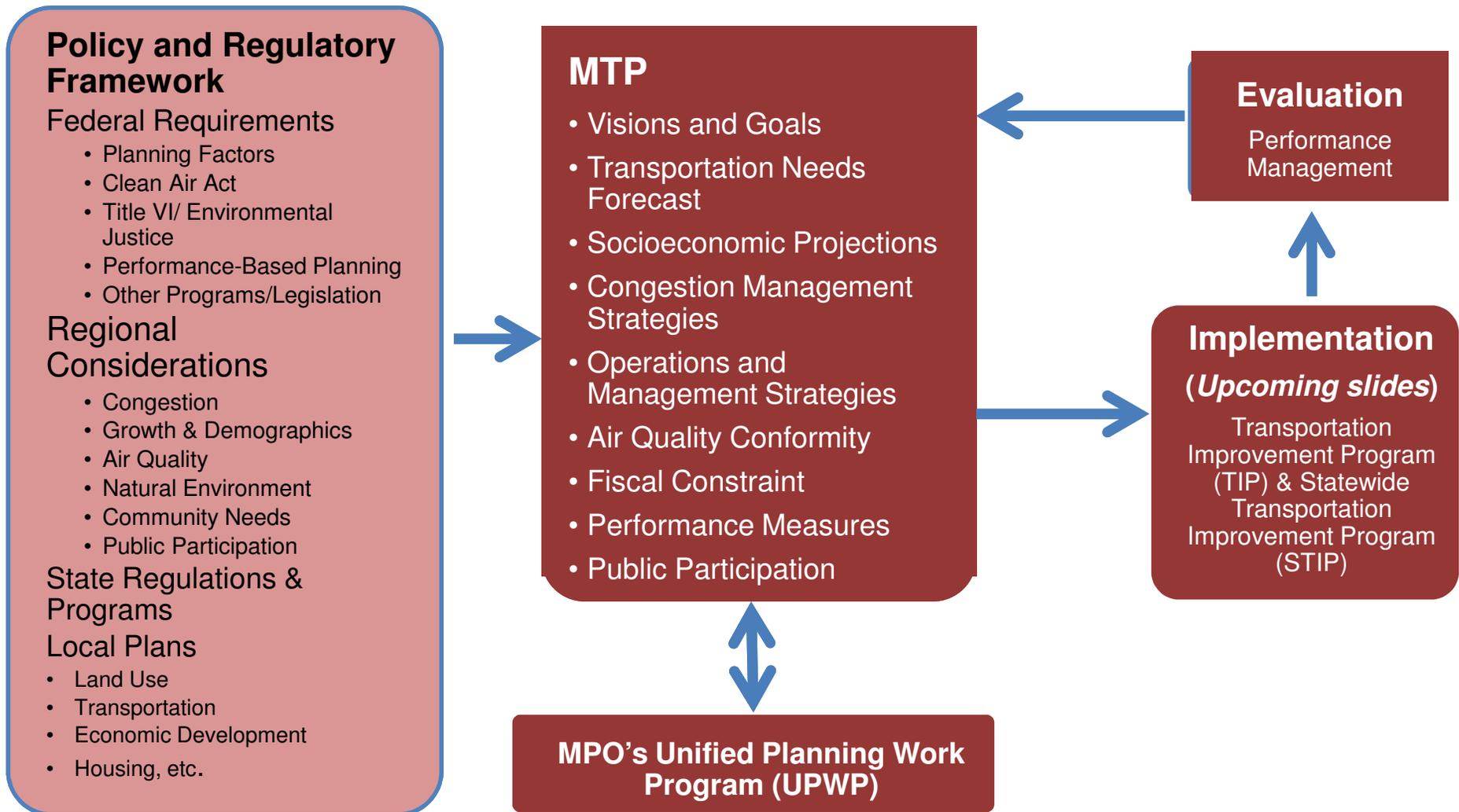
# What does the MTP (the Plan) address?

## **Among other items, the MTP should contain:**

- ✓ Forecasts of people and goods transportation needs over the life of the plan;
- ✓ Short and long-term multimodal transportation strategies for passengers and freight.
- ✓ Descriptions and/or maps of existing and proposed transportation facilities;
- ✓ Consideration of pertinent land use plans and community development objectives;
- ✓ A fiscally constrained list of multi-modal transportation activities; and
- ✓ A discussion of operation and management strategies.



# How is the MTP Connected to the Planning Process?





## Visioning & Developing Goals

- **Visioning** – a process to complete a given framework to see the future of the statewide or metropolitan area (e.g., 20 or 40-year timeframe), helping determine goals.
  - Typically, this effort involves an organized and advertised public involvement process.
- **Goals** - generalized statements which broadly relate the physical environment to values



# What is the Long Range or Metropolitan Transportation Plan?

- An identification of transportation facilities.
- Factors relating to a 20-year forecast.
- A description of the performance measures and targets.
- A system performance report and subsequent updates
- A discussion of environmental mitigation efforts.
- A financial plan.
- Operational and management strategies.
- Capital investment and other strategies.
- Proposed transportation and transit enhancement activities.
- Where MPOs are in nonattainment for ozone or carbon monoxide under the Clean Air Act ([42 U.S.C. 7401](#) et seq.), the development of a transportation plan with the process outlined for development of the transportation control measures.
- In developing multiple scenarios, the MPO should consider baseline and alternative revenue constrained scenarios based on the total revenues expected to be available over the forecast period of the plan; the factors for each scenario including potential regional investment strategies; assumed distribution of population and employment; and estimated costs and potential revenues available to support each scenario.

## Common Port Plans:

- **Port Master Plan**
- **Port Strategic Plan**
- **Target Industry Analysis**
- **Capital Improvement Plan**
- **Truck Access Study**
- **Feasibility Study**



# What is the Transportation Improvement Program?

- A priority list of proposed Federally-supported projects and strategies carried out within each 4-year period after the initial adoption of the TIP.
- A financial plan that: (i) demonstrates how the TIP can be implemented; (ii) indicates resources from public and private sources that are reasonably expected to be available to carry out the program; (iii) identifies innovative financing techniques to finance projects, programs, and strategies; and (iv) may include, for illustrative purposes, additional projects that would be included in the approved TIP if reasonable additional resources beyond those identified in the financial plan were available.
- A sufficient descriptive material (such as type of work, termini, length, and other similar factors) to identify the project or phase of the project.
- A description of the anticipated effect of the transportation improvement program toward achieving the performance targets established in the metropolitan transportation plan, linking investment priorities to those performance targets.



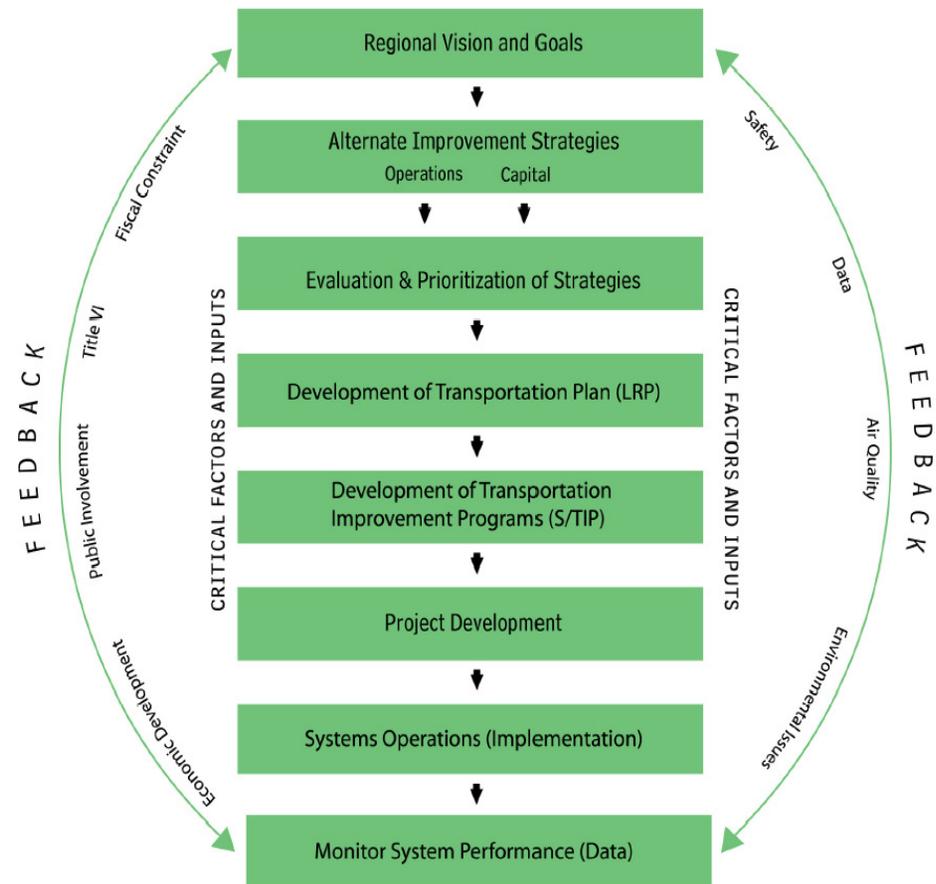
# Unified Planning Work Program

- The purpose is to promote a unified regional approach to transportation planning to achieve regional goals and objectives.
- It serves to document the proposed expenditures of the Federal Government, State and local transportation planning efforts and funds.
- It provides a management tool for the MPO to schedule major transportation planning activities and milestones.
- Finally, it details:
  - Who will perform the work.
  - Schedule for completing projects.
  - The result from the project activity.
  - The proposed budget for each activity.



# Transportation Planning Model

- Starts with a Regional Vision.
- Considers alternative improvement strategies.
- Evaluates and Prioritizes Strategies.
- Suggests to next develop your Long Range or Metropolitan Transportation Plan.
- Develop Your Transportation Improvement Program.
- Develop Projects
- Monitor Projects, notably in light of the regional transportation system.



***For more information on the TIP, LRTP, and STIP, see the other, relevant modules.***



## Suggested Next Steps...

- Review the other four modules:
  - II. “What Resources are Available for Ports For Better Planning?”
  - III. “How Can Ports Better Leverage Federal, State, Regional & Local Resources?”
  - IV. “How Can You Determine Your Port’s Economic Contribution to the Metropolitan Area?”
  - V. “How to Get Your Projects in the State & Local Long Range Transportation Plans and Transportation Improvement Programs?”



# Relevant Training

Provider	Course
National Highway Institute	<a href="#"><u>Metropolitan Transportation Planning</u></a>
National Highway Institute	<a href="#"><u>Integrating Freight into the Transportation Planning Process</u></a>
National Transit Institute	<a href="#"><u>Introduction to Metropolitan Transportation Planning</u></a>
National Transit Institute	<a href="#"><u>State and Metropolitan Transportation Programming</u></a>

- For additional courses, see the other modules for specific subject-areas.



# Related Background Resources

- [FHWA Regulations, Legislation and Guidance](#)
- [FHWA Transportation Alternatives Program](#)
- [Current Federal Transportation Legislation](#)
- [FHWA Transportation Planning Process Briefing Book](#)
- America's Marine Highway Program:
  - [Energy Independence and Security Act of 2007](#)
  - [U.S. Coast Guard and Marine Transportation Act of 2012](#)
- [Fixing America's Surface Transportation Act](#)