

FREIGHT PLANNING – MPO'S ROLE

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Memphis Urban Area

Metropolitan Planning Organization (MPO)

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Memphis MPO
METROPOLITAN PLANNING ORGANIZATION

Strengthening Regional Transportation

What is the Memphis MPO?

Shelby County, TN

- Entire county

DeSoto County, MS

- Entire county

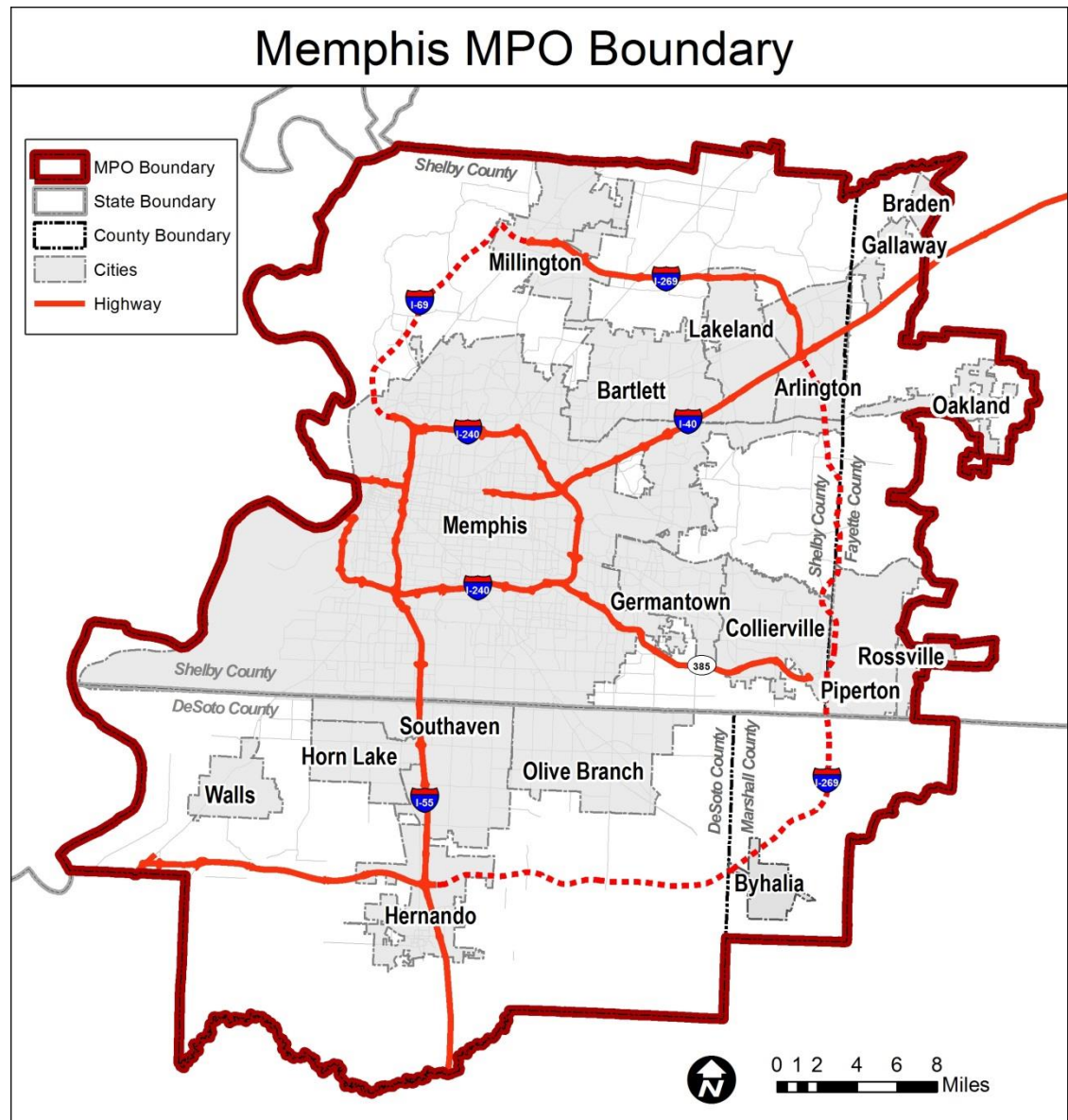
Fayette County, TN

- Western portion

Marshall County, MS

- Northwest portion

* Federal Law requires a regional outlook for transportation planning. As such, planning needs have to reflect the region's shared vision for its future.



The Role of the MPO

**Federal Funding for
Transportation: MAP-
21**



**Funding Allocated to
Each State
TN, MS**



**Memphis
Urban Area
MPO**

MPO Planning

Long Range Transportation Plan (LRTP)– 20 Years

Automobile, Transit, Bicycle, Pedestrian, Freight, Rail, Airport, Port



Project	Project	Project	Project	Project	Project	Project	Project
Project	Project	Project	Project	Project	Project	Project	Project
Project	Project	Project	Project	Project	Project	Project	Project

Transportation Improvement Program (TIP)
Every 4 Years

Regional Freight Profile and Investment

- **Road**

- Major East/West and North/South Corridors (plus future I-69)
- I-40 & I-240 Interchange Improvements
- Lamar Avenue / US-78

- **River**

- 4th Largest Inland Port
- Proposed Port Expansion
 - Add three miles of harbor frontage. Add 1,500 acres to industrial park.

- **Rail**

- Five Class One Railroads. 3rd largest US rail center. 45 states within 2 days.
- One new intermodal terminal.
- Two major intermodal yard expansions.

- **Runway**

- Busiest US cargo airport, second busiest in the world.

Freight by numbers

Mode	Inbound	Outbound	Total	Percent of Total
Truck	44,652,944	28,210,898	72,863,841	46%
Carload Rail	30,016,423	25,575,845	55,592,268	35%
Water	14,485,559	4,404,196	18,889,755	12%
IMX Rail	4,748,440	5,311,600	10,060,040	6%
Air	1,070,009	872,411	1,942,420	1%
Total	94,973,376	64,374,949	159,348,325	100%

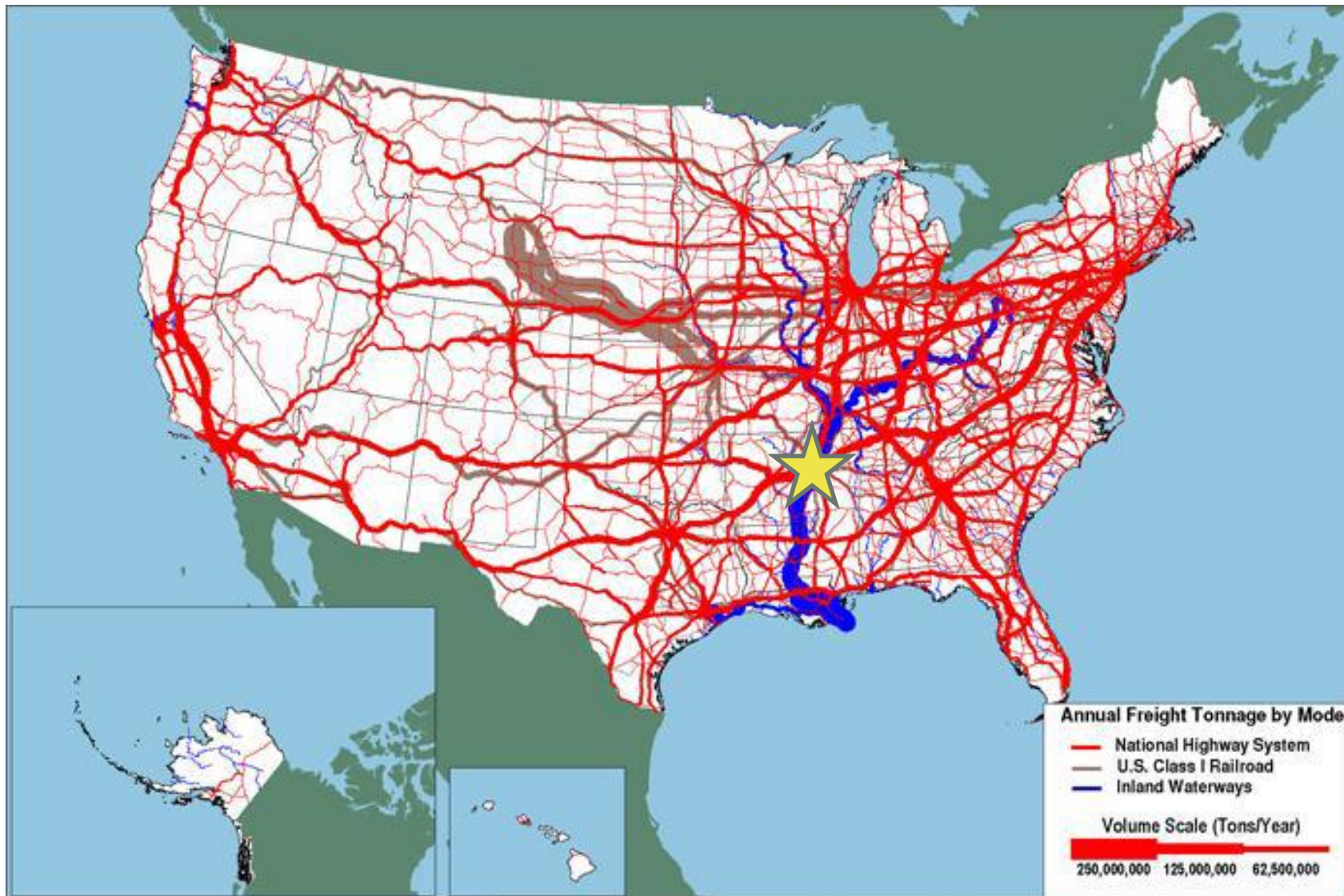
over 80 percent of the freight flows in the region are either by truck or carload rail.

*Inbound and Outbound Freight Tonnage by Mode (2007)
Transearch*

Over \$300 million in investment

Intermodal Railyard	Railroad	Design Lift Capacity (TEUs/Year)	Planned or Recently Completed Improvements
Forest Yard*	NS	123,000	
BNSF Memphis Intermodal Facility	BNSF	700,000	8,300 foot long track added, triple capacity, 8 wide span gantry cranes complete
Yale Yard	BNSF	Auto Facilities	
Harrison (Johnston) Yard	CN/CSX	70,000	\$100 million for yard expansion
Leewood Yard – CSX	CSX	20,000	
Intermodal Gateway Memphis – CN & CSX	CN/CSX	200,000	\$25 million investment by railroads
Marion Yard (Intermodal Railport)	UP (West Memphis)	375,000	Recent \$70 investment
Sargent Yard	UP	Unknown	
NS Intermodal Facility	NS	370,000*	New \$105 million dollar facility (completed 2012)

Road, Rail, and River Freight Tonnage



FHWA Peer Exchange

- Four peer MPO's with similar freight assets:
 - Cincinnati, OH, Chicago, IL, Washington DC, Atlanta, GA
- Discussed best practices for:
 - Multi-state planning
 - Incorporating freight planning into MPO planning
 - Public-Private partnership development
 - Freight performance measures
- Meeting summary
 - Return-on-investment
 - Build relationships with the private sector
 - Communication: Regional freight 'story'



How Does the MPO Address Freight Planning?

- Freight Advisory Committee (FAC)
 - Public Private Participation – **Chair** Mayor A C Wharton, Memphis and **Vice Chair** Mr. Don Colvin, FedEx
 - **Private Sector:** Rail, Truck, Logistics, Real Estate, Intermodal
 - **Public Sector:** Airport, Port Authority, Economic Development, University of Memphis, Federal/State/Local Government (Tri State Region)
- MPO Plans and Studies
 - Identifying Regional Needs through stakeholder input
 - Over \$900 million in planned transportation investment over the next four years (Fiscal Years 2014-2017) i.e. 60 out of 146 projects with improvements to goods movement
 - For Example – Third Bridge across Mississippi River, US-78 Lamar Ave connection to Birmingham, AL, I-269 loop in conjunction with I-69 NAFTA Corridor

Next Steps

- Preparing for final FHWA guidance on MAP-21
- MPO Coordination
 - ***MPO working with State Freight Advisory Committees***
 - ***Supplement the State Freight Plan with Local Needs***
 - Freight Stakeholder Survey – identify critical issues
 - Regional Freight Profile – inventory regional assets
 - Truck Route Master Plan – define current and future corridors
 - Regional Freight Plan – coordinate future investment with future needs.
Coordinate with State Freight Plan
 - Incorporate Freight Plan into MPO Long Range Transportation Plan

Recent Developments

- FHWA Primary Freight Network Comments
 - Coordinated with regional stakeholders
 - State DOT's
 - Intermodal Freight Technology Institute- University of Memphis
 - Memphis MPO Freight Advisory Committee
- Travel Demand Model Update
 - Includes Freight-specific data collection

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