About Memphis MPO

• Bi-State MPO – TN and MS
  ▫ Planning area: 2 full counties and 2 partial counties
• Coordination with West Memphis MPO, AR
• Transit – Covers 2 States – TN and AR
• Population approx. 1.1 million
• Employment – 1 in 4 in transportation and warehouse sector
About Memphis MPO – Freight Overview

**4 R’s**

**ROADS**

- Interstate 55
- Interstate 40
- Interstate 78

**RIVER**

5th Largest Inland Port

**RAIL**

- 5 class 1’s railroads
- with over $400 million invested in last few years

**RUNWAY**

- Busiest cargo airport in N. America
About Memphis MPO – Freight Advisory Comm.

• 2013 – Restructuring of the Committee
  ▫ Conducted a FHWA Peer Exchange
    • Washington DC
    • Chicago
    • Atlanta
    • Cincinnati
  ▫ Membership – Tri-State
    • Chair – Policy Board Member (elected official)
    • Vice-Chair – FAC Member (private sector)
Regional Freight Plan

- Lamar Ave (US-78) Corridor Study 2010-11
- Regional Travel Survey 2013-15
- Freight Stakeholder Survey 2015
- Freight Profile 2014-2015
- Livability 2040 Regional Transportation Plan 2016
- Memphis Freight Infrastructure Plan 2008

Regional Freight Plan - Jun 2016
Regional Freight Plan - Approach

- Leveraging Previous Studies/Plans
- Urban and Rural alignment
- Land Use
- Regional Connections across US
- Peer Cities: El Paso, Oklahoma City, Tulsa, Kansas City, St. Louis, Minneapolis, Louisville, Cincinnati and Nashville
- Management Strategies for through traffic
- Alignment with Arkansas
- Adoption - November 2017

General Tasks + Freight Planning Requirements → Project Tasks

General Tasks:
- Truck Routing Constraints
- Incident Response
- Freight Route Geometrics
- Land Development
- Truck Parking
- Industrial Land Supply/Demand
- Funding Sources
- Freight Competitiveness

Freight Planning Requirements:
- Freight System Overview
- Goods Movement Overview
- Regional Freight Issues & Challenges
- Strengths & Needs Assessment
- Performance Measures
- Short & Long Term Priorities
- Implementation & Next Steps

Project Tasks:
- Freight Movement & Infrastructure
- Land Use & Transportation
- Strategic Freight Corridors & Locations
- Stakeholder Engagement
- Goals, Objectives, & Performance Metrics
- Economic Impacts & Program Funding
- Modal Alignment
- Investment & Development Program

Freight Disciplines:
- Policy
- Travel Demand
- Land Use
- Design
- Market
- Finance
- Solutions
- Environmental
Regional Freight Plan – National Level

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Regional Freight Plan - Regional Level

Total Truck trips Normalized per square mile

Freight Train Traffic

Inland waterways Commodity flow
Regional Freight Plan- Sub-Regional Level
Regional Freight Plan - Outreach

• 11 Question - Public Online Survey – **400 responses**

- **What type of delivery option do you select?**
- **How often you shop online?**
- **In future, do you foresee continuing to do:**

91.5% responded that freight is important for the local/regional economy.
Regional Freight Plan - Outreach

- 8 Question - Truckers survey - “Man on the Street” - 294 responses

Challenges

- Truck parking
- First mile/last mile
- Turning radius
- Road congestion
- Safety accidents
- Incident clearance li...
- Information (related to...)
- Regulations - work hours...
- Delay at delivery (in...)
- Transportation costs
- Driver shortage
- Others

Extreme weather impact

- Flooding
- Winter weather (Ice, snow)
- Tornadoes
- No or not applicable

Potential solutions

- Reducing incident...
- Recruiting options
- Getting information...
- Automated systems at...
- Better quality pavement
- More truck rest areas
- Others
Regional Freight Plan – Issues

• **Freight Movement**
  - Address needs of critical freight corridors
  - Capacity
  - Non-recurring Congestion and Safety Incidents
  - Bridges
  - Rail Investment
  - Truck parking
  - Truck Routing
    - Through the Region
    - Between Local/Delivery Sites and Interstate/Freeway
  - Operational and Geometric Deficiencies

• **Workforce Issues**
  - Disconnect between employment needs and skills
  - Jobs access/mobility issues

• **Economic Development**
  - Attracting manufacturing is a challenge
  - Cooperation with Arkansas and Mississippi

• **Port/Airport**
Regional Freight Plan - Recommendations

• Potential Program(s) of Work
  • Coordination of freight movement on various network
  • Use of ITS solutions for traffic management and wayfinding system

• Potential Policies
  • Companies could make efforts to research and invest in travel demand management (TDM) strategies that provide mobility options both to and from the worksite
  • Leverage TDOT’s and MDOT’s efforts and initiatives for transportation demand management (TDM) to the freight sector, with continued participation by private sector
  • Develop Strategy for Addressing Funding of Big Ticket Road Infrastructure Projects
  • Address Provision of Additional Truck Parking
Questions and Answers