Megaregions: Memphis MPO At-A-Glance

AMPO Annual Conference
October 26, 2016
Overview

✓ About Memphis MPO

✓ About Midsouth Megaregion

✓ Freight Overview
  ✓ Freight Stakeholder Engagement
  ✓ Freight Plans

✓ Other Projects: TDM Update, Greenprint & Aerotropolis

✓ Mega Regions Summit – December 2016
About Memphis Urban Area MPO

**Bi-State MPO** - TN & MS

**Tri-State MPO** - Coordination with West Memphis MPO

**West Memphis MPO, AR**

**Non-Attainment**
Tri-State Area

**Population**
1.1 million

1 in 4 employed in transportation and related sector

**Transit covers two States (TN and AR)**
West Memphis is one of the highest ridership routes for MATA. System wide 10 million trips
About Midsouth Megaregion

Major Cities
1. Memphis, TN
2. Little Rock, AR
3. New Orleans, LA
4. Jackson, MS
5. Baton Rouge, LA
6. Mobile, AL

Portions of AL, AR, TN, AR and entire MS

Lake Pontchartrain
Freight Overview - Memphis: America’s Aerotropolis

4 R’s
Rail, Road, River, Runway

Over $600 million invested by 5 class 1’s

Busiest US cargo airport in North America, 2nd busiest in the world (was busiest airport in the world for 16 years in a row).

4th Largest Inland Port
Freight Overview - Memphis: America’s Aerotropolis

<table>
<thead>
<tr>
<th>Mode</th>
<th>Inbound (tons)</th>
<th>Outbound (tons)</th>
<th>Total (tons) Including local</th>
<th>Value ($ in million)</th>
<th>%age of value per ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>Runway</td>
<td>16,360</td>
<td>42,869</td>
<td>59,229</td>
<td>$12,509.52</td>
<td>$211,206.00</td>
</tr>
<tr>
<td>River</td>
<td>1,041,200</td>
<td>5,909,937</td>
<td>7,191,583</td>
<td>$909.47</td>
<td>$126.46</td>
</tr>
<tr>
<td>Rail</td>
<td>1,973,780</td>
<td>2,813,773</td>
<td>4,816,421</td>
<td>$2,993.68</td>
<td>$621.56</td>
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<tr>
<td>Road</td>
<td>51,659,190</td>
<td>38,513,478</td>
<td>113,896,465</td>
<td>$349,820.00</td>
<td>$3,071.39</td>
</tr>
</tbody>
</table>

Source: FAF Data 2012

Percent of Tons by Mode

149,772,054 Tons

- Truck: 76%
- Multi-Modal: 8%
- Pipeline: 6%
- Water: 5%
- Rail: 3%
- Unpublished: 2%
- Air: 0%
Freight Stakeholder Engagement

Freight Advisory Committee

- **2013 - Major Change**
  - Conducted a FHWA peer exchange
    - Washington DC
    - Chicago
    - Atlanta
    - Cincinnati
  - Restructured Freight Advisory Committee
- **Membership includes Tri-State Area**
  - Chair- Policy Board Member
  - Vice Chair- FAC Member
Freight Committee Membership - A Few
MPO partnered with the Greater Memphis Chamber of Commerce
- How we fit in the global supply chain? Panama Canal
- Infrastructure inventory and evaluation
- Recommendations of improvements
Regional Connections across North America

Peer Regions:
- Regional economic features
- Transportation network connections
- Potential for regional connections
- Areas of concentrated growth

Freight Plans – 2016 Regional Freight Plan - Underway

General Tasks + Freight Planning Requirements → Project Tasks ← Freight Disciplines

- Truck Routing Constraints
- Incident Response
- Freight Route Geometrics
- Land Development
- Truck Parking
- Industrial Land Supply/Demand
- Funding Sources
- Freight Competitiveness
- Freight System Overview
- Goods Movement Overview
- Regional Freight Issues & Challenges
- Strengths & Needs Assessment
- Performance Measures
- Short & Long Term Priorities
- Implementation & Next Steps
- Freight Movement & Infrastructure Kenneth Monroe
- Land Use & Transportation Alex Shoemaker
- Strategic Freight Corridors & Locations Max Baker
- Stakeholder Engagement Deidre Malone
- Goals, Objectives, & Performance Metrics Libby Ogard
- Economic Impacts & Program Funding Toni Horst
- Modal Alignment Craig Philip
- Investment & Development Program Chris Brewer

Policy
Travel Demand
Land Use
Design
Market
Finance
Solutions
Environmental
Other Projects – Model Expansion – 2013-15

TDOT, MDOT, AHTD, Memphis MPO and West Memphis MPO
Other Projects – Greenprint & Aerotropolis

**Greenprint Plan**
- 2011 -HUD Regional Planning Grant $2.6 million
- 25 year plan- identifying region wide network of green space areas

**Aerotropolis Master Plan**
- 2010 -HUD Community Challenge Grant to Memphis $1.2 million
- Comprehensive Master Plan for area around the Airport
Focus: Freight

- Partners:
  - FHWA-MS & FHWA-TN
  - Memphis MPO
  - University of Memphis-Intermodal Freight Institute

- Mid South Covering:
  - Tennessee
  - Mississippi
  - Arkansas
  - Louisiana

- Guest Speakers:
  - St Louis Region
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