



Memphis MPO
METROPOLITAN PLANNING ORGANIZATION

Memphis Urban Area Metropolitan Planning Organization (MPO)

Regional Freight Plan

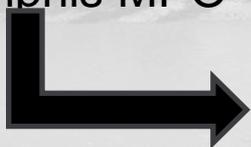
2017 Tennessee MPO Planning Conference
Memphis, TN

June 2017

About Memphis MPO

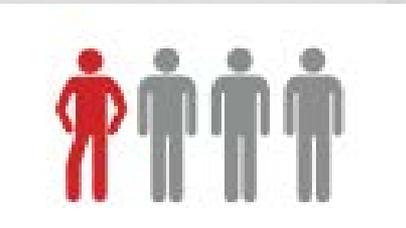
Bi-State MPO- Tennessee & Mississippi

Tri-State MPO-
Coordination
with West
Memphis MPO



West
Memphis
MPO, AR

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



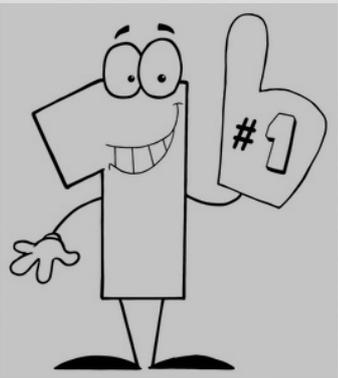
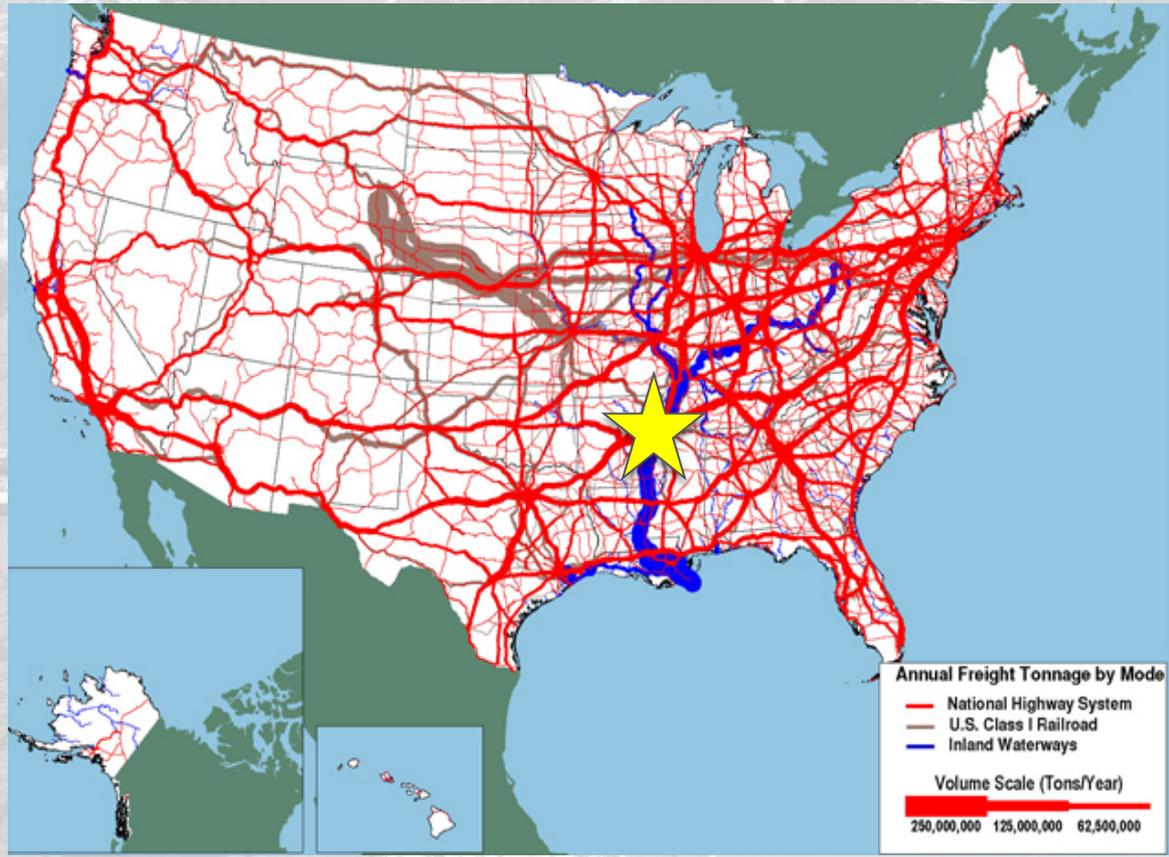
Freight Overview

4 R's

Rail, Road, River, Runway



5 class 1's railroads with over \$400 million invested in last few years



Busiest US cargo airport in North America, 2nd busiest in the world

(was busiest airport in the world for 16 years in a row).



Maybe

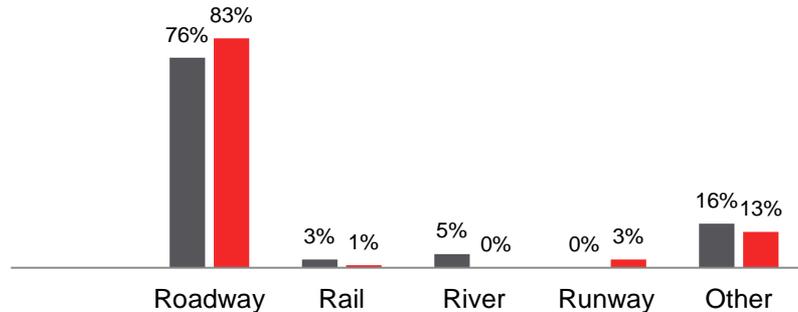
5th Largest Inland Port

Freight Overview

Freight Movement in the Greater Memphis Area

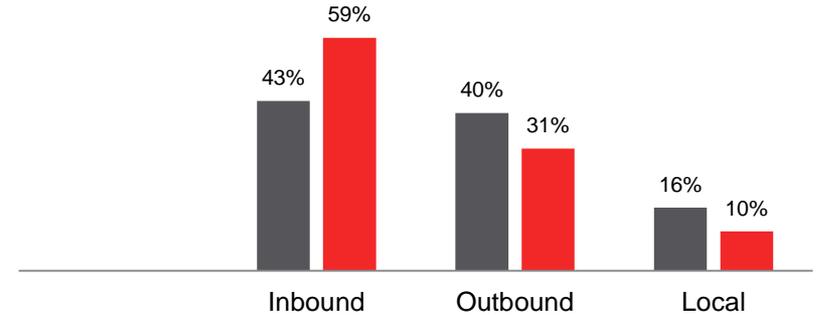
Modal Freight Summary by Tonnage & Value

■ Ton ■ Value



Total Freight Summary by Tonnage & Value

■ Tons ■ Value



Top Commodities for All Modes (Inbound-Outbound)

Commodity	Tons	Percent of Total	Commodity	Value	Percent of Total
Coal	29,849,289	34.10%	Electronics	\$44,075,068,300	18.20%
Other foodstuffs	7,064,627	8.10%	Pharmaceuticals	\$37,544,630,100	15.50%
Gasoline	4,748,710	5.40%	Precision instruments	\$21,870,198,700	9.00%
Cereal grains	4,629,293	5.30%	Machinery	\$16,317,364,800	6.70%
Nonmetal min. prods.	4,401,679	5.00%	Motorized vehicles	\$14,409,903,000	6.00%
Gravel	4,399,506	5.00%	Transport equip.	\$11,699,049,500	4.80%
Basic chemicals	3,640,552	4.20%	Mixed freight	\$10,279,547,200	4.20%
Other ag prods.	2,579,590	2.90%	Plastics/rubber	\$10,195,714,100	4.20%
Base metals	2,407,117	2.70%	Misc. mfg. prods.	\$7,898,673,000	3.30%
Fuel oils	2,191,818	2.50%	Textiles/leather	\$7,882,355,500	3.30%
Total Top 10	65,912,182	75.20%	Total Top 10	\$182,172,504,200	75.30%
Total All Other Goods	21,710,196	24.80%	Total All Other Goods	\$59,862,518,600	24.70%

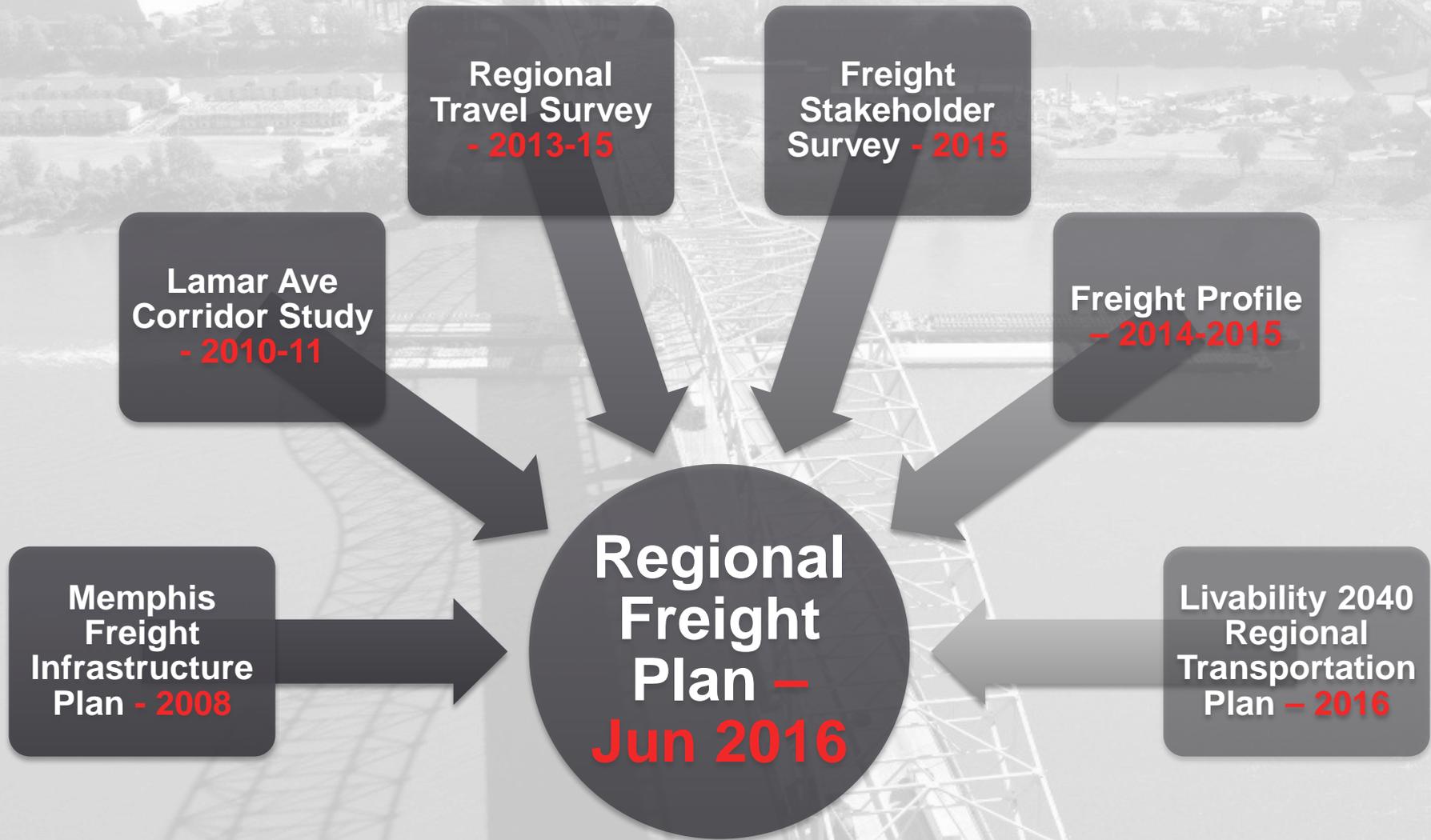
Freight Advisory Com.

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 (elected official)
 - Vice Chair- FAC Member (private sector)



Regional Freight Plan



Regional Travel Survey
- 2013-15

Freight Stakeholder Survey
- 2015

Freight Profile
- 2014-2015

Livability 2040 Regional Transportation Plan
- 2016

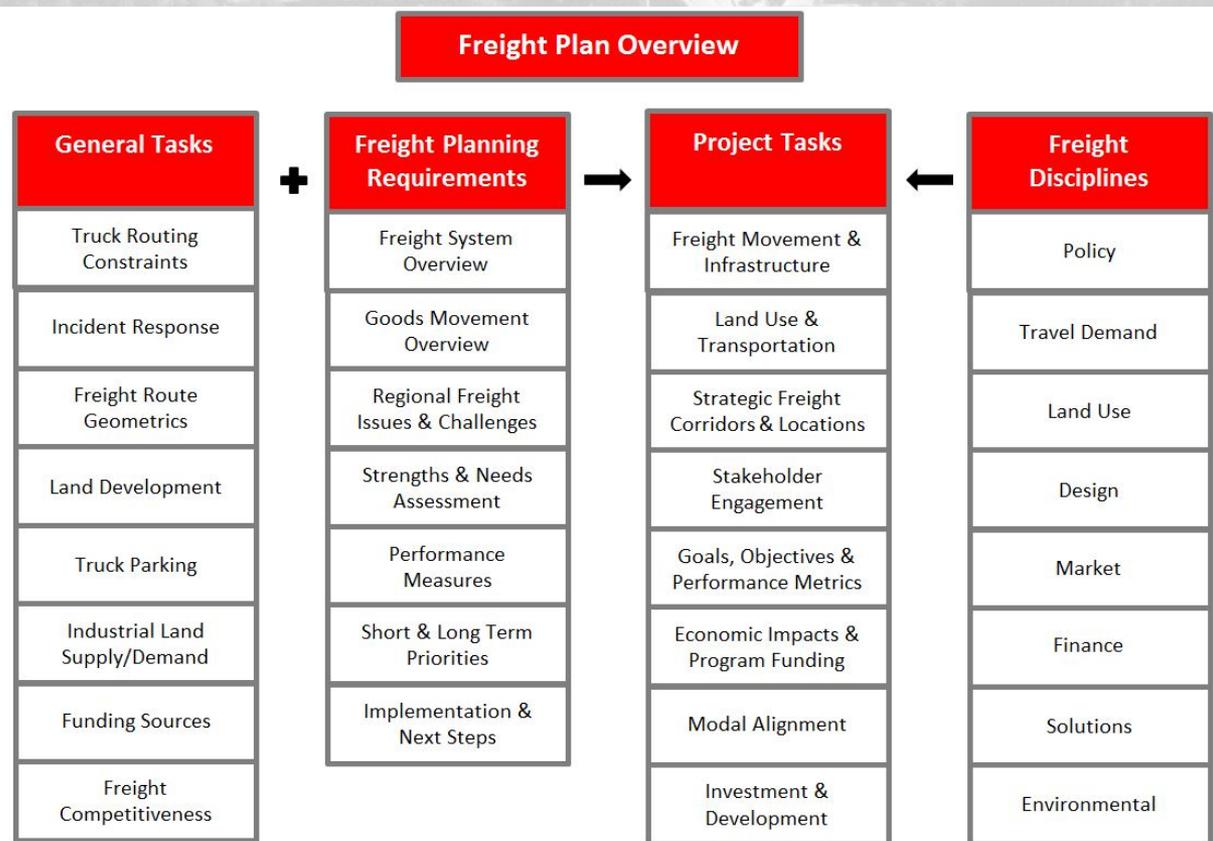
Memphis Freight Infrastructure Plan
- 2008

Lamar Ave Corridor Study
- 2010-11

Regional Freight Plan
- Jun 2016

Regional Freight Plan cont.

Work Plan



- Started June 2016
- Leveraging Previous Studies/ Plans
- Urban and Rural alignment
- Land Use
- Management Strategies for through traffic
- Alignment with Arkansas
- Performance Metrics & Tracking

- Timeline- Completion estimated Fall 2017

Stakeholder Outreach Meetings

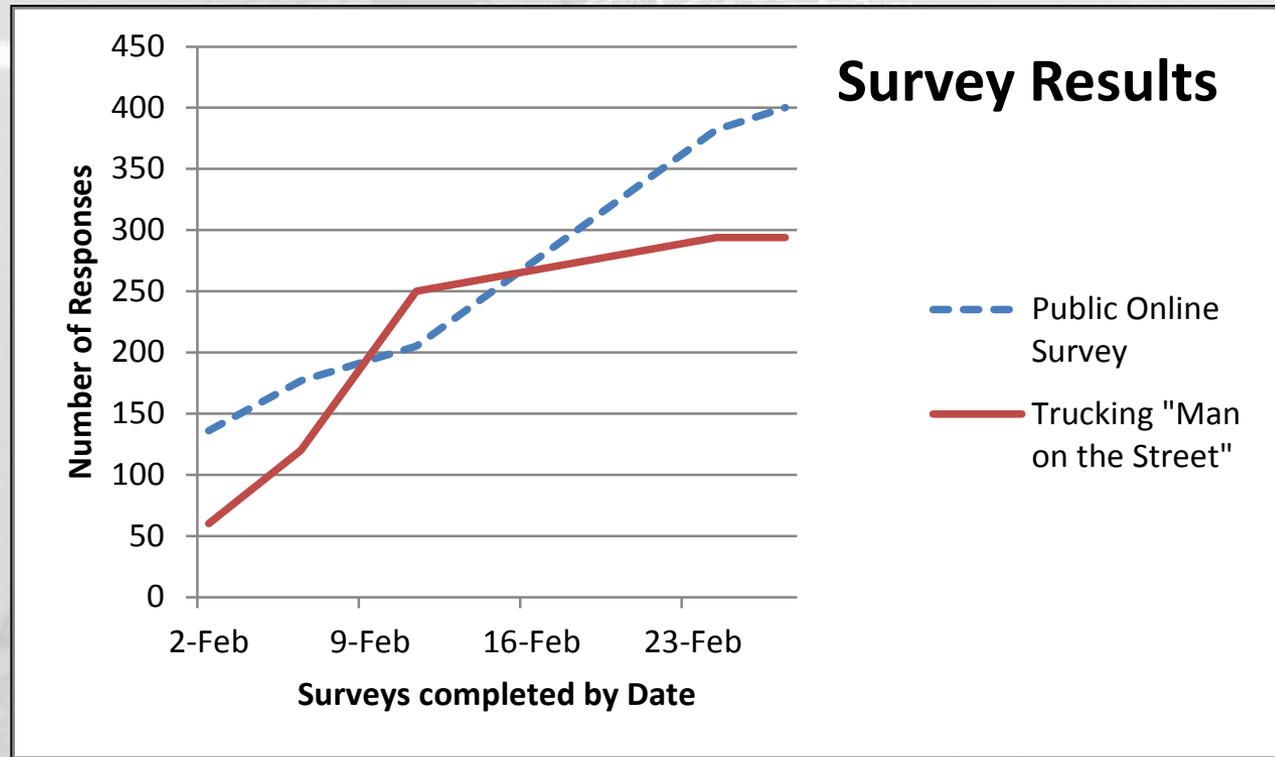
- MPO Committee Meetings – Freight Advisory, Planning & Land Use Advisory, Engineering & Technical Committee and Transportation Policy Board – **11 meetings**
- Public & Private Sector Meetings – Greater Memphis Chamber of Commerce, Desoto County Chamber of Commerce, Economic Development Growth Engine (EDGE), Memphis Port Authority, Airport Authority, BNSF, NS, Trucking Industry, FedEx, West Memphis MPO, TDOT, MDOT, Developer/Real Estate – **12 meetings**
- MPO Jurisdiction Meetings – City of Memphis & Shelby County, Tennessee Suburban Municipalities, Fayette County (TN), Desoto & Marshall Counties in Mississippi – **5 meetings**

Key Questions

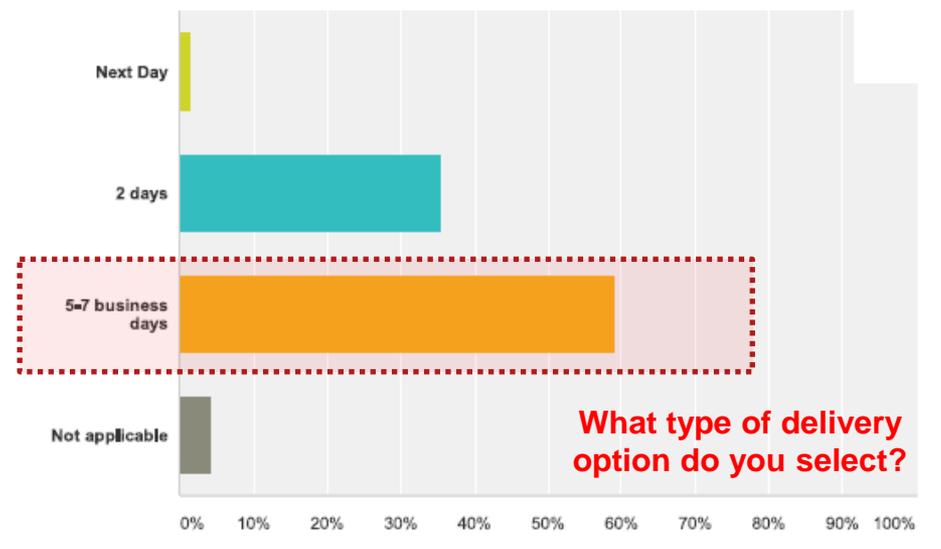
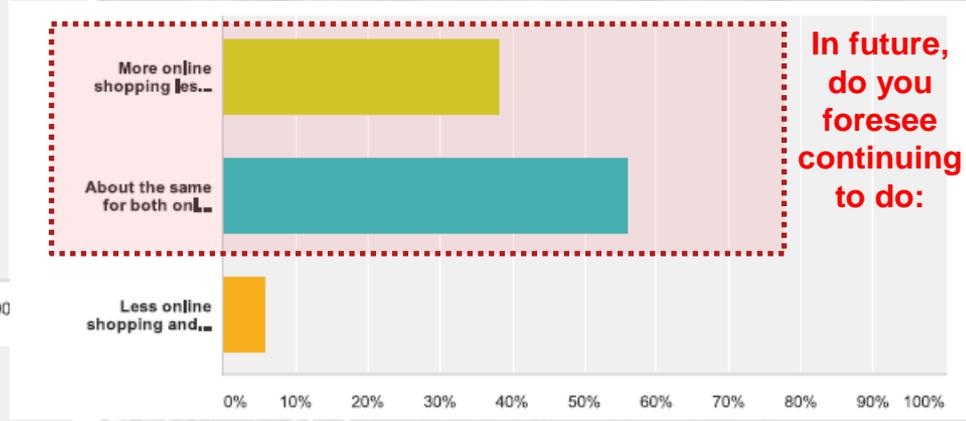
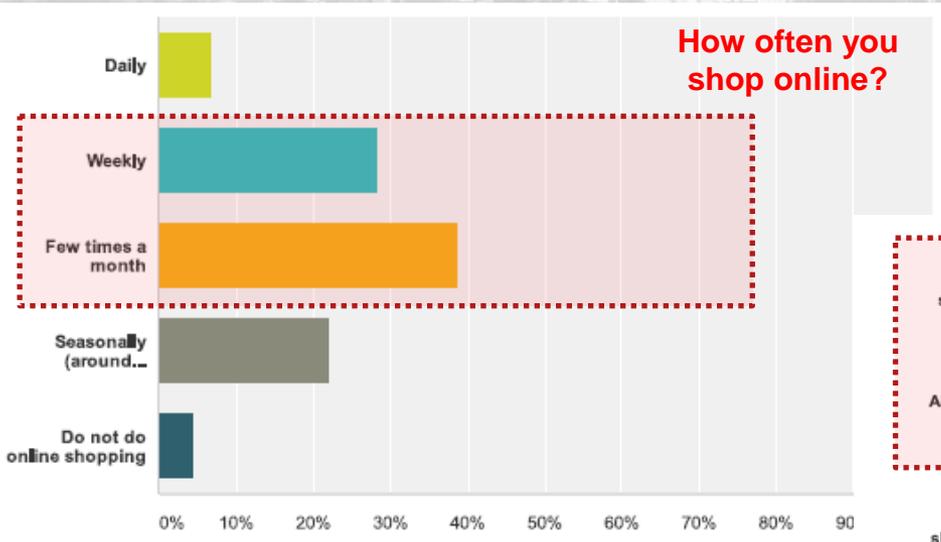
- ❑ Transportation and infrastructure projects with a freight component
- ❑ Land use and development projects and plans that have a significant freight component
- ❑ Issues and challenges related to freight

Freight Survey

- Released End of January 2017
- Truckers survey - “Man on the Street” - **294 responses**
- Public Online Survey – **400 responses**

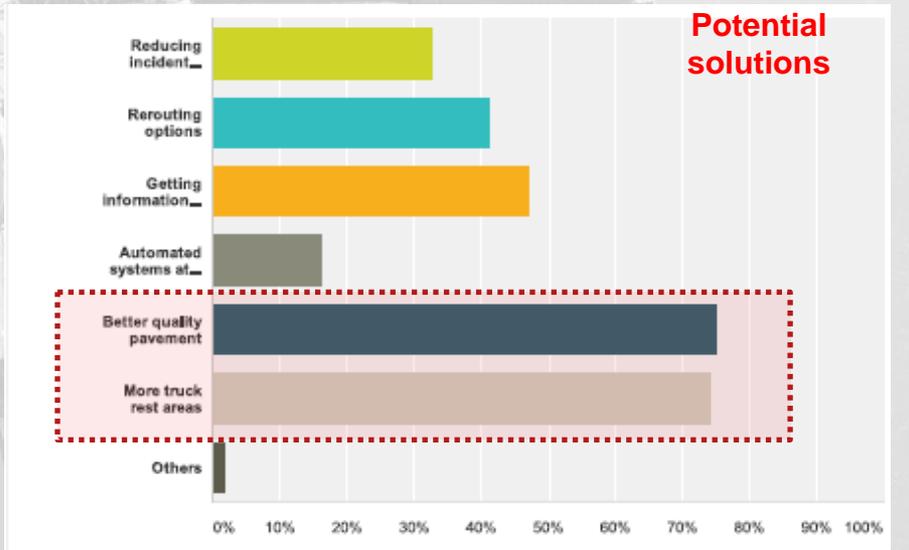
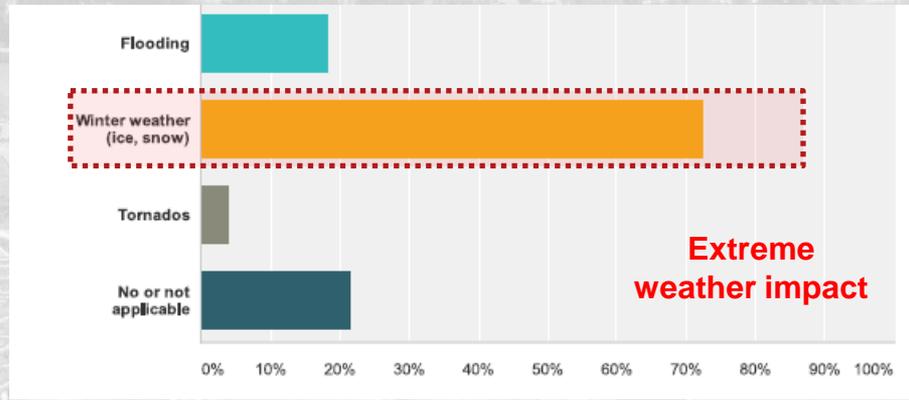
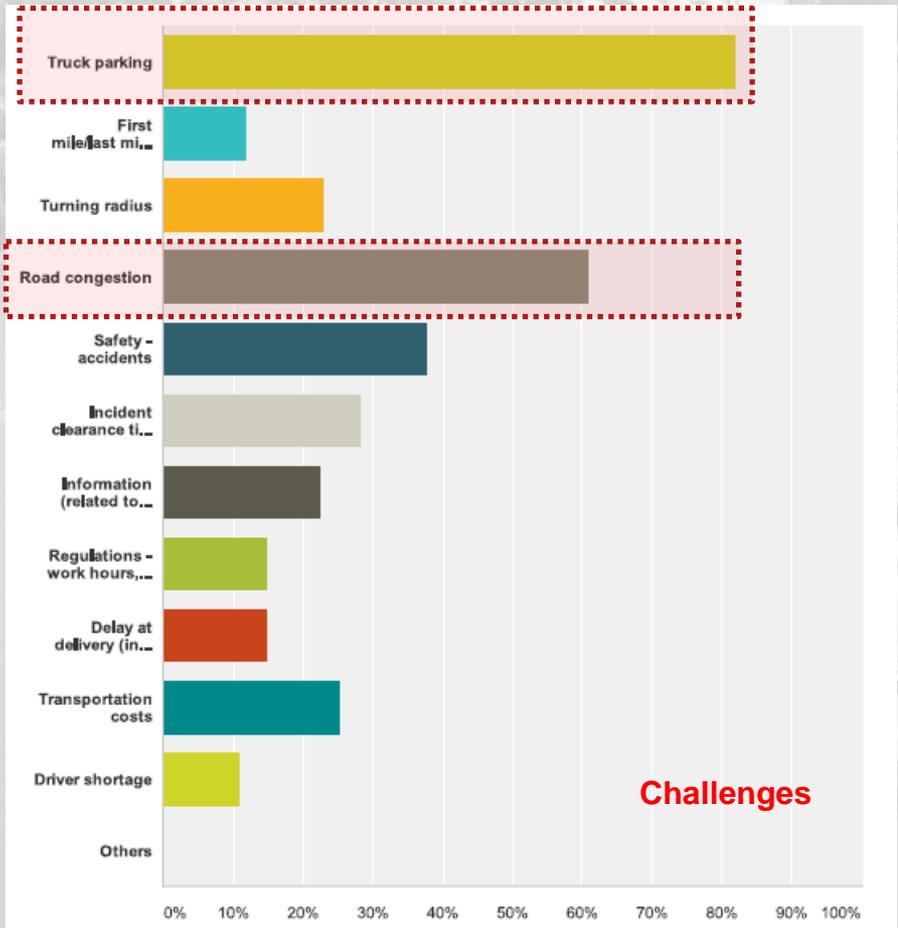


Public Survey Questions and Responses



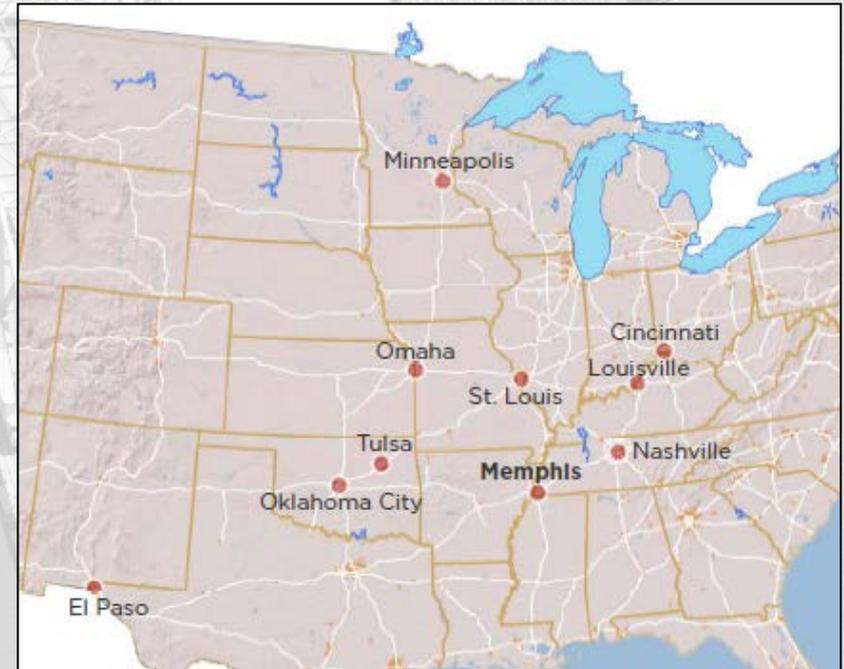
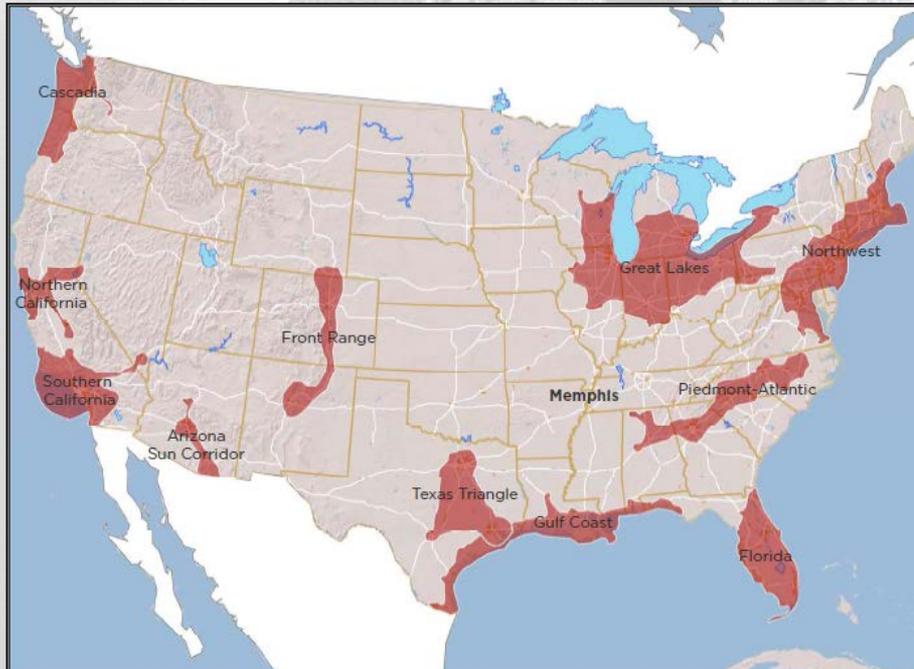
91.5 % responded that freight is important for the local/ regional economy

Truckers Survey Questions and Responses



Regional Freight Plan cont.

- Regional Connections across North America
- Peer Regions and Cities:
 - Regional economic features
 - Transportation network connections
 - Potential for regional connections
- **Gateway Cities:** El Paso, Oklahoma City, Tulsa, Kansas City, St. Louis, Minneapolis, Louisville, Cincinnati and Nashville



Regional Freight Plan cont.

2015 Total Freight Flow, All Modes

In Tons



In Dollars

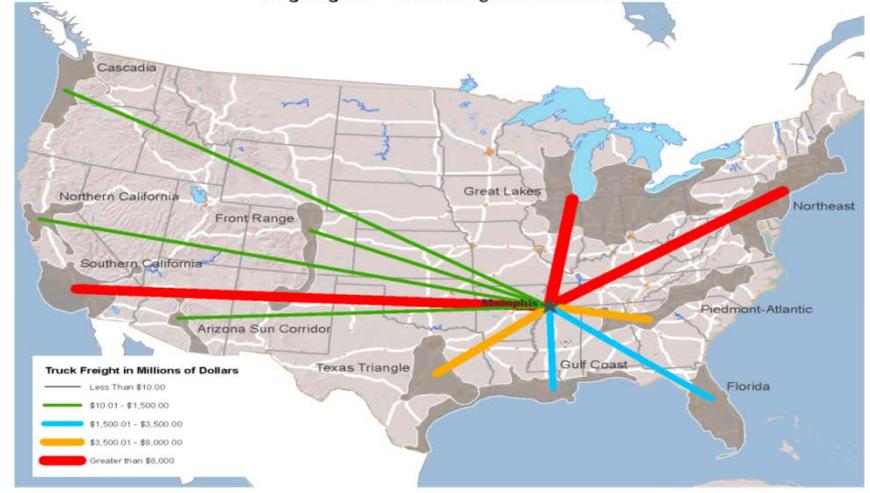
Source: FAF Data

Regional Freight Plan cont.

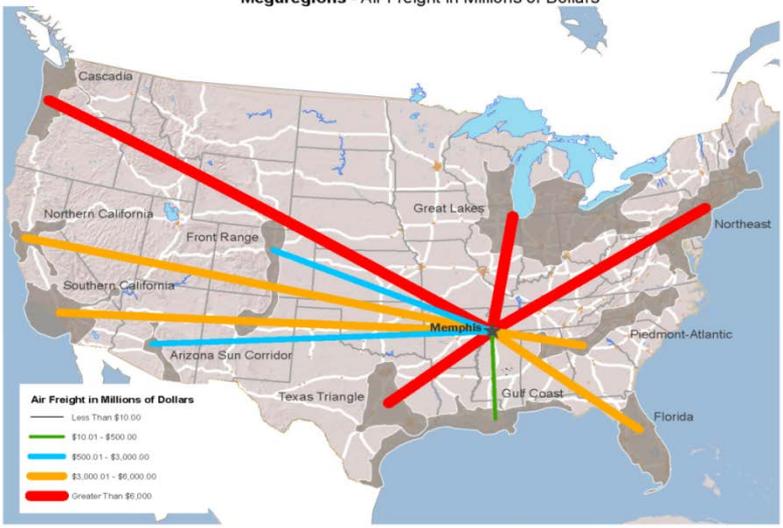
Megaregions - Water Freight in Millions of Dollars



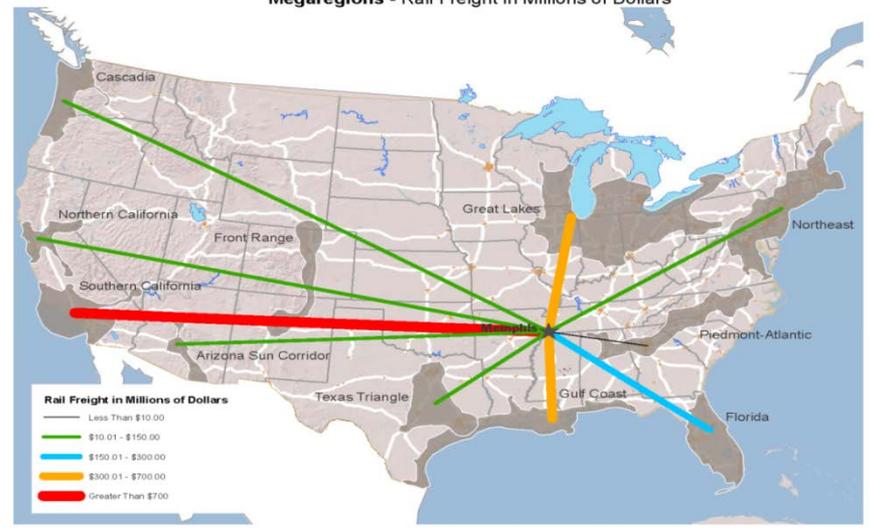
Megaregions - Truck Freight in Millions of Dollars



Megaregions - Air Freight in Millions of Dollars



Megaregions - Rail Freight in Millions of Dollars



Next Steps

- Collaborate on the Area, Zone and Region wide evaluations
- Public sector strategies
- Formulate Programs and Projects



Questions?