Megaregions: Memphis MPO At-A-Glance

AMPO Annual Conference
October 26, 2016

Memphis MPO
METROPOLITAN PLANNING ORGANIZATION

Strengthening Regional Transportation

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

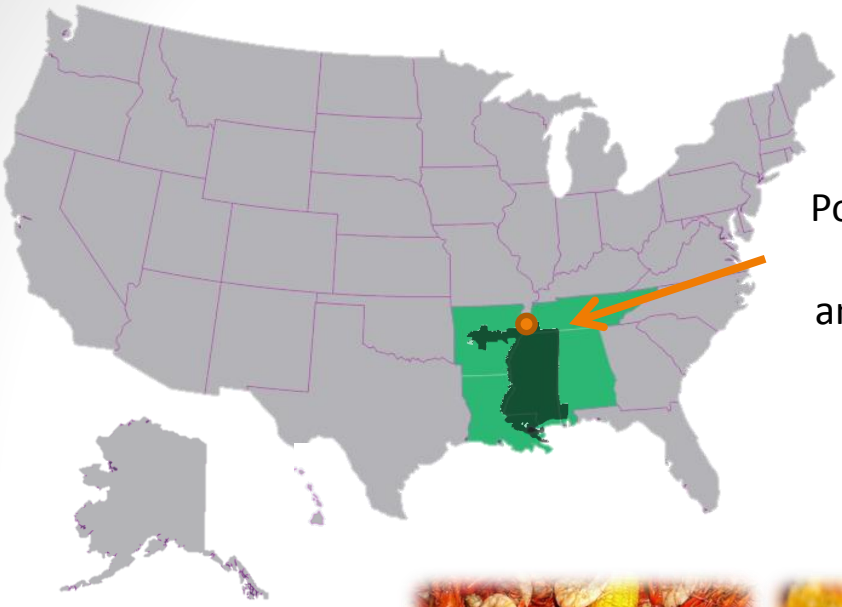
1 in 4
employed in **transportation and related sector**

Non-Attainment
Tri-State Area

Population
1.1 million

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



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

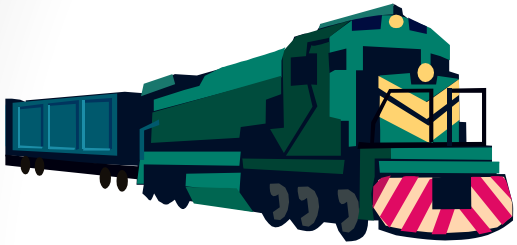
Major Cities

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

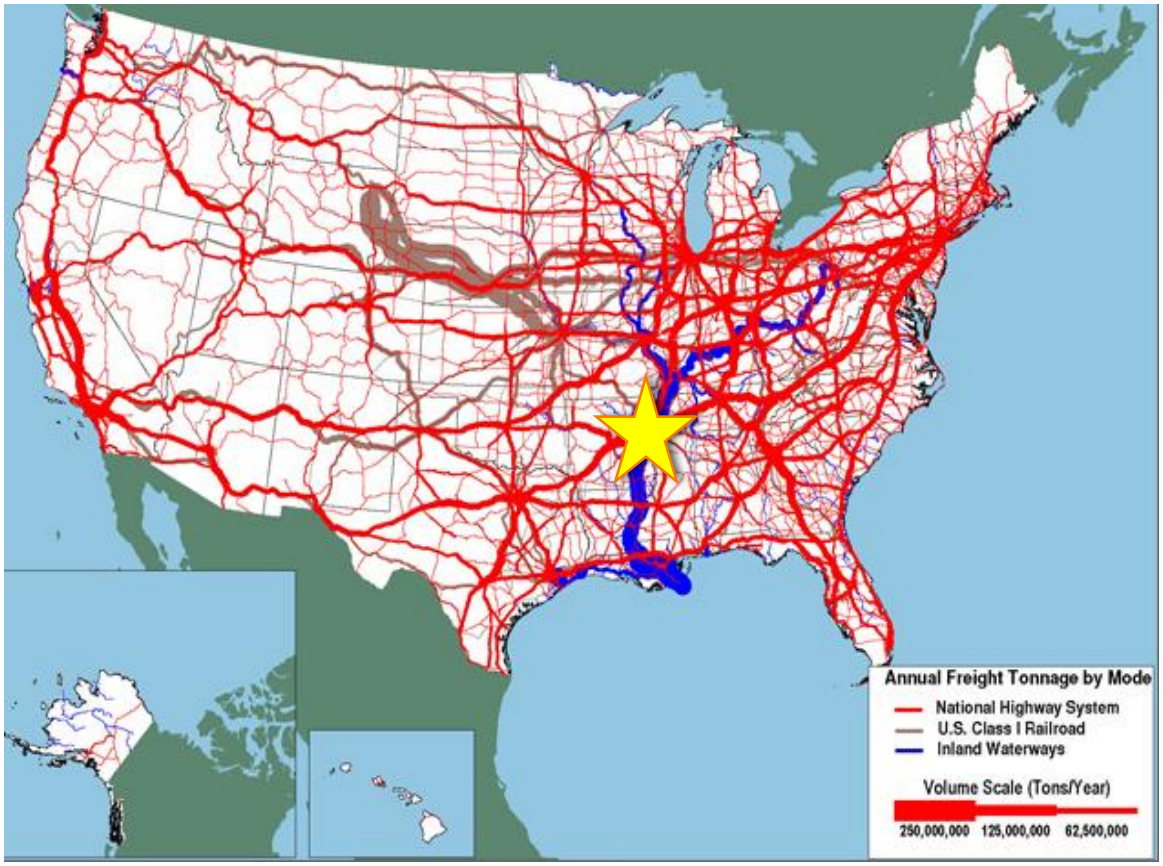
Freight Overview-*Memphis: America's Aerotropolis*

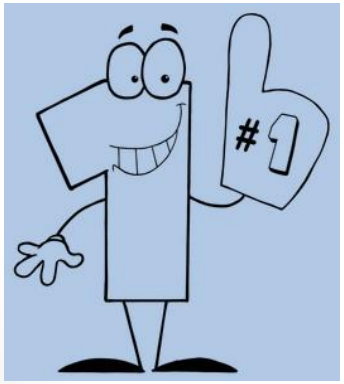
4 R's

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).

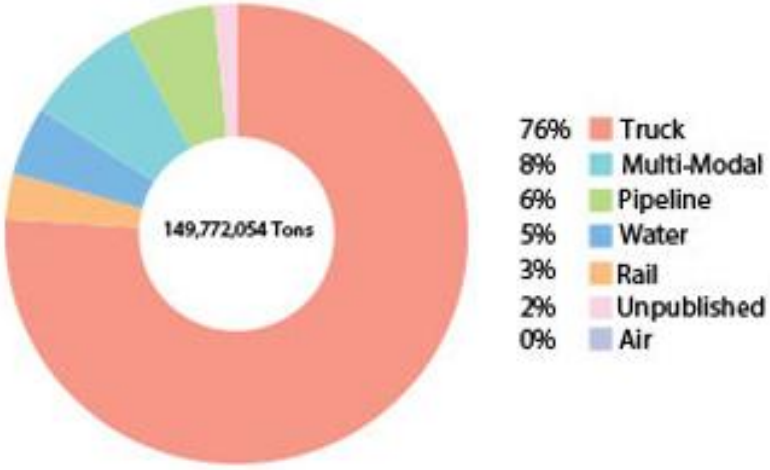
May be

4th Largest Inland Port

Freight Overview-*Memphis: America's Aerotropolis*

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

Source: FAF Data 2012



Percent of Tons by Mode

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**

National Freight Advisory Committee Site Visit – Memphis- 2014

Freight Committee Membership - *A Few*

Just a f

Memphis International Airport

International Port of Memphis

West Memphis MPO
Crittenden County, Arkansas

DeSoto County Economic Development Council

Greater Memphis Chamber

U.S. Department of Transportation
Federal Highway Administration

MATA
Memphis Area Transit Authority

FedEx

BNSF Railway

CN

EDGE
Economic Development Growth Engine for Memphis & Shelby County

The University of Memphis
Intermodal Freight Transportation Institute

Tennessee Trucking Association

Memphis Shelby County Tennessee

TN TDOT Department of Transportation

MDOT
Mississippi Department of Transportation

Arkansas State Highway and Transportation Department
AHTD

MLGW

Freight Plans – 2008 Freight Plan

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

16 **County Study Area – TN, MS and AR**

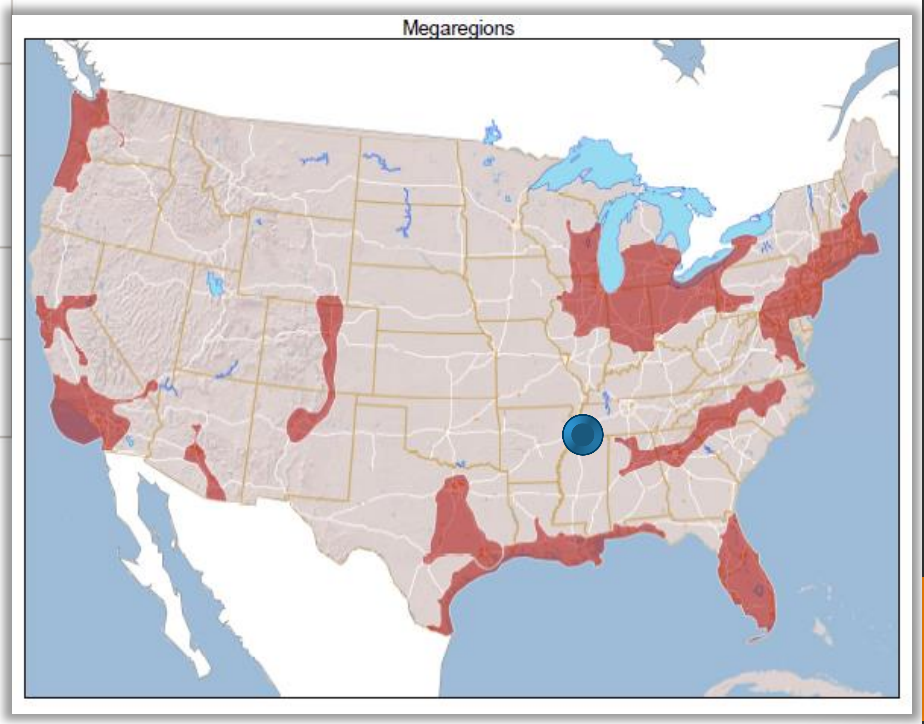
Freight Plans – 2016 Regional Freight Plan - *Underway*

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

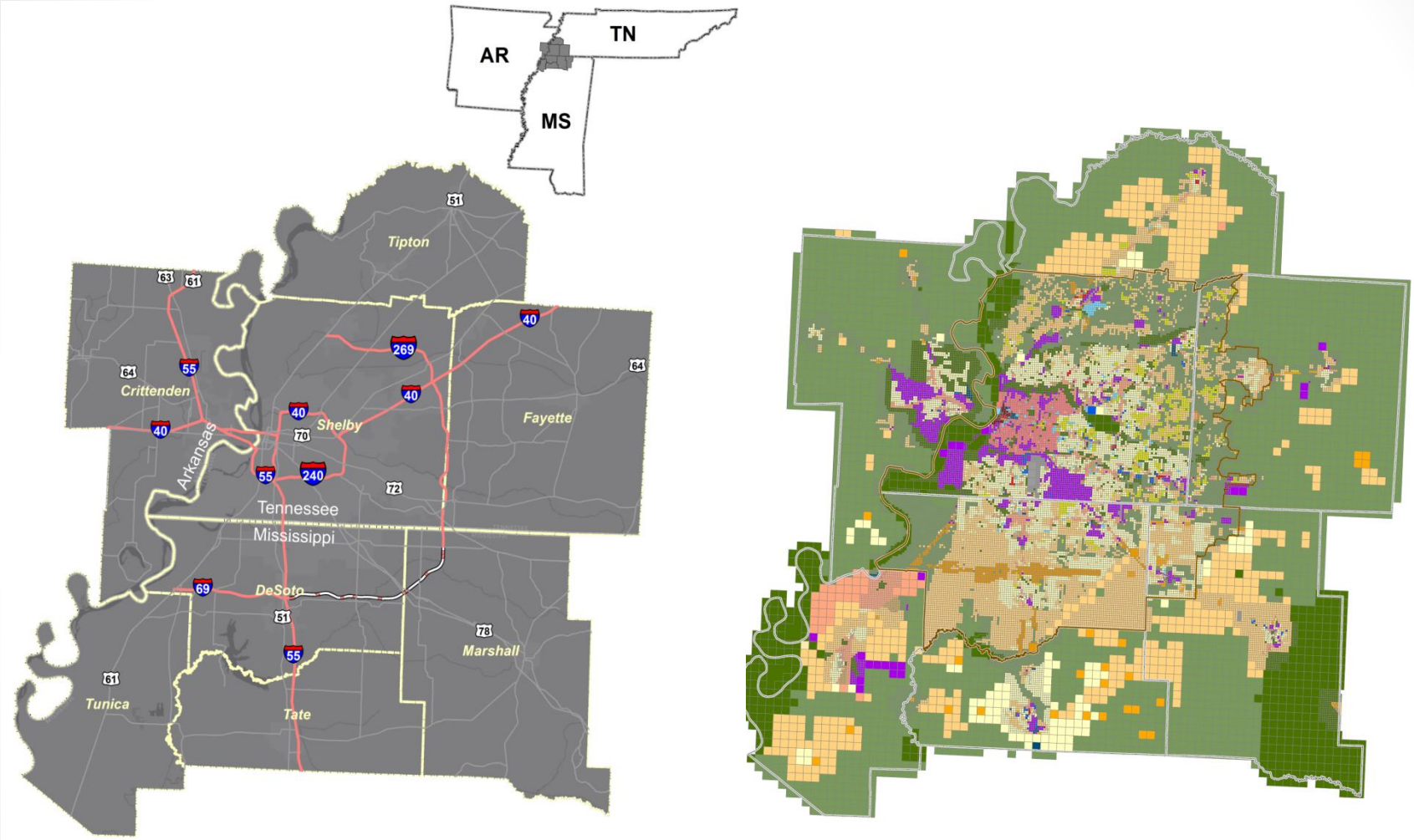
Regional Connections across North America

Peer Regions:

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

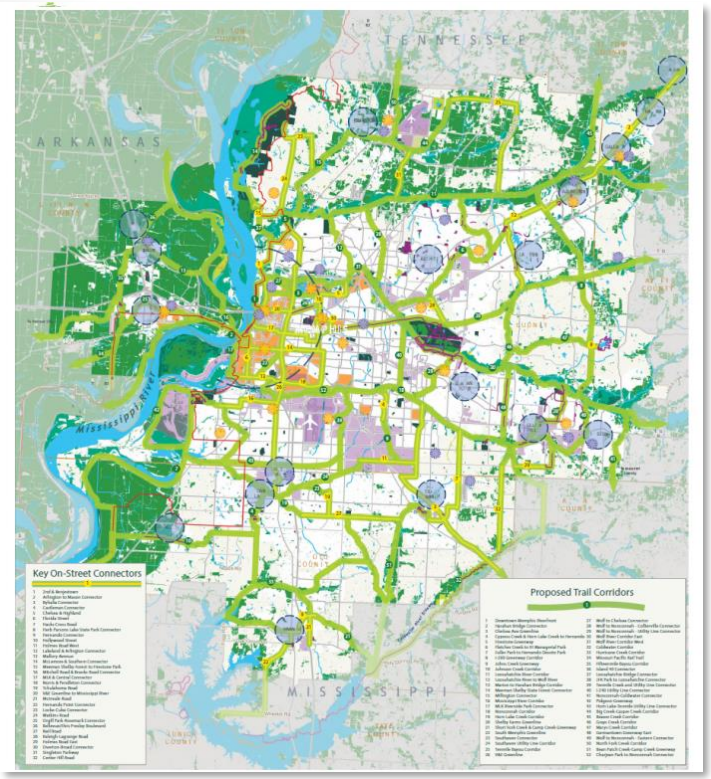


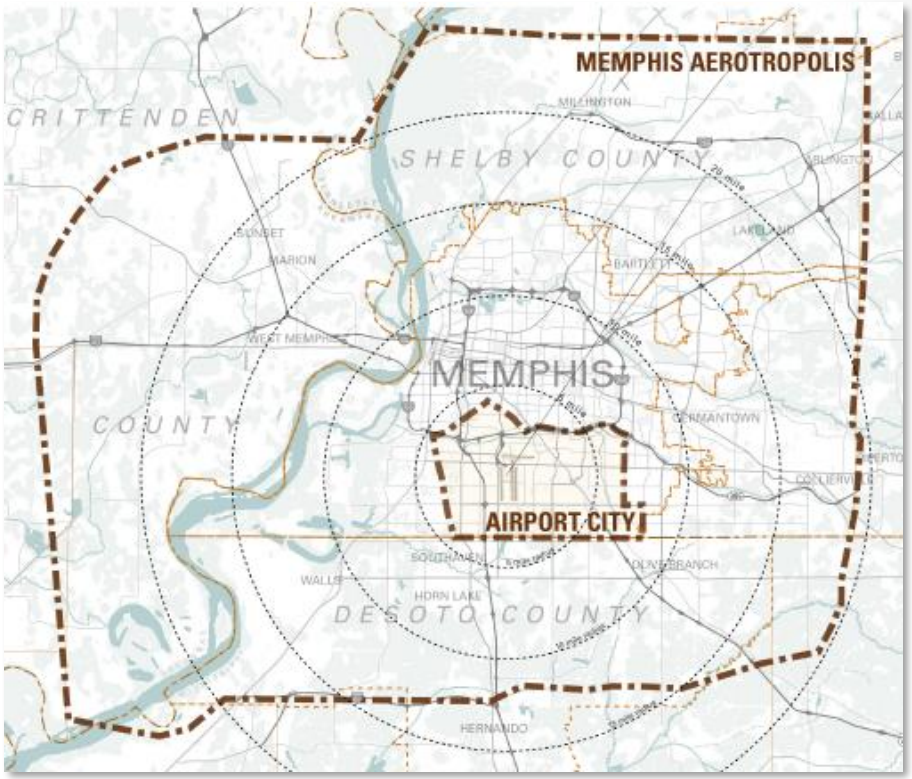
Other Projects – Model Expansion – 2013-15



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

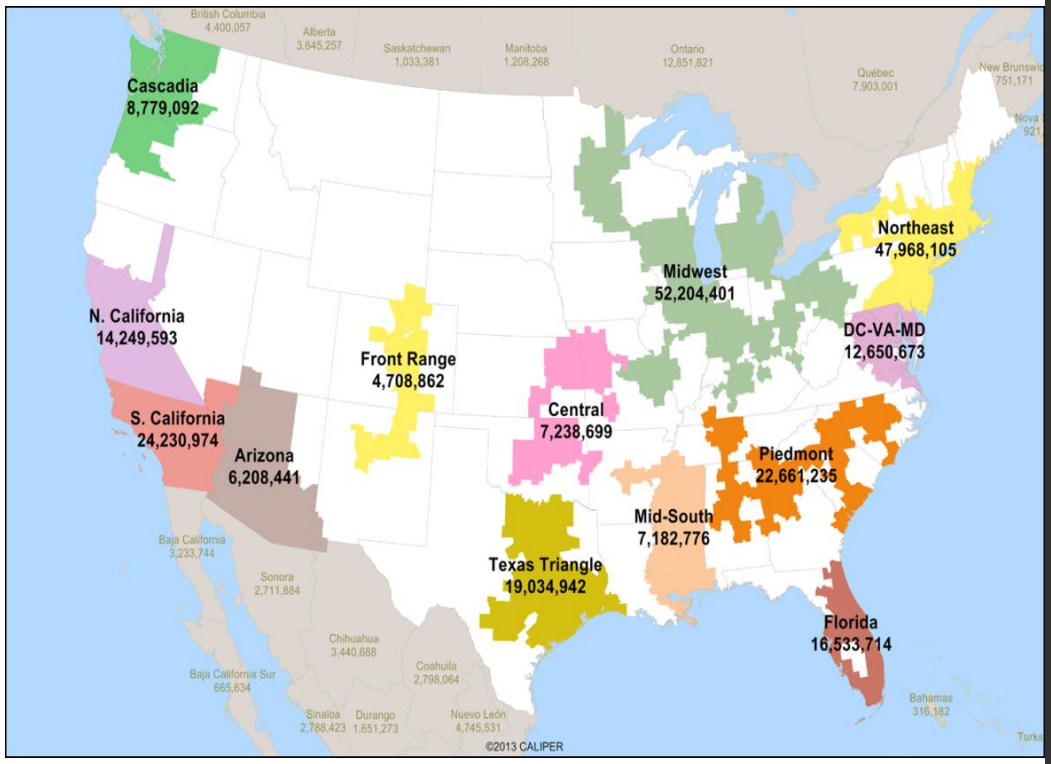
Aerotropolis Master Plan

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

Megaregions Conference December 2016

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



Contact

Ms. Pragati Srivastava, AICP

Pragati.Srivastava@memphistn.gov

www.memphismpo.org