Memphis MPO
METROPOLITAN PLANNING ORGANIZATION

Memphis Urban Area Metropolitan Planning Organization (MPO)

Regional Freight Plan

Alabama Transportation Planners Conference
Florence, AL

March 2017

About Memphis MPO

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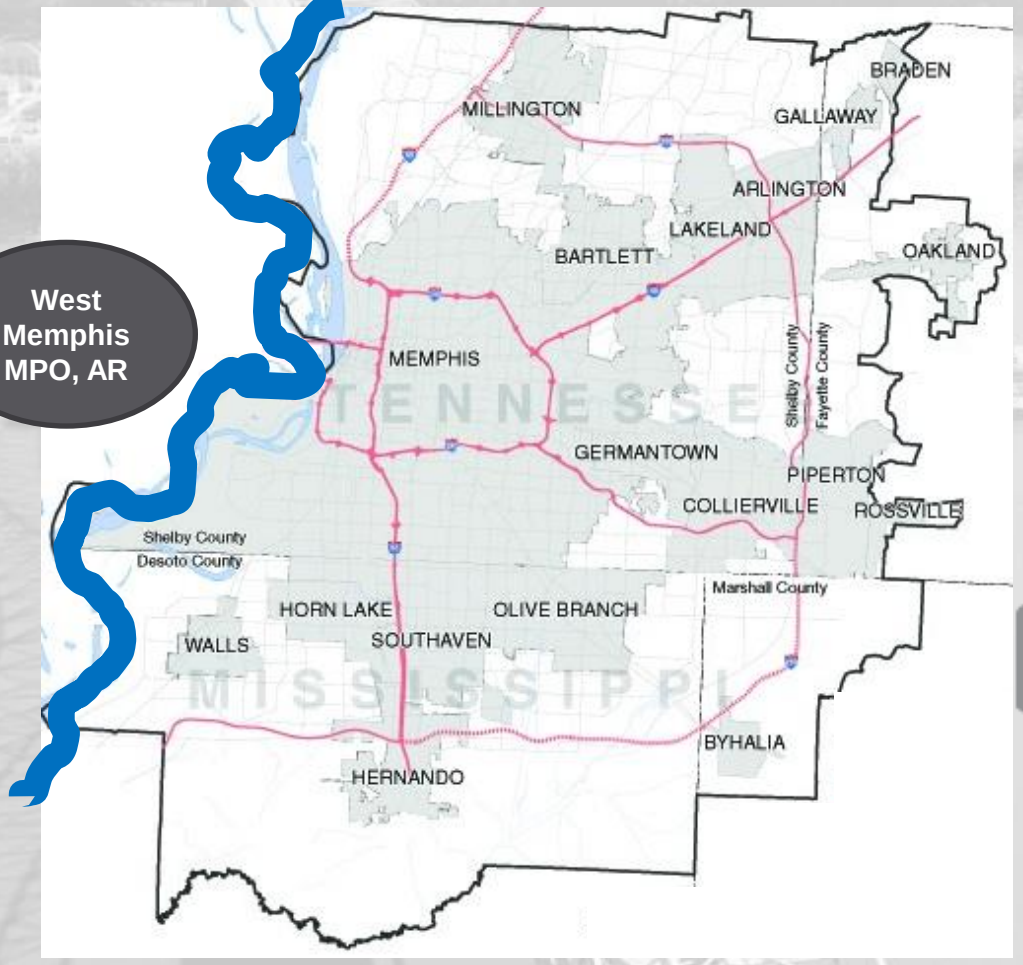
Bi-State MPO- *Tennessee & Mississippi*

Tri-State MPO-
Coordination with West Memphis MPO

West Memphis MPO, AR

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



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

Freight Overview

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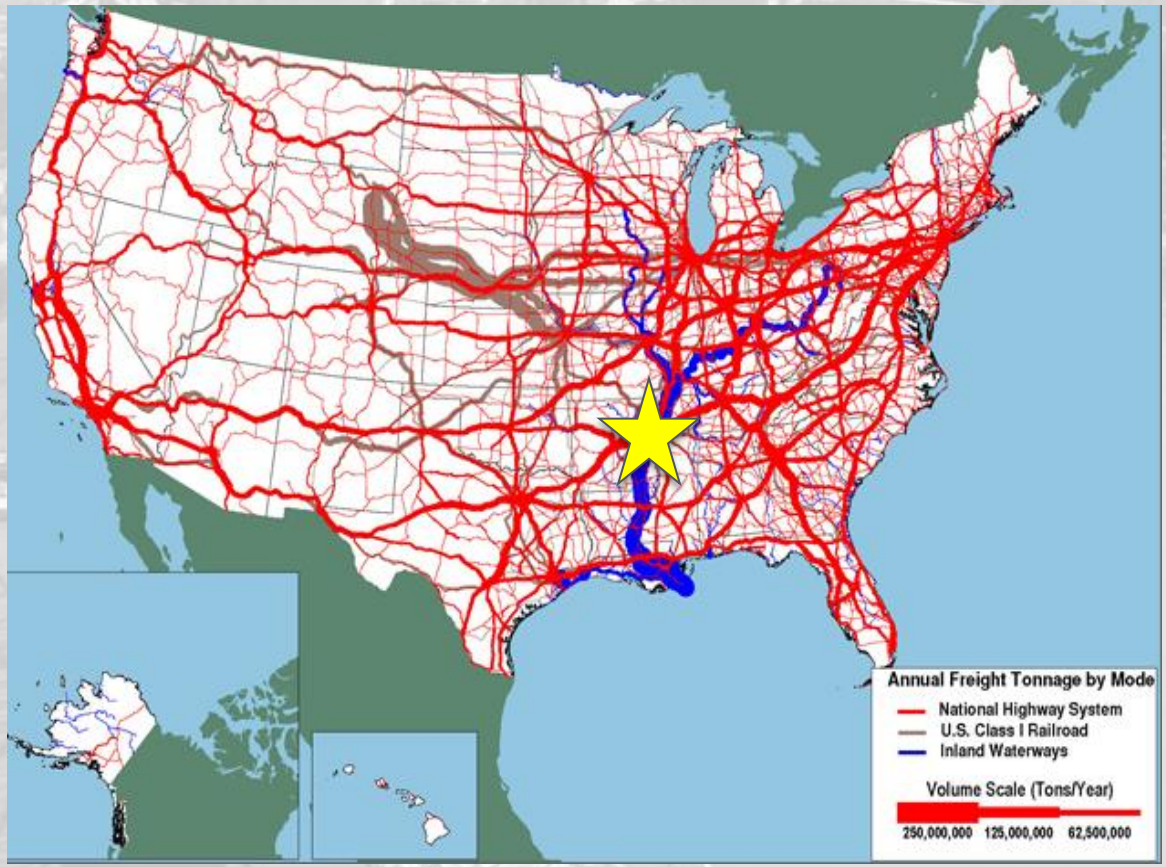
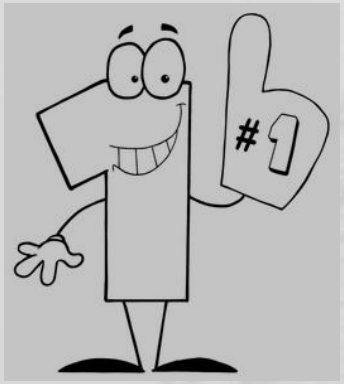
4 R's

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).

INTERSTATE 55 INTERSTATE TENNESSEE 40

69 ***May be***

5th Largest Inland Port

Freight Advisory Com.

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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

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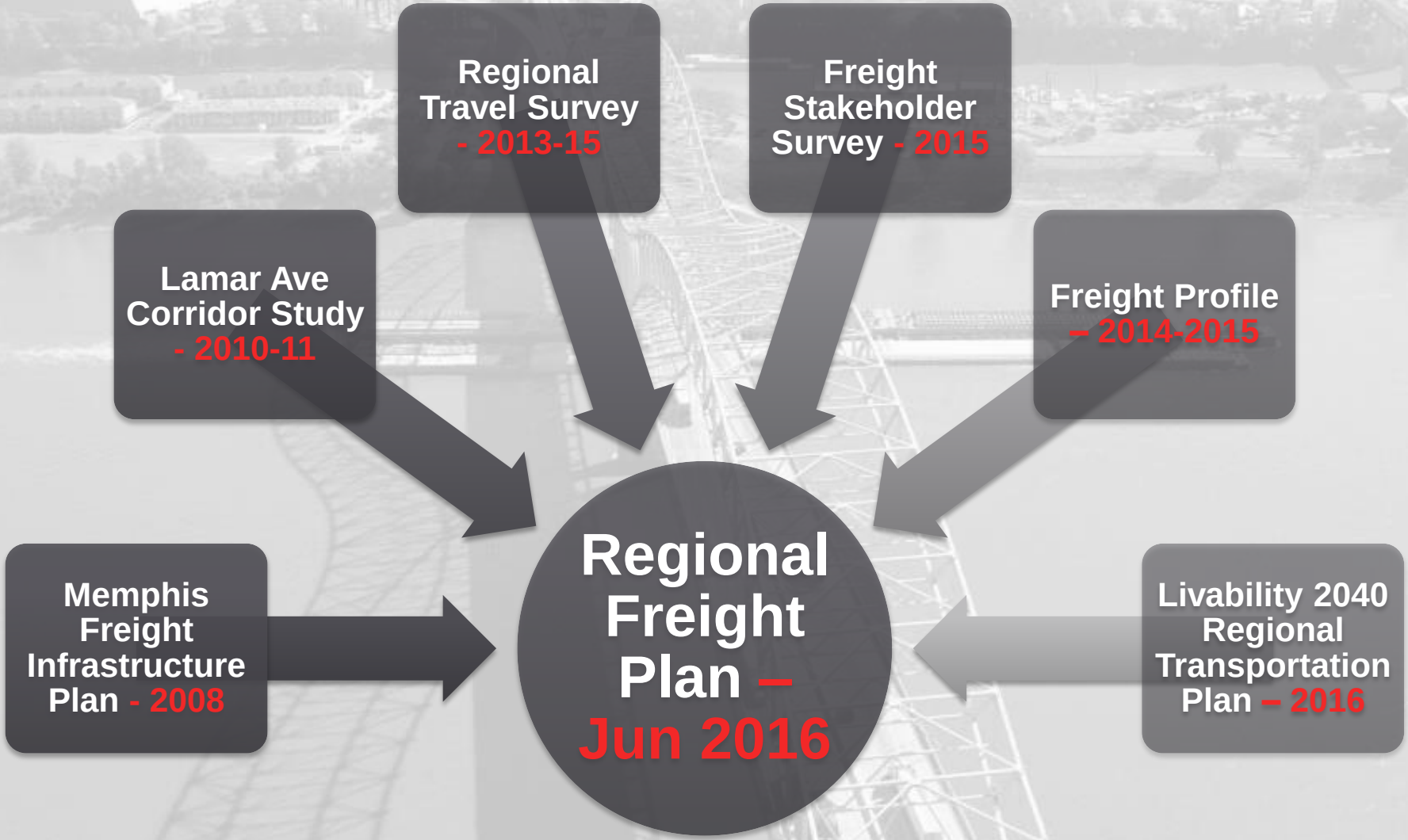

Regional Freight Plan cont.

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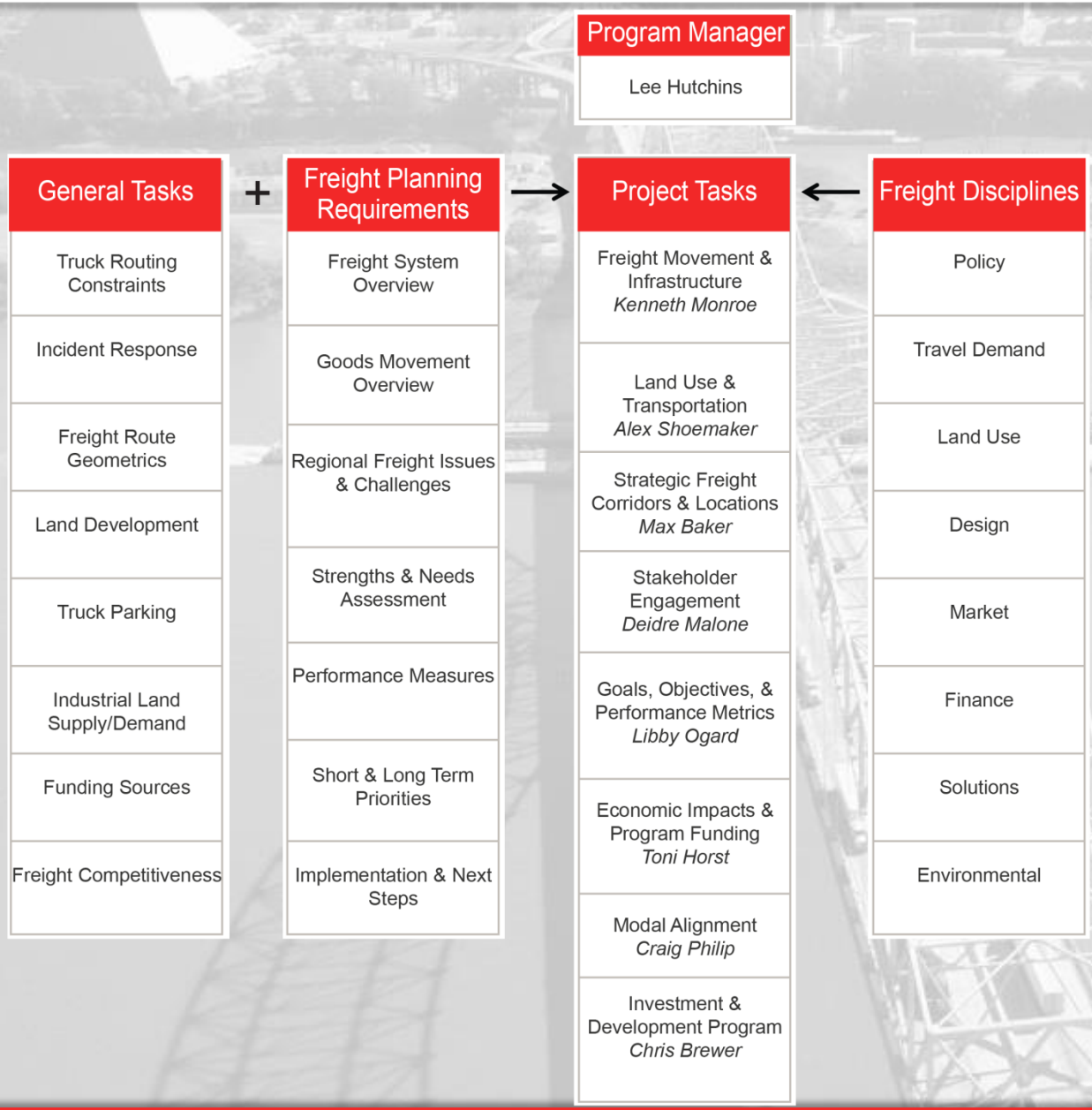

Work Plan

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

- Timeline- Completion estimated August 2017

Regional Freight Plan cont.

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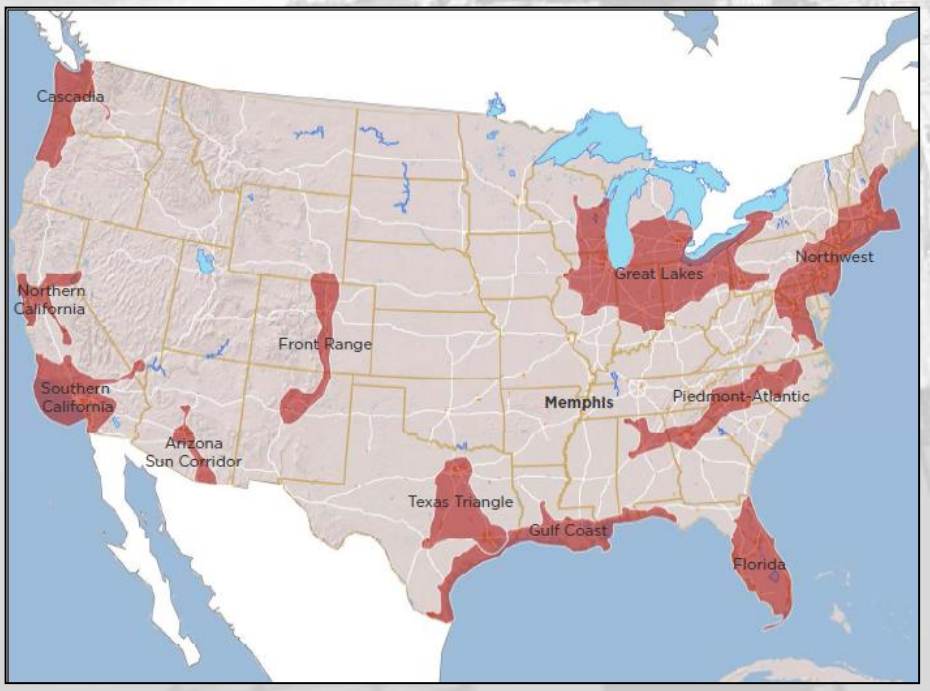
- Regional Connections across North America
- Peer Regions and Cities:
  - Regional economic features
  - Transportation network connections
  - Potential for regional connections
- **Peer Cities:** El Paso, Oklahoma City, Tulsa, Kansas City, St. Louis, Minneapolis, Louisville, Cincinnati and Nashville



Regional Freight Plan cont.

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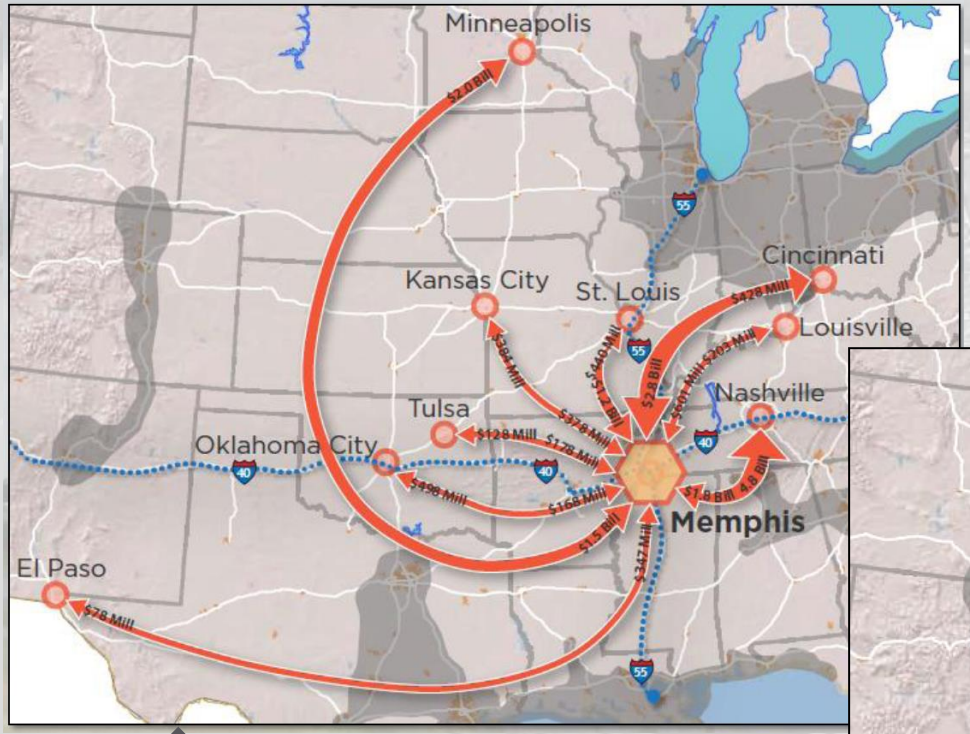
2015 Total Freight Flow, All Modes



In Dollars

In Tons

Source: FAF Data

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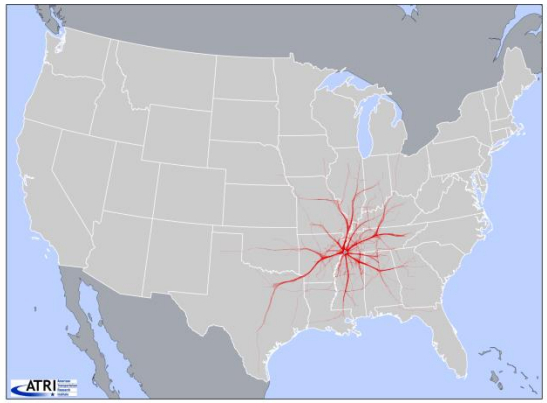
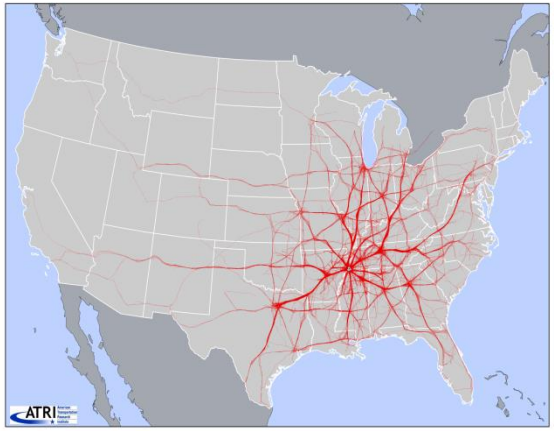
Transportation Network Connections

- Truck trips over seven days - Trip length and connections

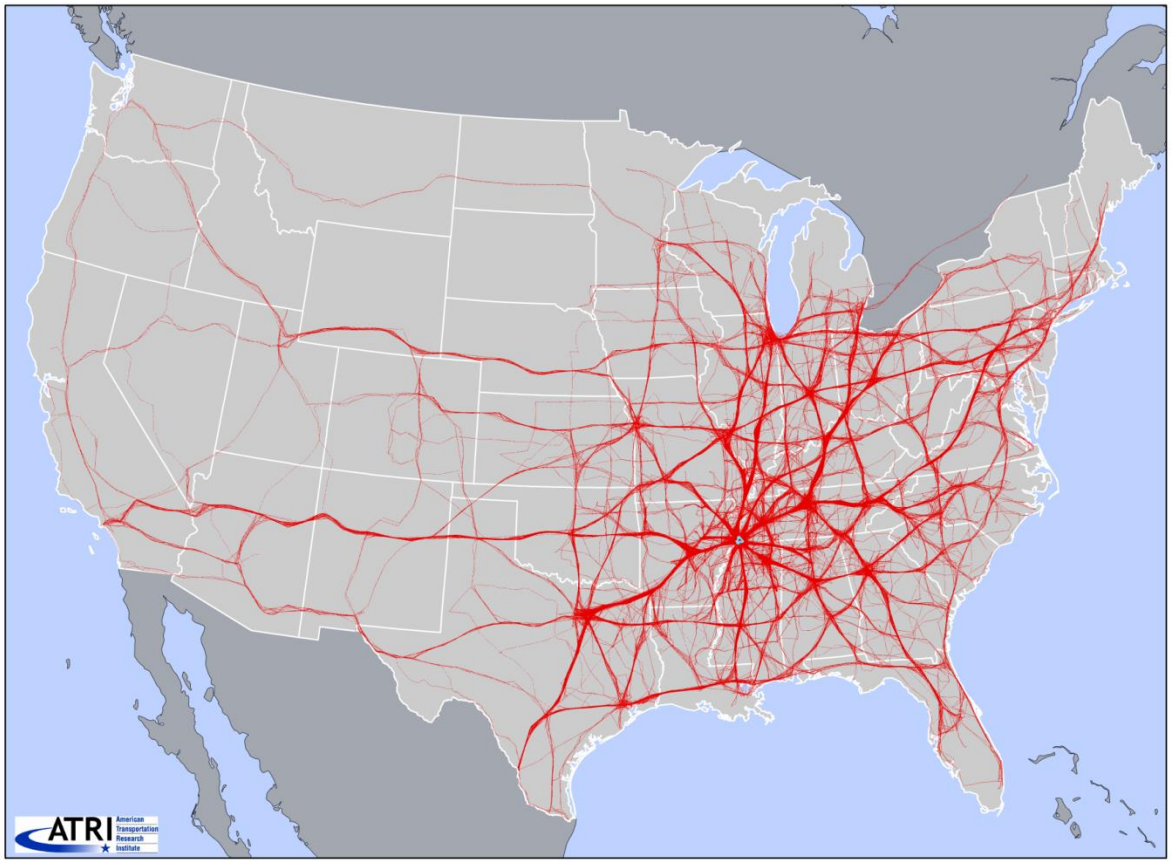
- **24-hours**



- **Three days**



- **Sevan Days**



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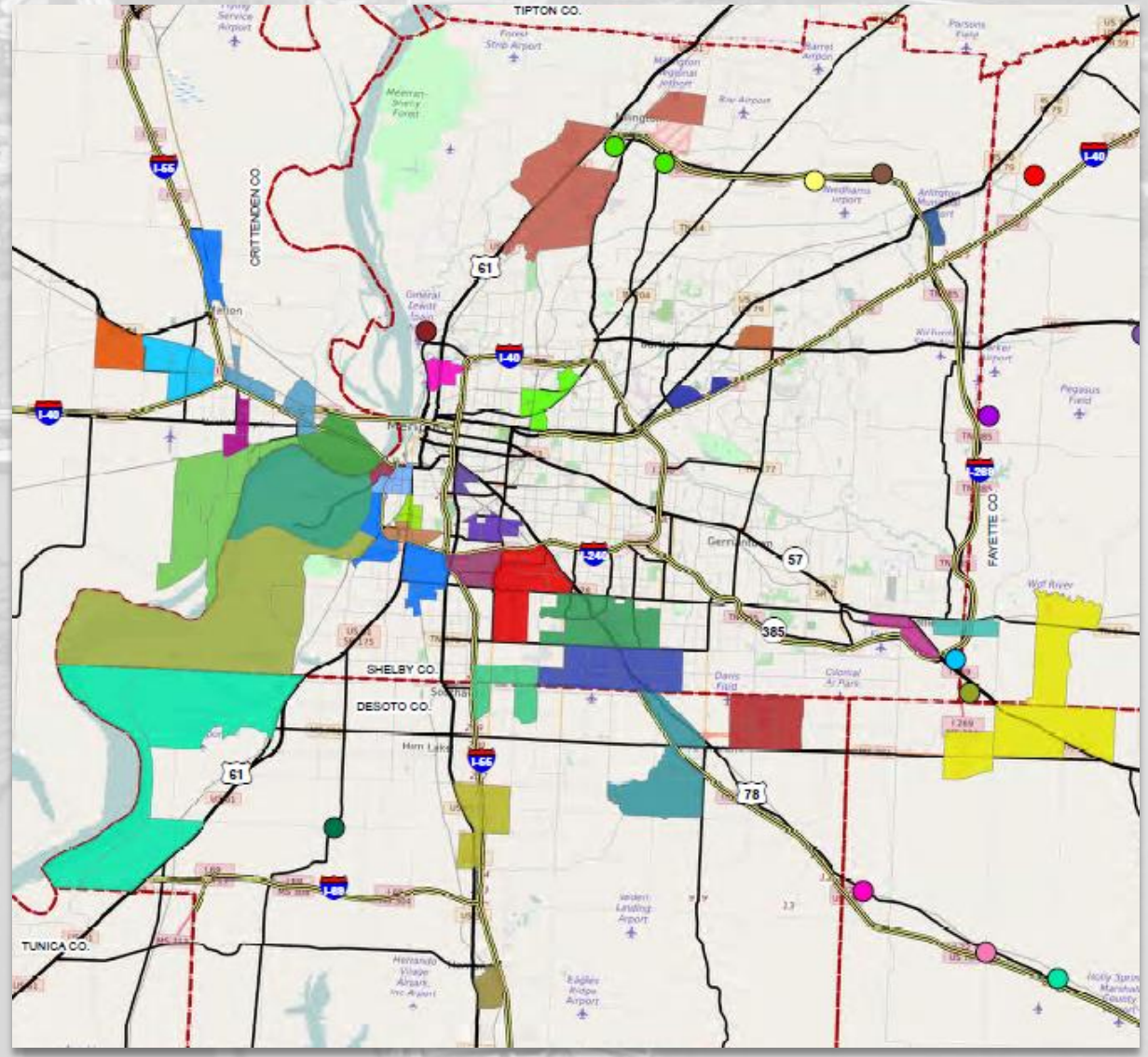
- Industrial Zones across the Tri-State Area – 30+
- Based on Traffic Analysis Zones
- Attempt to identify a unifying theme for the zone



Regional Freight Plan cont.

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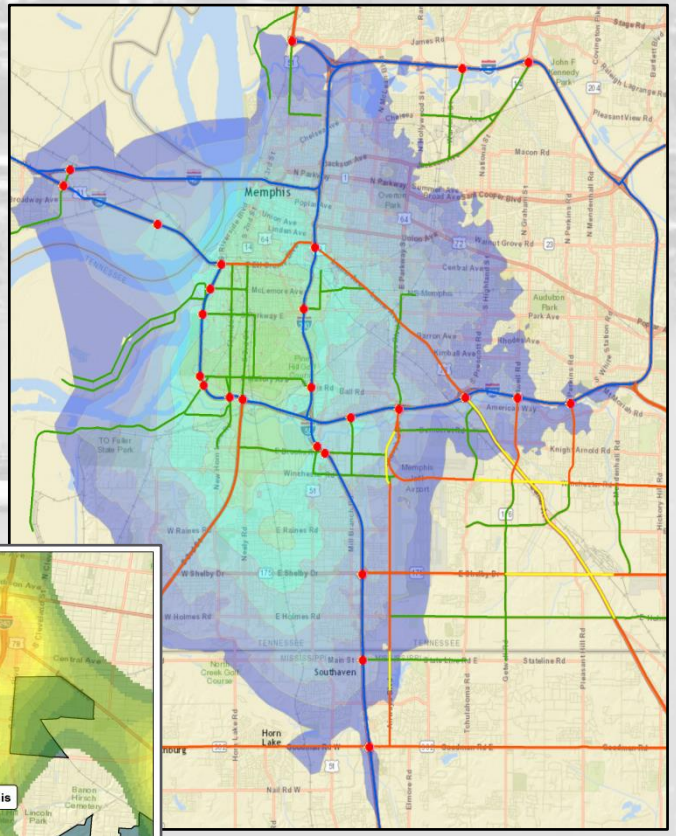
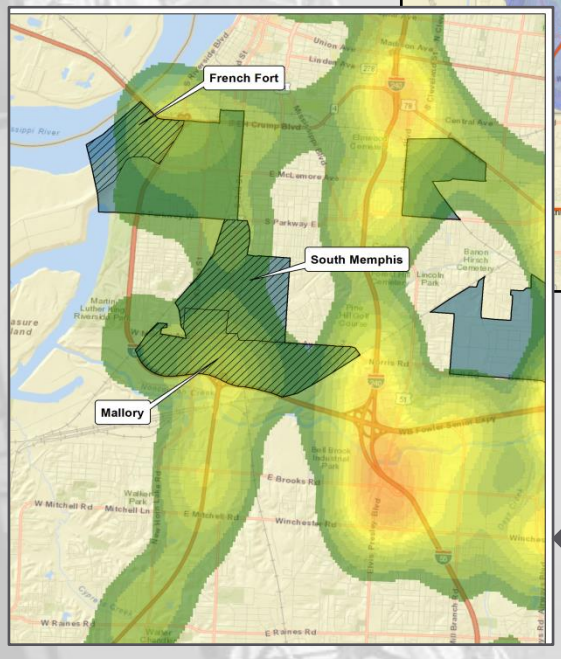
Industrial Use Factors – Site Characterization

- **Site Metrics:**
  - Location
  - Total Acreage
  - Number of Properties (by type)
    - Distribution
    - Manufacturing
    - Service
    - Truck Terminal
    - Warehouse
    - Other
- **Industry and Economic Sectors:**
  - Number of Employees
  - Income Range
  - Workforce Characteristics

Travel Time





Safety

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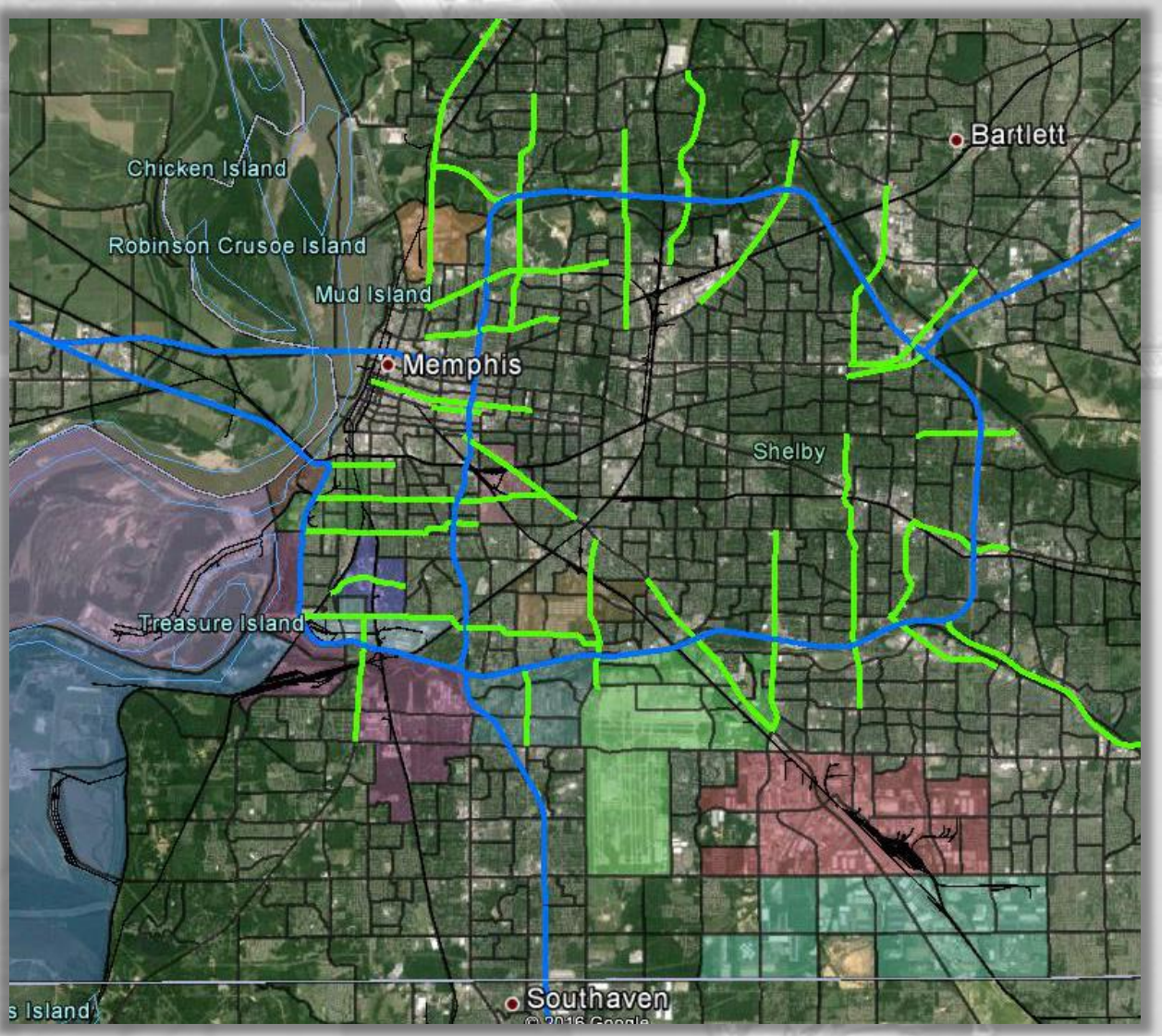
Transportation Network Connections

- Interstate & Arterial Network



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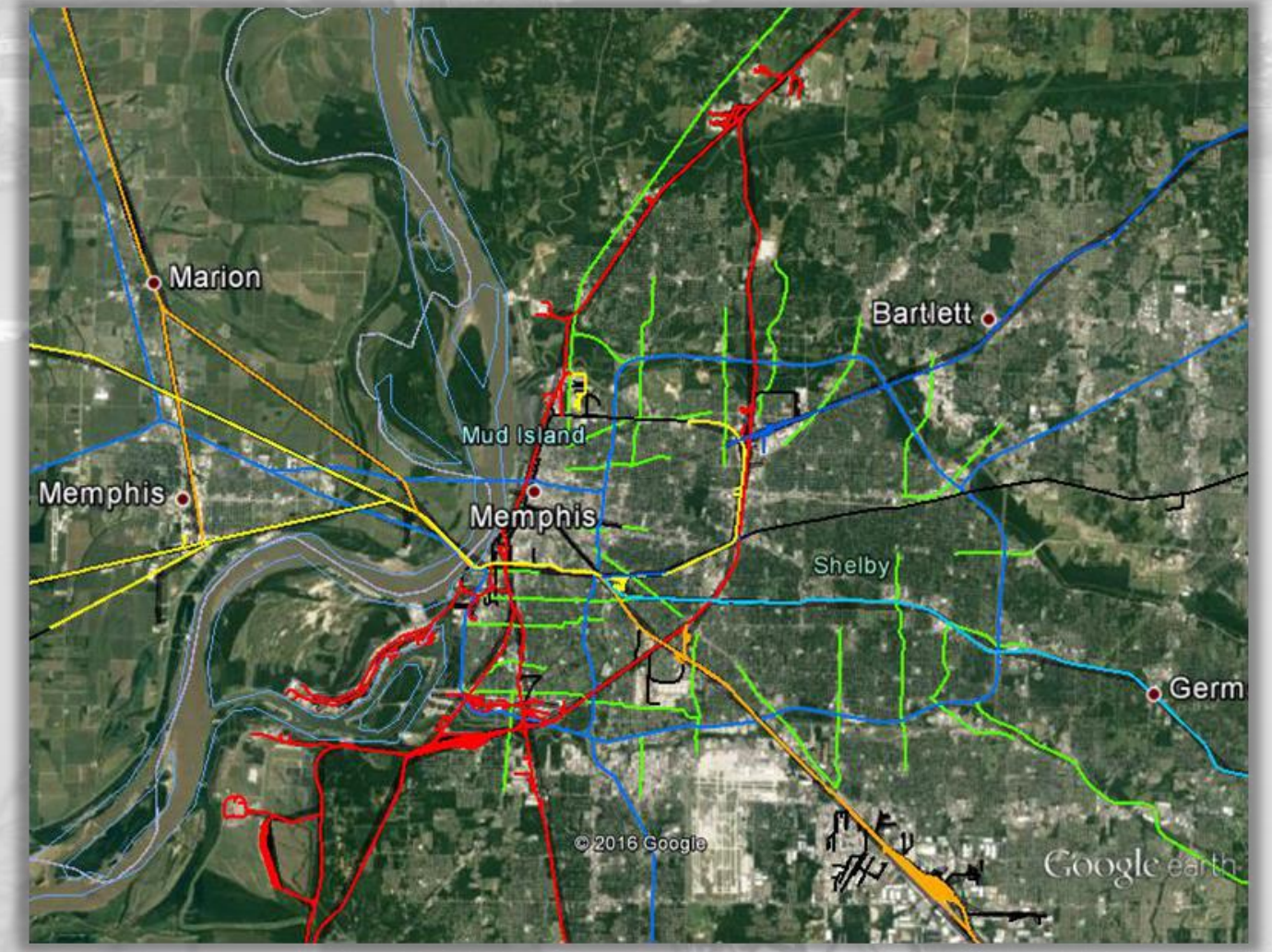
Transportation Network Connections

- Railroad networks



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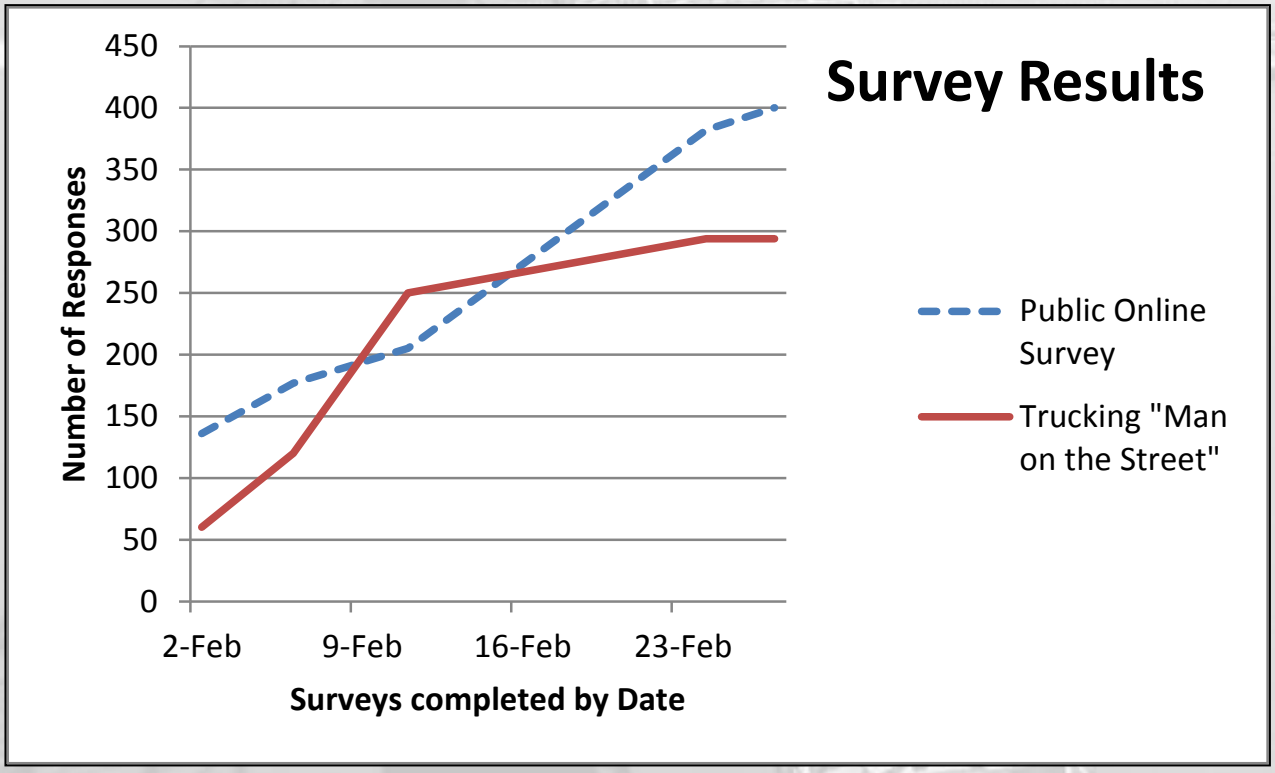
Freight Survey

- Released End of January 2017

- Truckers survey - “Man on the Street” - **294 responses**
- Public Online Survey – **400 responses**



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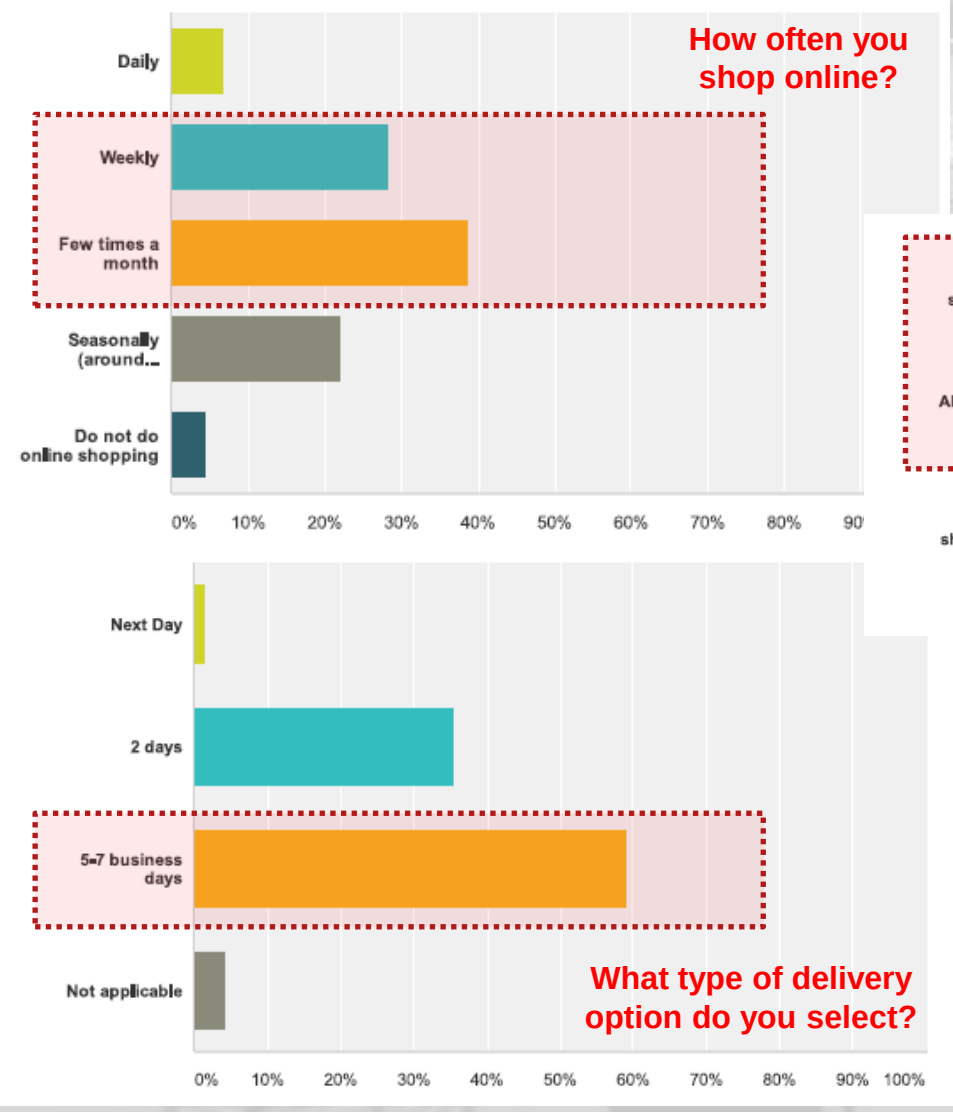
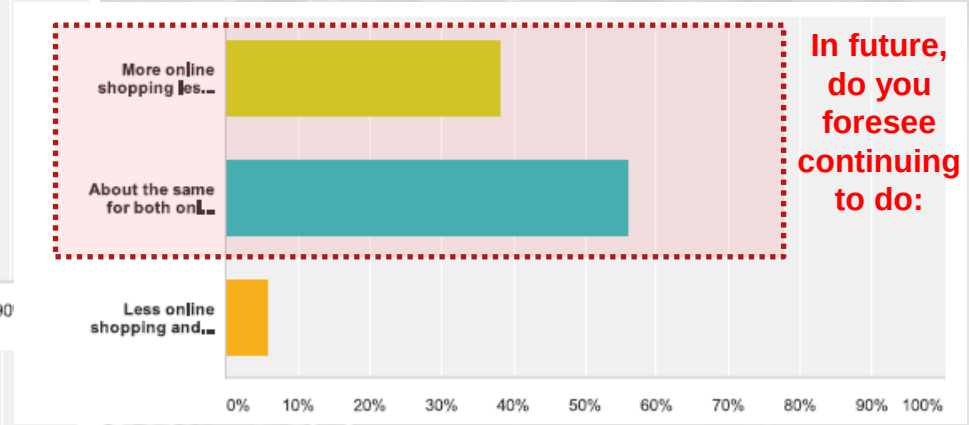
Public Survey Questions and Responses





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

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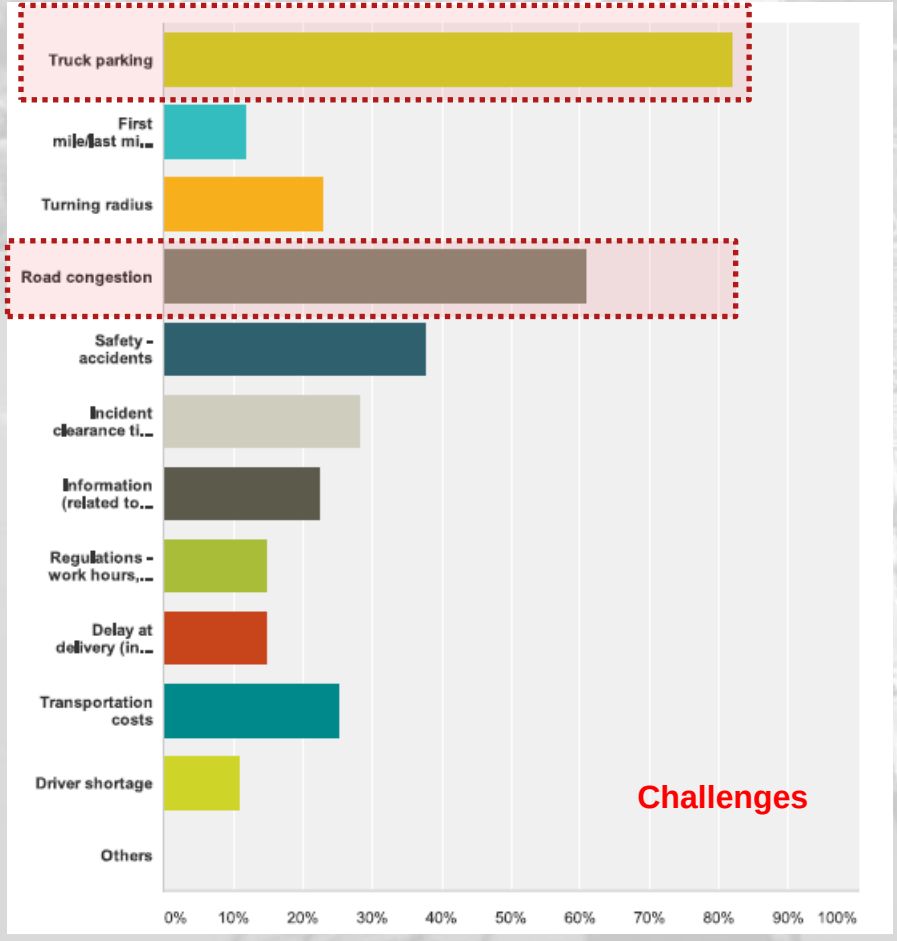
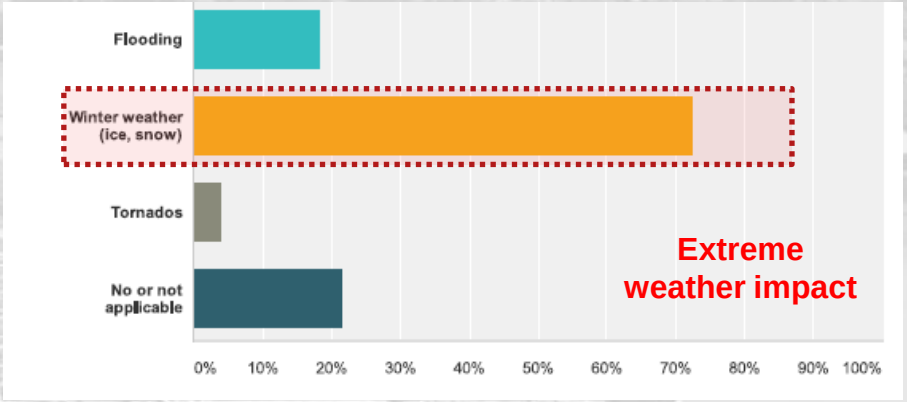
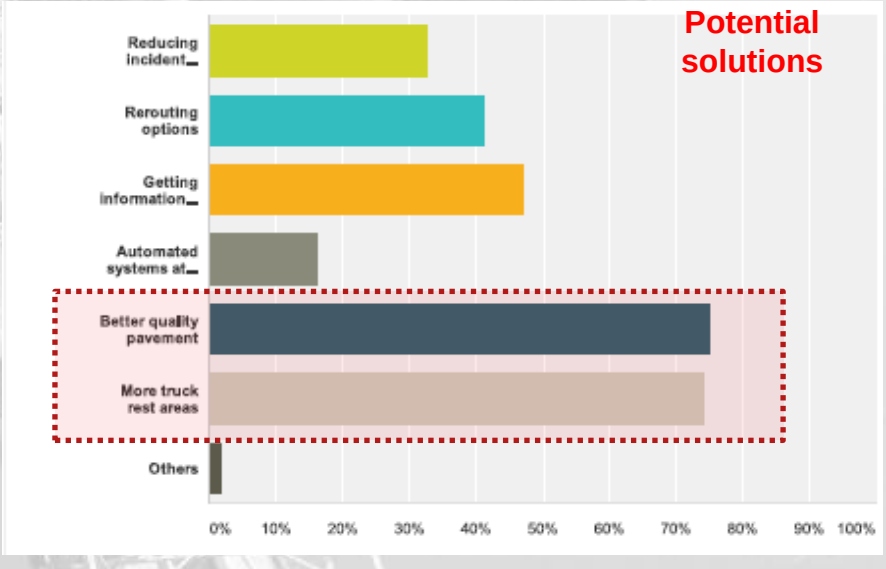
Truckers Survey Questions and Responses







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Next Steps

- Build a corridor level assessment within and through the Region
- Collaborate on the Area, Zone and Region wide evaluations
- Regional characteristics from the industrial zone clusters
- Railway & roadway networks
- Inland Waterways & Transshipment
- Public sector strategies
- Regional characteristics from the industrial zone clusters
- Formulate Programs and Projects

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Contact Information

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