



MAFC Regional Freight Study

Collaboration, Connections and Corridors





Why a Regional Freight Study?

Economic connections; Regional, national and international corridors; Awareness of conditions, future and options; Share best practices; get on the same page with industry.



MAFC Regional Freight Study Approach

Corridors, nodes, connections

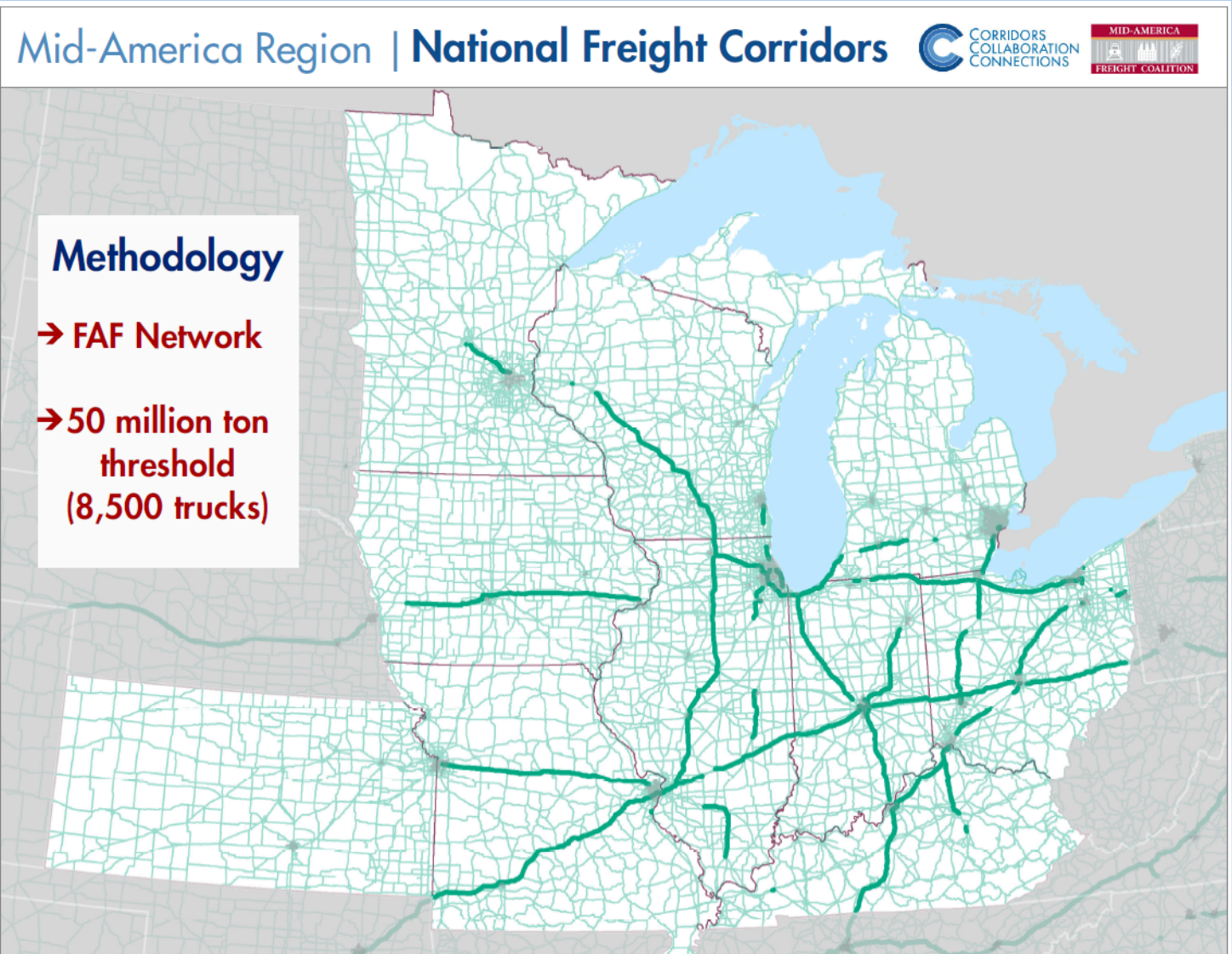
- Highway corridors
- Waterways and Ports
- Rail
- Aviation

USDOT National Primary Network

- Primary Network
- Critical Rural

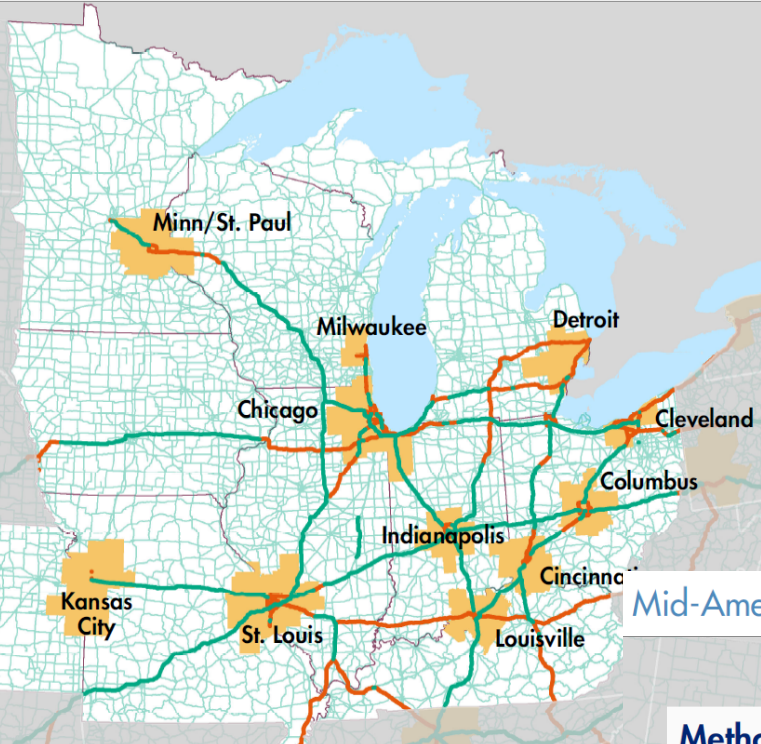


Identifying MAFC Primary Freight Highway Network – 1st step



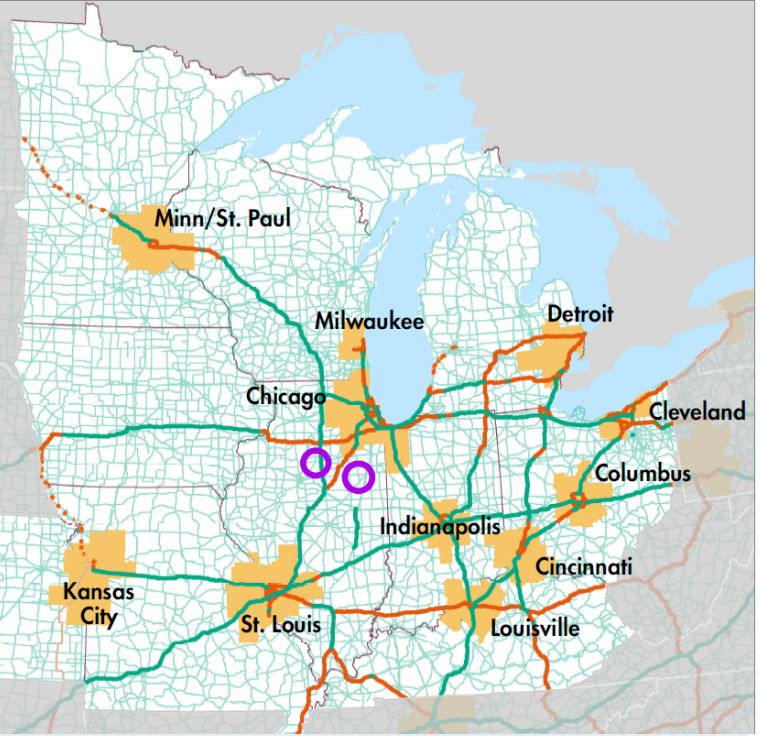
Methodology

- Connect cities >1 million
- Close gap if less than 400 miles



Methodology

- State DOT review
- Review truck data
- Revise base network



Steps 2 and 3

The next level – regional movement, new I-state designations, connectors. Where will growth happen next?

Mid-America Region | **Regional Freight Corridors**



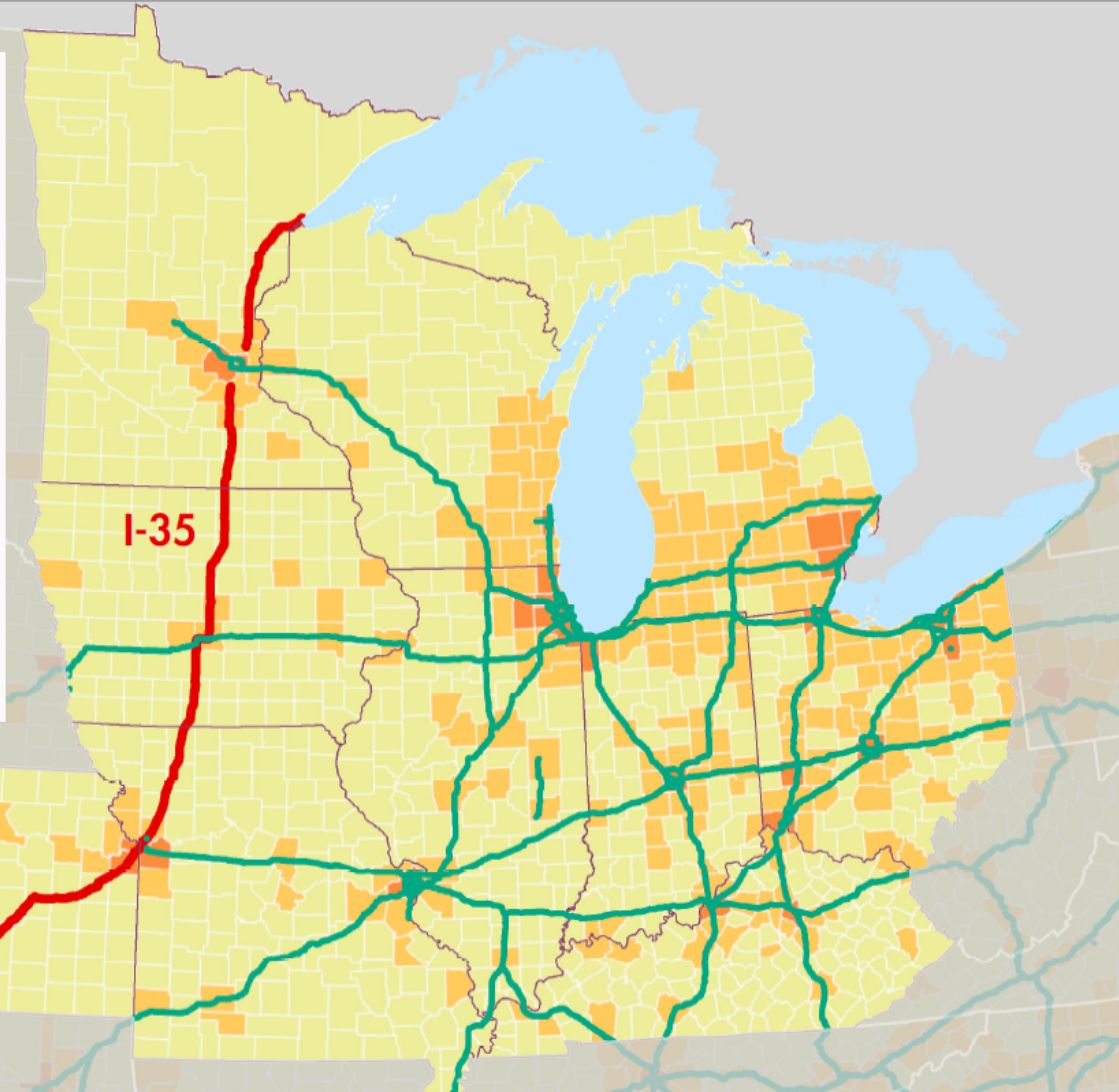
Continue data-driven approach

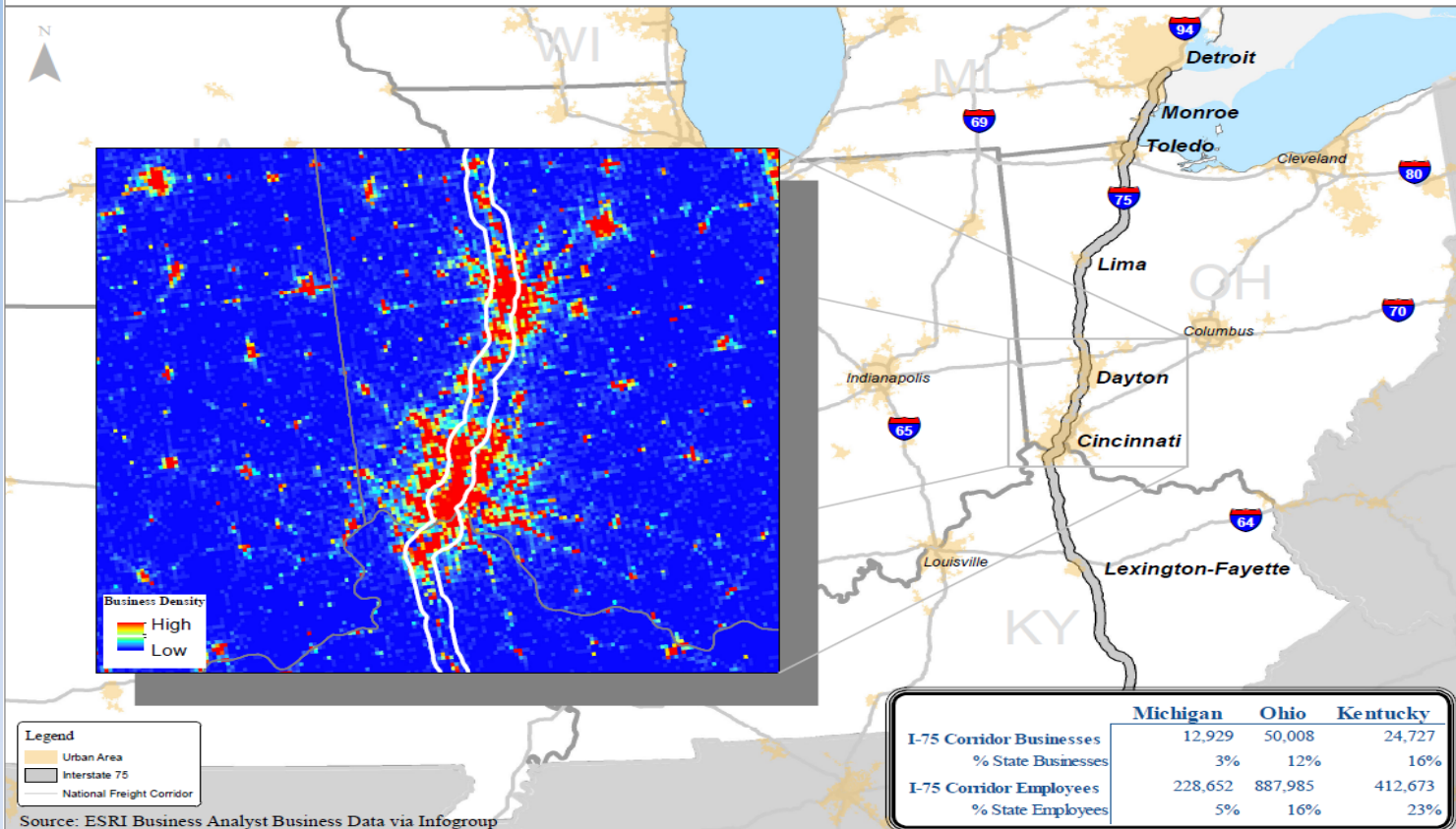
**Regional thresholds-
regional criteria**

**Cluster analysis
truck data**

Population density

Intermodal nodes





Analysis and Importance of Corridors

	Michigan	Ohio	Kentucky
I-75 Corridor Businesses	12,929	50,008	24,727
% State Businesses	3%	12%	16%
I-75 Corridor Employees	228,652	887,985	412,673
% State Employees	5%	16%	23%

Mid-America Region | I-80 Corridor



Legend

- Urban Area
- Businesses within I-80 Corridor
- National Corridor

	Iowa	Illinois	Indiana	Michigan	Ohio
I-80 Corridor Businesses	20,619	21,272	16,576	503	24,292
% State Businesses	15%	4%	7%	0%	6%
I-80 Corridor Employees	292,855	223,739	219,623	6,411	350,939
% State Employees	18%	4%	7%	0%	6%

Source: ESRI Business Analyst Business Data via Infogroup

Other attributes we are capturing

- ✓ Congestion and bottlenecks
- ✓ Environmental
air
EJ
- ✓ Connections
- ✓ Commodities
- ✓ The future of the system
- ✓ Analytical classification scheme



Aviation, Rail and Waterways

- Identify Key locations
- Develop classification scheme
- Identify connections and main commodities
- Identify the next areas for development



The future: what role will the mafc region and states play in freight development and related economic development??

What does our future look like?



- Cluster analysis to see future locations and linkages
- Current traffic and modal trends
- Energy and Environmentally constrained

– SCENARIOS?

Who's steering the boat?

Freight Planning Toolkit

C/B analysis guide; collaboration/private sector participation; awareness and growing freight champions;

- - an analytical freight planning and project development approach based on freight movements, economic development, collaboration and a vision of an integrated approach to transportation, community and economic development. Freight Transportation is that important!



White papers

- Frac sands and oil and gas mining
- Maintenance of waterway system
- Environmental Justice





Outcomes

Collaboration, connections, corridors.....



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