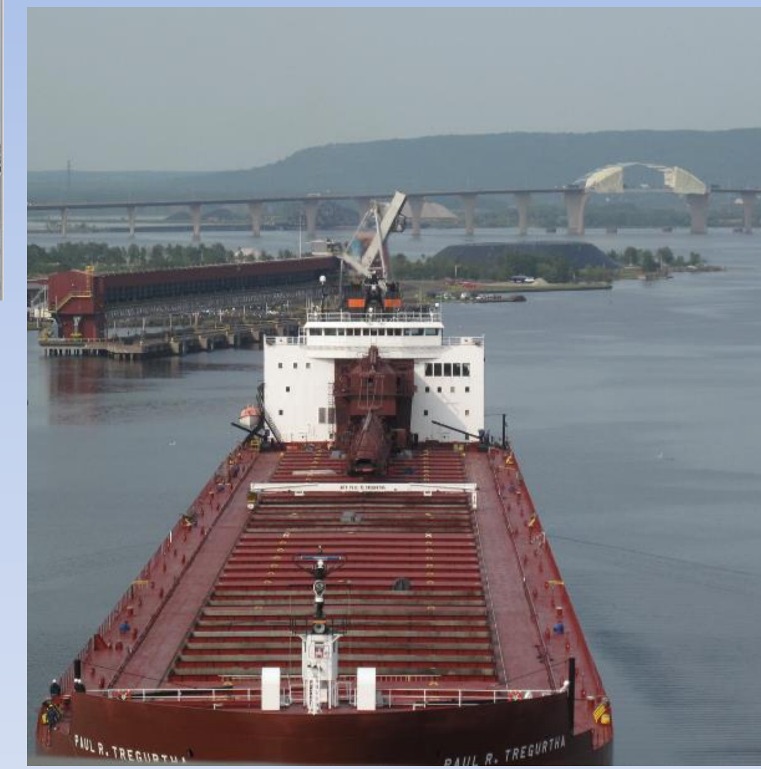
Unleashing our Comparative and Collective Advantage



How the Mid-America Region is becoming more competitive.

11th Annual Hwy H20 Conference
November 18, 2015

cfire.wistrans.org

Contact:
Ernie Perry, PhD.
University of Wisconsin - Madison.
ebperry@wisc.edu

Mid-America Freight Coalition

– Ten States

- ✓ 22% of total population
- ✓ 23% of Country's total truck tonnage
  - ✓ 24% of the USDOT PFN
- ✓ 63% of Nation's total rail tonnage
- ✓ Inland waterway system –about all of it!

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A Broad range of areas or systems we can work in to increase our competitiveness.

Planning/Institutions, Economic and Market Development, Policies and Regulations, Infrastructure, Awareness……..

Working in the Public, Private and Collaborative environments.

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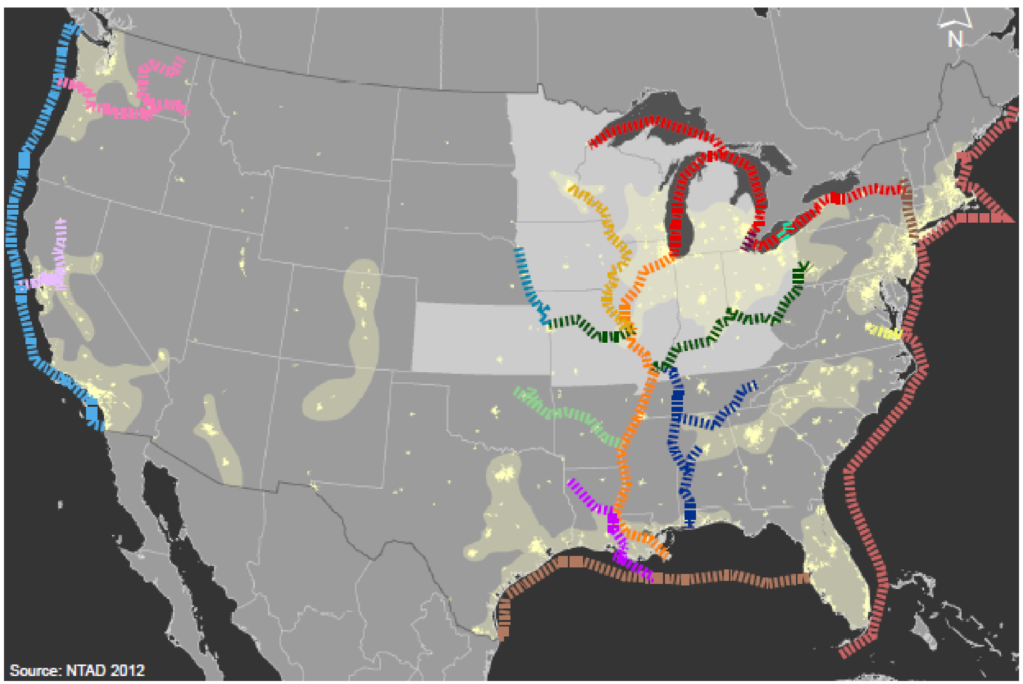
Marine Highways and Marine Freight Development in the MAFC

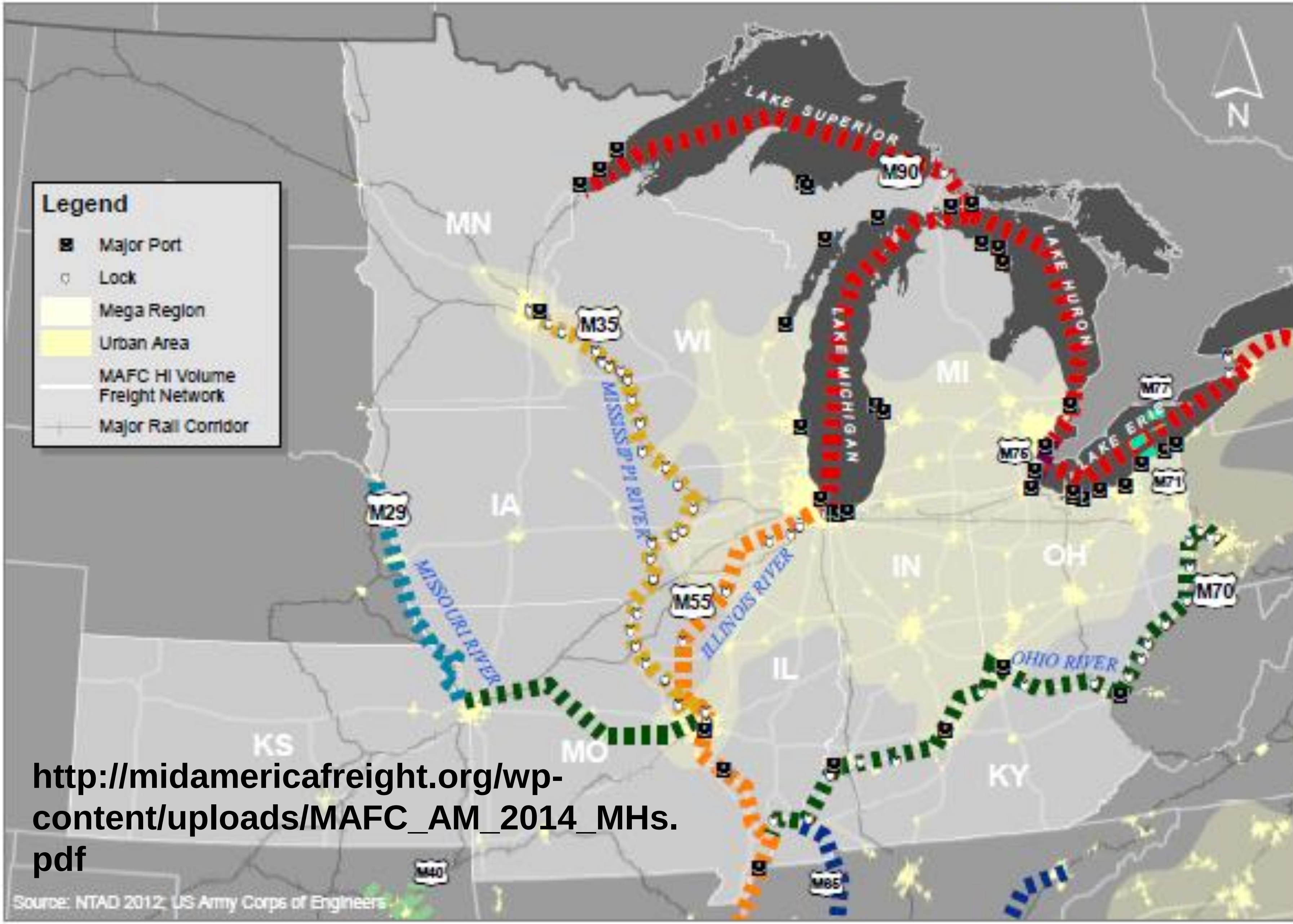


Working Session ▪ MAFC Annual Meeting ▪ April 22-25, 2014 ▪ Chicago, Illinois

MAFC state efforts to increase competitiveness.

- Marine Highways
  - Corridors
  - Planning
  - Collaboration
  - Leadership
- Marine and Freight Planning
- Freight Planning Alignment
- The Wisconsin WCPDI

MAFC Marine Highways



http://midamericafreight.org/wp-content/uploads/MAFC_AM_2014_MHs.pdf

Marine Highways in Mid-America Region

9 Defined MH Corridors

- ✓ **M55** - Industry/agency team. testing container moves.
- ✓ **M35** - Conducted survey and strategic plan – now working toward implementation.
- ✓ **M70** – Numerous studies, development of active team.

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Snapshot of Associated Modal Plans

Draft data

State	Freight Plan	LRTP	Rail Plan	Waterway Plan	Aviation Plan
Illinois	2012	2012	2012	None	In development
Indiana	2014	2010	2011	None	2012
Iowa	N/A	2012	2009?	None	2010
Kansas	2009	[illegible]	2011	None	2009
Kentucky	2006	2006	2015	2007	In development
Michigan	2013	2012	2011	None	2008
Minnesota	2005	2012	2015	2014	2012
Missouri	2015	2013	2012	None	2002
Ohio	2013	2013	2010	None	2014
Wisconsin	N/A	2009	2014	None	2015

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Draft Working data from MAFC Freight Plan Alignment Study.

Freight plans completed in last 5 years:

Indiana - **Indiana 2014 Multimodal Freight and Mobility Plan (PDF)**

Missouri – **Missouri Freight Plan (2014)**

Michigan - **Michigan Freight Plan (2013)**

Ohio - **Ohio Statewide Freight Study (2013)**

Illinois - **Illinois Freight Mobility Plan (PDF)** – December 2012

Freight plans completed in last 5-10 years

Kansas - **Statewide Freight Study (2009)**

Kentucky - **Statewide Intermodal Freight Plan (2006, edit 2007) (PDF)**

Minnesota - **Statewide Freight Plan (2005) (PDF)** – Being updated 2015

In Process:

Iowa

Wisconsin

Benefits of Freight Plan alignment

- Identify opportunities to collaborate, increase awareness and communication of freight plan activities across MAASTO states.

- Identify and share best practices across all areas of freight planning and development

- Inform and lead regional and national freight planning activities. Demonstrate state and regional best practices as well as leadership in freight policy and programs.

State Examples: The Wisconsin Commercial Ports Development Initiative

Project website and report:
http://www.wistrans.org/cfire/research/projects/09-02/

WCPDI Strategic Approach to Developing the State' Ports

Wisconsin Commercial Ports Development Initiative (WCPDI)

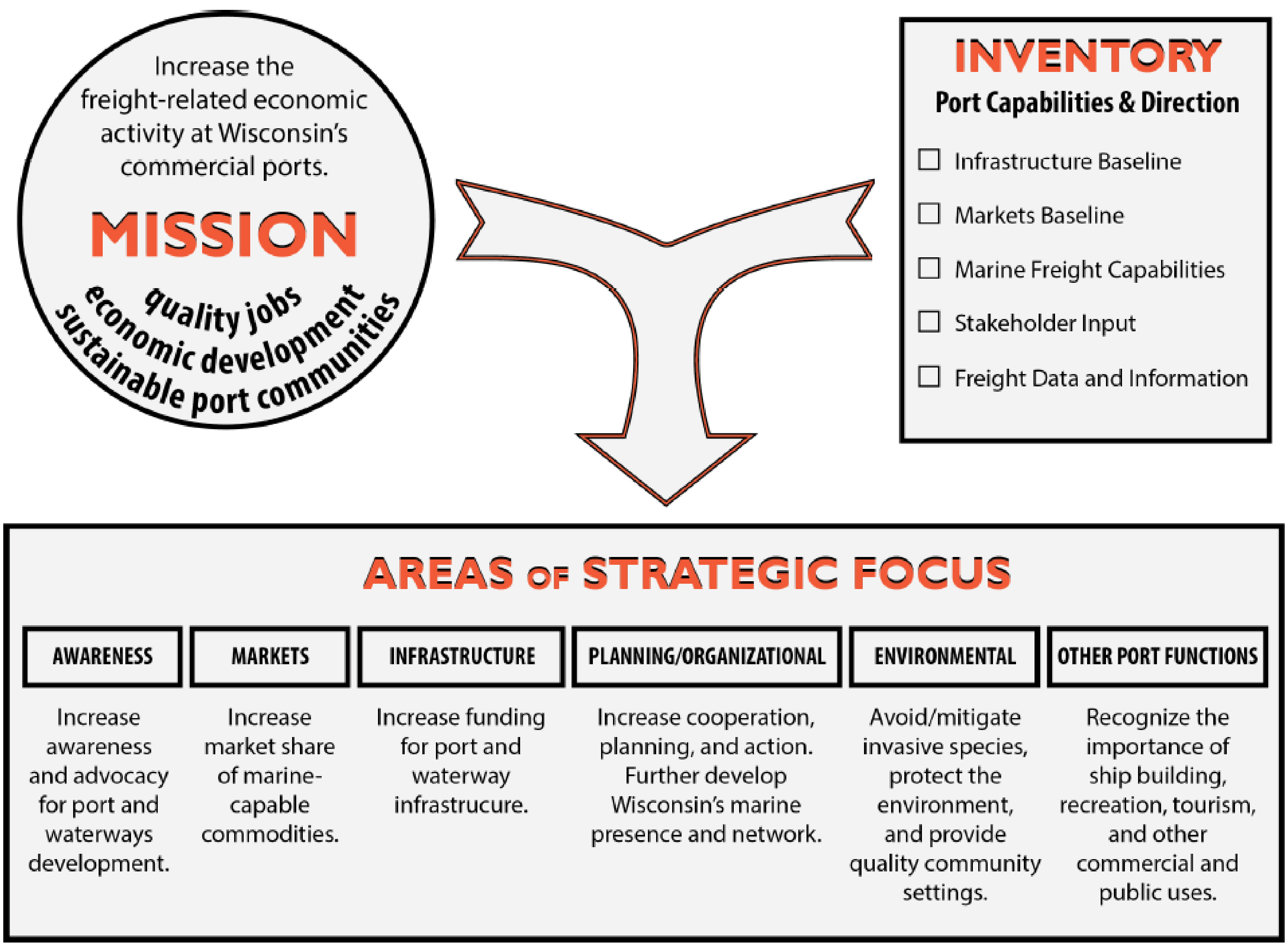

Figure 27. Wisconsin Commercial Ports Development Initiative Strategic Process

Collaboration - Project sponsors:

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Wisconsin Coastal Management Program

Brown County Port of Green Bay

Wisconsin Dept. of Natural Resources

Wisconsin Commercial Ports Association

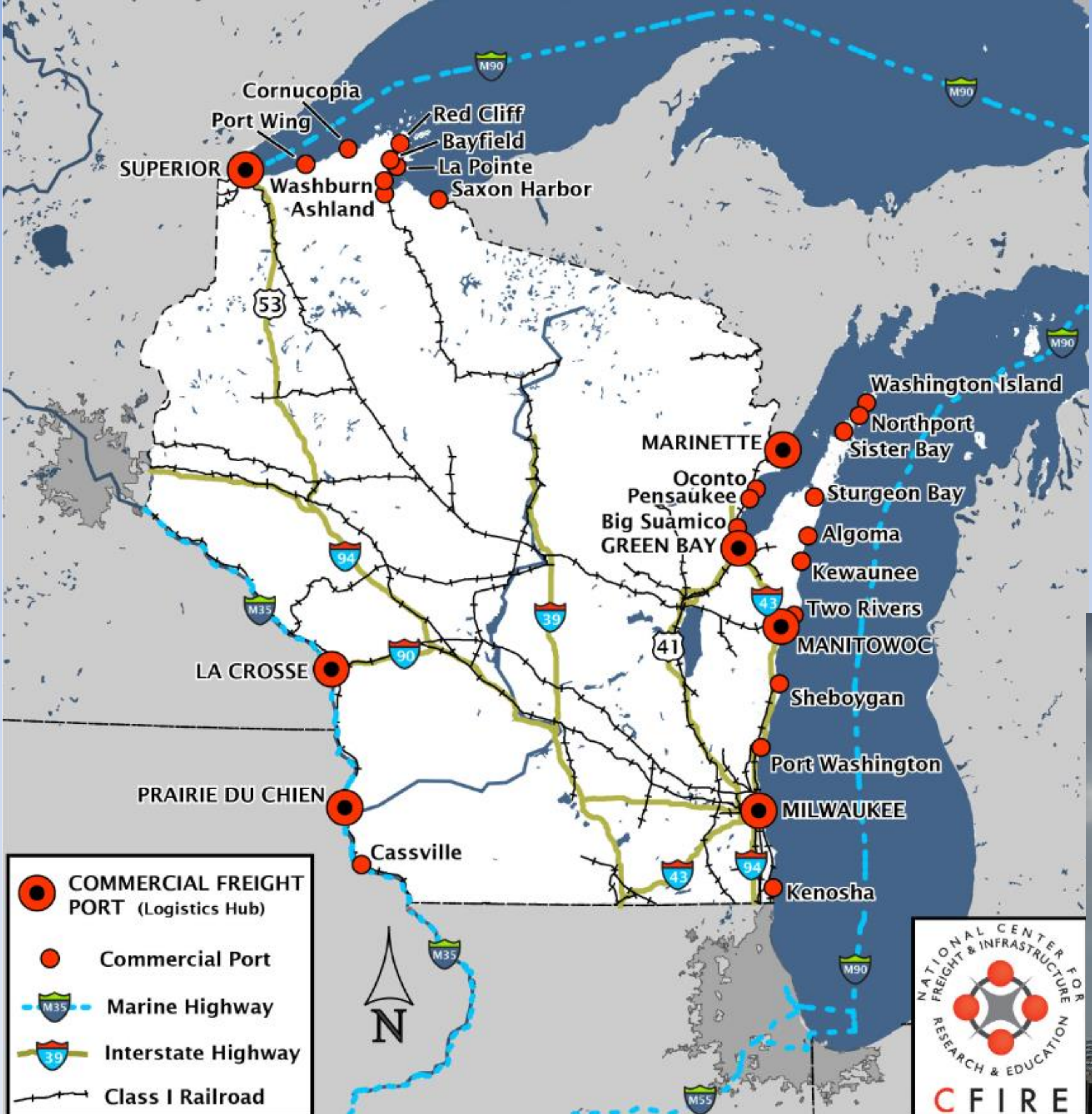
Wisconsin Department of Transportation

Great Lakes Maritime Research Institute
A University of Wisconsin - Superior and University of Minnesota Duluth Consortium

WEDC

Wisconsin Commercial Ports: Infrastructure and Market Baselines

7 logistics hubs



WCPDI: Commercial Port Inventory Effort

- **<u>Infrastructure baseline</u>** provides for port and harbor planning, collaboration, and site location efforts for business and community development.

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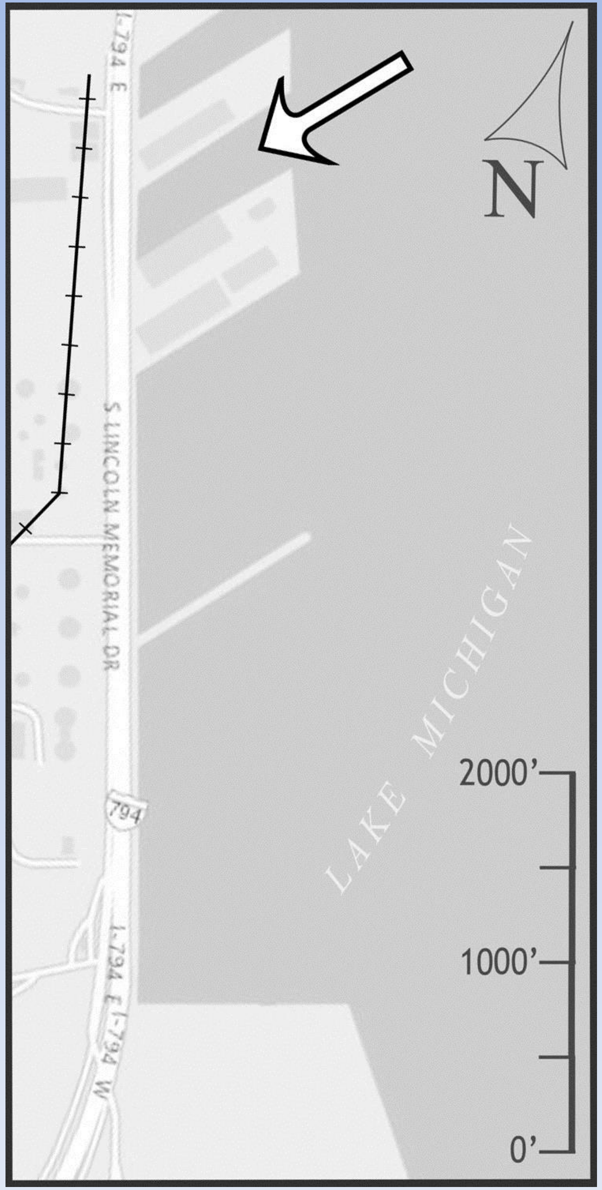
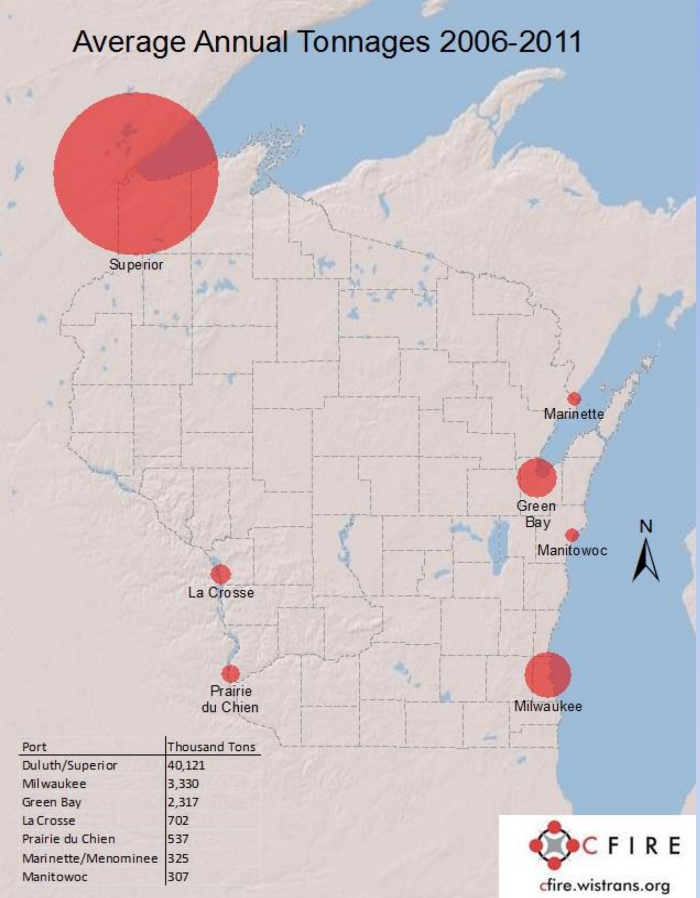
Terminal Operator Attributes

Federal Marine Terminals, Inc.

Cargo Handled	steel, forest products, project cargo, containers, breakbulk
Pier Length (2)	965 feet and 1,000 feet
Depth Along Dock	27 feet
Truck Access	S. Lincoln Memorial Drive to I-794 or S. Lincoln Memorial Drive to Lincoln Ave. Viaduct to E. Bay St. to Becher St. to I-94/I-43
Rail Access	Canadian Pacific, Union Pacific
Storage Inside	205,000 ft^2
Storage Outside	14 acres
Equipment	25-ton overhead coil crane, indoor rail (un)loading, food-grade warehouse, 4 cranes (185 mt max capacity), fork-lifts (up to 52,000 lb capacity), yard jockeys, Ro-Ro ramp, and container chassis

Contact Luke Kvapil
E-mail lkvapil@fedmar.com
Mailing Address 1200 S. Lincoln Memorial Drive
Milwaukee, WI 53207
Telephone (414)-769-2900
Fax (414)-769-292
Website http://www.fmtcargo.com



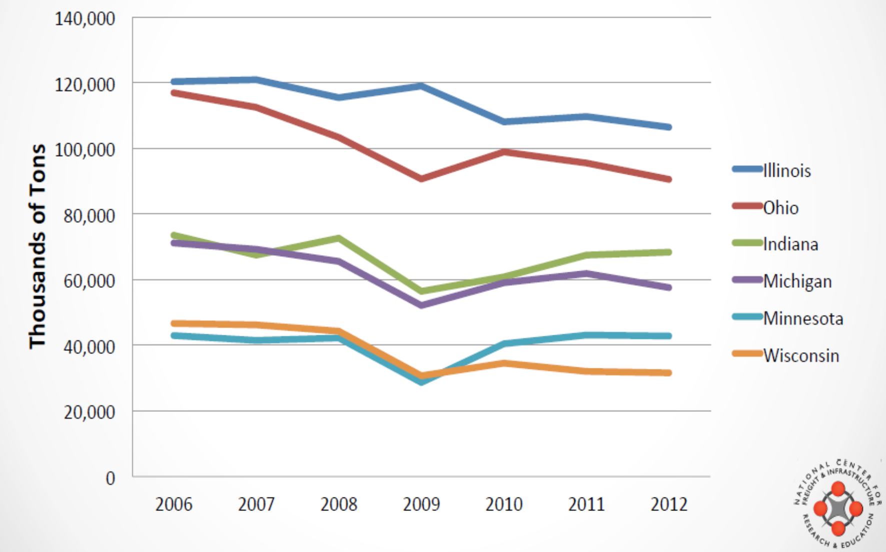


Market Baseline

Includes: Commodities moved, employment in marine sectors, trends to watch.

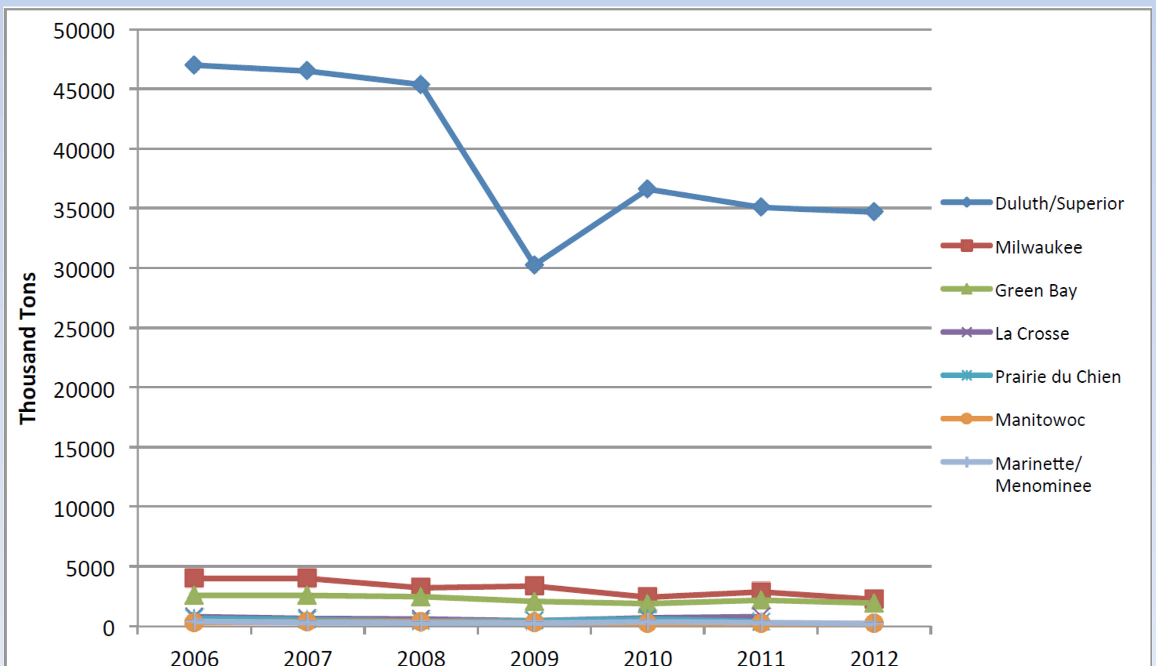
Provides for: baseline conditions, metrics to track growth, and focus areas for market development

Historical Tonnage by State



Source: US Army Corps of Engineers, Manuscript Cargo File (2006-2012)

	Establishments	Employment
Tourism & Recreation	1,770	30,747
Marine Transportation	142	4,156
Ship & Boat Building	28	2,346
Marine Construction	30	619
Living Resources	32	300
Offshore Mineral Extraction	26	138
Wisconsin Total	2,028	38,306



State and regional status, port statistics, marine employment

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Planning, Organizations and Programs

WISCONSIN DEPARTMENT OF TRANSPORTATION

THE UNIVERSITY of WISCONSIN MADISON

Reviewed:
- HAP Program
- Harbor and Port Plans
- Larger System Plans and efforts – CGLG, Upper Mississippi, M35, M55, M70.

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WCPA Strategic Development Initiative

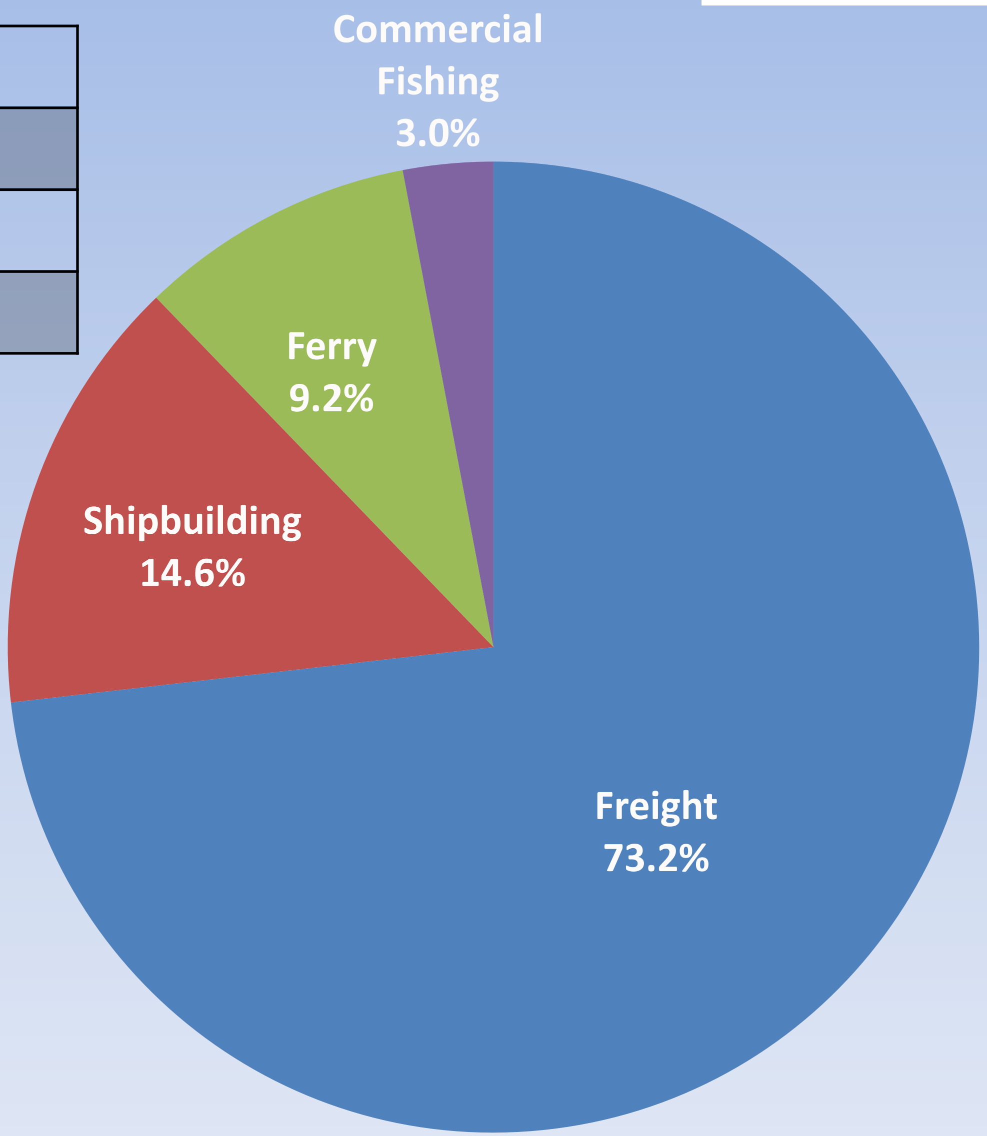
Total HAP Awards 1980-2013

Nearly **$140 Million** awarded (2013 dollars)

Freight	**$101 M**
Shipbuilding	**$18 M**
Ferry	**$10 M**
Commercial Fishing	**$4 M**

Projects Funded

- Dredging
- Dockwall repair/maintenance
- Terminal/Dock construction
- Equipment Purchase



Phase II WCPDI – Identification and Assessment of Marine Capable Cargoes

- Assessment of commodity flows and opportunities
- Assessment of OSOW moves
- Interview ports, industry and logistics sectors.
- Model current moves and waterway moves to establish cost and social efficiencies

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Increasing Awareness and Market Development: WEDC Interactive transportation map. WEDC – "We deliver customers"

HIGHWAY SYSTEMS

Wisconsin's extensive transportation network relies on nine major highways covering more than 11,800 miles (18,990 km) to move our goods to market and connect us to major industrial cities throughout the Midwest.

RAILROAD LINES

Rail traffic throughout Wisconsin continues to grow, moving more than $122 billion in freight each year and creating a seamless link to the nationwide intermodal system.

COMMERCIAL PORTS

Uniquely situated on some of the nation's greatest waterways, Wisconsin ships 40 million tons of freight each year. Commodities travel to and from our commercial cargo ports along the Mississippi River, Lake Michigan and Lake Superior.

COMMERCIAL AIRPORTS

Throughout Wisconsin, air traffic takes off from eight commercial airport locations, linking us to every point in the nation within one business day.

FOREIGN TRADE ZONES (FTZ)

An FTZ is created when goods are imported into a U.S. location, but are ultimately destined for a foreign market; either as-is or after some value has been added. Manufacturers operating in or near one of Wisconsin's

How can Freight Transportation move our Economy?

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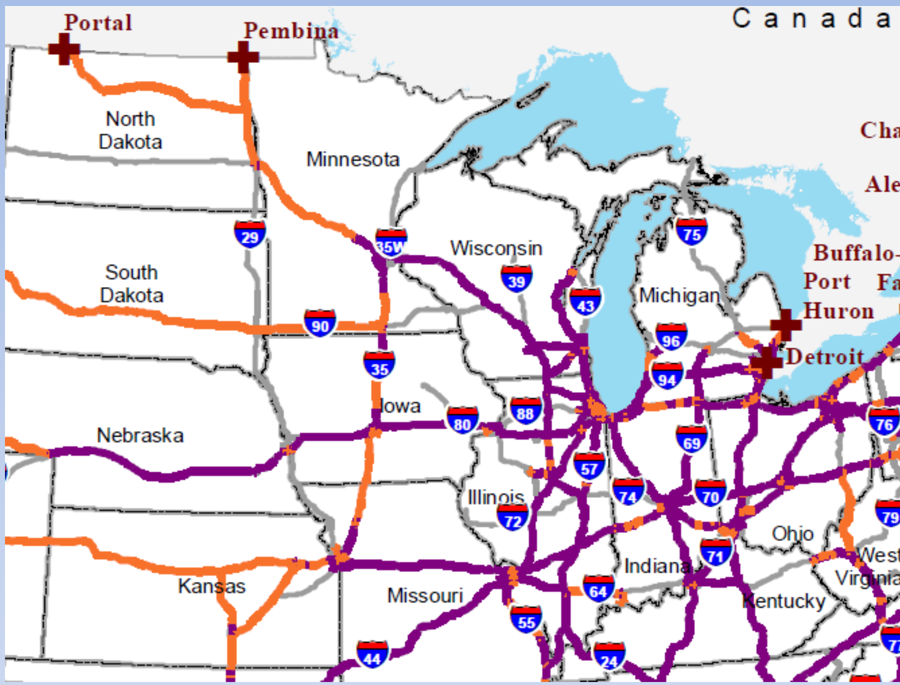
- 35% of businesses and 42% of employees on top 5 freight corridors
- Transportation investment generally return 3:1. Over 60% of the benefits are freight related.
- On average, logistics jobs pay 15% higher wages.
- Counties with mature facilities tend to grow faster
- Global competition – soybean example

Value

Employment w/in 3 miles each side of corridor



	Businesses	Employees
MAFC Region	2,606,162	32,458,110
Corridor	920,809	13,637,546
Percentage	35%	42%

Corridor	Combined MSA GDP (millions)
I-94	$1,023,926
I-80	$768,315
I-90	$689,712
I-65	$652,225
I-55	$621,375

	Nation	MAFC	%
FHWA Major Freight Corridor Miles	29,417	6,508	22%
2009 GDP (billions)	$13,974	$2,813	20%
2010 GDP (billions)	$14,499	$2,936	20%
2011 GDP (billions)	$15,076	$3,049	20%

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Becoming More Competitive

1) Planning
2) Collaboration
3) Economic Development
4) Market Development
5) Infrastructure
6) Awareness

-Systems approach

-Ongoing Effort

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Thank you!

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