

Illinois State Freight Plan

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Background

- Fixing America's Surface Transportation (FAST) Act signed into law on December 4, 2015
- States must have a federally approved Freight Plan by December 4, 2017, to receive Freight Formula Funds provided by the FAST Act

Freight Formula Funds

FAST Act - Five Year Allocation for Illinois

2016	-	\$41,246,826
2017	-	\$39,453,486
2018	-	\$43,040,166
2019	-	\$48,420,187
2020-		<u>\$53,800,208</u>
		\$225,960,873

Avg. \$45M/Year

Obligation of Funds

National Highway Freight Network (NHFN)

- Primary Highway Freight System (PHFS)
- Non-PHFS Interstates
- Critical Urban Freight Corridors (CUFCs)
- Critical Rural Freight Corridors (CRFCs)

National Highway Freight Network (NHFN) in Illinois

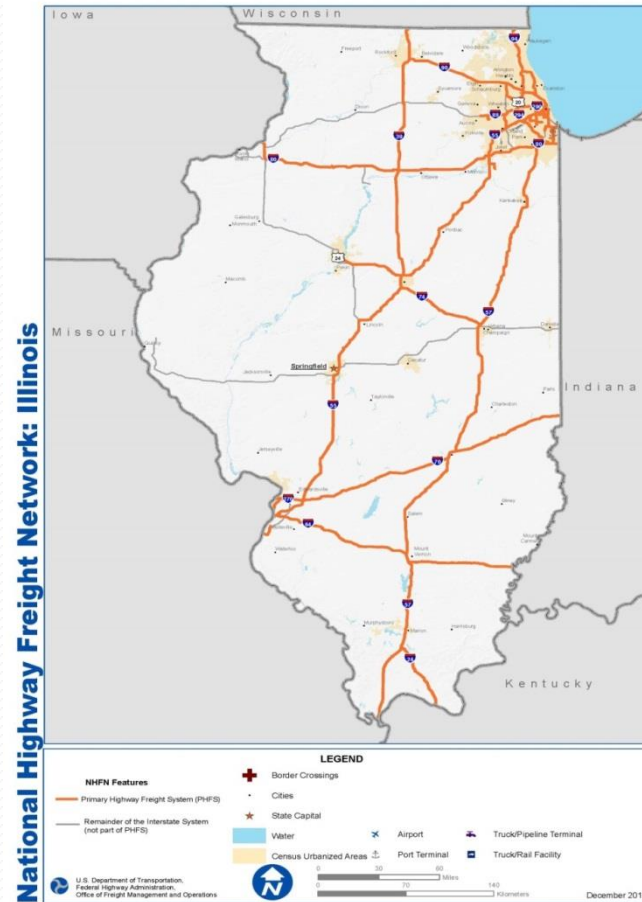
Primary Highway Freight System (PHFS) - 1,685.40 miles

Non-PHFS Interstates – 586.89 mi*

Critical Urban Freight Corridors - 168.54 miles

Critical Rural Freight Corridors – 337.08 miles

*Illinois is classified as a High Mileage State - excludes using funds on the Non-PHFS Interstates, unless they are designated as a CUFC or a CRFC



Freight Plan Elements

General Overview

Trends

- Infrastructure
- Workforce
- Emerging

Bottlenecks

- Reliability
- Delay
- 95th Percentile

Freight Data Analysis

Modal Breakdown (2014)

Tons (M)

• Truck	664.2
• Rail Intermodal	105.1
• Rail Carload	348.9
• Water	107.8
• Air	1.9

Grand Total **1,227.9**

Value (B)

• Truck	\$1,072.3
• Rail Intermodal	\$1,313.6
• Rail Carload	\$ 371.2
• Water	\$ 31.5
• Air	\$ 185.4

Grand Total **\$2,974.0**
(= 2.97 Trillion with a “T”)

Modal Share Comparison (2014)

Tons

• Truck	54.1%
• Rail Intermodal	8.6%
• Rail Carload	28.4%
• Water	8.8%
• Air	0.2%

Grand Total **100%**

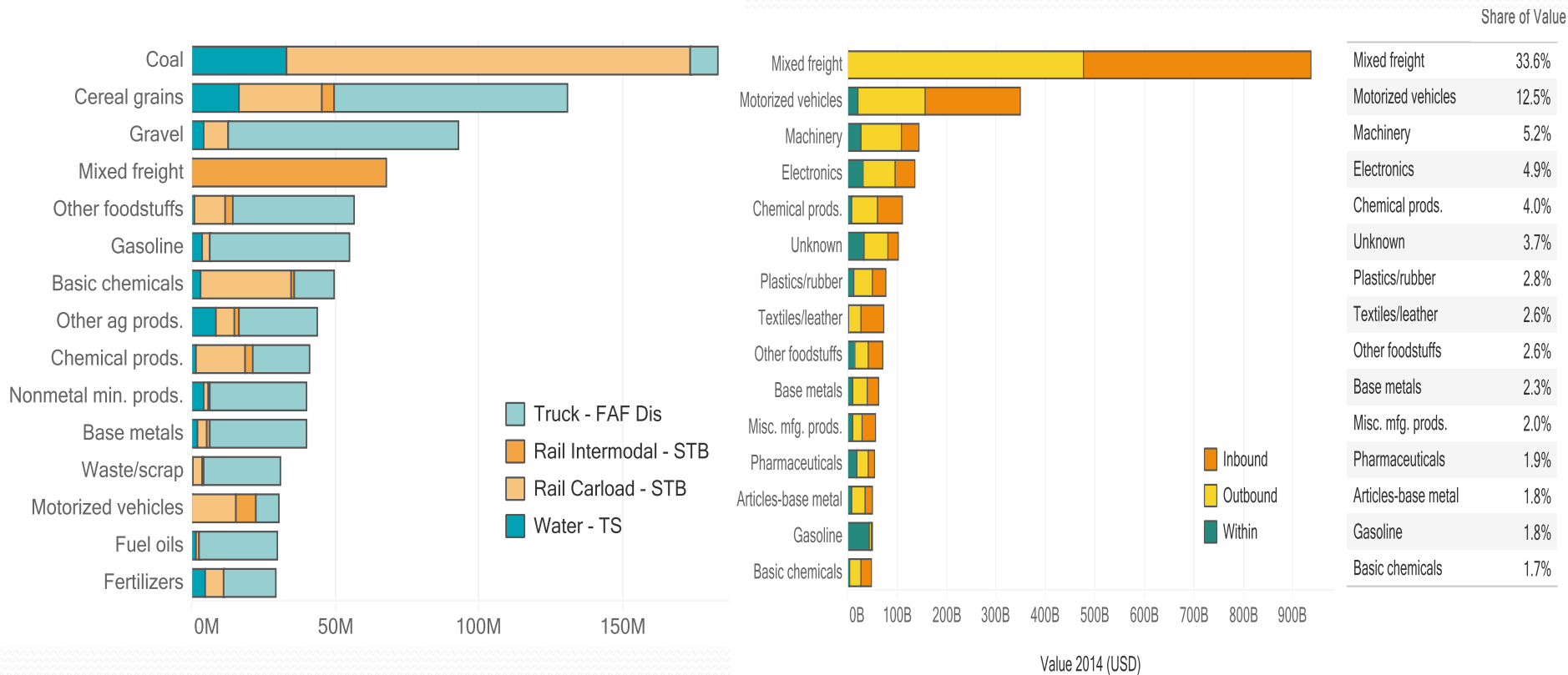
Value

• Truck	36.1%
• Rail Intermodal	44.2%
• Rail Carload	12.5%
• Water	1.1%
• Air	6.2%

Grand Total **100%**

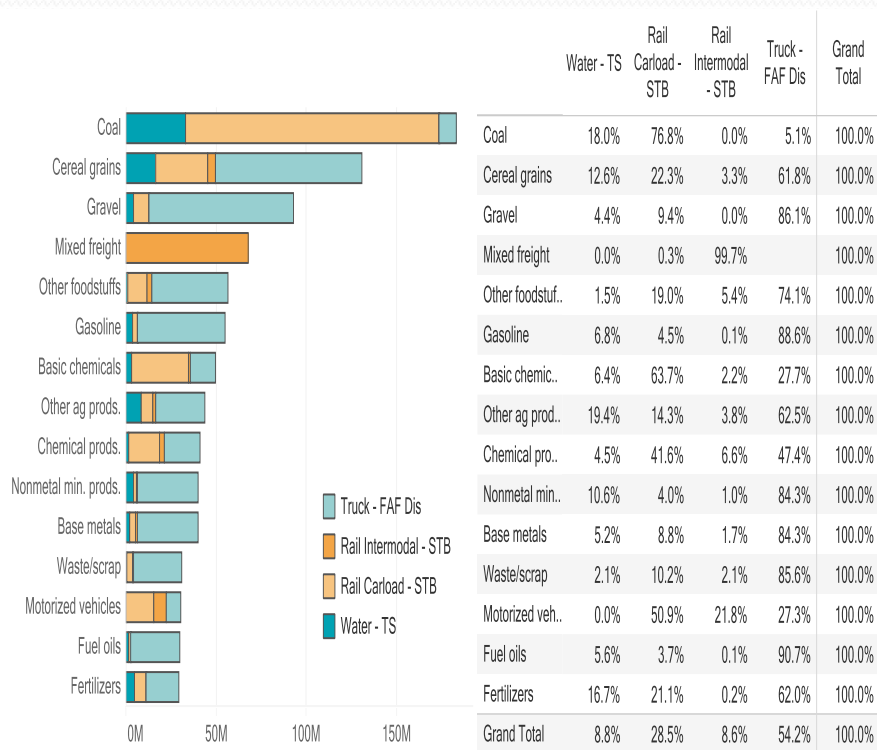
Commodities Breakdown (2014)

Top 15 Commodities (Tons) Top 15 Commodities (Value)



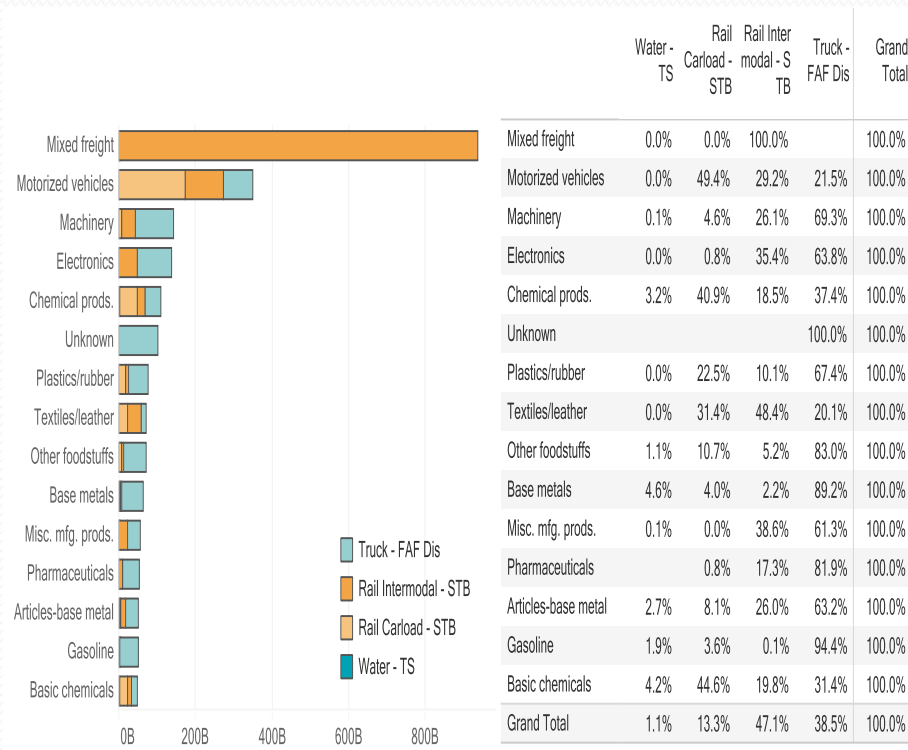
Commodities Mode Share (2014)

Top 15 Commodities Mode Share (Tons)



Tons 2014

Top 15 Commodities Mode Share (Value)

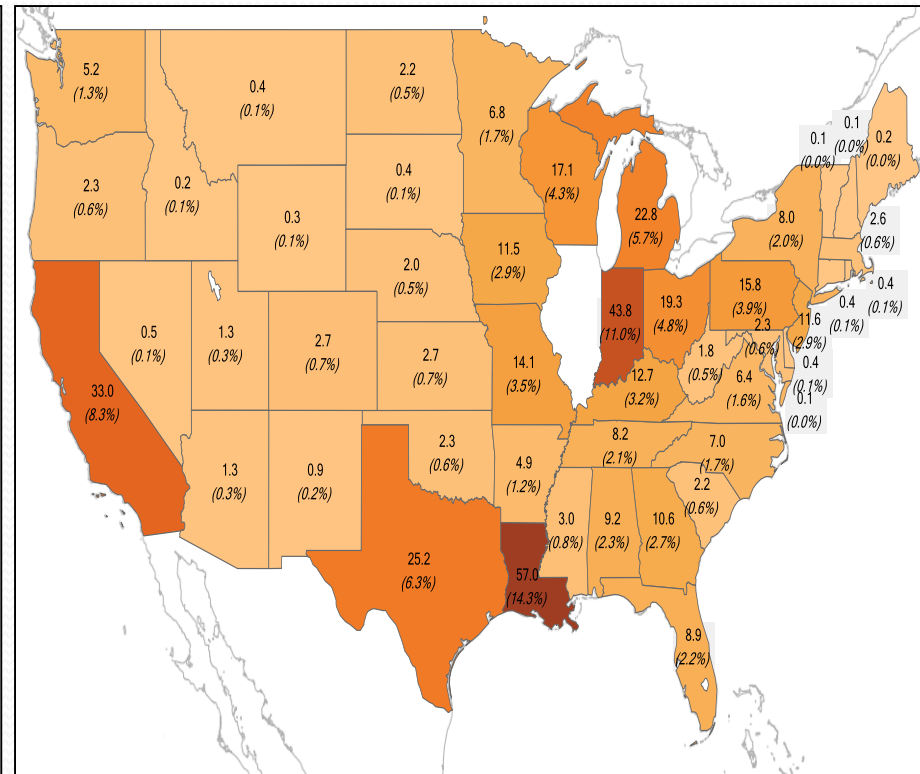
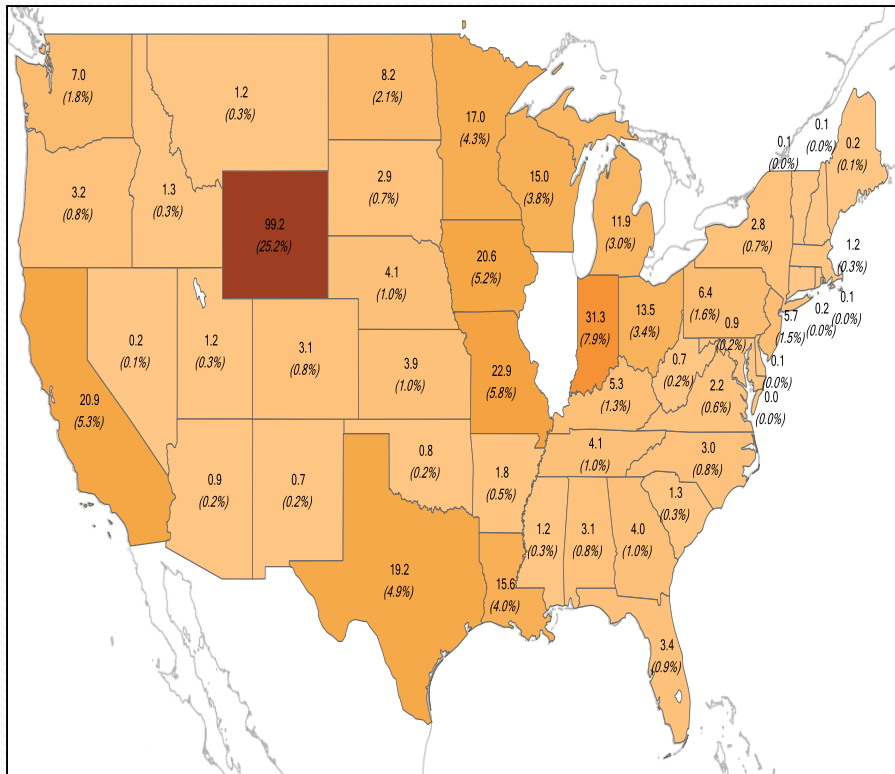


Value 2014 (USD)

State Freight Flows (Tons)

Millions of Tons Inbound

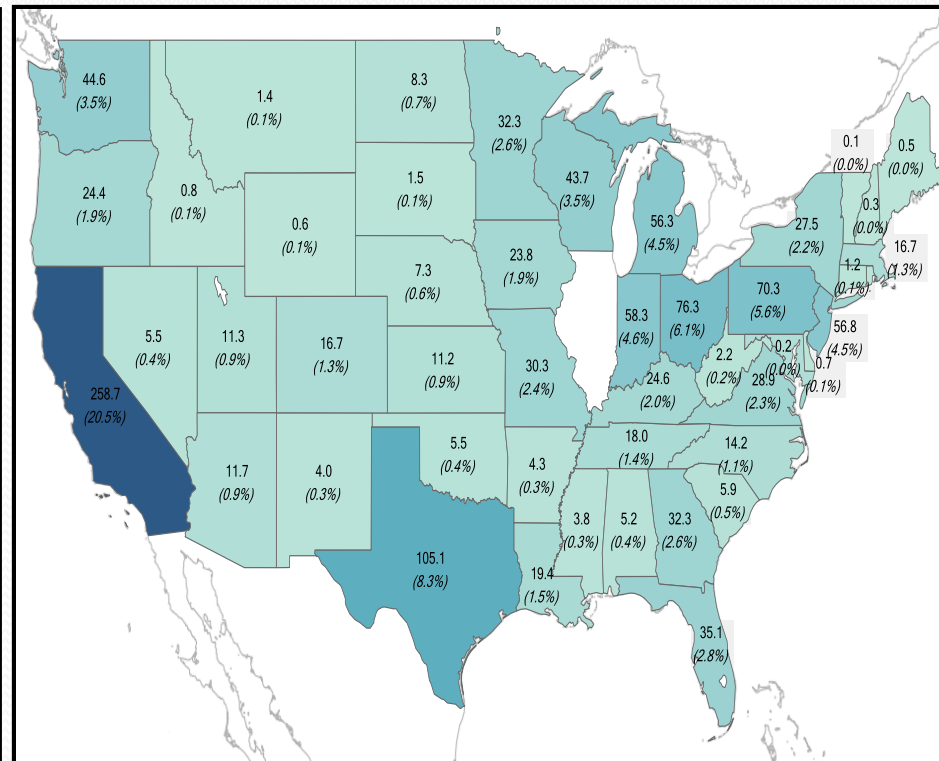
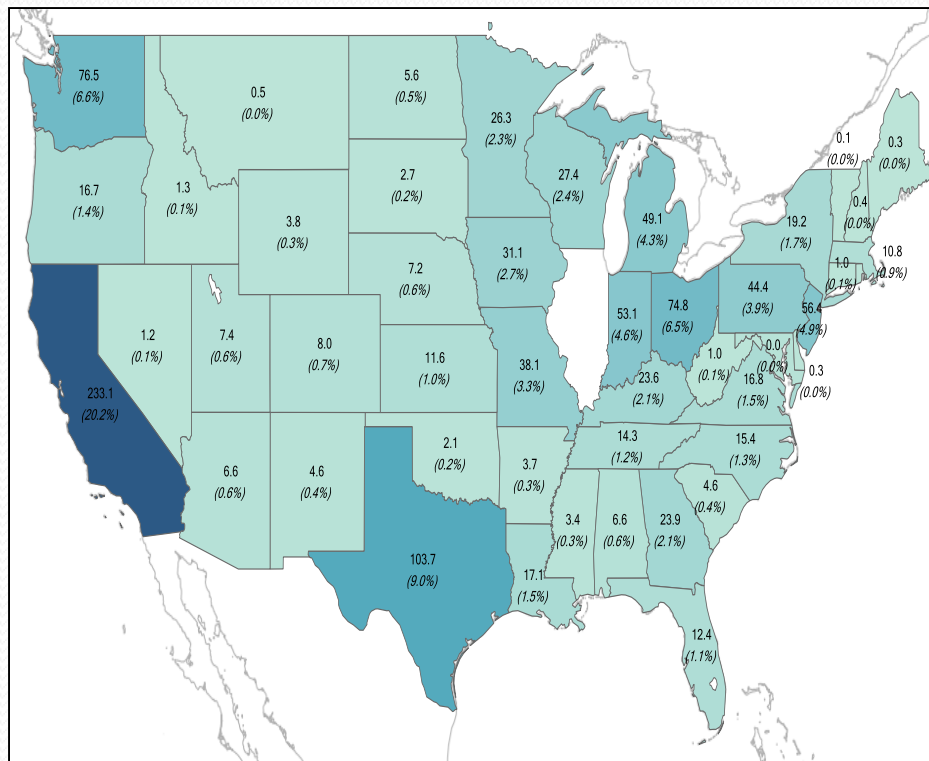
Millions of Tons Outbound



State Freight Flows (Value)

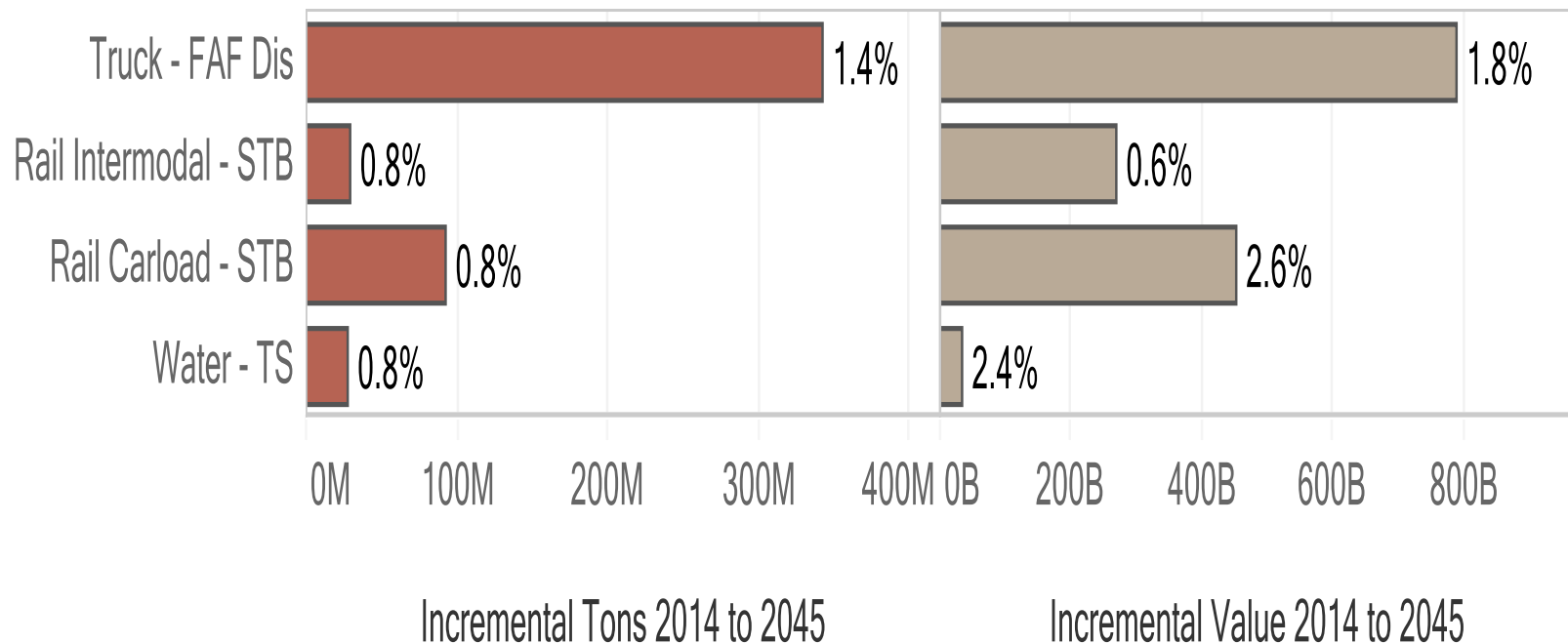
Billions of Dollars Inbound

Billions of Dollars Outbound



2014 to 2045

Projected Annual Growth Rates



2014 to 2045 Projected Growth

Tons

- 40% Total Increase to 1.72Billion tons
- 340M of 490M additional tons projected to be Truck
- Equates to 70% Truck Increase

Value

- 56% Total Increase \$4.34T
- \$792B of \$1.55T are projected to be moved by Truck
- Equates to 51% Truck Increase

Truck Pass-Through Analysis in Vehicle Miles Traveled (VMT)

Grand Total Trucks, Illinois-Based & Through	
Year	Truck VMT
2014	27,824,439
2045	50,498,350
All Trucks Nationally that Travel Through Illinois	
Year	Truck VMT
2014	10,484,718
2045	21,947,399
Percentage Through	
2014	38%
2045	43%

Coordinated Planning Process

Freight Plan is being developed in conjunction with the 2017 Long Range Transportation Plan (LRTP)

Individual components of the LRTP include:

- Freight Plan
- Rail Plan
- Asset Management Plan

Trends

Infrastructure

- Roadway/Bridges – Backlog increasing

- Rail - \$17.5 B in long term needs

- Ports/Waterways – 8th in US in waterborne transport

- Air – High Value - 4.2% State GDP

Workforce Trends

- Back to 2007 employment levels

- Good wage growth

- 48% related to Truck Transportation

Trends

Emerging

Connected and Autonomous Vehicles

Truck Platooning

Intermodal rail – Growth market

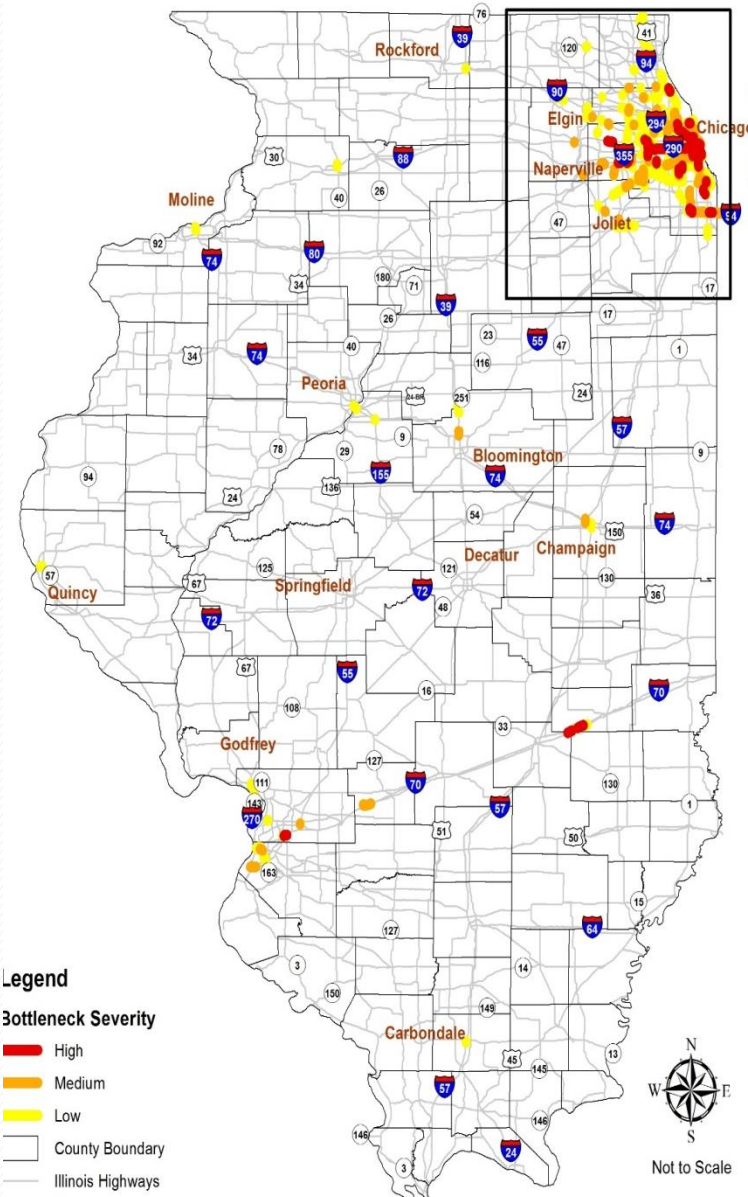
Warehouse Location and Automation

Retail Home Delivery

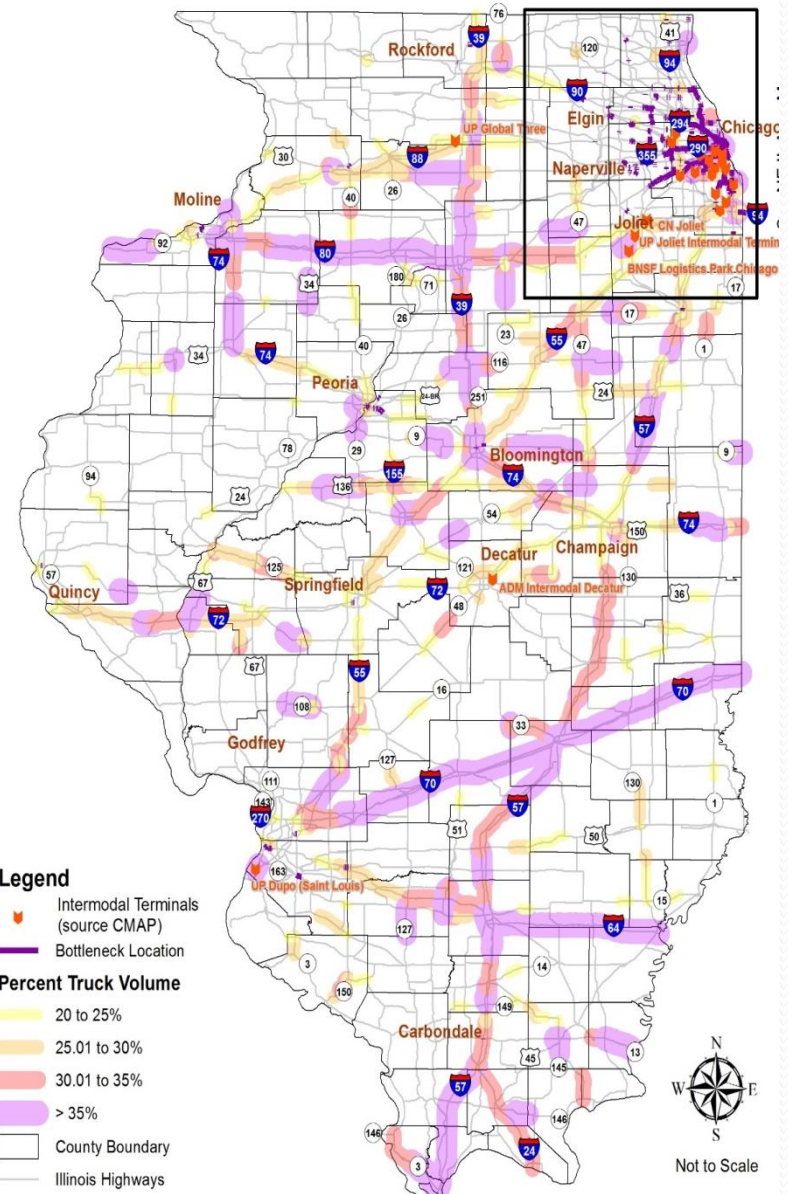
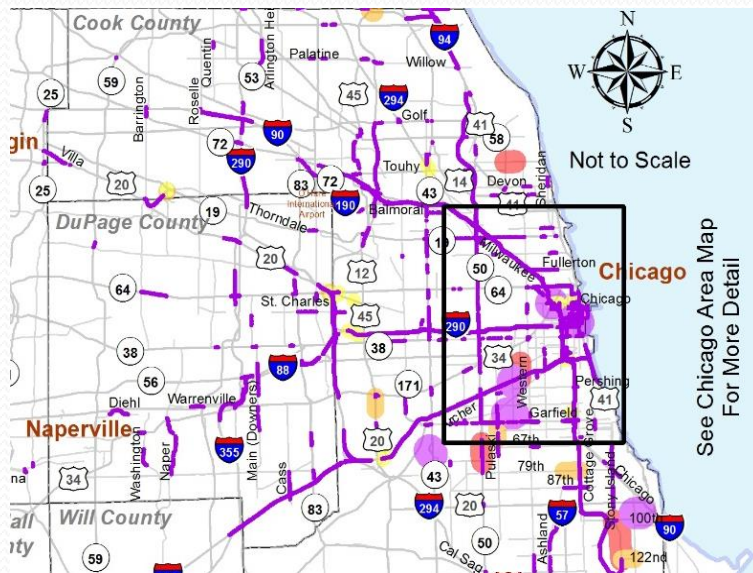
Supply Chain

3D Printing

Bottlenecks



Bottlenecks



Freight Plan Elements

Strategies

- Institutional
- Network development
- Economic Development Strategies

Goals and Performance Measures

- National, State and Long Range Goals
- Improve Safety
- Improve Efficiency
- Grow the Economy
- Preserve Existing Infrastructure
- Expand Infrastructure Strategically
- Support Multi-Modal Distribution

Freight Investment Plan

Competitive Program Under Development

- \$45M/Year Average
- No more than 10%/Year for Intermodal or Rail projects
- Anticipate launch 1st half of 2018

Goals:

- Bottleneck Reduction
- Freight Related Safety
- Intermodal Connections
- Technology Deployment

Freight Plan feedback

http://www.idot.illinois.gov/home/freight_plan_feedback

Send comments to:

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