



Freight Work Group

May 1, 2017

9:30 am – 11:30 am

AGENDA

- **Welcome and Introductions**
- **Background & Connecting Cook County**
- **Plan Overview**
- **Stakeholder Involvement**
- **Existing Conditions & Context**
- **Discussion and Next Steps**





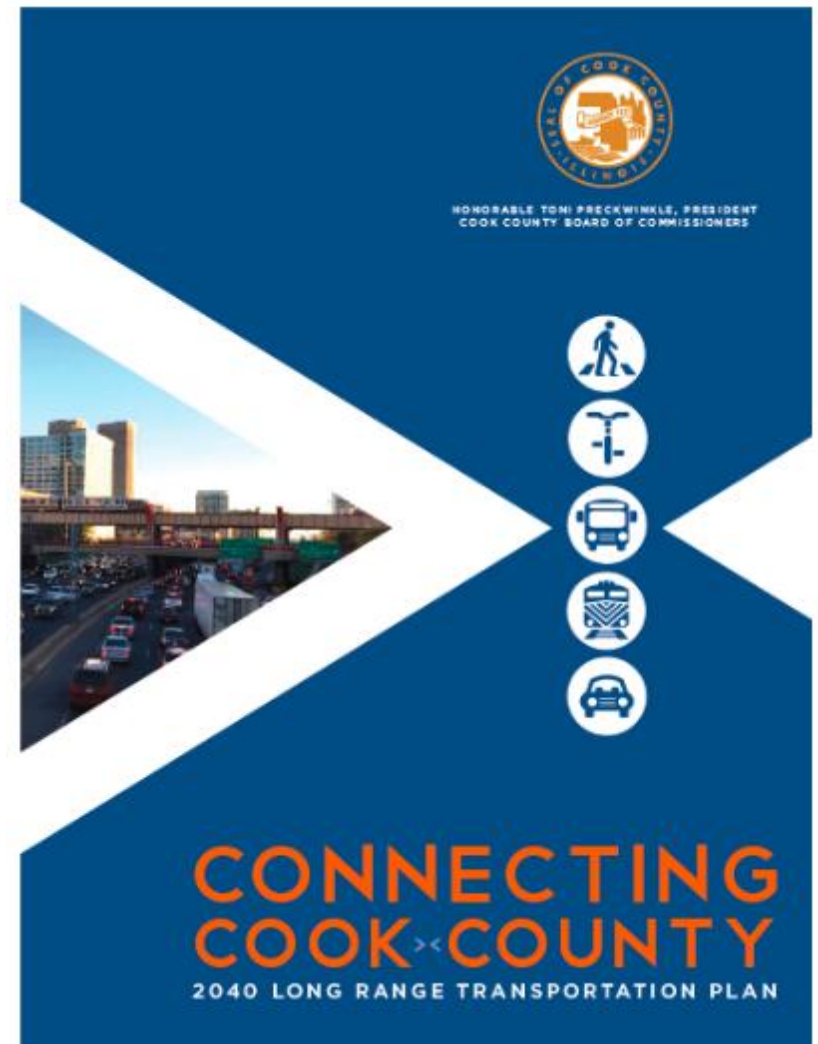
CONNECTING COOK COUNTY

WWW.CONNECTINGCOOKCOUNTY.ORG

CONNECTING COOK COUNTY

- Launched Plan in 2013
- Investigated Existing Conditions
- Compiled Needs and Set Goals
- Involved the Public
- Consulted with Experts & Leaders
- Created the Final Plan

Approved by Cook County Board on August 2016



THE PRIORITIES

- Prioritize Transit and Other Transportation Alternatives
- **Support the Region's Role as North America's Freight Capital**
- Promote Equal Access to Opportunities
- Maintain and Modernize What Already Exists
- Increase Investments in Transportation



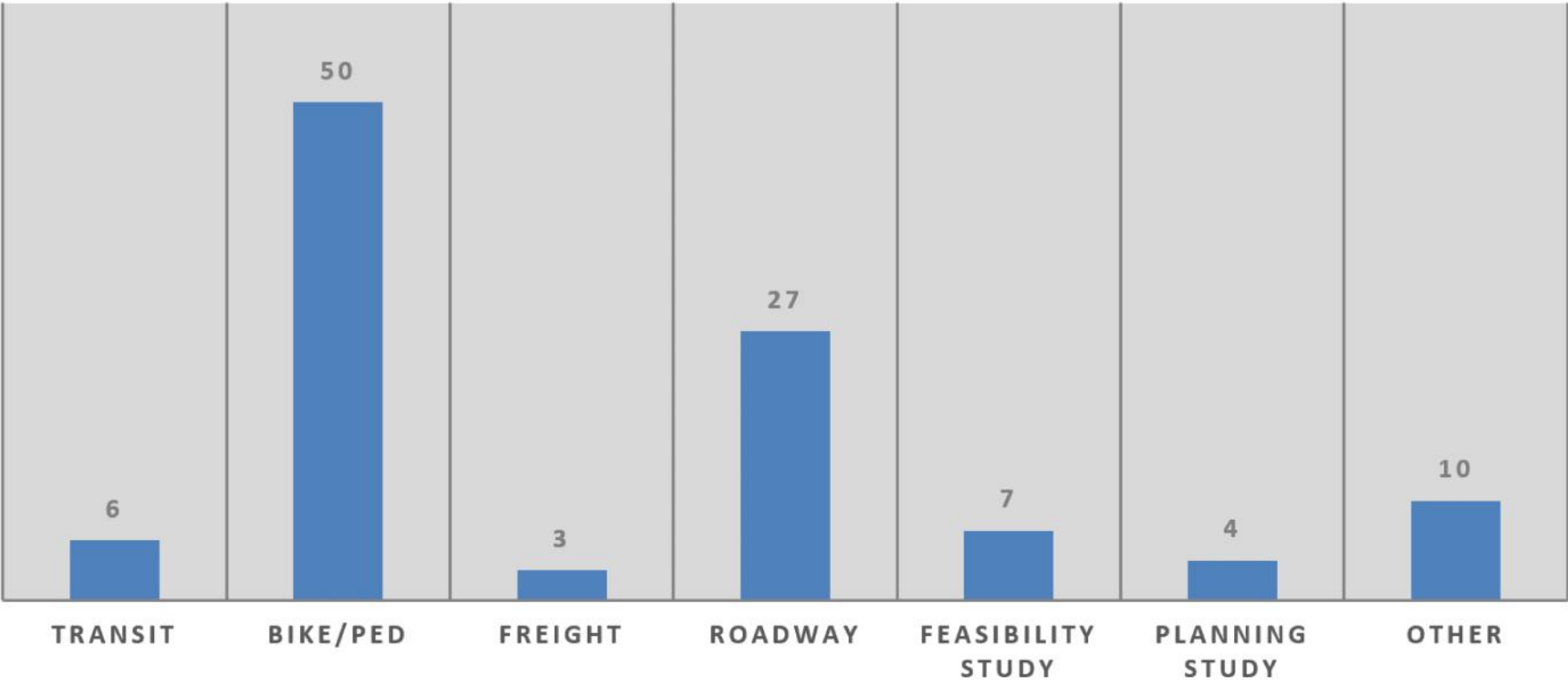
INVEST IN COOK

- **\$8.5 million available for transportation-related projects including bicycle, pedestrian, and freight**
- **Projects consistent with priorities in *Connecting Cook County***
- **Local governments, transit agencies, and private partners eligible**
- **106 applications received**
- **Request for \$40+ million**
- **Anticipated July selection announcement**



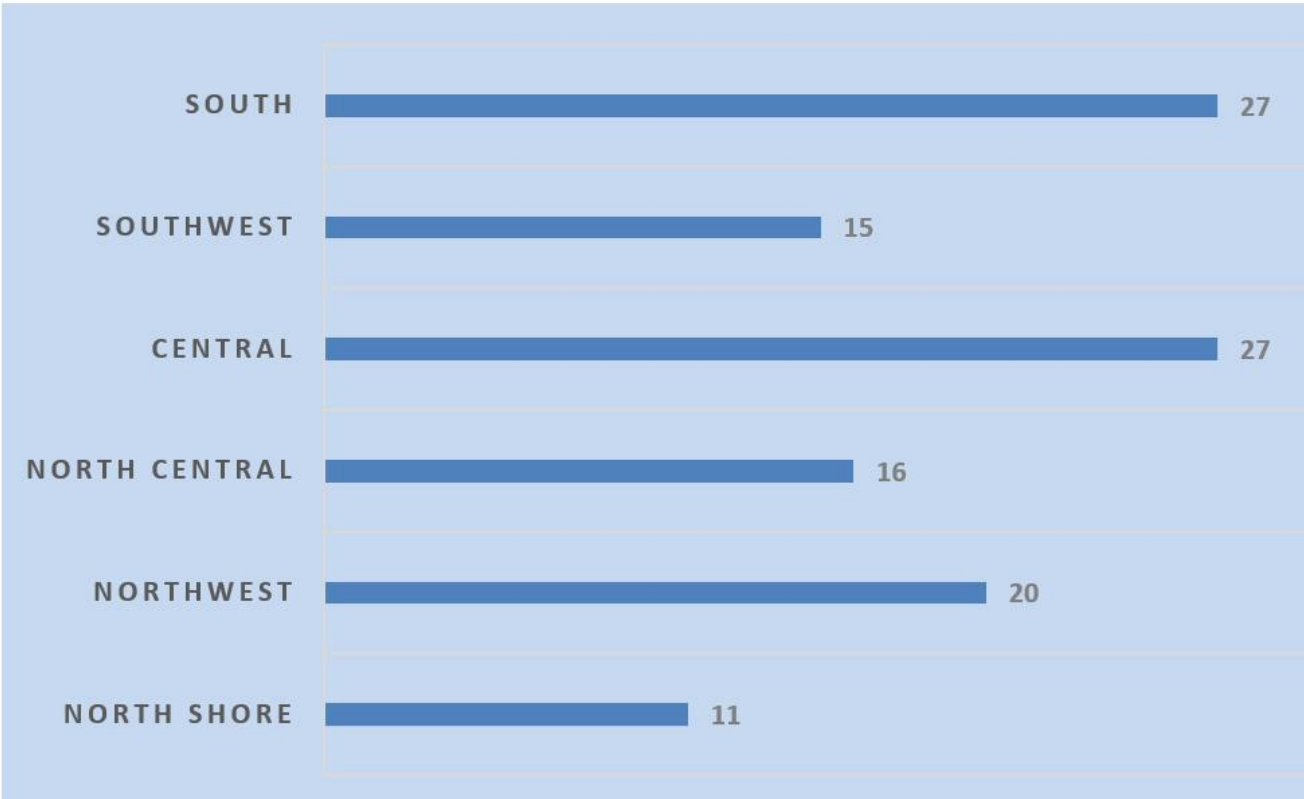
INVEST IN COOK

BREAKDOWN OF PROJECTS BY PROJECT TYPE



INVEST IN COOK

NUMBER OF PROJECTS SUBMITTED BY MAYORAL COUNCIL



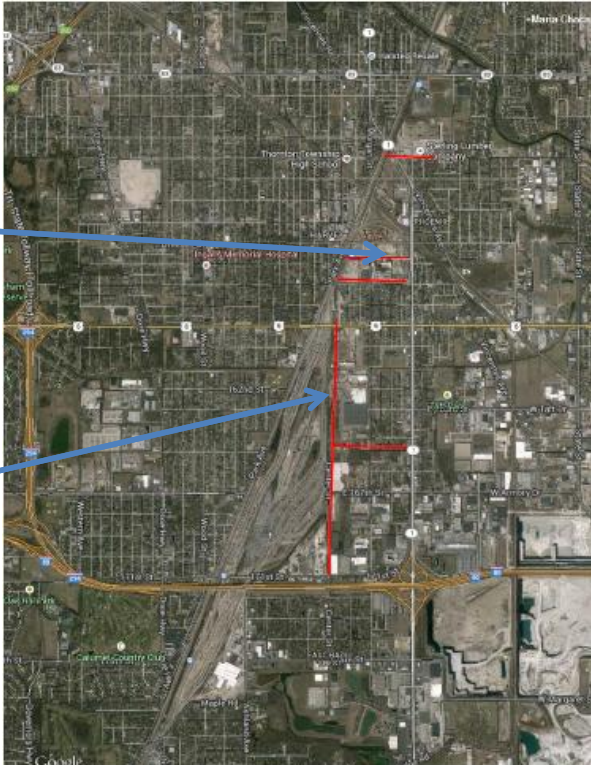
NEED FOR FREIGHT INVESTMENT



Touhy Avenue Multi-Modal Safety and Capacity Improvement Project



FREIGHT CAPITAL



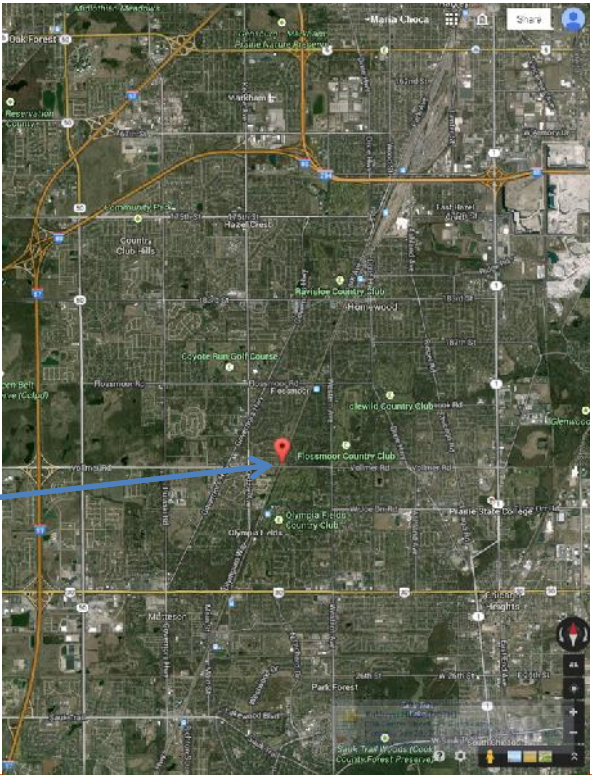
South Suburban Industrial Truck Routes



FREIGHT CAPITAL



Trucking Bottleneck



Vollmer Road Viaduct Clearance



FREIGHT CAPITAL



75th Street Corridor Improvement Project



EQUAL ACCESS



South Suburban Truck Routes





Freight Plan Overview

DOTH PROJECT TEAM

Department of Transportation and Highways (DOTH)

- **John Yonan, P.E.**
 - Superintendent
- **Sis Killen, P.E.**
 - Assistant Superintendent
- **Maria Choca Urban**
 - Director of Strategic Planning and Policy
- **Tomohiko Music**
 - Transportation Planner



CONSULTANT PROJECT TEAM

- **Cambridge Systematics**
 - Erik Cempel, Elaine McKenzie



- **Metro Strategies**
 - Laura Wilkison, Seema Wadia



- **AECOM**
 - Dan Meyers, Jim Meyer



- **Center for Neighborhood Technology (CNT)**
 - David Chandler

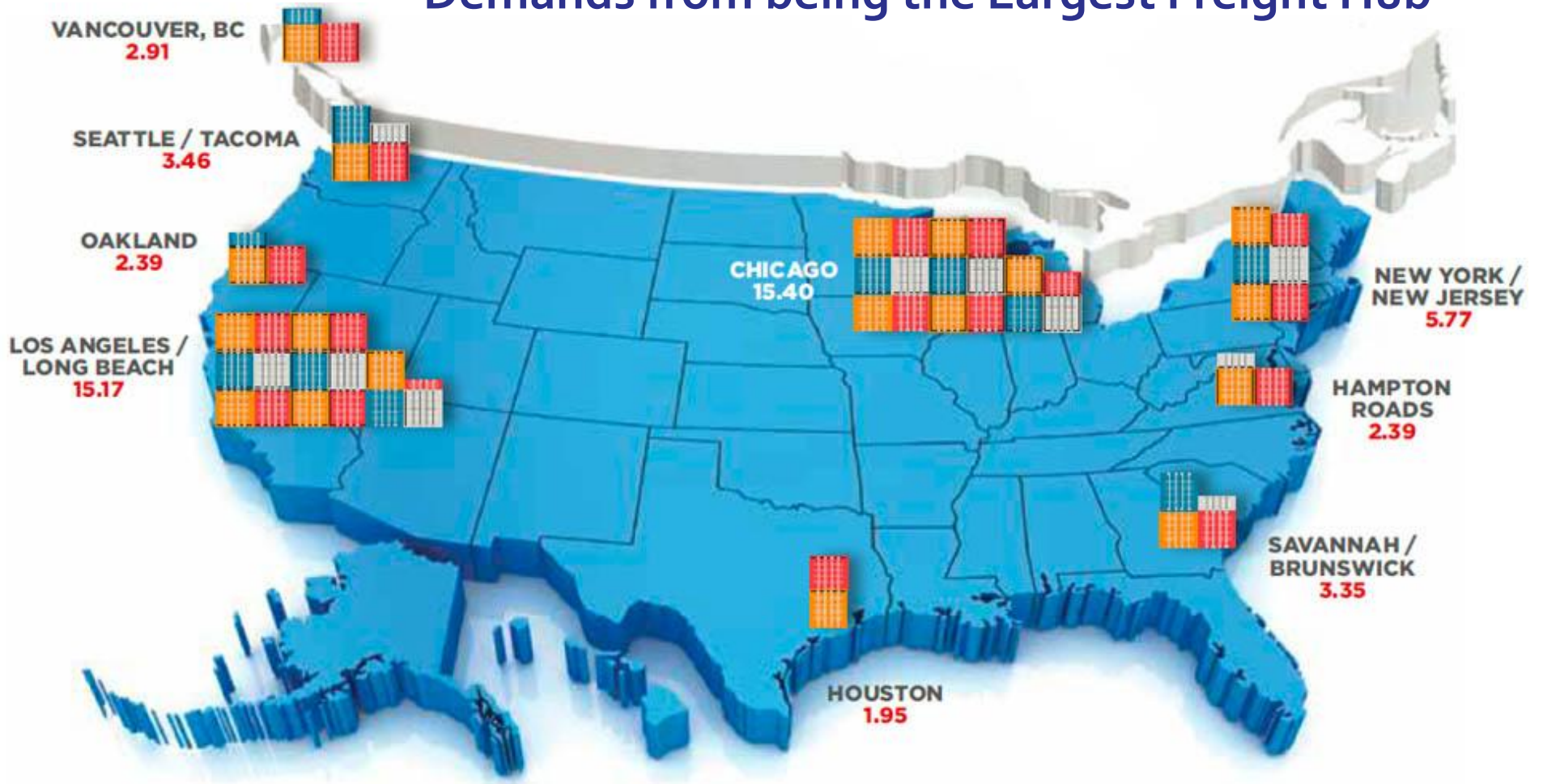


- **Economic Development Research Group**
 - Paul Bingham

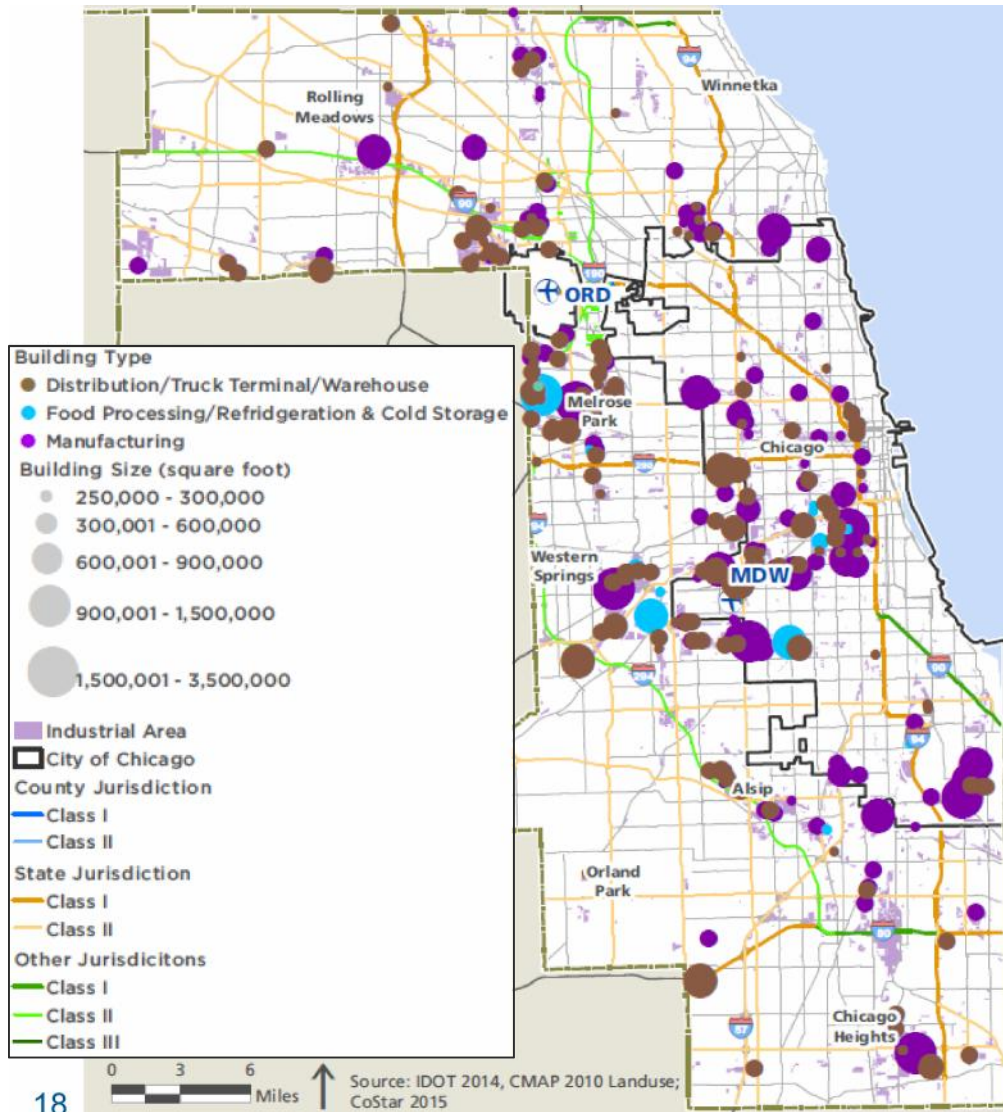


CONNECTING GLOBAL MARKETS...

Demands from being the Largest Freight Hub



... TO LOCAL BUSINESSES



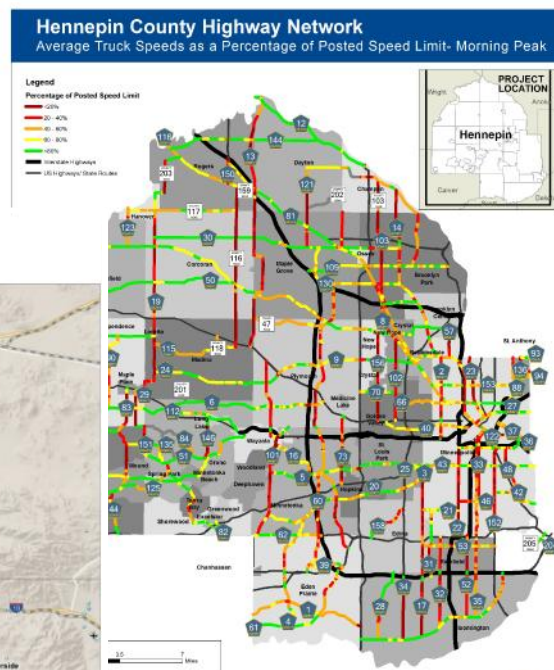
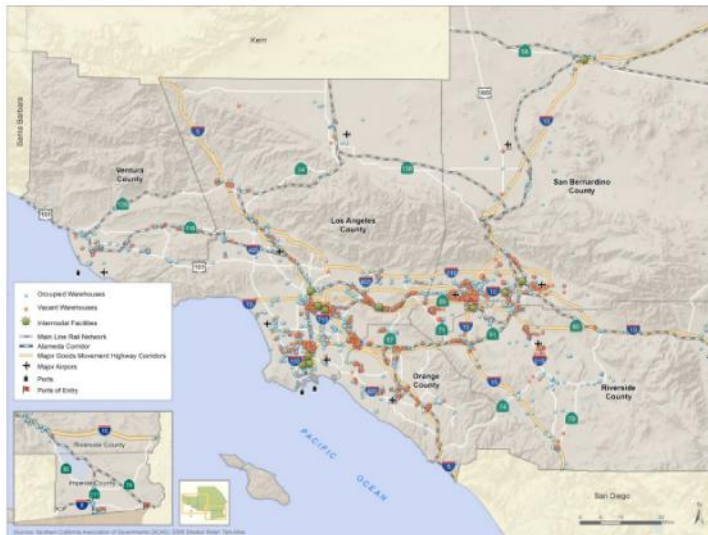
- The freight system connects Cook County's industries to business and customers worldwide
- First/last mile connections are critical



COUNTY FREIGHT PLANNING

- Counties are increasingly planning for freight

Los Angeles County Strategic Goods Movement Arterial Plan



County Freight Study
Date: 08/10/2016
300 Works

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Hennepin County Public Works

The cover of the Alameda County Goods Movement Plan features a stack of colorful shipping containers (orange, red, blue, and grey) against a blue sky background. The title "Alameda County Goods Movement Plan" is prominently displayed in white and green text. The Alameda County Transportation Commission logo is visible in the upper right corner. The date "February 2016" is printed at the bottom right.

The Cook County Freight Plan logo consists of a central circle containing icons for a train, a bus, a person, a house, and a factory. To the right of the circle, the text reads "CONNECTING COOK COUNTY FREIGHT PLAN".

PROJECT UNDERSTANDING

- Philosophy that led CREATE Program
- Develop similar programs from truck and land use perspective
- Revitalize and re-use what we have
- Acknowledge technological developments
- Coordinate on existing freight planning efforts with IDOT, CMAP, and Will County



PROJECT UNDERSTANDING

- **Cook County's freight system is a lynchpin of the economy, moving goods between producers and consumers**
 - National and regional connections through highways, waterways, railways, and airports.
 - Local and last-mile connections through State, County and local roadway systems.
 - Focus on surface transportation; waterways and airports considered to extent they generate road, railway traffic
- **Cook County should position itself to identify needs and advocate for freight-related opportunities and projects**
 - At the County level
 - Incorporated within IDOT's and CMAP's freight planning efforts
 - Grant funding opportunities (FASTLANE, TIGER)



PROJECT TIMELINE





Stakeholder Involvement

STAKEHOLDER INVOLVEMENT

- **Advisory Committee**
 - Meet at key milestones (3 times)
 - Provide overall guidance/input on goals, outcomes and recommendations

- **Work Groups**
 - Manufacturing
 - Freight operators

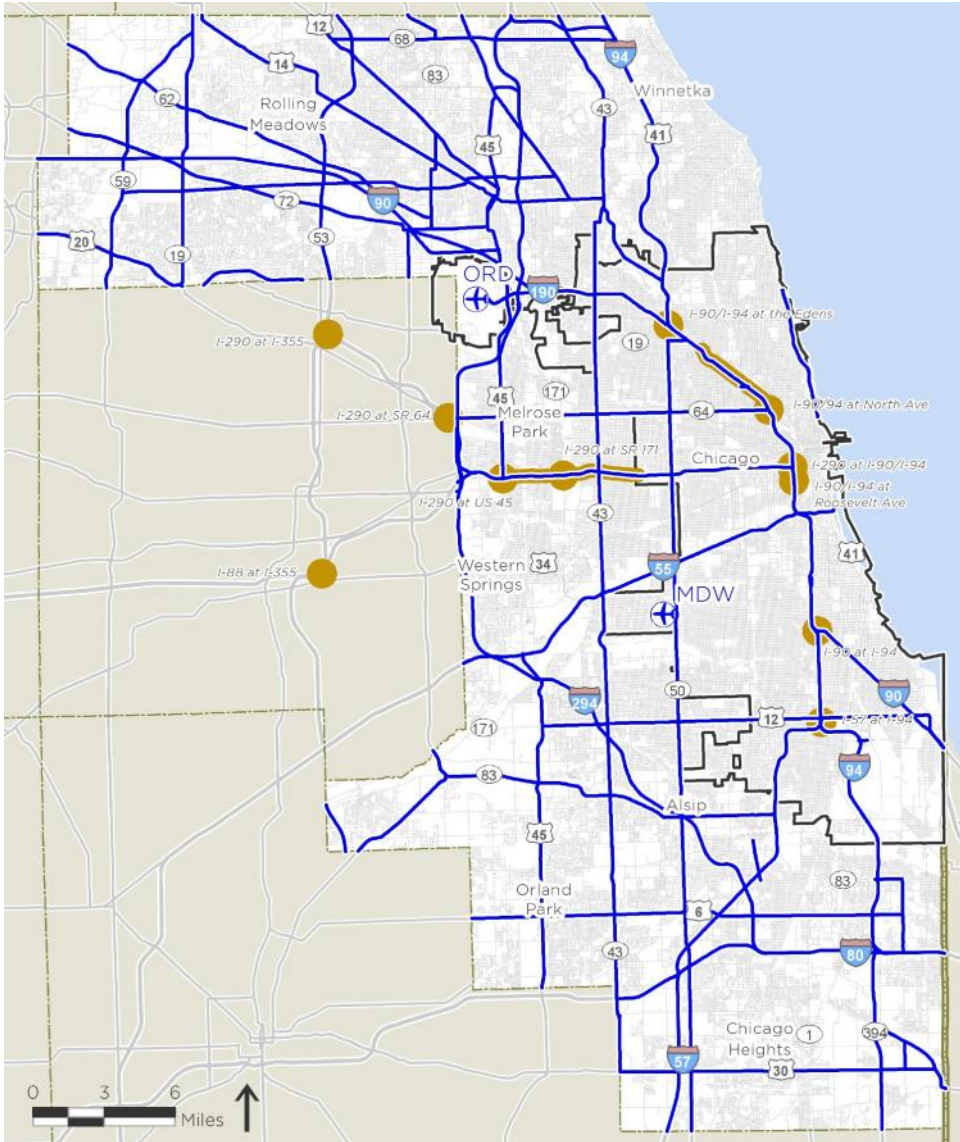
- **One-on-One Interviews**
 - Industrial development sector
 - Key freight corridor communities





Existing Conditions & Context

TRUCK TRAFFIC

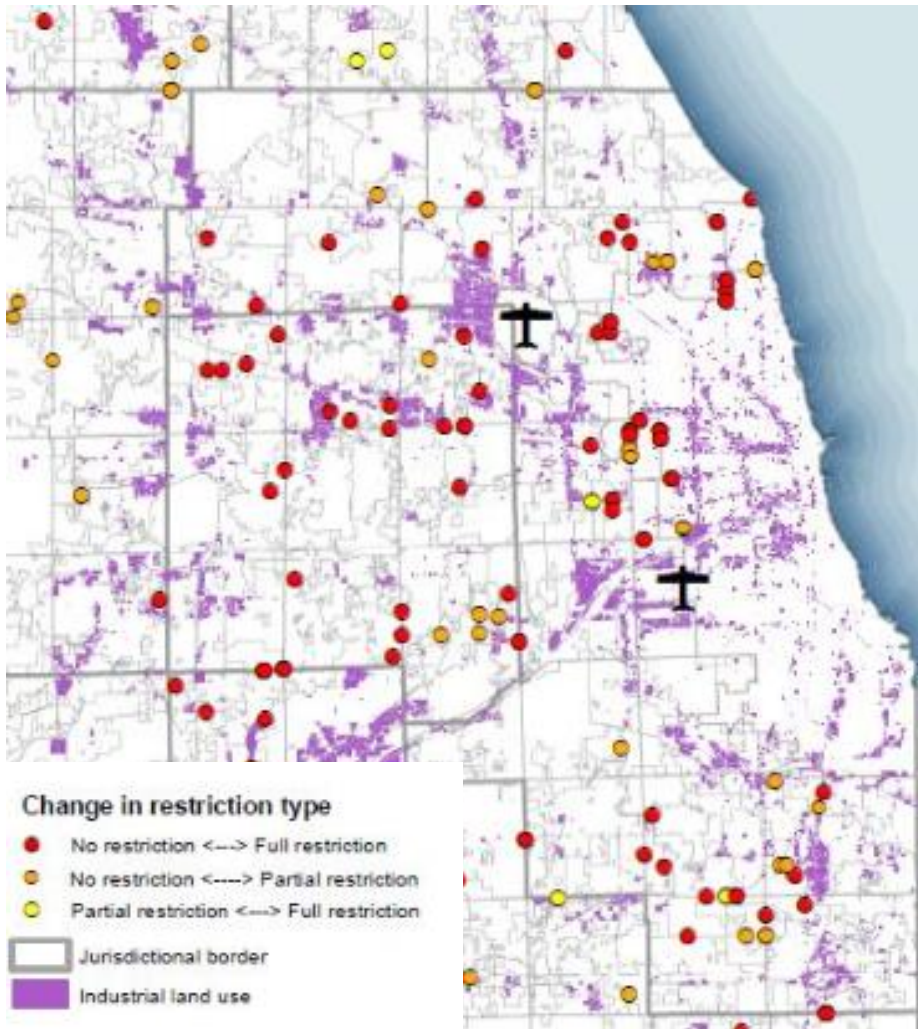


Extensive Highway and Truck Route Network

70% of Freight Moves by Truck in the Chicago Region, Creating 11 of the Top 20 Bottlenecks in the Midwest



TRUCK RESTRICTIONS



Truck Routes and Restrictions

- Local governments and IDOT designate truck routes
- Local governments can place restrictions based on vehicle type, weight, and dimensions
- Currently many inconsistencies at borders
- Driver's responsibility to verify; often take alternate routes and diversions



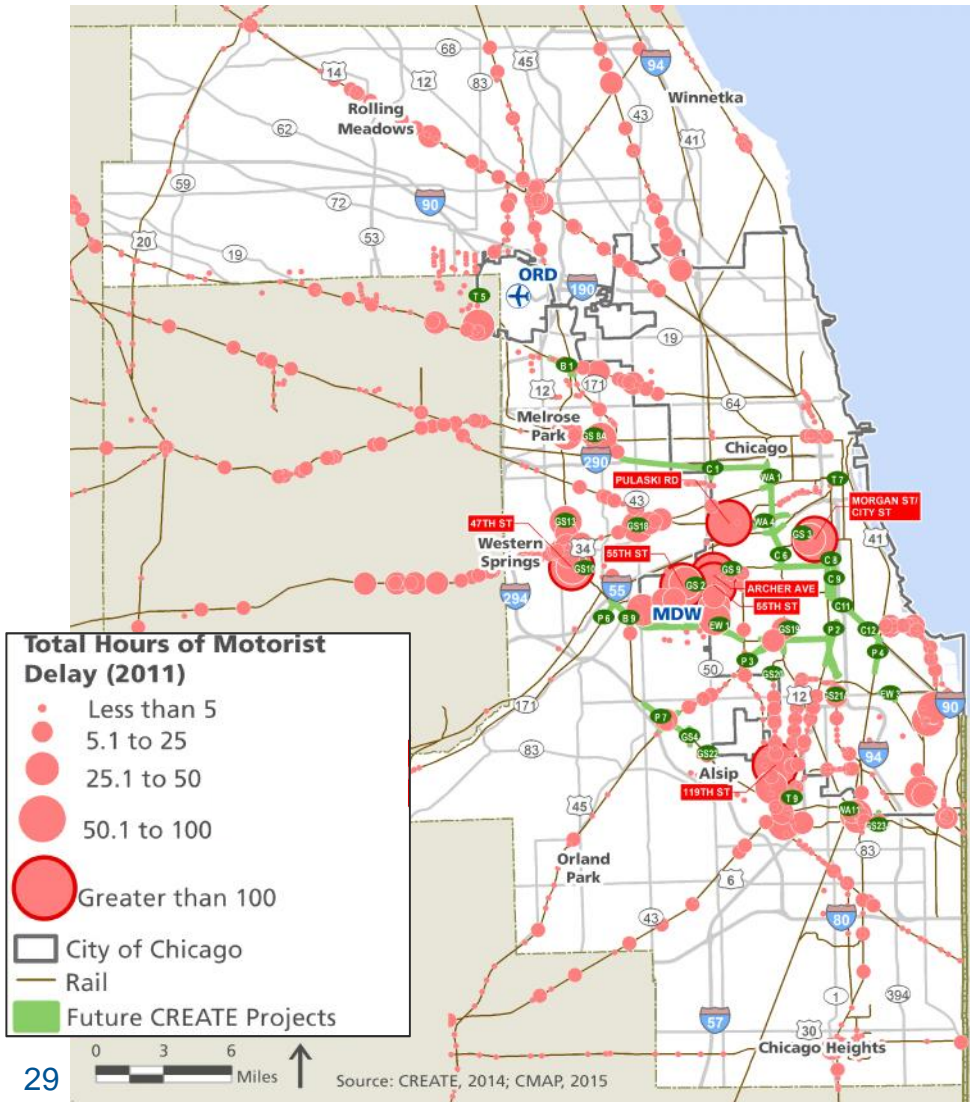
FREIGHT / PASSENGER RAIL

Chicago Region

- 500 freight trains per day
- 760 passenger trains per day
- 37,500 total railcars
- 50+ freight rail yards
- 40% of the region's track-miles are shared by both passenger and freight trains.
- 7 of 11 Metra lines share track with freight rail



AT-GRADE RAIL DELAY



■ Total Rail Crossings

- Region = 1,362
- Cook = 724
(53% of region)

■ Total Rail Delay

- Region = 7,790
- Cook = 6,083
(78% of region)

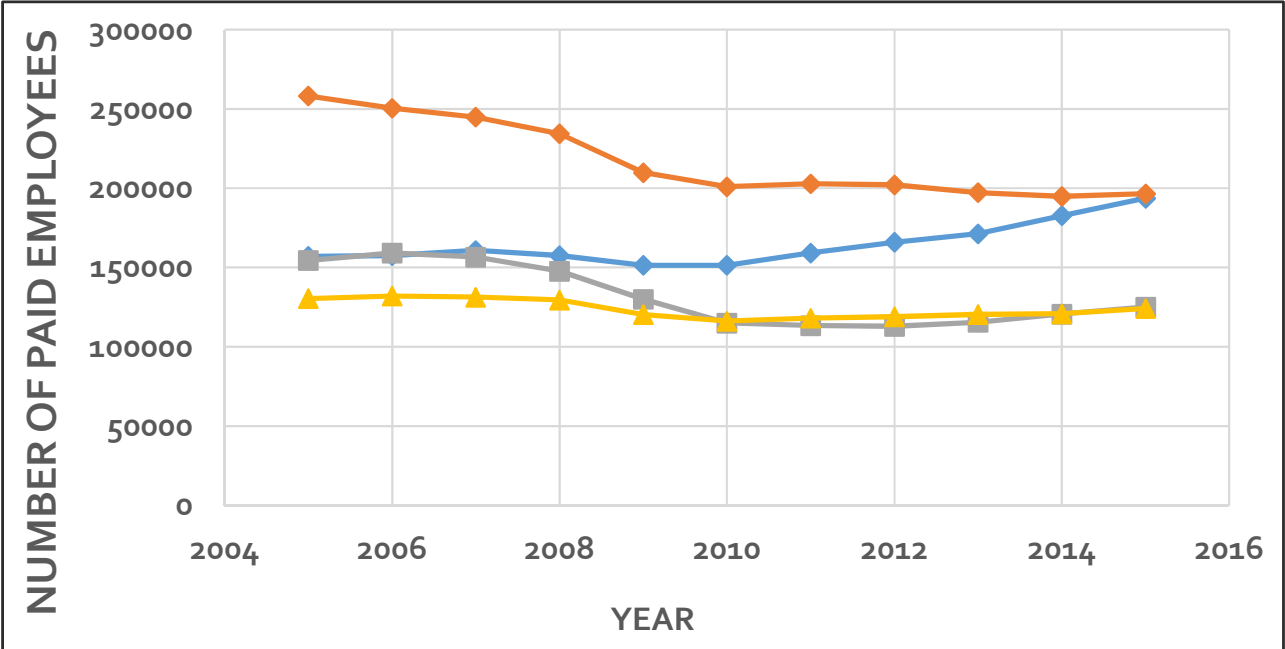
*Motorist delay disproportionately affects South and West Cook County



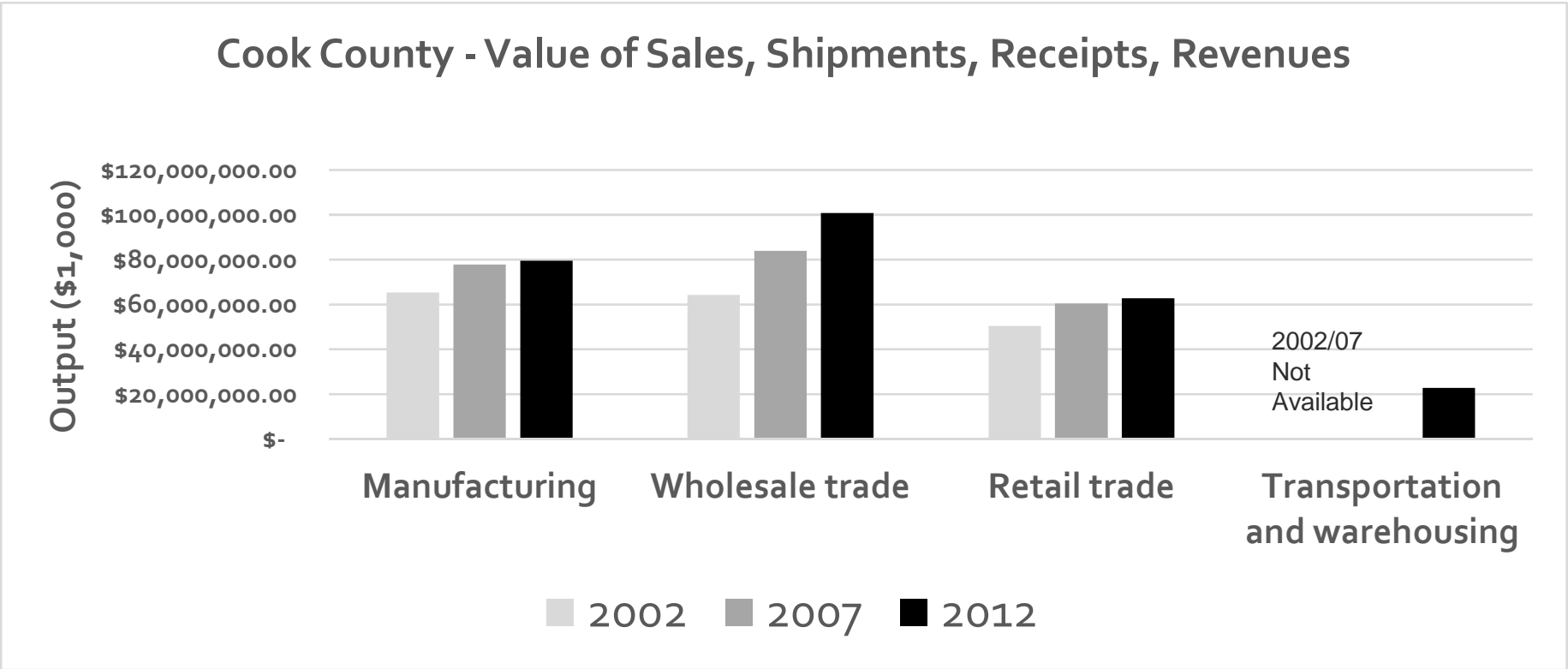
EMPLOYMENT TRENDS

- ◆ Transportation and Warehousing **+23%**
- ◆ Manufacturing **-24%**
- Construction **-19%**
- ▲ Wholesale Trade **-5%**

COOK COUNTY EMPLOYMENT 2005-2015



OUTPUT TRENDS



INDUSTRY TRENDS

- **Location quotient (LQ) analysis can help identify regional industry strengths**
- **Compares local employment concentration in industries compared to the national average**
 - >1 indicates greater than average concentration
 - <1 indicates lower than average concentration
 - A declining LQ does NOT necessarily indicate declining employment
- **Analysis conducted for 2005 - 2015**



INDUSTRY TRENDS

Highly concentrated and increasing

Average concentration but increasing

Highly concentrated but trending towards national average

Industry	2015 Location Quotient (LQ)	2005-2015 LQ Change	2015 Employment
Paper manufacturing	1.38	3.50%	9,313
Truck transportation	1.09	2.80%	28,494
Support activities for transportation	1.28	16.90%	16,770
Primary metal manufacturing	0.93	6.80%	6,598
Apparel manufacturing	0.98	51.60%	2,409
Electrical equipment and appliance manufacturing	1.61	-6.30%	11,117
Food manufacturing	1.14	-8.80%	31,270
Fabricated metal product manufacturing	1.17	-24.00%	31,010
Warehousing and storage	1.6	-33.30%	16,107





Discussion

PART I – MOVING GOODS: YOUR BUSINESS'S PERSPECTIVE

Department of Transportation and Highways

1. What types of customers does your business serve? Which types of customers are growing (shipping more freight) or declining (shipping less freight)?
2. How have your customer's needs evolved in the last 1-5 years, e.g., types of services required, geography, supply chains, technology, warehousing/delivery needs?
3. Why Cook County? What are the economic reasons for locating here?



PART II – NEEDS OF THE COOK COUNTY FREIGHT SYSTEM

Department of Transportation and Highways

- 1. Where are the key corridors that your company uses? Are there access, bottlenecks, chokepoints, lack of connections, infrastructure deficiencies or other issues? Are there other constraints that limit the ability to move goods within and through the County?**
- 2. What are two or three critical freight system needs/issues in Cook County that should be emphasized in this plan?**
- 3. Are there policy or regulatory issues (federal, state, or local) that hinder freight transportation?**



PART III – FUTURE OPPORTUNITIES AND CHALLENGES

Department of Transportation and Highways

1. What do you see as the biggest opportunities/challenges for your business in Cook County in the next 1/5/10 years? How does the County's freight system fit in?
2. How do you anticipate you or your customers' transportation related needs to change, e.g., types of industry, geography, supply chains?
3. How will technology change your business in the next 1/5/10 years?
4. What outcome from the Cook County freight plan would constitute a "win"?





Report Back

NEXT STEPS

- Review and Incorporate Work Group Feedback
- Hold Manufacturing Work Group Meeting
- Anticipated Fall 2017 – 2nd Work Group Meetings
- Check website for additional updates

Connectingcookcounty.org





THANK YOU

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