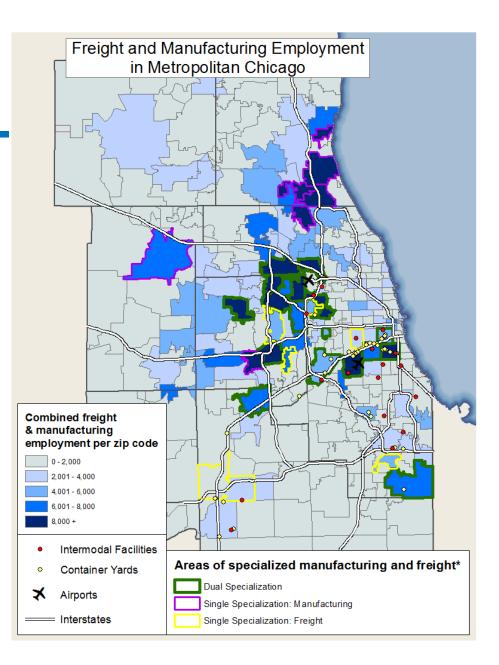
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EOWA Local Advisory Committee O'Hare Subregional Freight-Manufacturing Drill-Down April 14, 2014

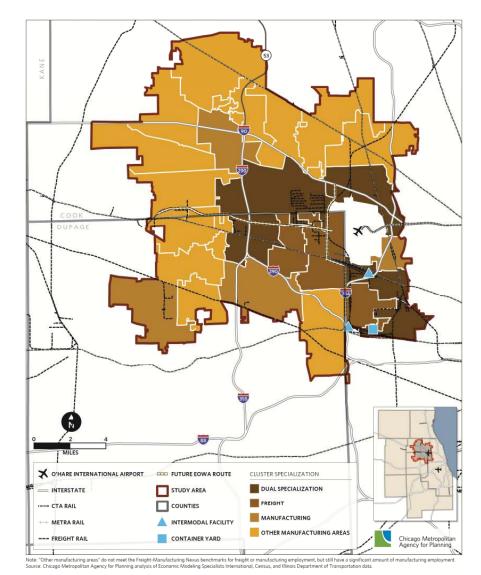
Background

- Build on the freightmanufacturing nexus report recommendations
- Assess local influences on the success of the freight and manufacturing cluster in the O'Hare subregion:
 - Workforce trends
 - Infrastructure networks
 - Planning initiatives & land use trends

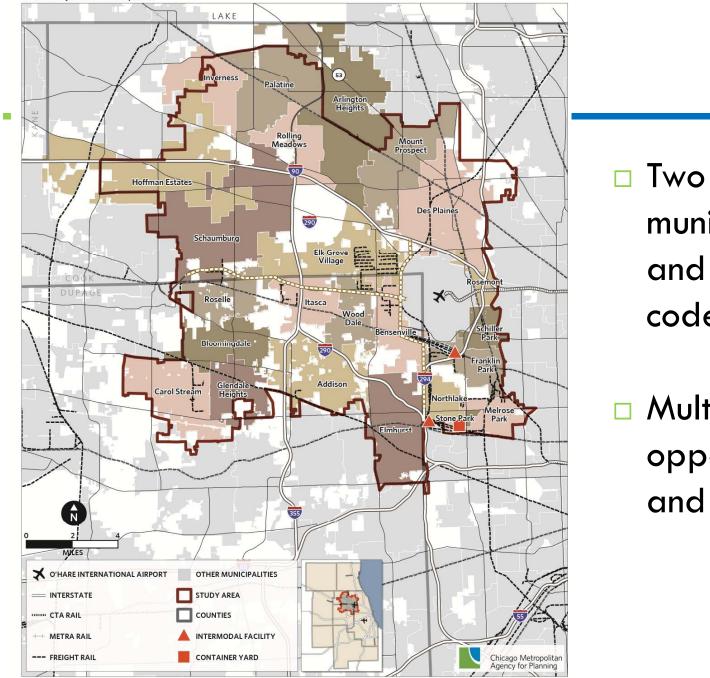


The O'Hare subregion is a regional node for freight and manufacturing

- High specialization of freight and/or manufacturing is closest to O'Hare
- Manufacturing activity is distributed throughout the subregion
- Specialization defined by:
 - Total cluster employment
 - Proportion of employment in freight or manufacturing







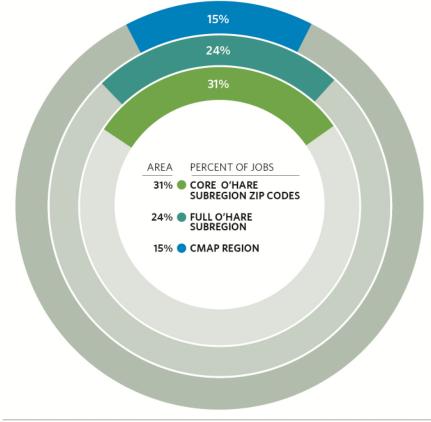
Two counties, 24
 municipalities,
 and 26 zip
 codes

 Multijurisdictional opportunities and challenges

Note: The study area boundary is based on zip codes due to the availability of economic data. Municipalities are shown for reference. Source: Chicago Metropolitan Agency for Planning analysis of Economic Modeling Specialists International, Census, and Illinois Department of Transportation data

The subregion's freight/manufacturing cluster

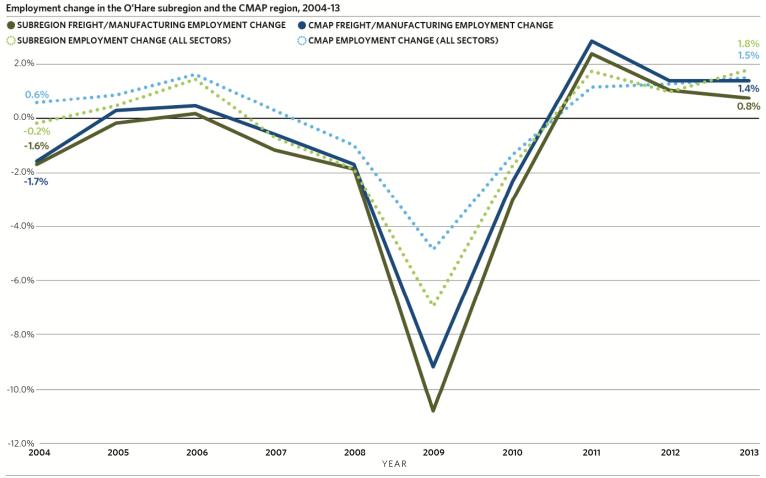
- 131,000 total jobs
- Freight cluster has grown
 8.6% since 2003
- Manufacturing cluster has declined 16.3% since 2003, but has grown 3.6% since 2010



Freight-manufacturing job concentration

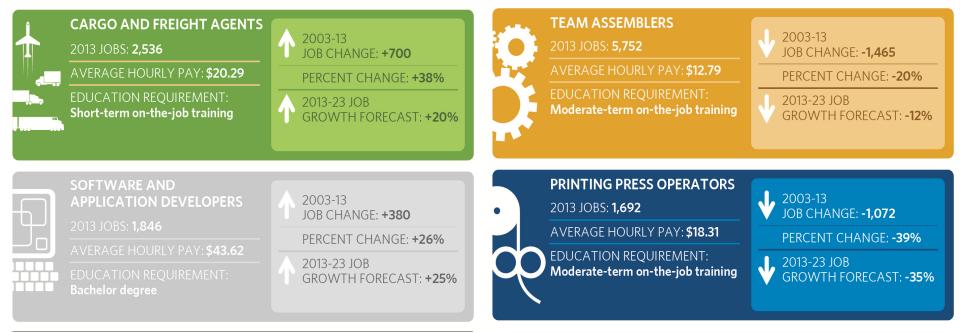
Source: Chicago Metropolitan Agency for Planning (CMAP) analysis of Economic Modeling Specialists International (EMSI) data.

Subregion freight and manufacturing employment on the rise again, but lagging the region



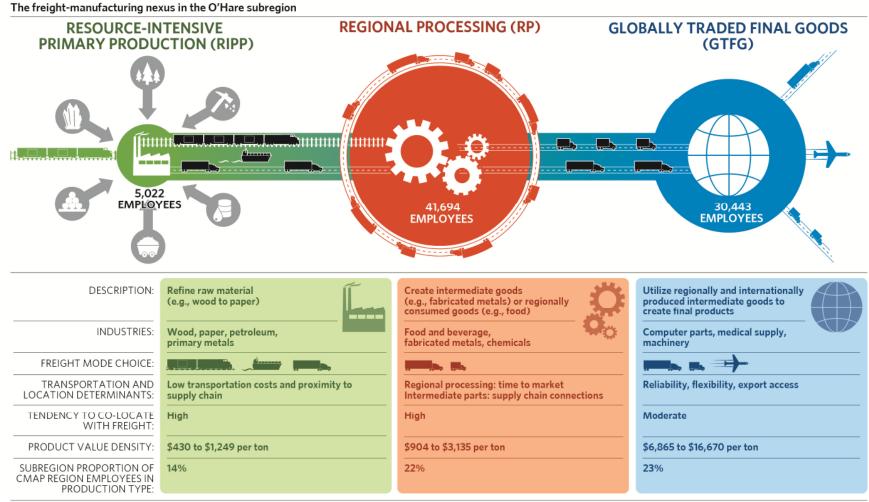
Source: Chicago Metropolitan Agency for Planning (CMAP) analysis of Economic Modeling Specialists International (EMSI) data.

Freight-manufacturing jobs requiring higher education levels have been more resilient



Source: Economic Modelling Specialists International.

The freight-manufacturing nexus: freight mode choices among manufacturers

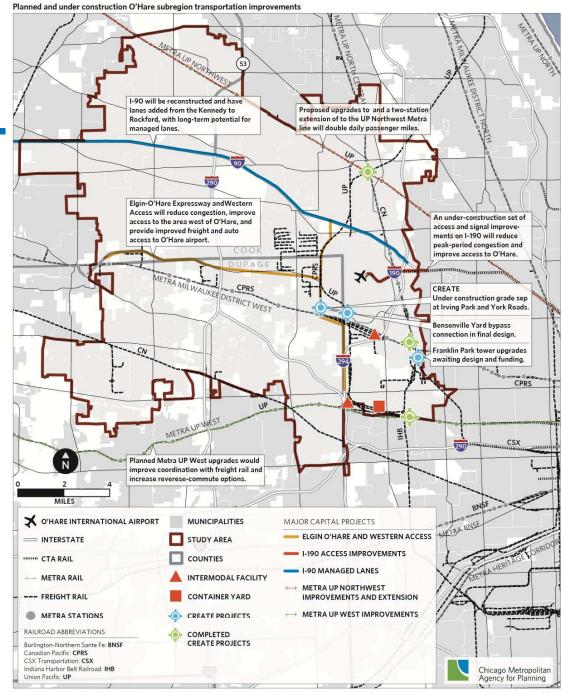


Source: Chicago Metropolitan Agency for Planning analysis of Economic Modeling Specialists International and Wial et al. "Why Does Manufacturing Matter?," 2012.

Opportunity from Planned Transportation Improvements

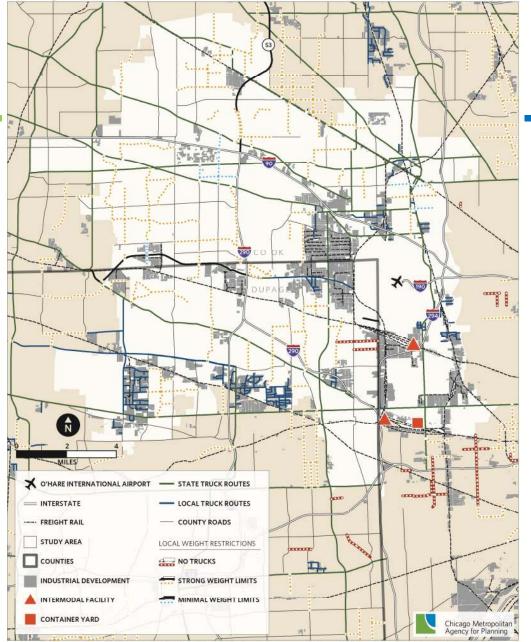
> Improvements should reduce congestion for freight and auto movements

Some local
 improvements
 face planning
 and funding
 challenges



Source: Chicago Metropolitan Agency for Planning analysis of Illinois Department of Transportation, Tollway, Metra, and CREATE project data, 2014.

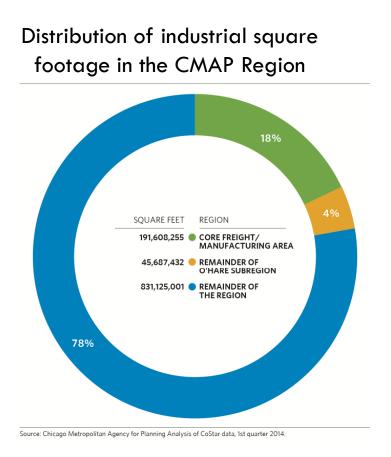
O'Hare subregion local truck routes and restrictions



In Illinois, roads are assumed to carry 80,000 lbs (the weight of a fully-loaded semi truck) unless they have signage restricting weight. Many county roads are not designated truck routes, and con carry trucks, although they may have some level of dimension or weight restrictions. CMAP categorized local government data on weight restrictions into three categorized acada listed as no trucks or allowing less then 5,000 lbs were categorized as "No Trucks," Roads allowing weights from 5,000-60,000 lbs were categorized as "Strong Weight Limits." Roads allowing from 60,000 to 78,000 lbs were categorized as "Minimal Weight Limits." Overweight trucks would be required to obtain permits from affected jurisdictions. Source: Chicage Metropolitan Agency for Planning staff analysis of municipal and county codes, Illinois Department of Transportation data, and Google Earth data. Multijurisdictional Infrastructure Needs

- Truck routing is inconsistent and fragmented
- Local road
 conditions are
 strongly affected by
 truck freight
- Consistent flooding and drainage issues impact businesses

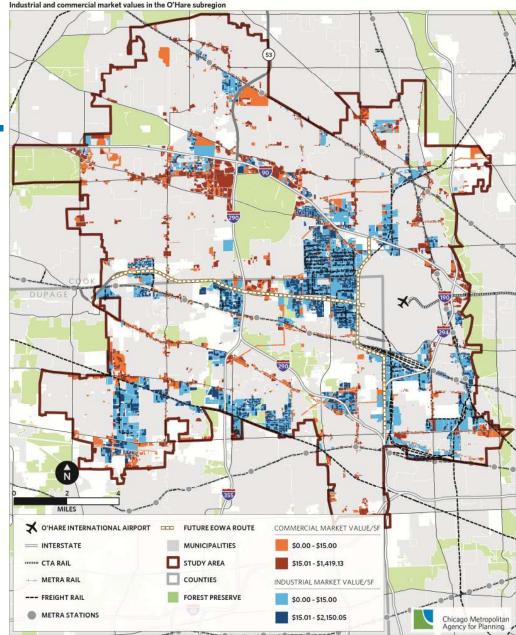
The subregion is a center of industrial activity in the region



- Despite an aging building stock, the subregion attains normal vacancy rates and high rents
- Access to transportation amenities and a trained workforce are significant draws
- Property tax classification in Cook County has an impact

Potential for major land use change

- Some municipalities envision a transition to office and retail uses after the EOWA
- FHWA height limits will play a role
- Industrial space is critical to support the freight and manufacturing clusters in the region



surce: Chicago Metropolitan Agency for Planning analysis of Cook and DuPage County Assessor data, 2012 and Illinois Department of Revenue data, 2011.

Moving the O'Hare freight and manufacturing cluster forward

Support workforce training:

- Continue to improve connections between employees, training programs and employers
- Assess the needs of changing industries in the subregion

Coordinate stormwater planning:

- Designate key actors
- Identify the drivers of recurring flooding issues
- Develop multijurisdictional solutions and an implementation plan

Moving the O'Hare freight and manufacturing cluster forward, cont'

- Plan for truck routing and infrastructure improvements
 - Plan for truck routing across jurisdictions
 - Identify key improvement needs to streamline access and address existing roadway deficiencies
- Develop a multijurisdictional industrial redevelopment plan
 - Identify the most critical freight/industrial areas
 - Lay out a multijurisdictional framework and strategies for industrial preservation and redevelopment

Questions?

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