

Vision for the Northeastern Illinois Expressway System

Presentation to the
Human and Community
Development Committee

May 8, 2017

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Chicago Metropolitan
Agency for Planning

Today's Agenda

- The Chicago Region's Expressway System
- Project Purpose and Overview
- Project Schedule
- **Draft Goal Areas**



The Chicago Region's Expressway System

Sample of Major Issues:

- Importance of expressway system for economic development;
- Backlog of unfunded reconstruction needs;
- Unaddressed, long-term congestion issues;
- Mass transit needs; expressways need to work better as multi-modal transportation corridors



The Chicago Region's Expressway System

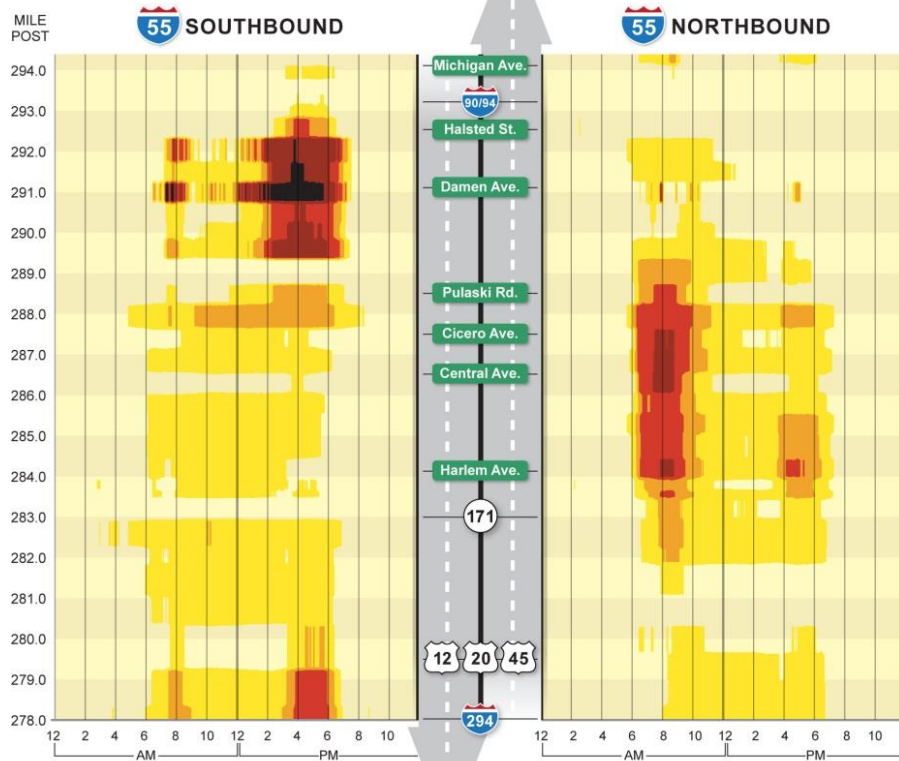
Sample of Major Issues (Continued):

- Freight bottlenecks;
- Coming vehicle automation and communications technologies;
- Environmental and climate challenges;
- Neighborhood impacts.



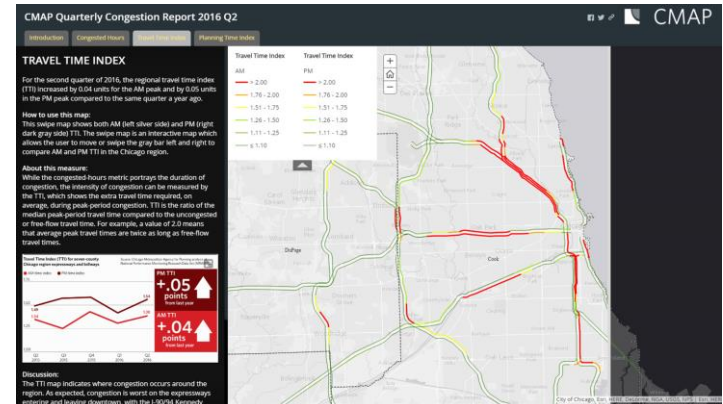
The Chicago Region's Expressway System

I-55 Congestion Scan, 2009 Tuesday-Thursday



Note: Average speed is shown as a function of time of day (the horizontal x-axis) and location (the vertical y-axis).

Source: Analysis by Chicago Metropolitan Agency for Planning, based on data from Traffic.com.

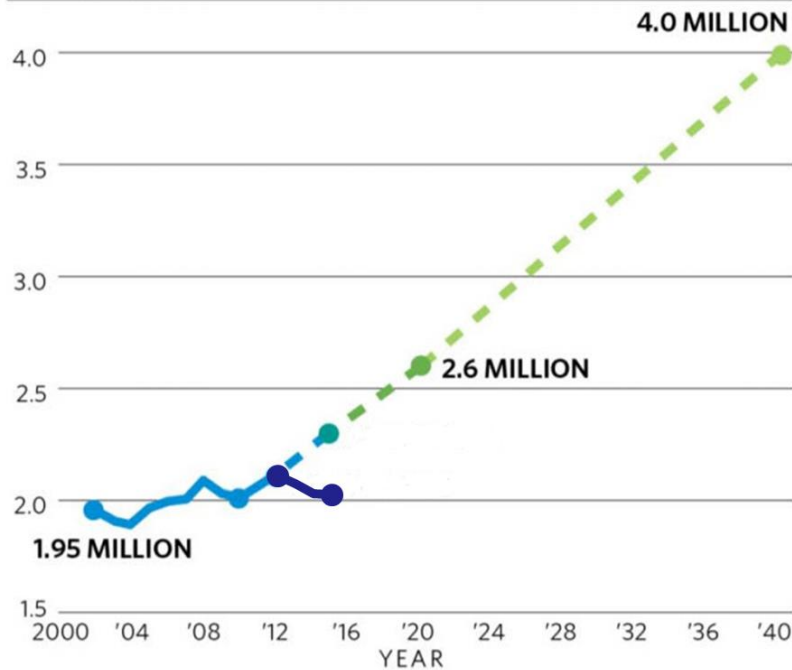


Unaddressed Congestion Issues

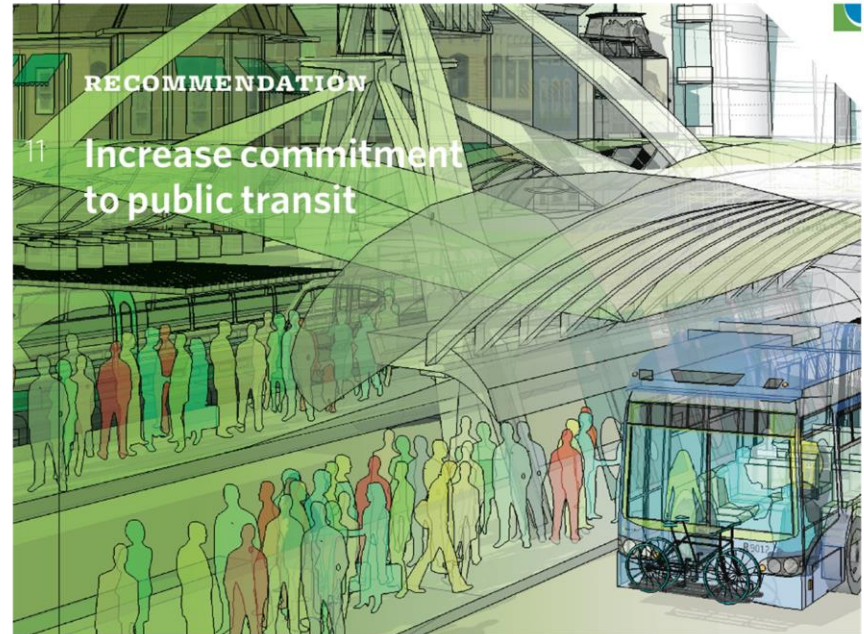


The Chicago Region's Expressway System

Average weekday unlinked transit trips, 2002-40, with targets, in millions



Source: Federal Transit Administration National Transit Database.

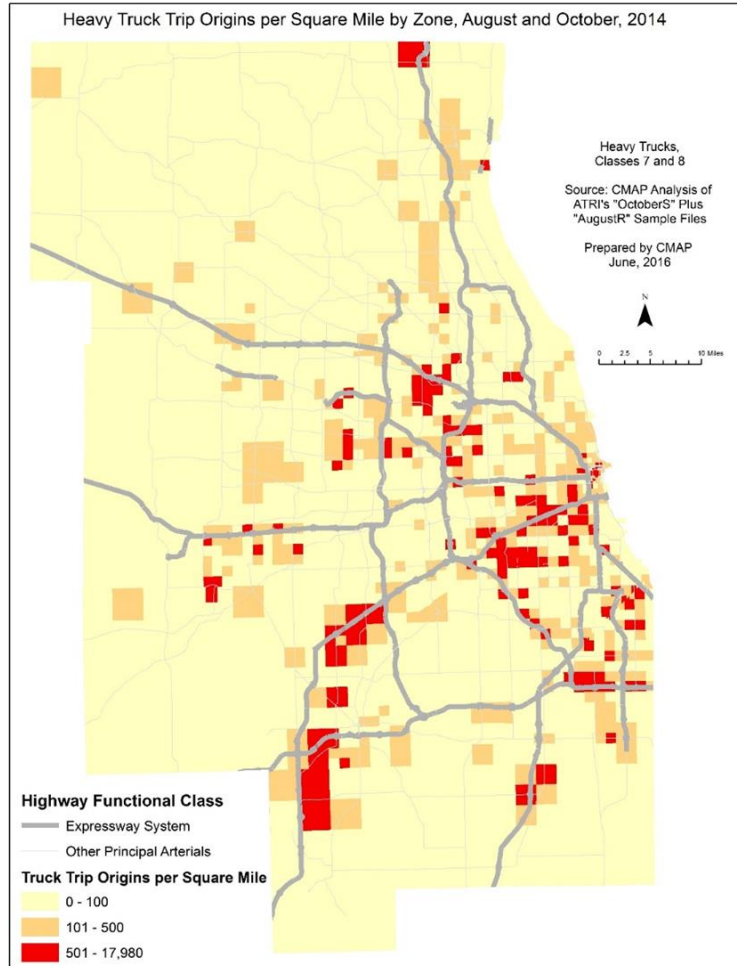


Mass Transit through
Multi-Modal Transportation
Corridors



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The Chicago Region's Expressway System



Freight System Needs

Project Purpose and Overview

Project purpose: create a vision for the northeastern Illinois expressway system.

Objective: Chart a bold, multi-modal, long-term course for the system, regardless of ownership, that future IDOT and Tollway capital programs and operating policies can draw from.

Objective: Inform *ON TO 2050*, the region's long-term comprehensive plan development process.



Project Purpose and Overview

Project highlights:

- Conceptual goals development
- Planning-level examination of the investments and management strategies needed to improve system condition and performance
- Corridor recommendations supported by conceptual engineering and order of magnitude cost estimates



Project Purpose and Overview

Project highlights (continued):

- Estimating revenue from tolling and value capture
- Solutions for traffic diversion impacts
- Multi-modal focus. Transit needs and opportunities will be evaluated for each study corridor. Freight bottlenecks also need to be addressed.



Project Schedule

Spring, 2017	Initiation, project goals, committee engagement
June, 2017	Consultant start
Summer, 2017	Trends/strategies, committee engagement
Fall, 2017	Corridor recommendations, open houses
January, 2018	ON TO 2050 Recommendations
March, 2018	Draft Vision, Committee Engagement
May, 2018	Final Deliverables Due



Human and Community Development Committee Goals?

Sample Goal Areas:

- Improve truck freight movement
- Address the most intractable congestion issues

HUC Goal Area

Suggestions:

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Goal Areas We Have Identified

- Improve truck freight movement
- Address most intractable congestion issues
- Provide game-changing mass transit improvements
- Prepare for vehicle automation; leverage communications technologies
- Improve roadway environmental performance
- Adapt expressway right-of-way for broader needs



Goal Areas We Have Identified

- Reduce impact on neighborhoods
- Financial sustainability
- Adapt to climate change
- Promote long-term regional economic growth
- Improve safety
- Achieve a state of good repair



Additional Goal Areas/Ideas?

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