2022 Lifesavers Conference

Prioritizing Biking & Walking: Shifting the Mode Share & Capitalizing on Pandemic Changes to Pave the Way

Victoria Barrett  
vbarrett@cmap.illinois.gov

Jen Maddux  
jmaddux@cmap.illinois.gov
Post-pandemic mode shift

Planning for safe, equitable, and sustainable mobility options
Chicago Metropolitan Agency for Planning
Metropolitan Chicago freight-related assets

$3,000,000,000,000,000
roughly the amount of goods that move through our region each year

10 interstate highways

1.1 Billion \( \text{Ft}^2 \)
industrial space

6 class 1 railroads

6th busiest cargo airport in the nation

ON TO 2050
And then....
STOP THE SPREAD OF GERMS

Help prevent the spread of respiratory diseases like COVID-19.

- Avoid close contact with people who are sick.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash.
- Avoid touching your eyes, nose, and mouth.
- Clean and disinfect frequently touched objects and surfaces.
- Stay home when you are sick, except to get medical care.
- Wash your hands often with soap and water for at least 20 seconds.

For more information: www.cdc.gov/ncidod/dhqp/pandflu.html
More people died on Illinois roads last year than since 2007. The pandemic to blame?

You’re Driving Too Damn Fast
A new report shows it’s not texting, drunken drivers, teenagers or jaywalkers causing Portland’s epidemic of pedestrian deaths. It’s speed.
post pandemic traffic safety

Planning for safe, equitable, and sustainable mobility options
rate of traffic fatalities in the CMAP region

Source: CMAP analysis of crash data obtained from the Illinois Department of Transportation
Bicycle and Pedestrian (Non-motorized) fatalities and serious injuries in northeastern Illinois

Source: CMAP analysis of crash data obtained from the Illinois Department of Transportation
Figure 13
Urban Major Collector Range of Speeds – 1st Percentile to 99th Percentile by Month, January 2019 – June 2021

Source: NPMRDS
Share of All Fatal or Serious Injury Crashes by Speed Limit and Road Jurisdiction, CMAP Region 2019

- Speed Limit Bins: 0-5, 10-20, 25-30, 35-40, 45-50, 55-60, 65-75
- County or Municipal Roads
- State Roads

Fatal or Serious Crashes

- 0% to 60% range
- Speed Limit Bins plot with horizontal bars representing each speed limit category.
Motorized and Bicycle/Pedestrian Fatal or Serious Injury Crashes per 100 Million Miles of Vehicle Travel (VMT), 2015 - 2020

Estimated annual VMT in sample. Speed limit data based on HERE Technologies.
If a pedestrian is struck by a vehicle traveling

- **20 MPH**: 90% will survive
- **30 MPH**: 60% will survive
- **40 MPH**: 20% will survive

complexity of traffic safety

- Systemic Safety
  - Regulations & Policies
  - Education & Behavior
  - Data & Information
  - Design
  - Enforcement
  - Coordination
  - Operations & Technology

CMAP
managing speed for bicycle and pedestrian safety

reduce vehicle speeds on roads with bicycle and pedestrian activity

- design the roadway to constrain speed “self-enforcing”
- set appropriate speed limits
- separate modes where speeds (not limits) exceed 30 mph
- improve data collection related to the mobility and safety of bicyclists and pedestrians
Data clearinghouse
Welcome to the Chicago Metropolitan Agency for Planning Data Hub, the source for data and information relevant to comprehensive planning in the seven-county metropolitan Chicago region. As the official regional planning organization for northeastern Illinois, CMAP prepares data, analyses, and evaluations on land use, transportation and environmental topics. These activities are critical to providing objective assessments of current and future regional conditions.

We are committed to making our datasets and publications available to a broad audience and have developed this Data Hub using the CKAN open-source data portal platform. If you can't find what you are looking for, please contact us.
Regional greenways and trails plan

- **Existing**
- **Under Development**
- **Planned**

Source: Chicago Metropolitan Agency for Planning, 2018.
Percent of streets with no sidewalk by census tract and Chicago Community Area

- 0 - 5%
- 6 - 25%
- 26 - 75%
- 76 - 100%

Source: Chicago Metropolitan Agency for Planning analysis of the 2018 Regional Sidewalk Inventory.
Helping local communities plan
NORTHERN LAKESHORE
TRAIL CONNECTIVITY PLAN
SEPTEMBER 2020

CONNECTING THE COMMUNITIES OF WINTHROP HARBOR, ZION, BEACH PARK, WAUKEGAN, AND NORTH CHICAGO

Chicago Metropolitan Agency for Planning
The Village of Flossmoor is working together with the Chicago Metropolitan Agency for Planning (CMAP) and other stakeholders to develop a Local Road Safety Plan (LRSP). The Village of Flossmoor LRSP is a review of all the public roads within the community. It contains recommendations for all relevant safety related roadway infrastructure improvements, explaining how these recommendations were developed and why they are important for the future of the community. An additional component of the LRSP is to identify opportunities to influence and improve behavior of all roadway users (e.g., motorists, bicyclists and pedestrians).
Funding transportation projects
Regional emissions by sector, 2015

- Stational energy: 69%
- Transportation: 29%
- Waste: 3%

Source: Chicago Metropolitan Agency for Planning.
Where to now?
Please evaluate this presentation using the Lifesavers Conference Mobile App

1. Select Sessions Icon
2. Select Applicable Track
3. Select Applicable Workshop
4. Click Session Evaluation Button (or) Clipboard Icon