LAKE COUNTY
LONG RANGE TRANSPORTATION PLAN

Public Works and Transportation Committee Presentation

Wednesday, December 3, 2025

AGENDA

- Overview

- Existing Conditions Summary

- Phase I Engagement Summary

- Goals & Vision Statement

- Next Steps

Envision
2050

OVERVIEW OF ENVISION 2050

Envision 2050 is being developed in four phases, Discover, Develop, Decide, Deliver, each designed to support public and stakeholder engagement to inform the final plan.

Phase 1 Discover of Envision 2050 focused on Discovering what matters most to Lake County residents, leaders, and community partners as the foundation for a long-range transportation vision.

EXISTING CONDITIONS

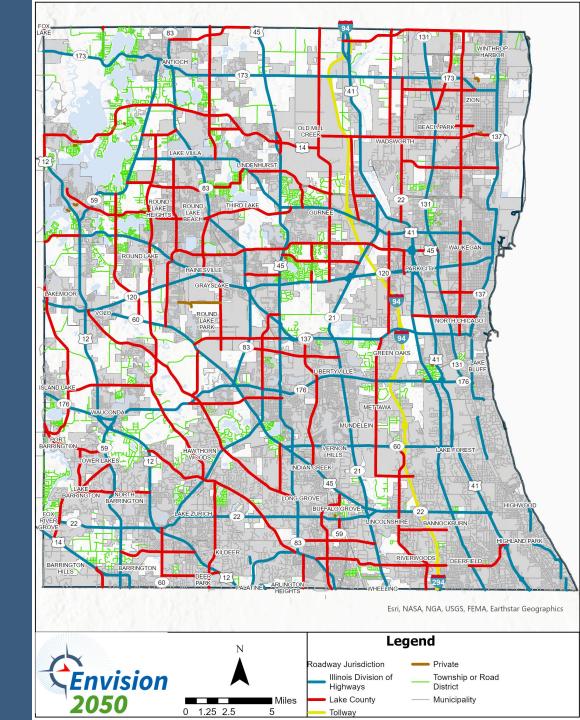Roadway System

Bicycle and Pedestrian System

Transit System

Freight System

ROADWAY SYSTEM - JURISDICTION

Total Roadway System Mileage by 5-Year Functional Classification in Lake County, 2024

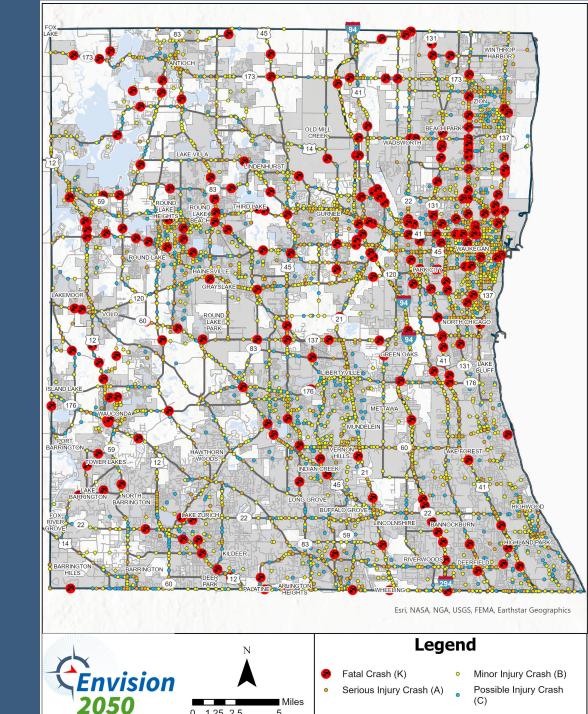|	State System	Toll System	County System	Township System	Local System	Total
Interstate	1	24	-	-	-	25
Freeway/Expressway	3	-	-	-	-	3
Other Principal Arterial	251	-	2	-	-	253
Minor Arterial	65	-	239	8	51	363
Major Collector	4	-	45	20	205	274
Minor Collector	1	-	1	6	45	53
Local	2	-	3	463	1,943	2,411
Total	327	24	290	497	2,244	3,382

Source: Illinois Department of Transportation, 2024 Illinois Highway and Street Mileage Statistics
Mileage numbers have been rounded

ROADWAY SYSTEM - SAFETY
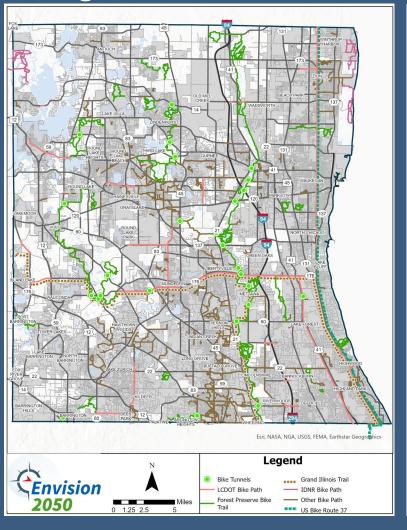
Crashes by Severity on All Roads in Lake County, 2020-2024

Crash Type	Number of Crashes	% of All Crashes
Fatal Crash	248	0.4%
A Injury Crash	1,480	2.5%
B Injury Crash	6,732	11.4%
C Injury Crash	5,957	10.1%
Property Damage Only Crash	44,493	75.5%

Esri, NASA, NGA, USGS, FEMA, Earthstar Geographics

Envision 2050

N

0 1.25 2.5 5 Miles

Legend

- Fatal Crash (K)
- Serious Injury Crash (A)
- Minor Injury Crash (B)
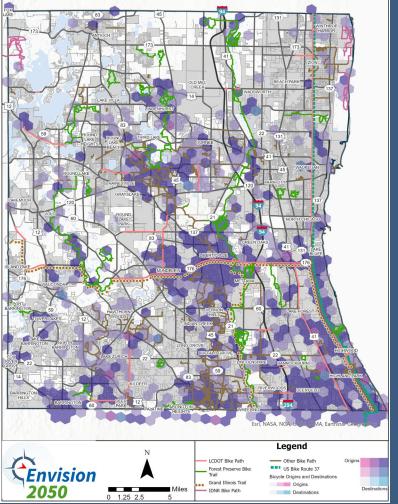- Possible Injury Crash (C)

BICYCLE AND PEDESTRIAN SYSTEM

Envision 2050
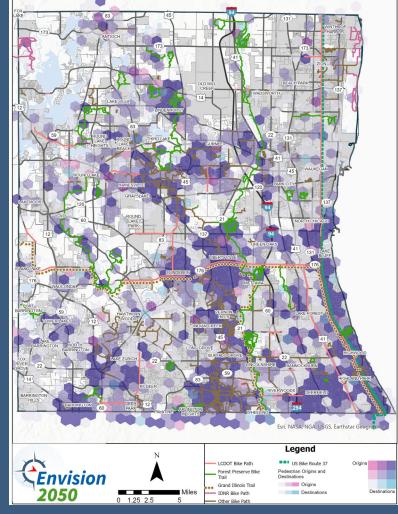
Existing Facilities

Bicycle Origins and Destinations

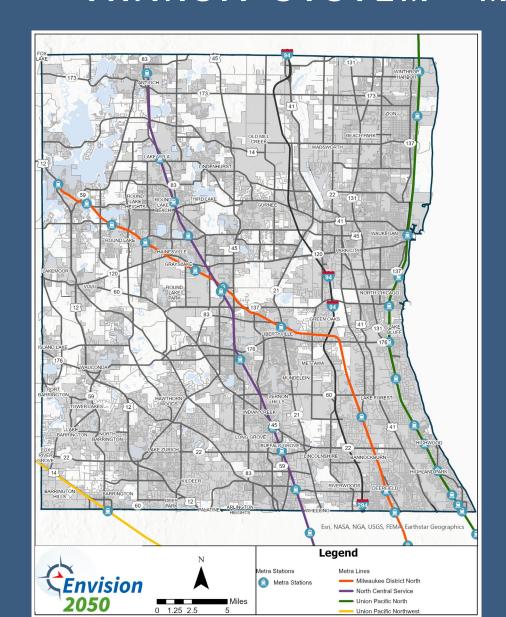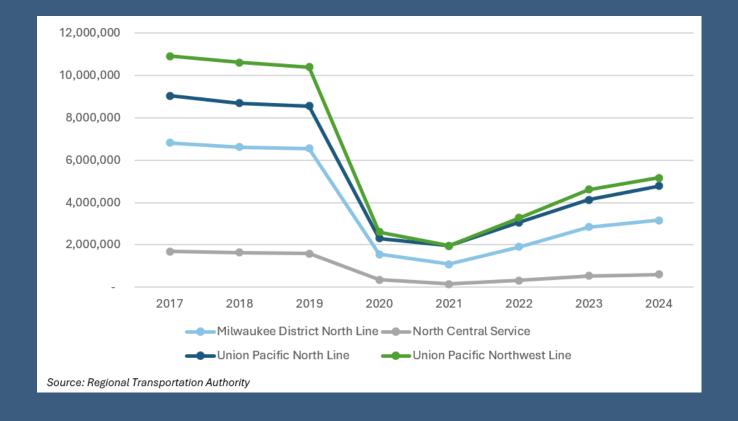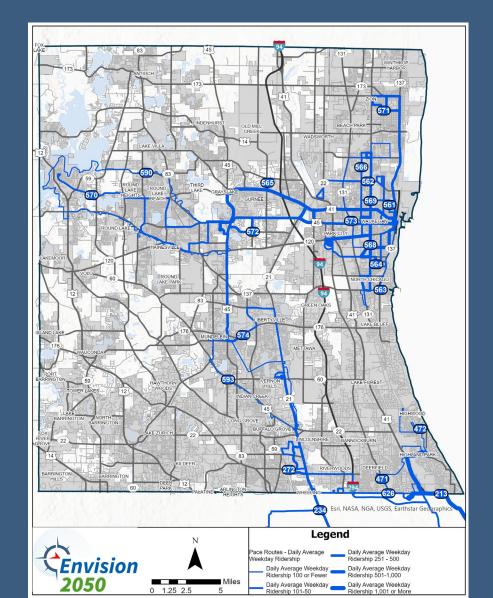## Ped Origins and Destinations

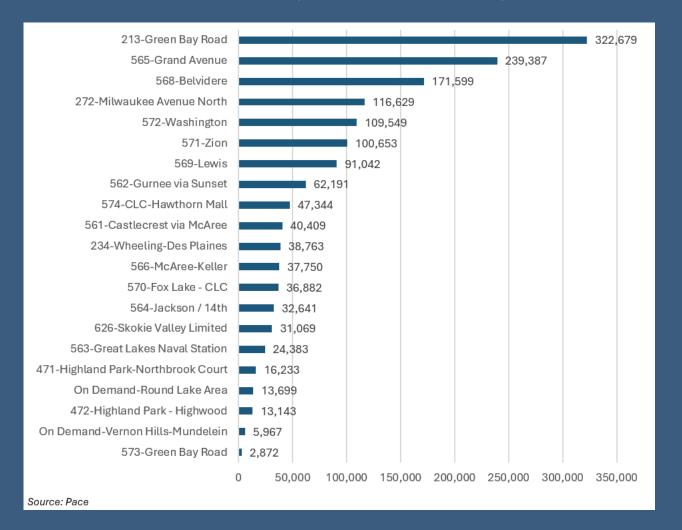Metra Lines & Stations and Annual Ridership Serving Lake County, 2024

TRANSIT SYSTEM-PACE
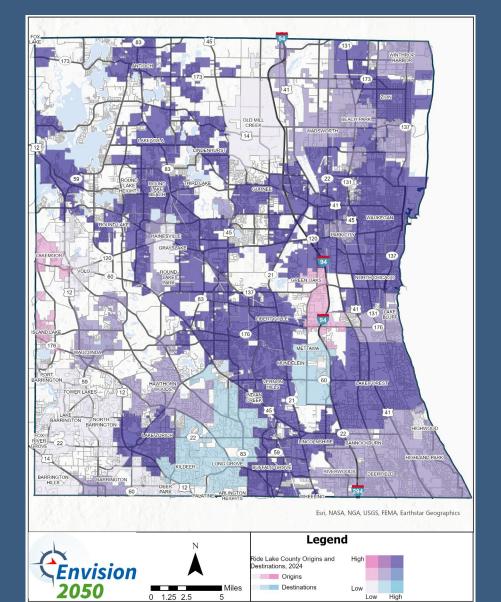
Pace Routes and Ridership within Lake County, 2024

Route	Ridership
213-Green Bay Road	322,679
565-Grand Avenue	239,387
568-Belvidere	171,599
272-Milwaukee Avenue North	116,629
572-Washington	109,549
571-Zion	100,653
569-Lewis	91,042
562-Gurnee via Sunset	62,191
574-CLC-Hawthorn Mall	47,344
561-Castlecrest via McAree	40,409
234-Wheeling-Des Plaines	38,763
566-McAree-Keller	37,750
570-Fox Lake - CLC	36,882
564-Jackson / 14th	32,641
626-Skokie Valley Limited	31,069
563-Great Lakes Naval Station	24,383
471-Highland Park-Northbrook Court	16,233
On Demand-Round Lake Area	13,699
472-Highland Park - Highwood	13,143
On Demand-Vernon Hills-Mundelein	5,967
573-Green Bay Road	2,872

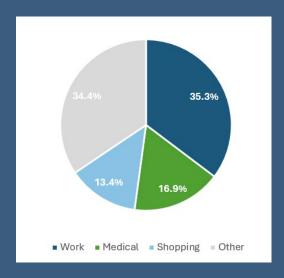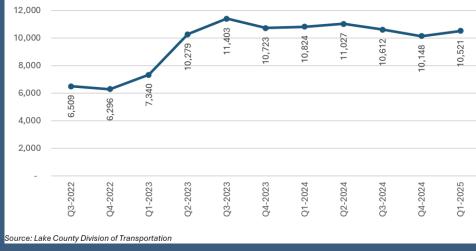Source: Pace

TRANSIT SYSTEM-RIDE LAKE COUNTY

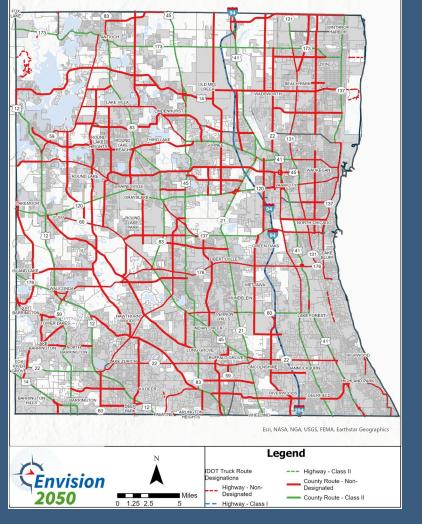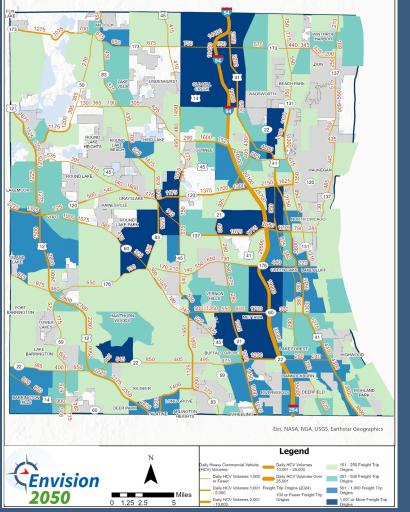Ride Lake County Origins and Destinations, Trip Purpose, 2024 & Ridership, 2022 - 2025

FREIGHT SYSTEM
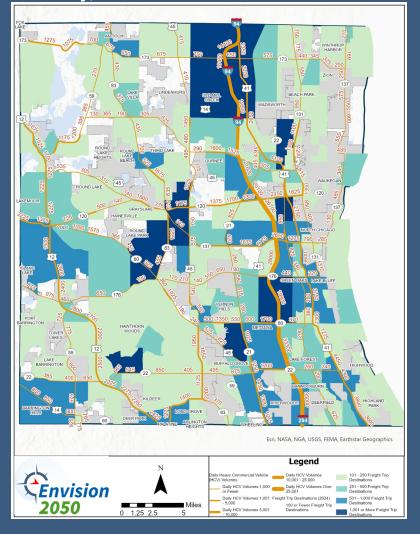
IDOT Truck Route Designations

Hwy Freight Trip Origins in Lake County, 2024

Hwy Freight Trip Destinations in Lake County, 2024

PHASE 1 PUBLIC ENGAGEMENT

Safety:
Getting to your destination safe and sound.

Low ○○○○ Critical

Conditions & Preservation:
Improving and preserving the roads that already exist.

Low ○○○○ Critical

Non-Motorized:
More transportation options for pedestrians and bicyclists.

Low ○○○○ Critical

Transit:
Addressing connectivity to transit options like Metra and Pace.

Low ○○○○ Critical

Expansion:
Increasing the number of roads or lanes to help with traffic flow.

Low ○○○○ Critical

Mobility:
Making transportation improvements that help all road users such as traffic signal timing changes and turn lanes.

Low ○○○○ Critical

POP-UP EVENTS

- Waukegan Back to School Festival
- Zion Community Resource Fair
- Fox Lake Night Out
- Waukegan Touch a Truck and Night Out
- Wauconda Cruise Night

ENVISION 2050 PROJECT WEBSITE

lakecounty2050.com
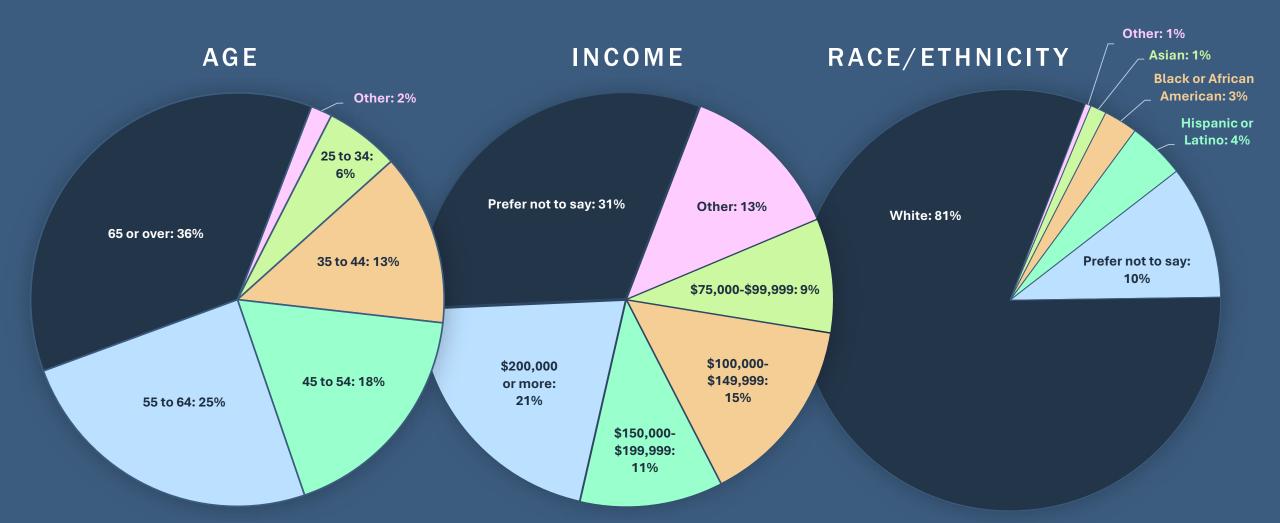
SURVEY RESULTS

894 RESPONSES

PUBLIC ENGAGEMENT DEMOGRAPHICS
PHASE 1 DISCOVER SURVEY
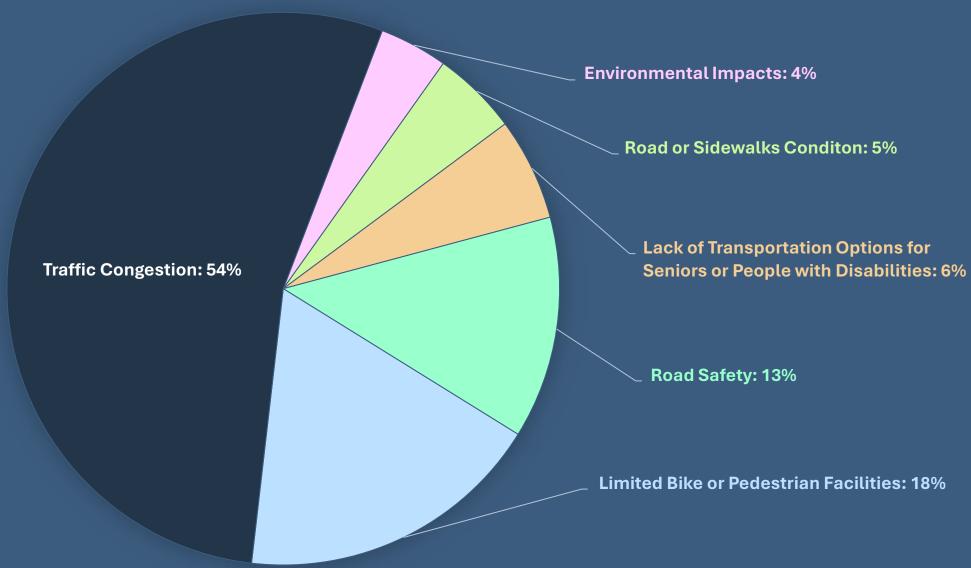
Total # of Survey Responses - 894

Envision 2050

AGE

- Other: 2%
- 25 to 34: 6%
- 35 to 44: 13%
- 65 or over: 36%
- 45 to 54: 18%
- 55 to 64: 25%

INCOME

- Prefer not to say: 31%
- Other: 13%
- $75,000-$99,999: 9%
- $100,000-$149,999: 15%
- $150,000-$199,999: 11%
- $200,000 or more: 21%

RACE/ETHNICITY

- Other: 1%
- Asian: 1%
- Black or African American: 3%
- Hispanic or Latino: 4%
- Prefer not to say: 10%
- White: 81%
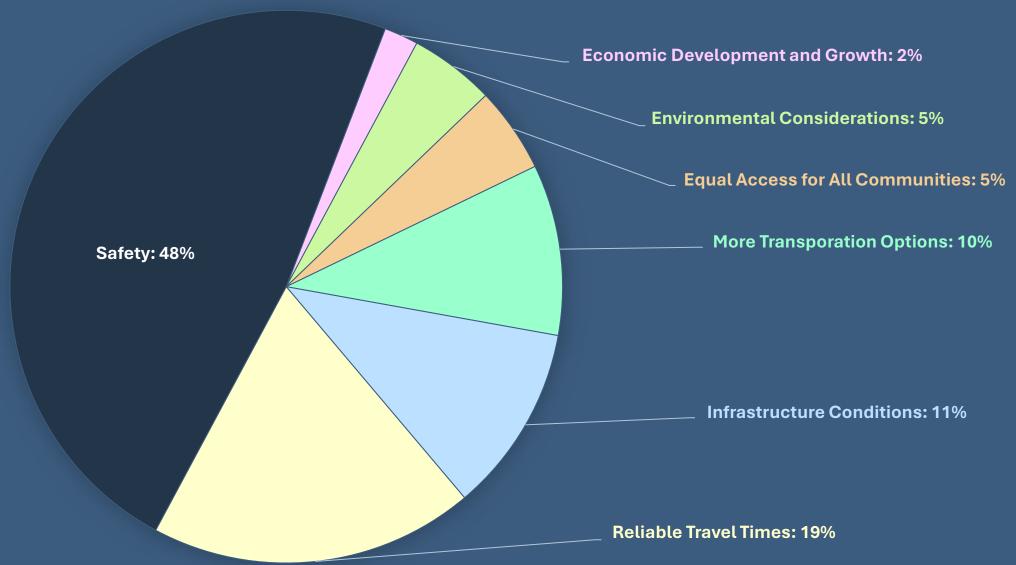
MOST IMPORTANT TRANSPORTATION ISSUES

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Traffic Congestion: 54%

Environmental Impacts: 4%

Road or Sidewalks Conditon: 5%

Lack of Transportation Options for Seniors or People with Disabilities: 6%

Road Safety: 13%

Limited Bike or Pedestrian Facilities: 18%

MOST IMPORTANT TRANSPORTATION GOALS

Envision 2050

Safety: 48%

Economic Development and Growth: 2%

Environmental Considerations: 5%

Equal Access for All Communities: 5%

More Transporation Options: 10%

Infrastructure Conditions: 11%

Reliable Travel Times: 19%

HOW SATISFIED ARE YOU WITH YOUR CURRENT TRANSPORTATION OPTIONS?

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5 - Most Satisfied: 8%

1 - Least Satisfied: 7%

4 - More Satisfied: 30%

2 - Less Satisfied: 15%

3 - Satisfied: 40%

*On a scale from 1 – 5, with 1 being least satisfied and 5 being most satisfied

VIRTUAL OPEN HOUSE

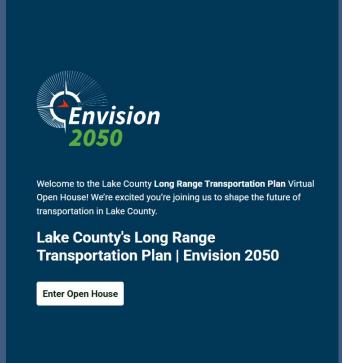To provide flexible options for participation, a virtual open house was hosted online for **two weeks** allowing the public to explore interactive maps and watch project videos at their convenience.

Virtual Open House Analytics:

October 7 – 21, 2025

- Total Views – **1,890**

- Unique Users – **1,345**

- Engaged Sessions – **923**

Welcome to the Lake County **Long Range Transportation Plan** Virtual Open House! We're excited you're joining us to shape the future of transportation in Lake County.

Lake County's Long Range Transportation Plan | Envision 2050

Enter Open House

VIRTUAL OPEN HOUSE
INTERACTIVE PRIORITIZATION GAME RESULTS
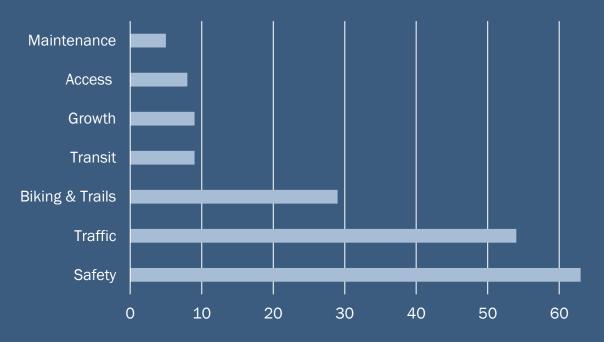
A total of **154** participants completed the activity.
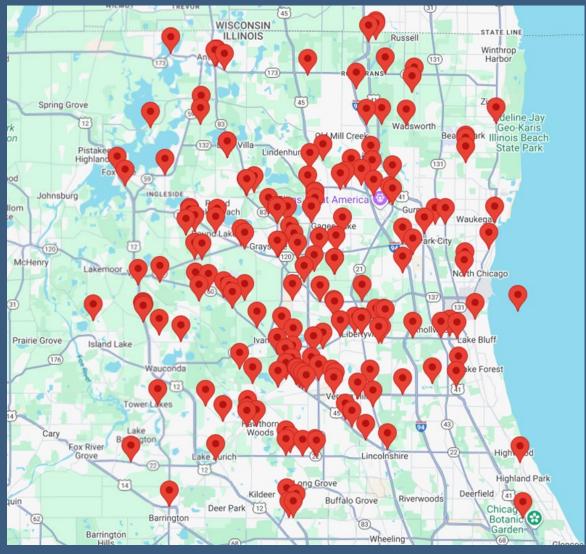
Rank	Priority	Description
1	Safety	Highest ranked priority across all participants; reflect the community's emphasis on reducing crashes and protecting all users.
2	Conditions & Preservation	Strong support for maintaining and improving existing infrastructure before expanding.
3	Non-Motorized Travel	Moderate prioritization highlights public interest in sidewalks and infrastructure for bikes that improve connectivity.
4	Transit	Recognized as important for enhancing mobility options.
5	Expansion	Expansion ranking lower indicates a preference for optimization and maintaining the existing system over new construction.
6	Mobility	Overall ranking suggests the public views general mobility improvements as secondary to safety and preservation needs.

Safety:
Getting to your destination safe and sound.
Low ⬤⬤⬤⬤ Critical

Conditions & Preservation:
Improving and preserving the roads that already exist.
Low ⬤⬤⬤⬤ Critical

Non-Motorized:
More transportation options for pedestrians and bicyclists.
Low ⬤⬤⬤⬤ Critical

Transit:
Addressing connectivity to transit options like Metra and Pace.
Low ⬤⬤⬤⬤ Critical

Expansion:
Increasing the number of roads or lanes to help with traffic flow.
Low ⬤⬤⬤⬤ Critical

Mobility:
Making transportation improvements that help all road users such as traffic signal timing changes and turn lanes.
Low ⬤⬤⬤⬤ Critical

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ONLINE COMMENT MAP

A total of **196 map pins and comments** were received, covering all regions of Lake County.

Patterns show distinct clusters of feedback **in Grayslake, Libertyville and Mundelein**, as well as near key commuter corridors such **as IL-60, IL-120 and IL-83**.

VISION AND GOALS

VISION STATEMENT

Envision 2050

We envision a transportation system that is safe, reliable, innovative and adaptive by connecting people, places, and opportunities. It will serve all users and link communities to daily needs and future possibilities.

GOALS

1. Safety: Create a transportation system where every user feels secure and protected.

Reduce traffic fatalities and serious injuries to zero, across all modes.

Enhance personal security for transit riders, pedestrians, and cyclists – day and night.

Design for safety first, integrating best practices in roadway, transit, and active transportation infrastructure.

2. Reliability: Ensure the system is dependable and resilient for daily life and economic vitality.

Maintain and modernize infrastructure to keep it in a state of good repair.

Reduce congestion and travel delays, improving predictability for all users.

Support economic growth by providing a transportation network businesses and residents can count on.

GOALS

3. Innovate & Adapt: Deliver a system that serves everyone, everywhere.

Meet the needs of all users, residents, businesses, and visitors, regardless of age, ability, or income.

Invest across the County, prioritizing fair access to transportation options.

Improve accessibility for people of all abilities and create inclusive mobility solutions.

Implement new and emerging technologies and applications that enhance the capability, resiliency, and safety of infrastructure systems.

4. Connections & Mobility: Expand choices and strengthen links between people, places, and opportunities.

Provide safe, convenient options for walking, biking, rolling, transit, and driving.

Reduce congestion through multimodal and operational solutions, not just roadway expansion.

Integrate transportation with the natural and built environment, respecting context and sustainability.

Fill service gaps by introducing mobility options where they don't exist today.

PROJECT SCHEDULE

PHASE 1 - DISCOVER

April – November
2025

PHASE 2 - DEVELOP

November – Spring
2025 - 2026

PHASE 3 - DECIDE

Spring – Fall
2026

PHASE 4 - DELIVER

Spring
2027

We are here.

Phases 2–4 of Envision 2050 will involve defining the vision and goals, developing and prioritizing strategies with a financial plan, and delivering the final Long Range Transportation Plan for implementation.

NEXT STEPS

Finalizing the Plan's Vision Statement and Goals

Developing Transportation Strategies

Non-Motorized Transportation Policy Update

Stakeholder Meetings and Engagement

Continued Public Engagement

PROJECT PHASES 2-4

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- **PHASE 2 | DEVELOP**: In Phase 2, the project team will define the vision, goals and objectives for Envision 2050 and begin building the foundation for the plan. This includes a travel demand model to forecast future transportation needs and creating draft alternatives and strategies.

- **PHASE 3 | DECIDE**: Phase 3 is about refining the list of alternative projects and strategies drafted in Phase 2 and prioritizing them based on need and impact, while also developing a financial plan to match available funding with future goals.

- **PHASE 4 | DELIVER** : In the final phase, the full planning process is documented and the Long Range Transportation Plan is compiled into a final report for implementation.

THANK YOU!

Mike Klemens, Manager of Transportation Planning

847-377-7455 | MKlemens@lakecountyil.gov

REFERENCE MATERIALS

Additional Existing Conditions Materials Available
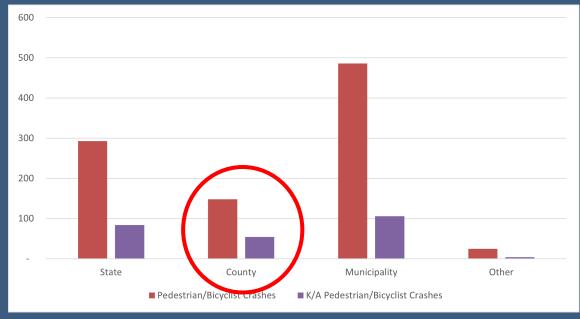on the Following Slides

ROADWAY SYSTEM

Top 12 High Crash Corridors, 2020-2024

| ID	Corridor Name	Total Crashes	K/A Crashes	Total Crashes Per Mile	Jurisdiction
1	Lake Cook Rd between Quentin Rd and Arlington Heights Rd	1,121	15	280	County
2	Townline Rd/IL Route 60 between Waukegan Rd and Butterfield Rd	1,095	25	202	State
3	IL 132 / Grand Ave between Milwaukee Ave and Route 45	1,026	32	234	State
4	Route 45/IL Route 83 between IL Route 60 and Route 53	987	13	219	State
5	Washington St between Jackson St and Old Skokie Rd	961	29	383	State / County / Municipal
6	Skokie Hwy between IL Route 60 and Deerfield Rd	922	30	195	State
7	Grand Ave between Lewis Ave and Skokie Hwy	874	18	554	State
8	Lake Cook Rd between Saunders Rd and Skokie Valley Rd	853	15	203	County
9	IL Route 120 / Belvidere Rd between Jackson St and Old Skokie Rd	839	25	369	State
10	Rand Rd between Long Grove Rd and IL Route 22	819	19	244	State
11	Lewis Ave between Grand Ave and Sunset Ave	768	9	515	County / Municipal
12	Lewis Ave between York House Rd and IL 173	704	33	187	County
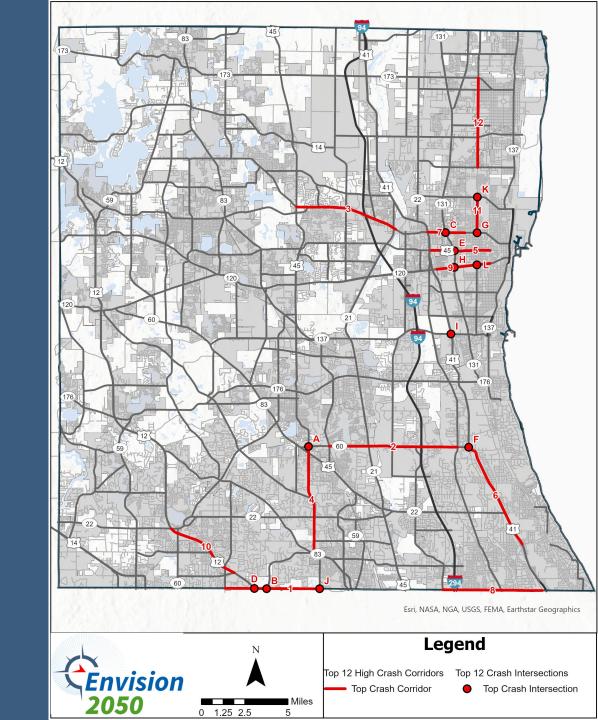
Top 12 High Crash Intersections, 2020-2024

ID	Intersection Name	Total Crashes	K/A Crashes	Jurisdiction
A	Townline Rd and Lake St	275	1	State and State
B	Lake Cook Rd and Hicks Rd	263	3	County and State
C	Green Bay Rd and Grand Ave	230	4	State and State
D	Rand Rd and Lake Cook Rd	201	1	State and County
E	Washington St and Green Bay Rd	198	6	County/Municipality and State
F	Skokie Hwy and Kennedy Rd	194	4	State and State
G	Lewis Ave and Grand Ave	191	1	County and State
H	Belvidere St and Green Bay Rd	188	4	State and State
I	Skokie Hwy and Buckley Rd	181	10	State and State
J	Lake Cook Rd and Arlington Heights Rd	161	2	County and County
K	Lewis Ave and Sunset Ave	157	3	Municipality/County and Municipality
L	Belvidere St and Lewis Ave	150	3	State and County

ROADWAY SYSTEM - SAFETY

Top 12 High Crash Corridors and Intersections
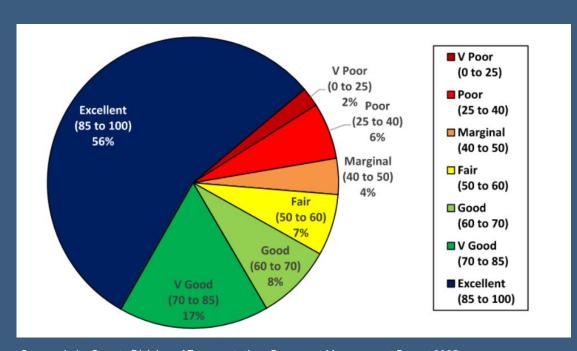

Esri, NASA, NGA, USGS, FEMA, Earthstar Geographics

Envision 2050

N

Miles
0   1.25   2.5   5

Legend

Top 12 High Crash Corridors   Top 12 Crash Intersections

— Top Crash Corridor   ● Top Crash Intersection

ROADWAY SYSTEM - SAFETY

Collision Type	K Crashes	A Crashes	B Crashes	C Crashes	Total Injury Crashes	% of K/A Crashes	% of Total Injury Crashes	Variance
Front to Rear	20	240	1,794	2,367	4,421	15.0%	30.7%	-15.6%
Turning	43	389	2,017	1,617	4,066	25.0%	28.2%	-3.2%
Angle	17	162	790	622	1,591	10.4%	11.0%	-0.7%
Fixed Object	54	236	798	493	1,581	16.8%	11.0%	5.8%
Sideswipe Same Direction	10	34	218	235	497	2.5%	3.4%	-0.9%
Pedestrian	41	123	223	109	496	9.5%	3.4%	6.1%
Bicyclist	8	76	242	91	417	4.9%	2.9%	2.0%
Front to Front	31	79	147	97	354	6.4%	2.5%	3.9%
Parked Motor Vehicle	2	27	144	128	301	1.7%	2.1%	-0.4%
Overturned	8	47	119	37	211	3.2%	1.5%	1.7%
Other Object	1	23	82	50	156	1.4%	1.1%	0.3%
Sideswipe Opposite Direction	7	13	69	51	140	1.2%	1.0%	0.2%
Other Non-Collision	2	24	64	27	117	1.5%	0.8%	0.7%
Animal	-	6	25	32	63	0.3%	0.4%	-0.1%
Train	4	1	-	1	6	0.3%	0.0%	0.3%
Total	248	1,480	6,732	5,957	14,417	100.0%	100.0%	

Injury Crashes by Collision Type, 2020-2024

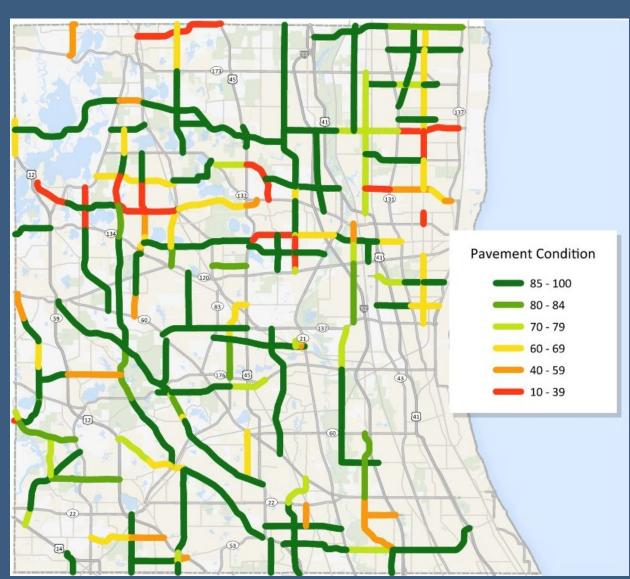# ROADWAY SYSTEM - CONDITION

Envision 2050

Condition of Lake County Pavement

Source: Lake County Division of Transportation, *Pavement Management Report 2025*