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County Engineer
Director of Transportation

Public Works, Planning
and Transportation
Committee

June 3, 2020



Lake County Division of Transportation
Proposed 2020 - 2025 Transportation Improvement Program

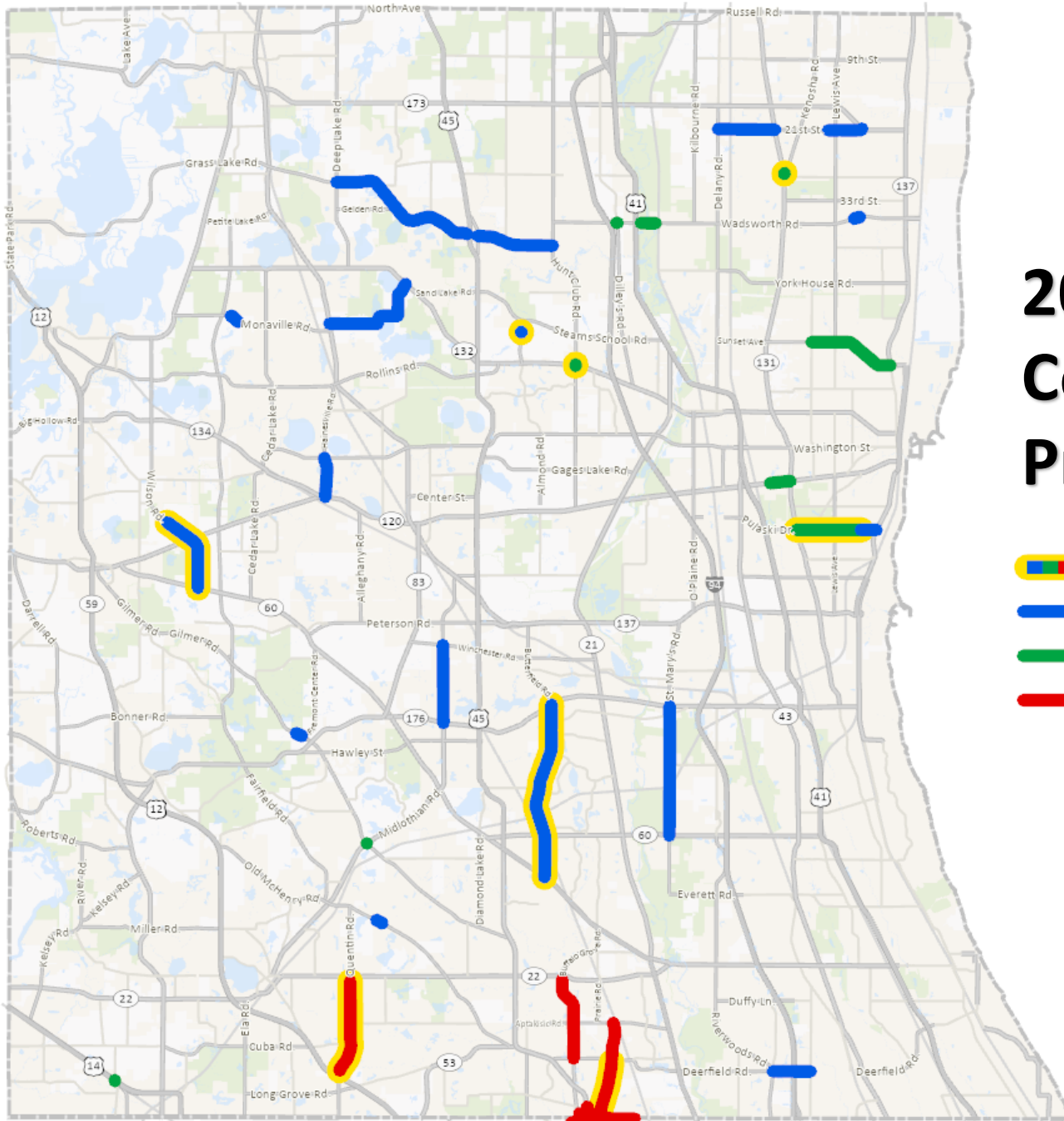
PROJECT OVERVIEW, FUNDING ASSUMPTIONS, AND ENDORSEMENT REQUEST

Our mission is to provide a safe, efficient and innovative transportation system to enhance mobility, economic development and quality of life in Lake County.





Lake County

2020

**Construction
Program**



2020 Construction Program

-  Continued from 2019
-  Preservation
-  Modernization
-  Expansion

\$80M continued from 2019

- **Quentin Rd**, White Pine Rd to IL22 reconstruct and widen to 4 lanes
- **Weiland Rd**, Lake Cook Rd to Deerfield Pkwy reconstruct and widen to 4 lanes
- **14th St**, IL131 to Jackson St roundabout/reconstruct to 3 lanes
- **Hutchins Rd at Mill Creek** replace culverts w/single-span structure
- Resurfacing projects at **Wilson Rd*** and **Butterfield Rd**
- Intersection safety improvement on **Kenosha Rd** *(not LCDOT lead)*



** Includes adding bike-friendly shoulder*

\$82M in new projects for 2020

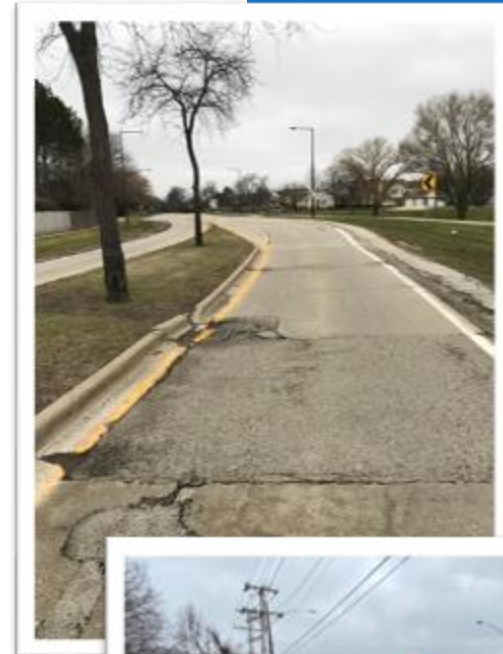
Buffalo Grove Rd, reconstruct and widen to four lanes from IL22 to Deerfield Pkwy

Weiland Rd, reconstruct and widen to four lanes from Deerfield Pkwy to Aptakisic Rd

Lake Cook Rd, reconstruct and widen at Weiland/Buffalo Grove Rd (*not LCDOT lead*)

Operational and Safety Improvements:

- Intersection improvements
 - Hart Rd at US14
 - Wadsworth Rd at Dilley Rd
- Expand PASSAGE coverage and signal interconnects through more corridors
 - Sunset Ave, McAree to Sheridan
- Pavement markings and markers replacements
- Streetlight upgrades to LED
- Snowproof signal visor installations



\$82M in new projects for 2020 *(continued)*

Resurfacing Projects:

14th Street

Millburn Road/Grass Lake Road* +

Deerfield Road

Hainesville Road*

Non-motorized Travel Improvements:

Hart Rd - new sidewalk, multi-use path, and traffic & railroad signal enhancements at US14/Union Pacific RR

Grass Lake Rd+ – sidewalk gap improvements

Culvert, Drainage and/or Retaining Wall Projects:

Wadsworth Rd at Robert McClory bike path [storm sewer]

Gilmer/Old McHenry/Monaville culvert replacements

Midlothian Rd culvert replacements [3 locations]

Kelsey/Old McHenry/North Avenue culvert replacements

Gages Lake Rd culvert replacements [4 locations]

Skokie Valley Bike path culvert replacements [4 locations]

**project includes adding bike-friendly shoulder*

+ project may be delayed depending on funding availability



2020 – 2025 Transportation Improvement Program

LCDOT's management philosophy sets system priorities

1. Preservation

- Keep roads, bridges, drainage systems, and other assets in good condition

2. Modernization

- Reduce delays and increase safety
- Non-motorized accommodation
- Smart roads

3. Expansion

- Accommodate regional traffic and economic development

Priority One: Preservation

Typically resurfacing, reconstruction, patching, bridge and drainage improvements, maintenance activities

Preservation projects:
approximately

24%

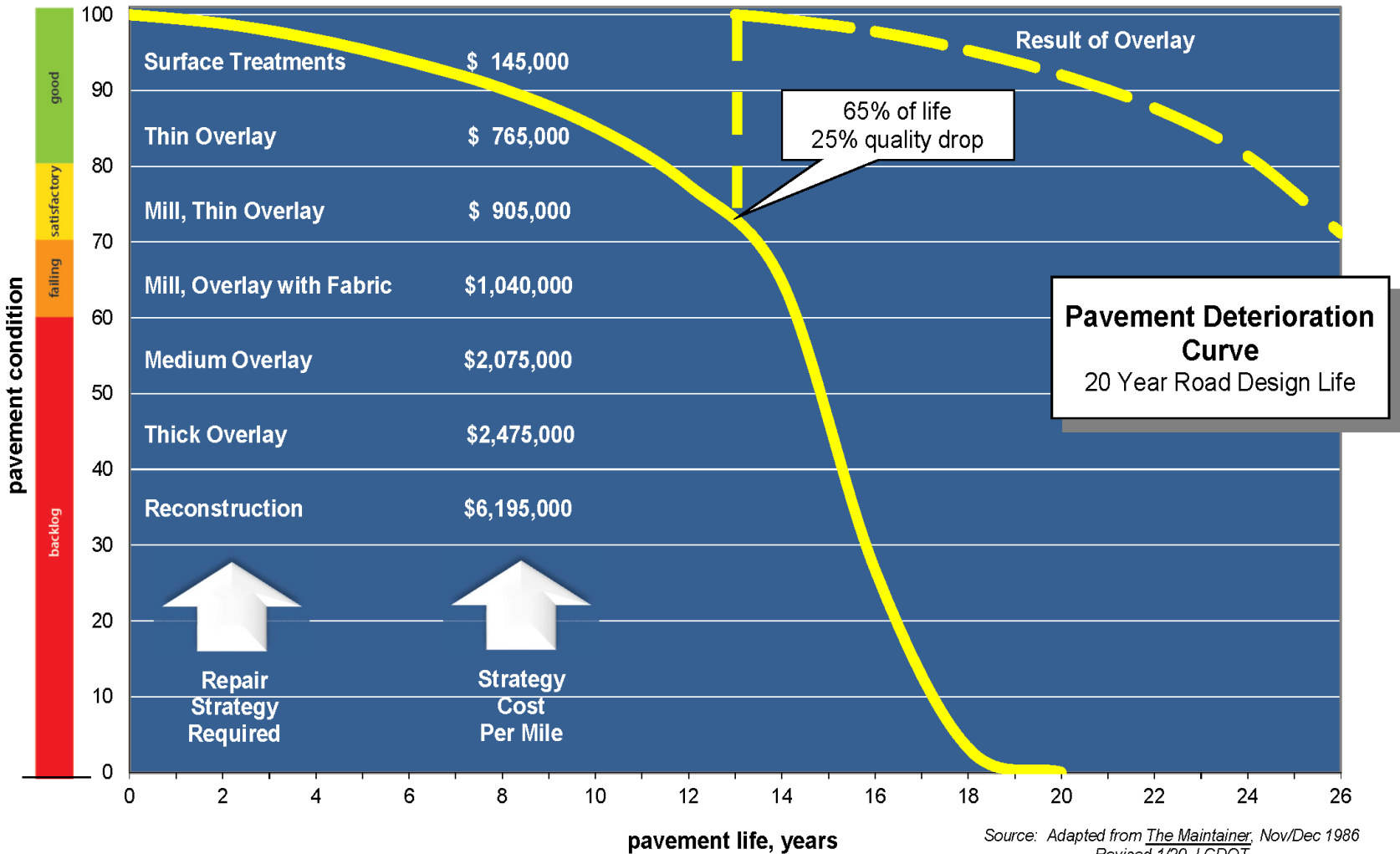
of program

Data + engineering judgement:

- ARGUS pavement management software
- Asset inventories
- Unit cost information
- Industry standards
- Innovative techniques

Pavement Aging Prediction Costs

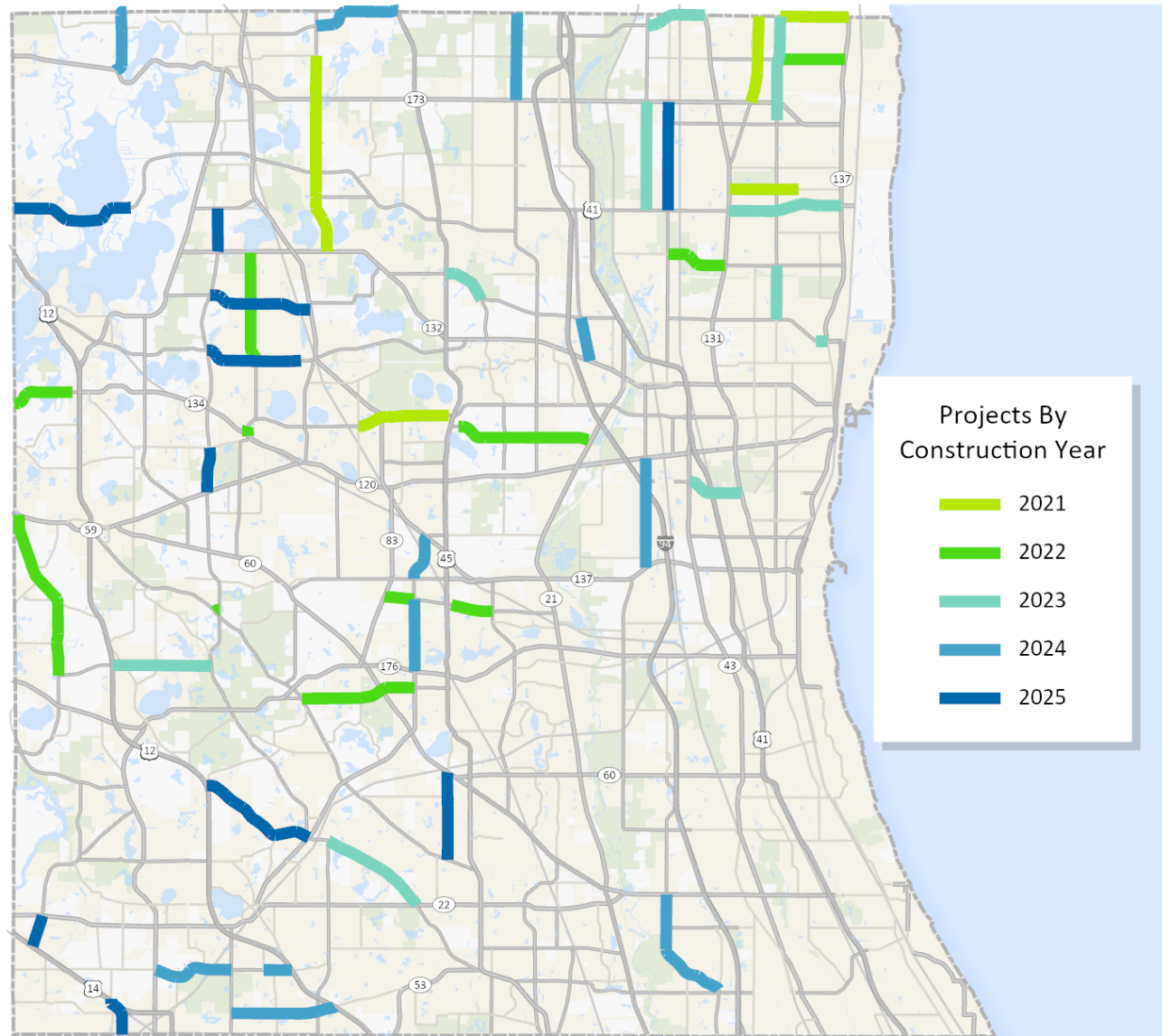
Make Repairs at the Best Time to Maximize Return



2021 – 2025

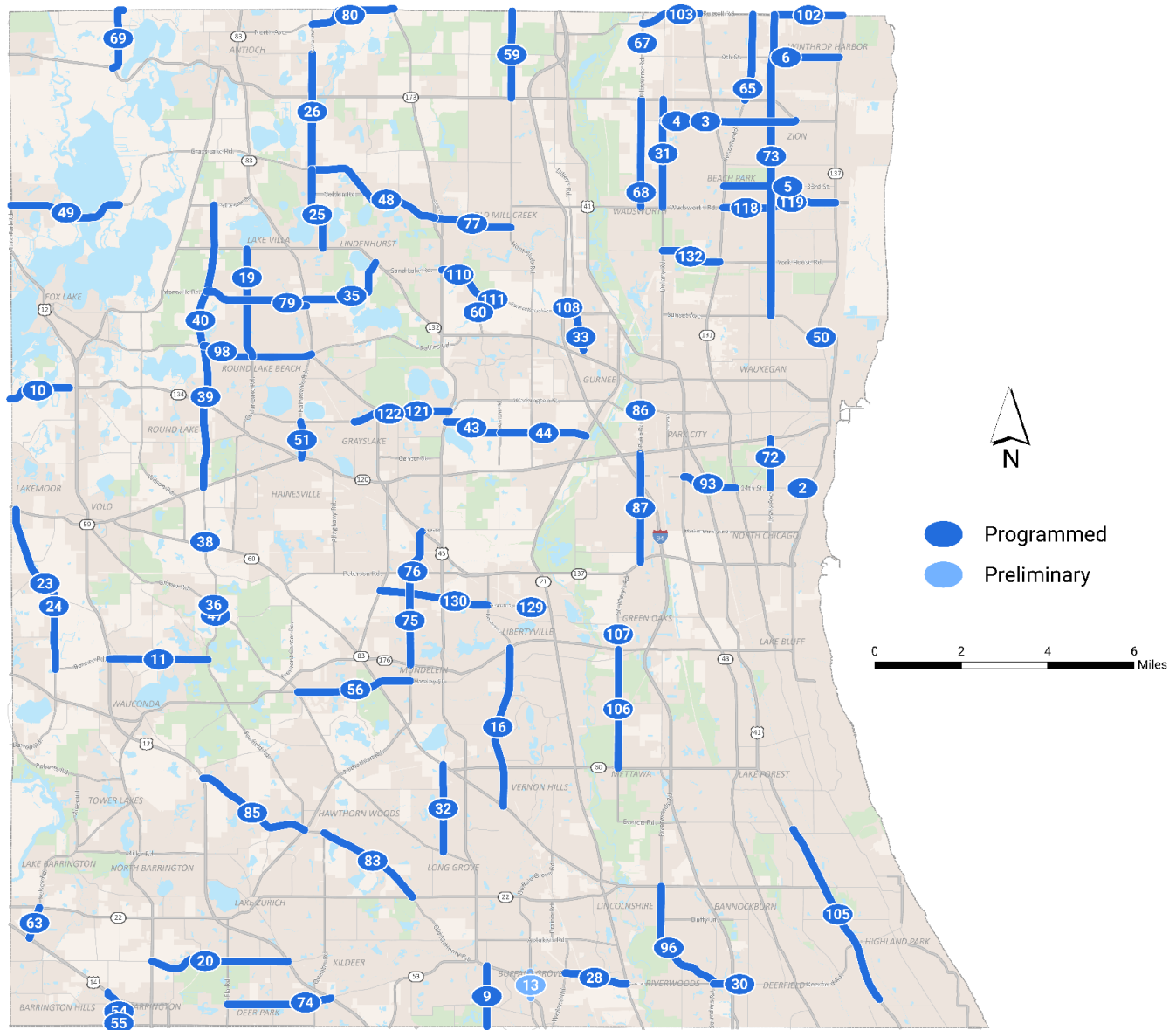
ARGUS System Preservation Projects

[result of data analysis]



Source: LCDOT Design Dept. 3/16/2020

Preservation | 2020 – 2025 Program



Preservation Projects

Preservation Projects				
Map ID	Route	Work Type	Program Year	CPMS PIN
2	14th St.	Resurfacing	2020	B-01002b
3	21st St.	Resurfacing	2021	B-01548a
4	21st St.	Culvert Rehabilitation	2021	B-01548b
5	33rd St.	Resurfacing	2021	B-01489
6	9th St.	Microsurfacing	2022	B 01536
9	Arlington Heights. Rd.	Reconstruction	2024	D-01182
10	Big Hollow Rd.	Resurfacing	2022	B-01492
11	Bonner Rd.	Resurfacing	2023	B-01382
13	Buffalo Grove Rd.	Reconstruction	Post-2025	B-01359
16	Butterfield Rd.	Resurfacing	2020	B-01393
20	Cuba Rd.*	Microsurfacing	2024	B-01579
23	Darrell Rd.	Culvert Replacement	2022	B-00141c
24	Darrell Rd.*	Microsurfacing	2022	B-01575
25	Deep Lake Rd.	3R Resurfacing	2021	B-00913a
26	Deep Lake Rd.	Resurfacing	2021	B-00913b
28	Deerfield Pkwy.	Full Depth Patching	2021	B-01549
30	Deerfield Rd.	Resurfacing	2020	B-01397
31	Delany Rd.*	Microsurfacing	2025	B-01584
32	Diamond Lake Rd.*	Resurfacing	2025	B-01585
33	Dilley's Rd.	Resurfacing	2024	B 01485
35	Engle Dr.	Resurfacing	2021	B-01354
36	Fairfield & Gilmer Connector Ramp*	Resurfacing	2022	B-01574
38	Fairfield Rd.	Retaining Wall Maintenance	2021	B-01425
39	Fairfield Rd.	Culvert Replacement	2022	B-01434
40	Fairfield Rd.*	Resurfacing	2025	B-01586
43	Gages Lake Rd.	Resurfacing/Microsurfacing	2022	B-01537
44	Gages Lake Rd.*	Culvert Replacements	2020	B-01619
47	Gilmer Rd.*	Bridge Rehabilitation	2020	B-01612
48	Grass Lake Rd.	Culvert Repairs and Resurfacing	2019	B-01399a
49	Grass Lake Rd.*	Resurfacing	2025	B-01587
50	Greenwood Ave.	Microsurfacing	2023	B 01541
51	Hainesville Rd.	Resurfacing	2019	B-01480a
54	Hart Rd	Culvert Replacement	2023	B-01372b
55	Hart Rd.*	Resurfacing	2025	B-01588
56	Hawley St.	Resurfacing	2022	B-01490
59	Hunt Club Rd.	Resurfacing	2023	B-01539
60	Hutchins Rd.	Culvert Replacement	2019	B-01372a
63	Kelsey Rd.*	Resurfacing	2025	B-01589

*new to this year's 5-year program

Preservation Projects *(cont'd)*

Preservation Projects				
Map ID	Route	Work Type	Program Year	CPMS PIN
65	Kenoshia Rd.	Resurfacing/Microsurfacing	2021	B-01542
67	Kilbourne Rd.	Bridge Repairs	2019	B-01476
68	Kilbourne Rd.*	Resurfacing	2022	B-01576
69	Lake Ave.*	Resurfacing	2024	B-01580
72	Lewis Ave.	Reconstruction	2024	B-01452b
73	Lewis Ave.	Microsurfacing	2023	B-01493
74	Long Grove Rd.	Resurfacing/Microsurfacing	2022	B-01483
75	Midlothian Rd.	Culvert Replacements	2020	B-01371b
76	Midlothian Rd.*	Resurfacing/Microsurfacing	2024	B-01581
77	Millburn Rd.	Culvert Repairs and Resurfacing	2020	B 01399b
79	Monaville Rd.	Resurfacing	2025	B-01538
80	North Ave.*	Resurfacing	2024	B-01582
83	Old McHenry Rd.	Microsurfacing	2023	B-01484
85	Old McHenry Rd.*	Microsurfacing	2025	B-01590
86	O'Plaine Rd.	Drainage Improvements	2020	B-01453
87	O'Plaine Rd.*	Microsurfacing	2024	B-01583
93	Pulaski Dr.*	Microsurfacing	2023	B-01577
96	Riverwoods Rd.	Resurfacing	2024	B-01494
98	Rollins Rd.	Resurfacing	2025	B-01495
102	Russell Rd.	Resurfacing	2021	B-01535
103	Russell Rd.*	Resurfacing	2023	B-01578
105	Skokie Valley Bike Path*	Culvert Repairs	2020	B-01618
106	St. Mary's Rd.	3R Resurfacing	2020	B 01381
107	St. Mary's Rd.	Culvert Replacement	2019	B-01511
108	Stearns School Rd.	Bridge Replacement	2020	B-01102
110	Stearns School Rd.	Resurfacing	2023	B-01496
111	Stearns School Rd.	Culvert Replacement	2023	B-01499
118	Wadsworth Rd.	3R Resurfacing	2023	B-01402a
119	Wadsworth Rd.	Drainage Improvements	2020	B-01402b
121	Washington St.	Culvert Replacement	2019	B-01370
122	Washington St.	Resurfacing	2021	B-01479
129	Winchester Rd.	Culvert Replacement	2023	B-01501
130	Winchester Rd.*	Resurfacing	2022	B-01573
132	York House Rd.	Resurfacing	2022	B-01534

* New to this year's Five Year Program

Priority Two: Modernization

Typically intersection and safety improvements, bike and pedestrian accommodations

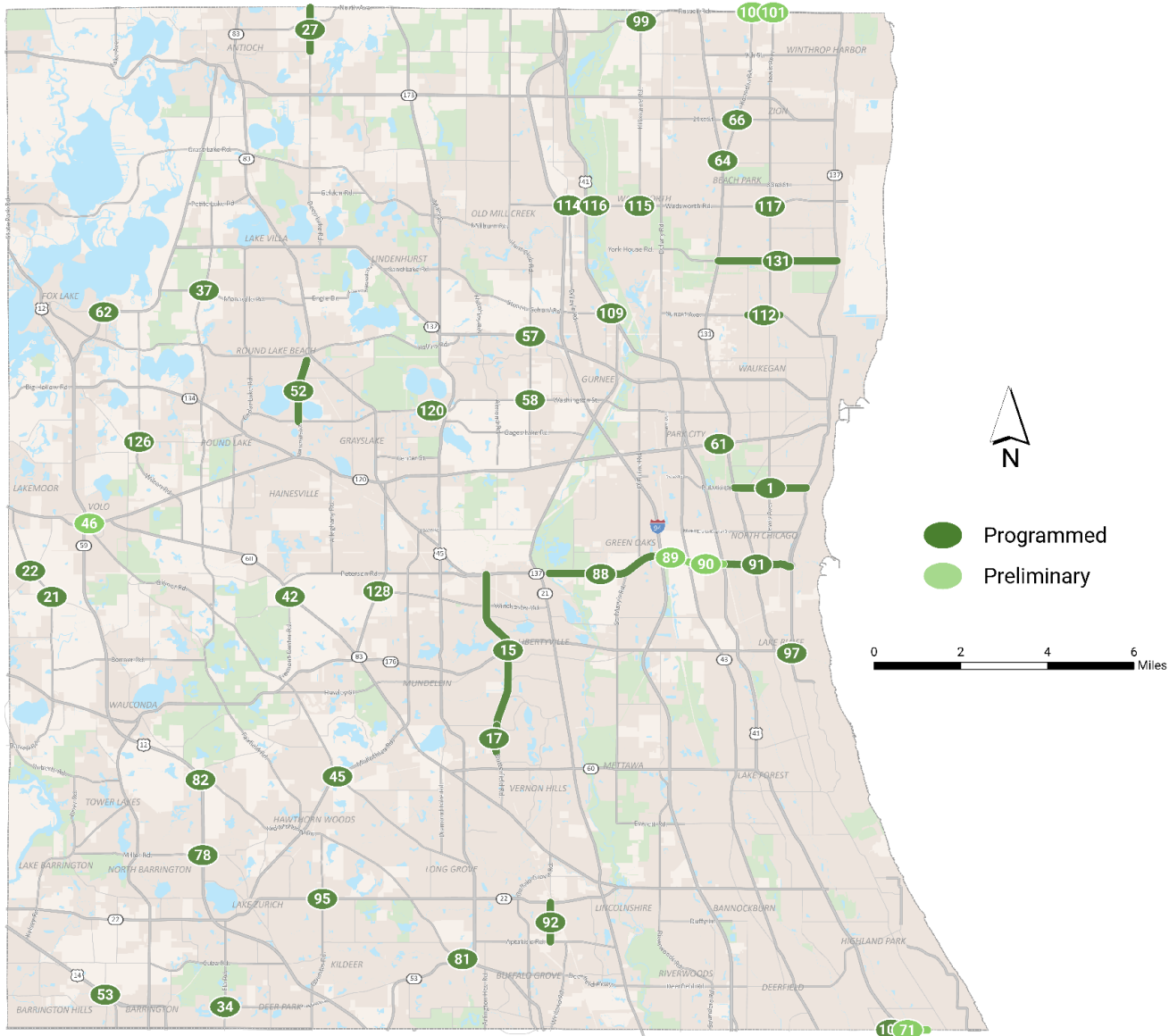
Modernization projects:
approximately

31%
of program

Data + engineering judgement + policy:

- Traffic analysis
- Level of Service data
- Non-motorized policy
- 2040 bike and pedestrian priorities
- Project scoring matrix

Modernization | 2020-2025 Program



Modernization Projects

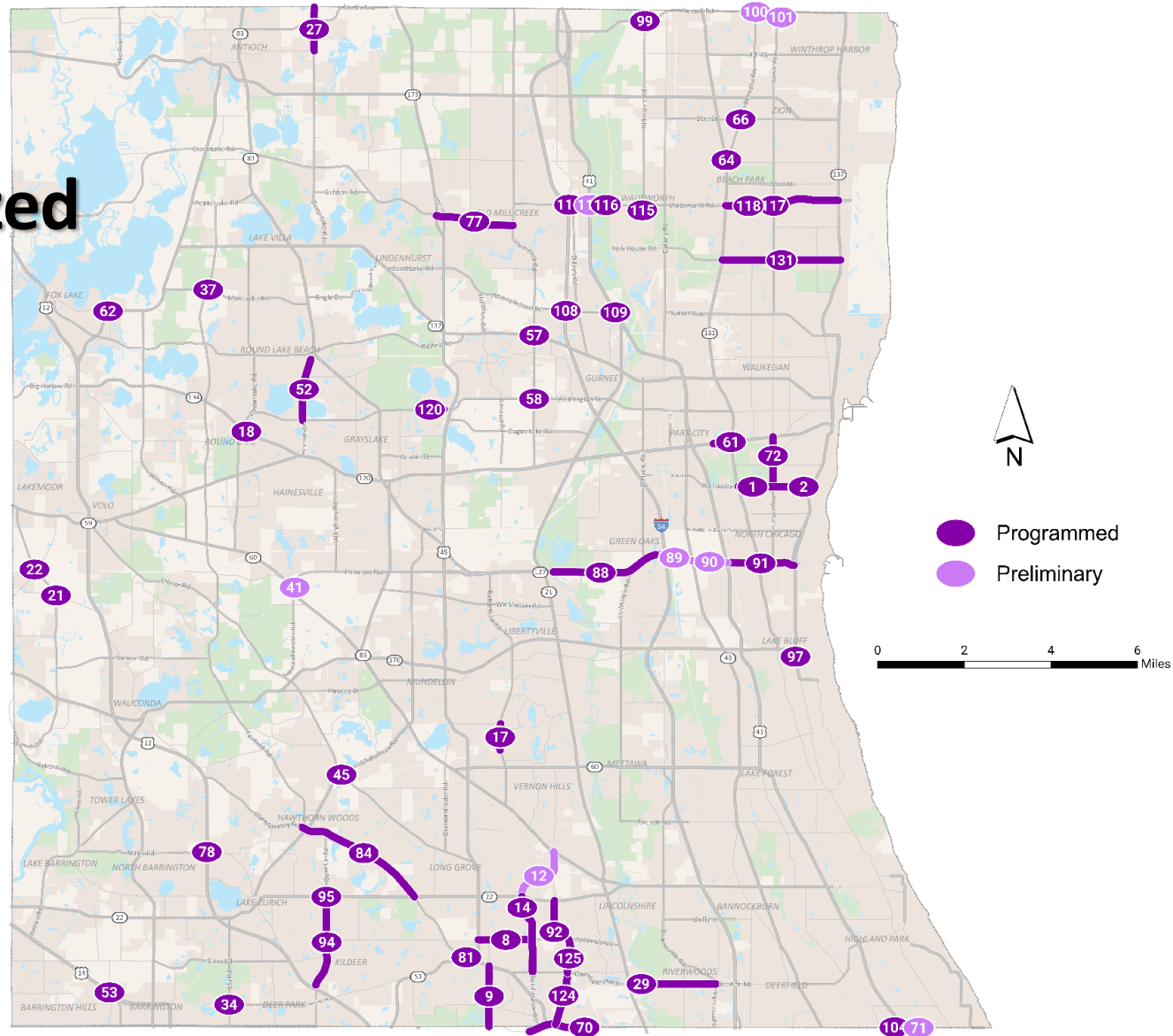
Modernization Projects				
Map ID	Route	Work Type	Program Year	CPMS PIN
1	14th St.	Reconstruct and Widen	2019	B-01002a
15	Butterfield Rd.	Adaptive Traffic Signal Control System	2020	B-01319
17	Butterfield Rd.*	Bike Path	2023	B-01617
21	Darrell Rd.	Intersection Improvement	2021	B-00141a
22	Darrell Rd.	Intersection Improvement	2023	B-00141b
27	Deep Lake Rd.	Intersection Improvements	2022	B-01547
34	Ela Rd.	Intersection Improvement	2022	B-01120
37	Fairfield Rd.	Intersection Improvement	2020	B-01184a
47	Fremont Center Rd.	Intersection Improvement	2020	B-00474c
45	Gilmer Rd.	Intersection Improvement	2020	B-00728a
46	Gilmer Rd.	Realignment	Post 2025	B 00845
52	Hainesville Rd.	Reconstruct and Widen	2024	B-01482
53	Hart Rd.	Intersection Improvement	2019	B-00736
57	Hunt Club Rd.	Intersection Improvement	2019	B-01115
58	Hunt Club Rd.	Intersection Improvement	2022	B-01437
61	IL Rte. 120	Widening	2021	B-00740
62	IL Rte. 59	Intersection Improvement	2021	B-00738
64	Kenosha Rd.	Intersection Improvement	2019	B-00424
66	Kenosha Rd.	Intersection Improvement	2024	B-01548
71	Lake-Cook Rd.*	Bike Path	Post-2025	B-01616
78	Miller Rd.	Intersection Improvement	2021	B-01263
81	Old McHenry Rd.	Reconstruction	2019	B-01020a
82	Old McHenry Rd.	Intersection Improvement	2019	B-01378
88	Patriot Path	Bike Path	2025	B-01181a
89	Patriot Path	Bike Path	Post 2025	B 01181b
90	Patriot Path	Bike Path	Post-2025	B-01181c
91	Patriot Path	Bike Path	2025	B-01181d
92	Prairie Rd.	Reconstruction	2023	B-01500
95	Quentin Rd.*	Enhancements	2020	B-01572
97	Robert McClory Bike Path	Bike Path	2019	B-01192
99	Russell Rd.	Intersection Improvement	2025	B-01445a
100	Russell Rd.	Intersection Improvement	Post-2025	B-01445b
101	Russell Rd.	Intersection Improvement	Post-2025	B-01445c
104	Skokie Valley Bike Path	Bike Path Bridge	2021	B-01150
109	Stearns School Rd.	Intersection Improvement	2021	B-01361
112	Sunset Ave.	ITS PASSAGE	2020	B 01033
114	Wadsworth Rd.	Intersection Improvement	2020	B-00737b
115	Wadsworth Rd.	Intersection Improvement	2021	B-00737c
116	Wadsworth Rd.	Intersection Improvement	2020	B-00737e
117	Wadsworth Rd.	Intersection Improvement	2021	B-01119
120	Washington St.	Bike Path	2019	B-01088
126	Wilson Rd.	Intersection Improvement	2017	D-00594
128	Winchester Rd.	Intersection Improvement	2022	B-01365
131	York House Rd.	Reconstruct and Widen	2024	B-01509

* New to this year's Five Year Program

\$40M

in non-motorized improvements

- **6%** of 6-year programmed expenditures
- Bike paths
- Bike-friendly shoulders
- Sidewalks and sidewalk gap improvements
- Pedestrian accommodation

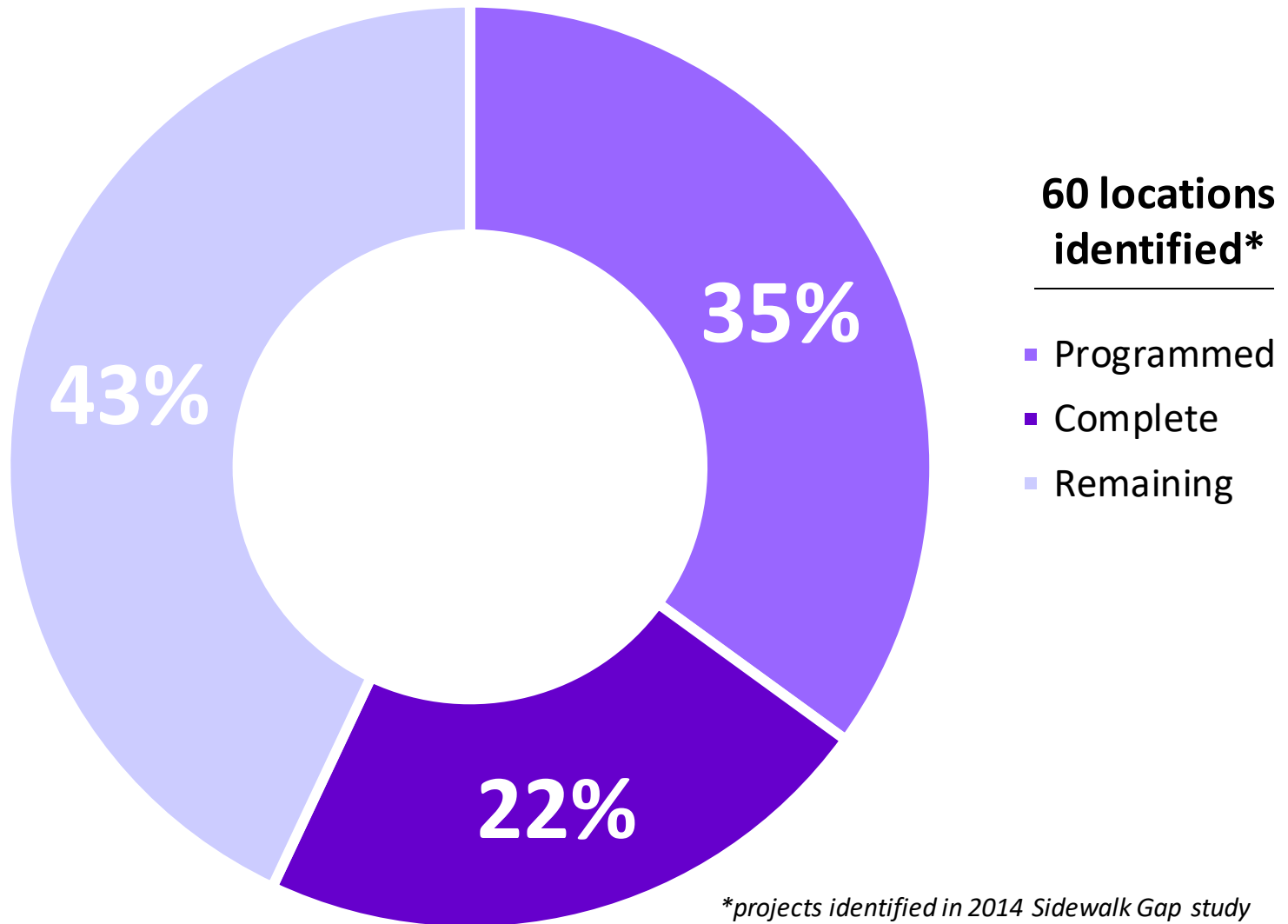


Non-motorized improvements

Non-Motorized Accommodations Projects				
Map ID	Route	Non-Motorized Improvement Type	Program Year	CPMS PIN
1	14th St.	Bike Path, Paved Shoulder, Sidewalk	2019	B-01002a
2	14th St.	Paved Shoulder	2020	B-01002b
8	Aptakisic Rd.	Bike Path, Paved Shoulder, Sidewalk	2022	B-00739a
9	Arlington Heights Rd.	Paved Shoulder, Sidewalk	2024	B-01182
12	Buffalo Grove Rd.	Bike Path, Paved Shoulder, Sidewalk	Post-2025	B-01358
14	Buffalo Grove Rd.	Bike Path, Paved Shoulder, Sidewalk	2020	E-00559
17	Butterfield Rd.*	Bike Path	2023	B-01617
18	Cedar Lake Rd	Bike Path, Paved Shoulder, Sidewalk	2023	B-00752
21	Darrell Rd.	Bike Path, Paved Shoulder	2021	B-00141a
22	Darrell Rd.	Bike Path, Paved Shoulder	2023	B-00141b
27	Deep Lake Rd.	Bike Path, Paved Shoulder	2022	B-01547
29	Deerfield Rd.	Bike Path, Paved Shoulder, Sidewalk	2023	B-01266a
34	Ela Rd.	Bike Lanes, Bike Path	2022	B-01120
37	Fairfield Rd.	Bike Path, Sidewalk	2020	B-01184a
41	Fremont Center Rd.	Paved Shoulder	Post-2025	B-00474a
45	Gilmer Rd.	Bike Path, Paved Shoulder, Sidewalk	2020	B-00728a
52	Hainesville Rd.	Bike Path, Paved Shoulder, Sidewalk	2024	B-01482
53	Hart Rd.	Bike Path, Paved Shoulder, Sidewalk	2019	B-00736
57	Hunt Club Rd.	Paved Shoulder, Sidewalk	2019	B-01115
58	Hunt Club Rd.	Bike Path, Sidewalk	2022	B-01437
61	IL Rte. 120	Sidewalk	2021	B-00740
62	IL Rte. 59	Bike Path, Sidewalk	2021	B-00738
64	Kenosha Rd.	Paved Shoulder	2019	B-00424
66	Kenosha Rd.	Bike Path, Paved Shoulder, Sidewalk	2024	B-01548
70	Lake-Cook Rd.	Bike Path, Paved Shoulder, Sidewalk	2019	B-01040
71	Lake-Cook Rd.*	Bike Path	Post-2025	B-01616
72	Lewis Ave.	Bike Path, Paved Shoulder, Sidewalk	2024	B-01452b
77	Millburn Rd.	Paved Shoulder, Sidewalk	2020	B-01399b
78	Miller Rd.	Sidewalk	2021	B-01263
81	Old McHenry Rd.	Bike Path, Sidewalk	2019	B-01020a
84	Old McHenry Rd.	Bike Path, Paved Shoulder, Sidewalk	2025	B-01546
88	Patriot Path	Bike Path	2025	B-01181a
89	Patriot Path	Bike Path	Post-2025	B-01181b
90	Patriot Path	Bike Path	Post-2025	B-01181c
91	Patriot Path	Bike Path	2025	B-01181d
92	Prairie Rd.	Bike Path, Paved Shoulder, Sidewalk	2023	B-01500
94	Quentin Rd.	Bike Path, Paved Shoulder, Sidewalk	2019	B-00378a
95	Quentin Rd.*	Bike Path, Sidewalk	2020	B-01572
97	Robert McClory Bike Path	Bike Path	2019	B-01192
99	Russell Rd.	Bike Path, Paved Shoulder	2025	B-01445a
100	Russell Rd.	Bike Path, Paved Shoulder	Post-2025	B-01445b
101	Russell Rd.	Bike Path, Paved Shoulder	Post-2025	B-01445c
104	Skokie Valley Bike Path	Bike Path	2021	B-01150
108	Stearns School Rd.	Bike Path, Paved Shoulder, Sidewalk	2020	B-01102
109	Stearns School Rd.	Paved Shoulder	2021	B-01361
113	Wadsworth Rd.	Bike Path, Paved Shoulder, Sidewalk	Post-2025	B-00737a
114	Wadsworth Rd.	Paved Shoulder	2020	B-00737b
115	Wadsworth Rd.	Bike Path, Sidewalk	2021	B-00737c
116	Wadsworth Rd.	Bike Path, Sidewalk	2020	B-00737e
117	Wadsworth Rd.	Bike Path, Sidewalk	2021	B-01119
118	Wadsworth Rd.	Bike Path, Paved Shoulder, Sidewalk	2023	B-01402a
120	Washington St.	Bike Path	2019	B-01088
124	Weiland Rd.	Bike Path, Paved Shoulder, Sidewalk	2019	E-00259b
125	Weiland Rd.	Bike Path, Paved Shoulder, Sidewalk	2019	E-00259c
131	York House Rd.	Paved Shoulder, Sidewalk	2024	B-01509

* New to this year's Five Year Program

Closing sidewalk gaps



Priority Three: Expansion

Typically add lanes, provide grade separations, new or extended roads

Expansion projects:
approximately

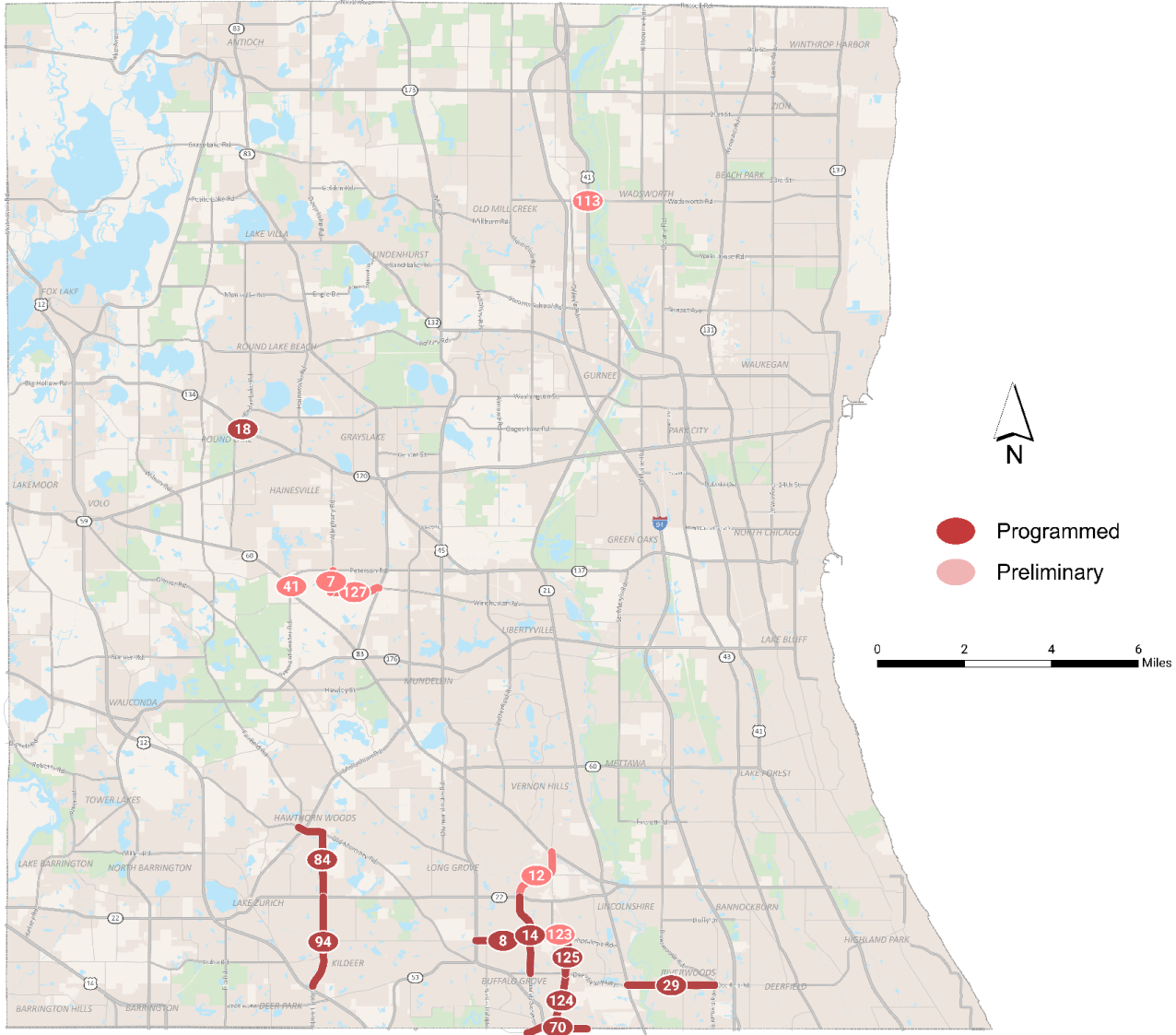
37%

of program

Data + engineering judgement + planning:

- 2040 plan
- State Consensus list
- Project scoring matrix
- Demographic trends
- Land use trends
- Traffic data
- CMAP's On To 2050
- IDOT's MYP

Expansion | 2020-2025 Program



Expansion Projects

Expansion Projects				
Map ID	Route	Work Type	Program Year	CPMS PIN
7	Alleghany Rd.	Roadway Extension	Post-2025	B-00466a
8	Aptakisic Rd.	Widening	2022	B-00739a
12	Buffalo Grove Rd.	Reconstruct and Widen	Post-2025	B-01358
14	Buffalo Grove Rd.	Reconstruct and Widen	2020	E-00559
18	Cedar Lake Rd	Downtown Development Plan	2023	B-00752
29	Deerfield Rd.	Reconstruct and Widen	2023	B-01266a
41	Fremont Center Rd.	Roadway Extension	Post-2025	B-00474a
70	Lake-Cook Rd.	Roadway Improvements	2019	B-01040
84	Old McHenry Rd.	Reconstruct and Widen	2025	B-01546
94	Quentin Rd.	Widening	2019	B-00378a
113	Wadsworth Rd.	Intersection Improvement	Post-2025	B-00737a
123	Weiland Rd.	Roadway Realignment	Post-2025	E-00259a
124	Weiland Rd.	Widening	2019	E-00259b
125	Weiland Rd.	Widening	2019	E-00259c
127	Winchester Rd.	Roadway Extension	Post-2025	B-00559a

Funding and Revenue

LCDOT Capital Program Revenue Streams:



Collected through property tax:

- County Bridge Tax (CB)
- Matching Tax (MT)



State shared usage fees:

- Motor Fuel Tax (MFT)
- Transportation Renewal Fund (MFT)*
- *Rebuild Illinois* bonds*



County share of RTA sales tax:

- ¼% Sales Tax for Transportation (ST)

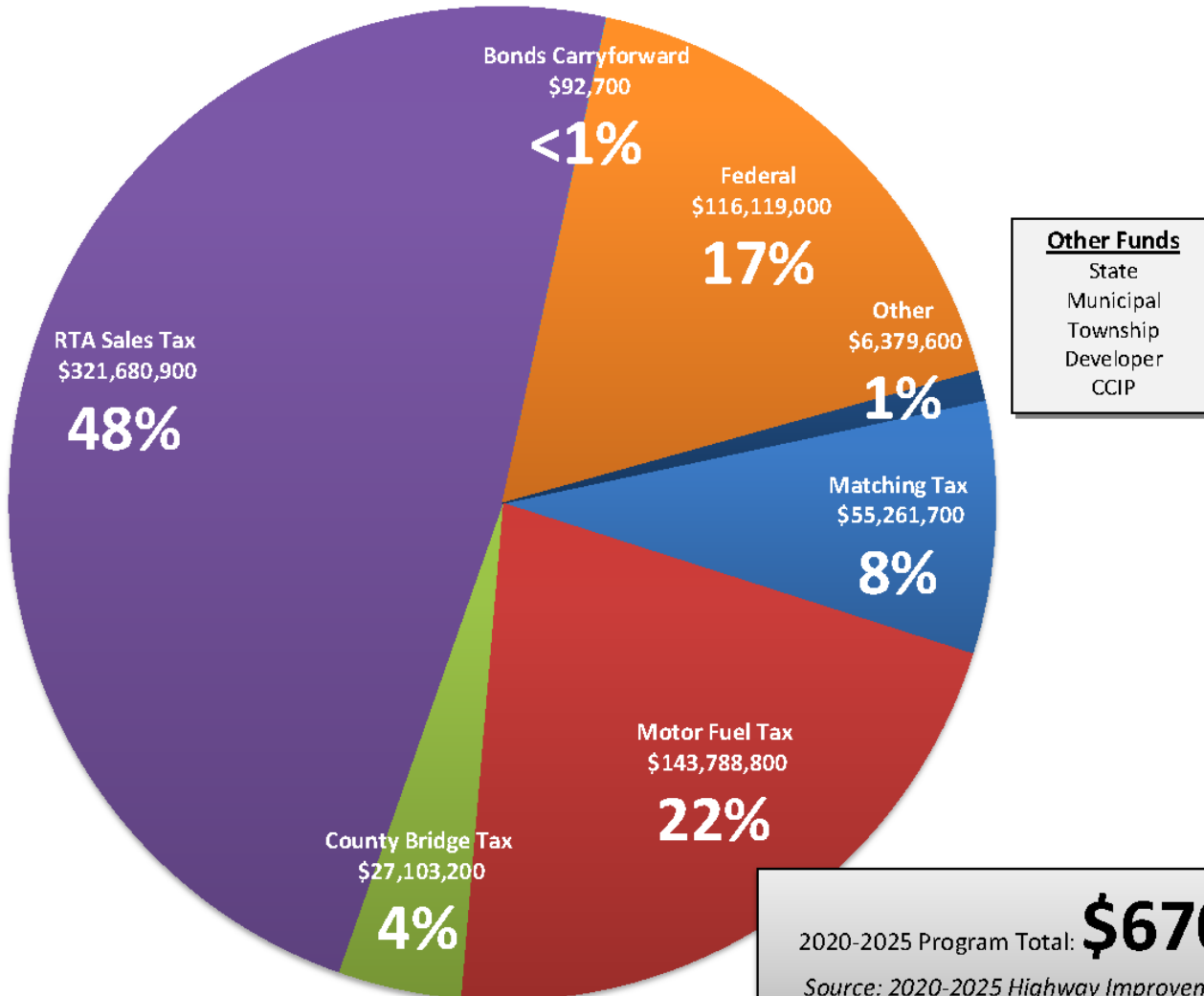
Directed Use of Funds and Transportation Fund Protections

- County Bridge Tax (CB): A real estate tax for drainage items
- County Highway Tax (CHT): A real estate tax for the operation of the Division of Transportation
- Matching Tax (MT): A real estate tax fund for construction
- Motor Fuel Tax (MFT): Revenue received from the state as the county share of the state tax on gasoline
- 1/4% Sales Tax for Transportation and Public Safety (ST): A ¼% sales tax in the county enacted by the RTA
- Illinois Transportation Taxes and Fees Lockbox Amendment (2016 Constitutional Amendment)
- Transportation Funding Protection Act (2019 Rebuild Illinois Capital Bill)
- *Rebuild Illinois* bonds: Received from the state in six allotments over three years that must be spent on bondable transportation projects and be completely expended by July 1, 2025

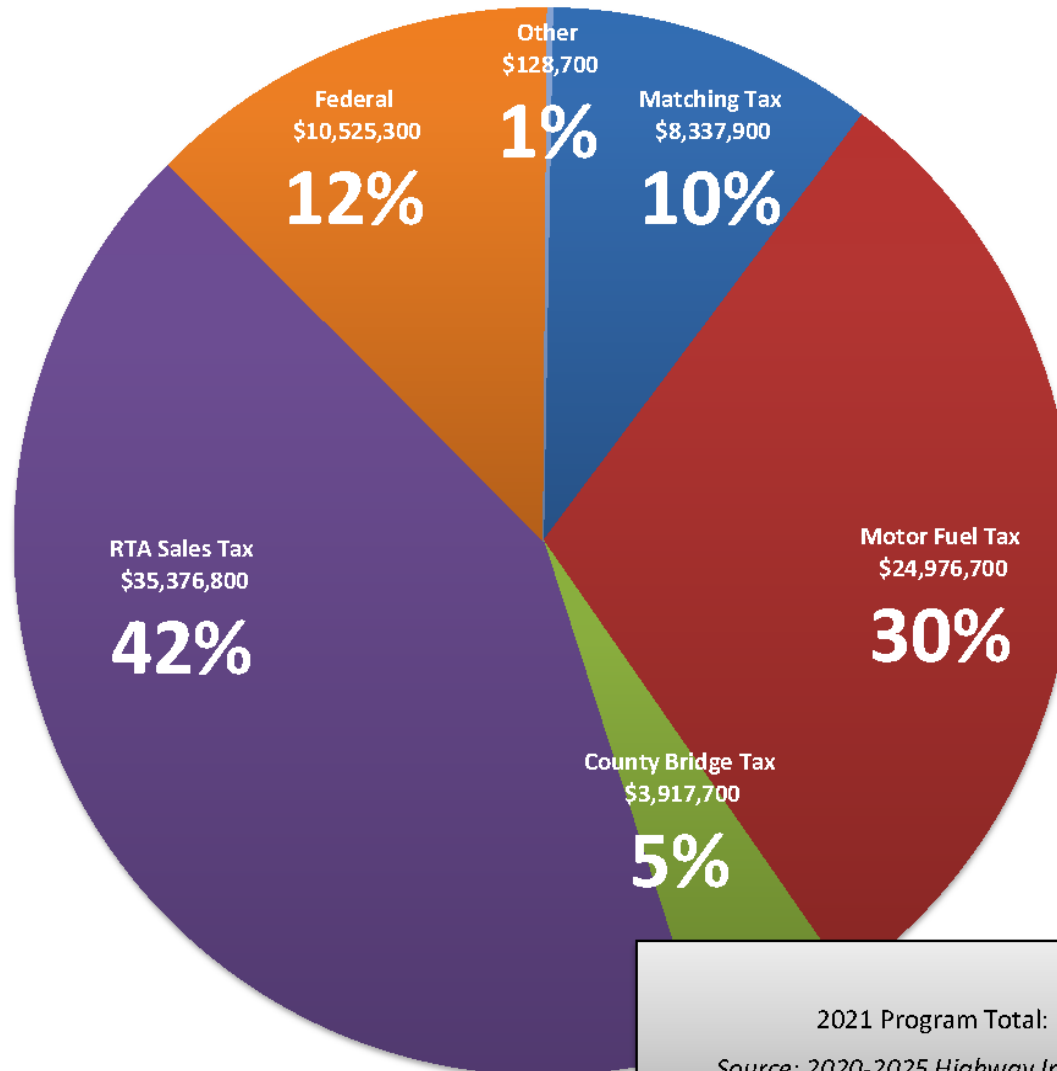
Secured \$116M in Federal Funds for Expanded Programming

- Illinois Commerce Commission (ICC) Railroad Grade Crossing Protection
- Congestion Mitigation and Air Quality (CMAQ)
- Transportation Alternatives Program (TAP)
- Surface Transportation Block Grant (STPL, STPC, STPE)
- 5310 Funds (for Ride Lake County paratransit)
- Highway Bridge Program (HBP)
- Highway Safety Improvement Program (HSIP)
- TIGER/BUILD
- State of Illinois Funds
- *more*

Fund Sources | 2020-2025 program

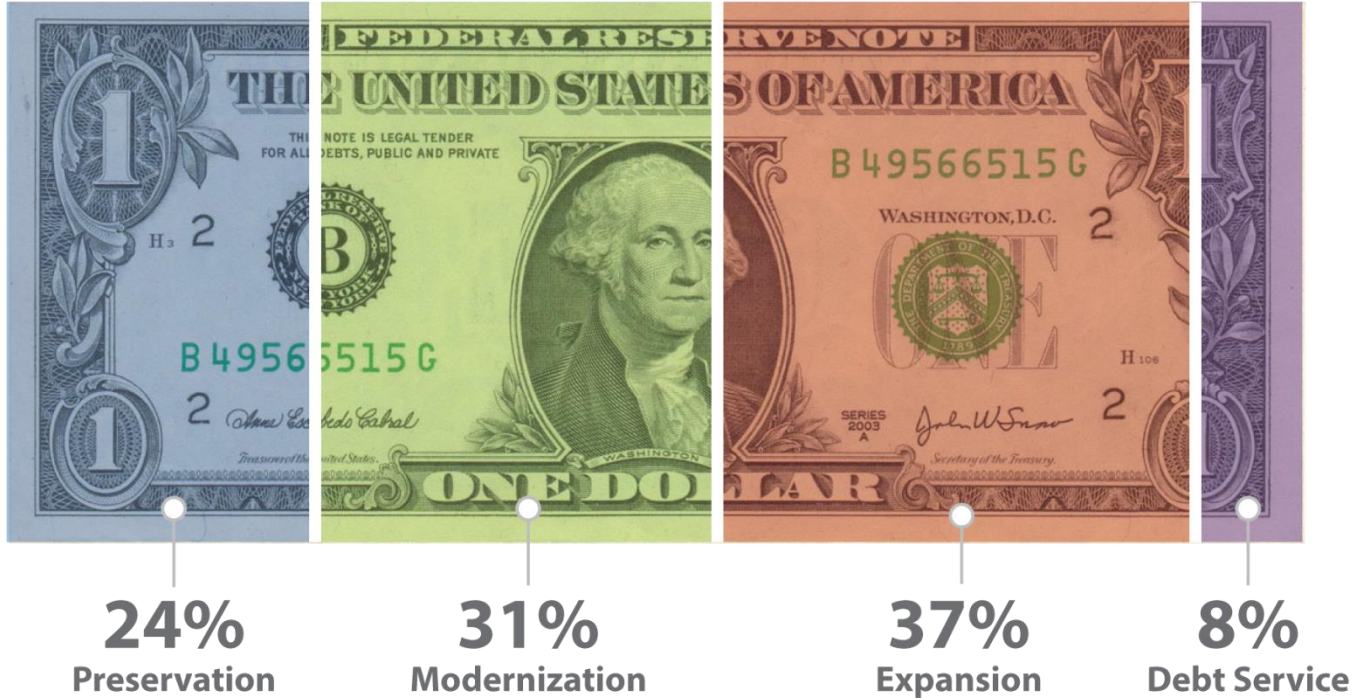


Fund Sources | 2021 program



Balancing Program Needs

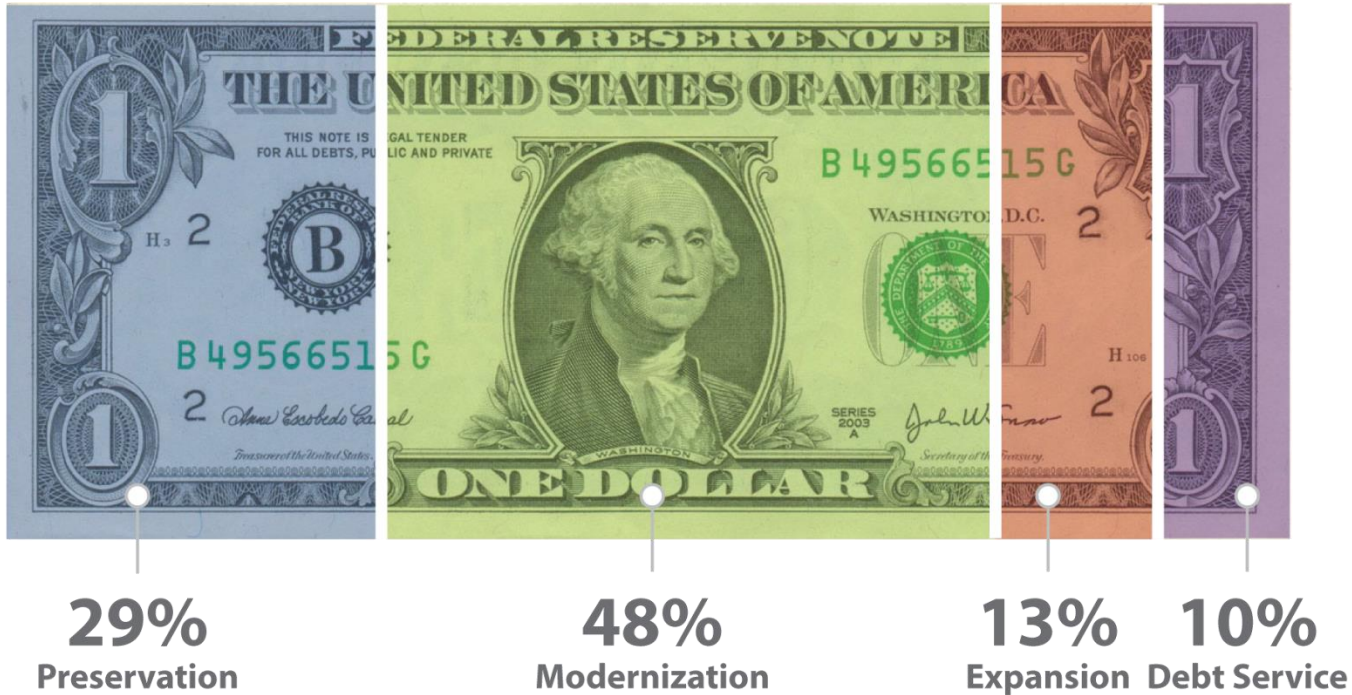
Funds Distribution | 2020-2025 by program category



Source: LCDOT Information Services | CPMS v.5b

Balancing Program Needs

Funds Distribution | 2021 by program category



Source: LCDOT Information Services | CPMS v.5b

Next Step: Digital publication of 5-year Plan and submittal to IDOT



Thank You!

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- twitter.com/lcdot
- Instagram.com/lakecountydot
- lakecountypassage.com

Resources for Program Development

Data and Resources for Preservation Projects



Pavement: Our most obvious asset

903 lane miles

302 centerline miles

203 miles paved shoulder

50 average age of roadway

11 average age of surface

Lake County's Bridges

Highway Bridges:

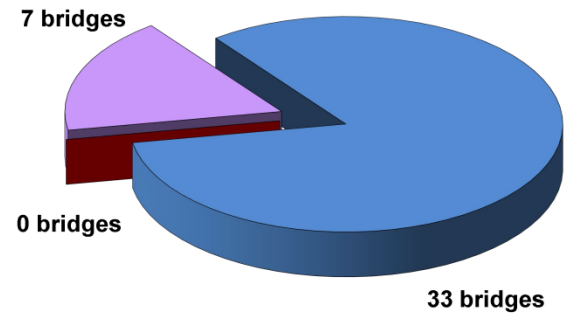
number of bridges **44**
average age [years] **30**
average deck age [years] **18**

Bike and Pedestrian Bridges:

number of bridges **15**
number of tunnels **15**

Sufficiency Ratings: Lake County's Bridges

40 Bridges Rated
Average Rating: 89



<<< worse better >>>

■ lower than 50 ■ 50-80 ■ higher than 80



Accommodating bikes and pedestrians

15 bike/pedestrian bridges

15 tunnels and underpasses

62 miles bike facilities

114 miles bike friendly shoulder

Inventory: Culverts



- Variety of culvert materials:
 - Concrete
 - Corrugated metal pipe (CMP)
 - Composite
 - PVC
- Culverts are routinely inspected

Almost **49,000** feet
in LCDOT inventory

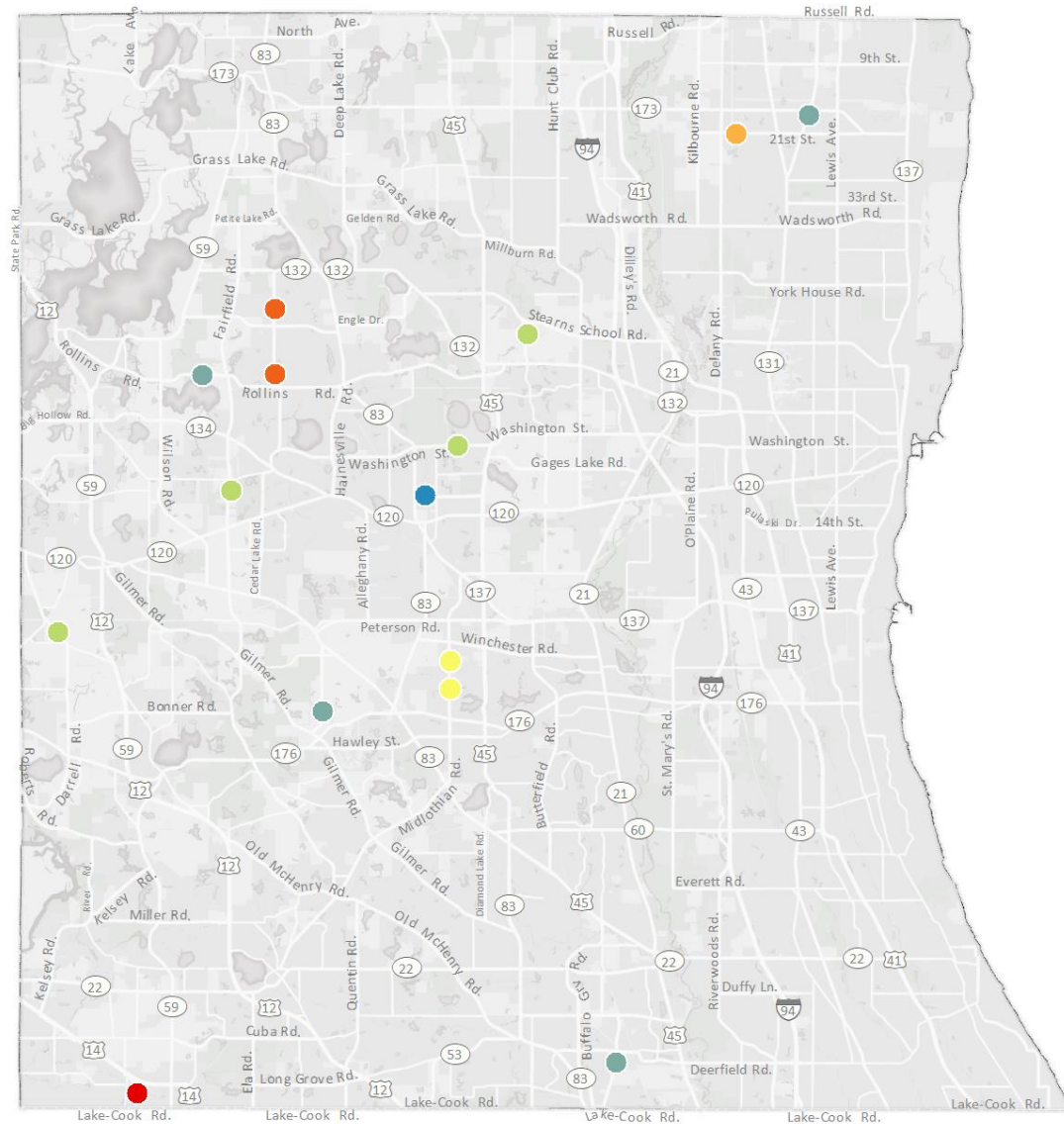
Identifying High Risk Culverts

Project set of 15 culverts:

- Greater than 35 years old
- Corrugated metal pipe
- 36" or larger

Replacement schedule:

- | | |
|--------|------|
| ✓ 2017 | 2021 |
| ✓ 2018 | 2022 |
| ✓ 2019 | 2023 |
| 2020 | |



Inventories: Non-Pavement Assets

- 17,204** Storm sewer structures
- 649** Culverts
- 193** Miles of storm sewer pipe
- 54** Storm water basins
- 48,612** Feet of fencing
- 20,930** Feet of retaining wall
- 21** Miles of guardrail
- 34** Landscape areas (68 acres)



Inventory: Signs

Sign Inventory*

Regulatory	8175
Guide/Destination	10,676
Warning	5364
Information/Object Marker	2703
School	527
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Total	27,445

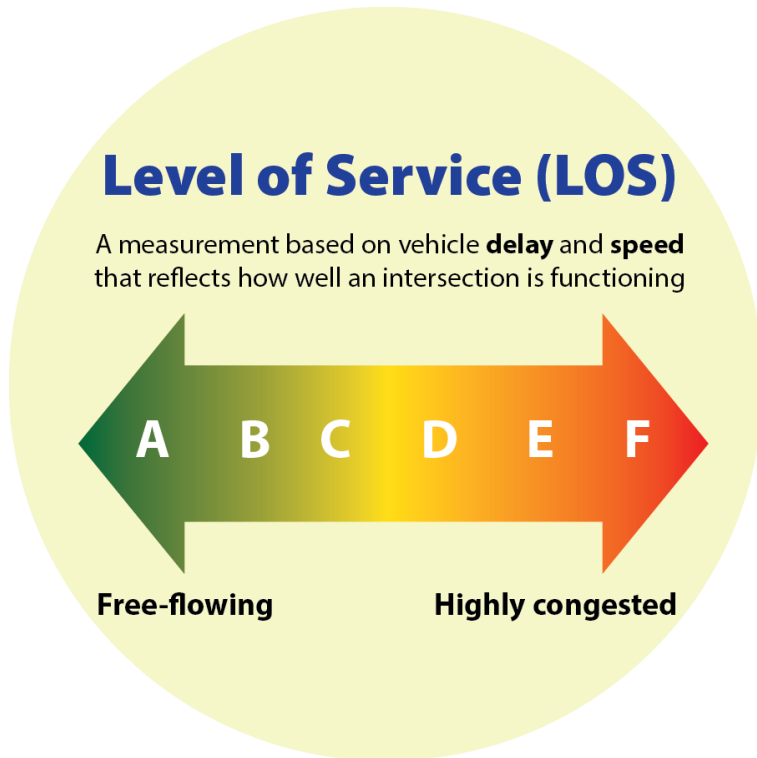
**signs installed and maintained by LCDOT*

Source: LCDOT sign inventory, March 2020

Data and Resources for Modernization Projects

Level of Service Data:

County-involved, signalized intersections and roundabouts



- LCDOT uses *Synchro* traffic analysis software to evaluate intersection operations and performance

• Roundabouts (5 total)

	Level of Service	AM Peak Hour	PM Peak Hour
(best)	A	2	1
	B	3	2
	C	0	2
	D	0	0
	E	0	0
(worst)	F	0	0

• Signalized intersections (313 total)

	Level of Service	AM Peak Hour	PM Peak Hour
(best)	A	97	64
	B	73	73
	C	89	79
	D	33	59
	E	7	22
(worst)	F	14	16

Source: LCDOT Traffic Department 3/2020

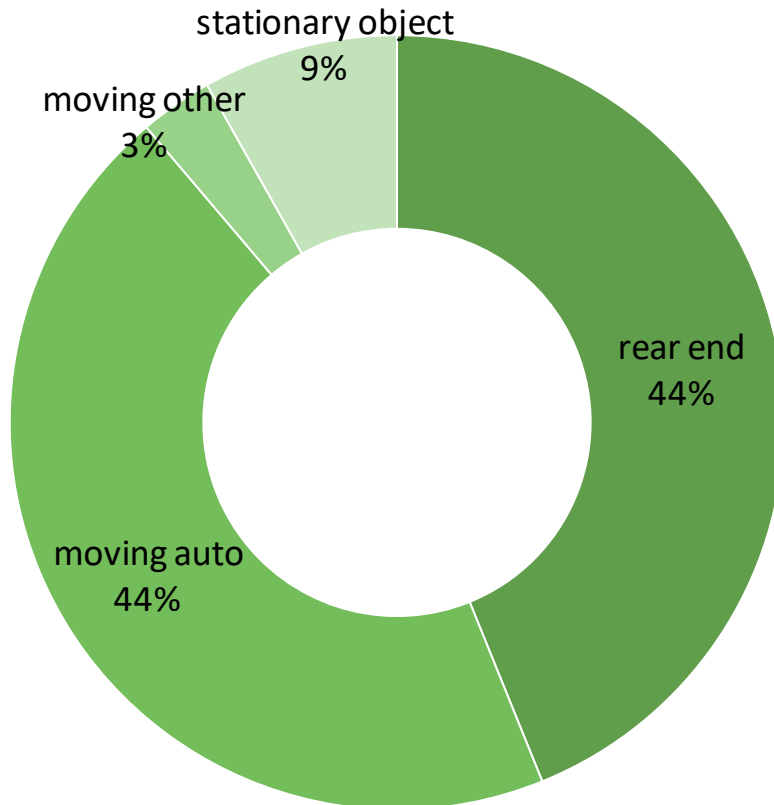
Historical Perspective: Crash Data

5 year averages	2006-2010	2007-2011	2008-2012	2009-2013	2010-2014	2011-2015	2012-2016	2013-2017
Number of crashes	4236	3994	3704	3485	3530	3673	3796	3934
Fatality	8	8	8	7	8	8	10	12
Crash with injury	942	931	952	974	978	1004	1046	1085
Property damage only	3286	3147	2744	2504	2544	2662	2741	2836

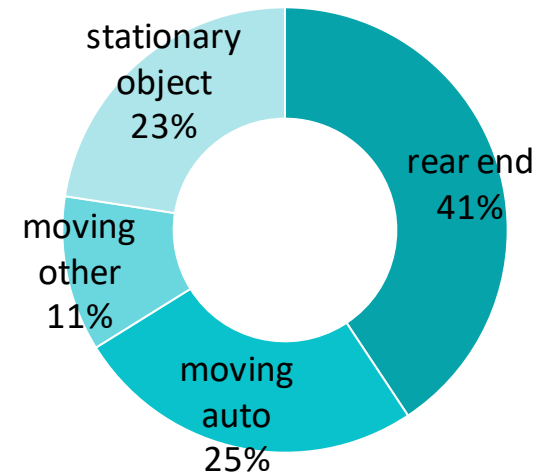
Data Source: MS2 Traffic Crash Location System Report, 2018

Crash Summary *(2018 TDMS Report)*

Crashes at
intersections:
3740 (91%)



Crashes on
roadway sections:
381 (9%)



Lake County's Traffic Signal and Fiber Network

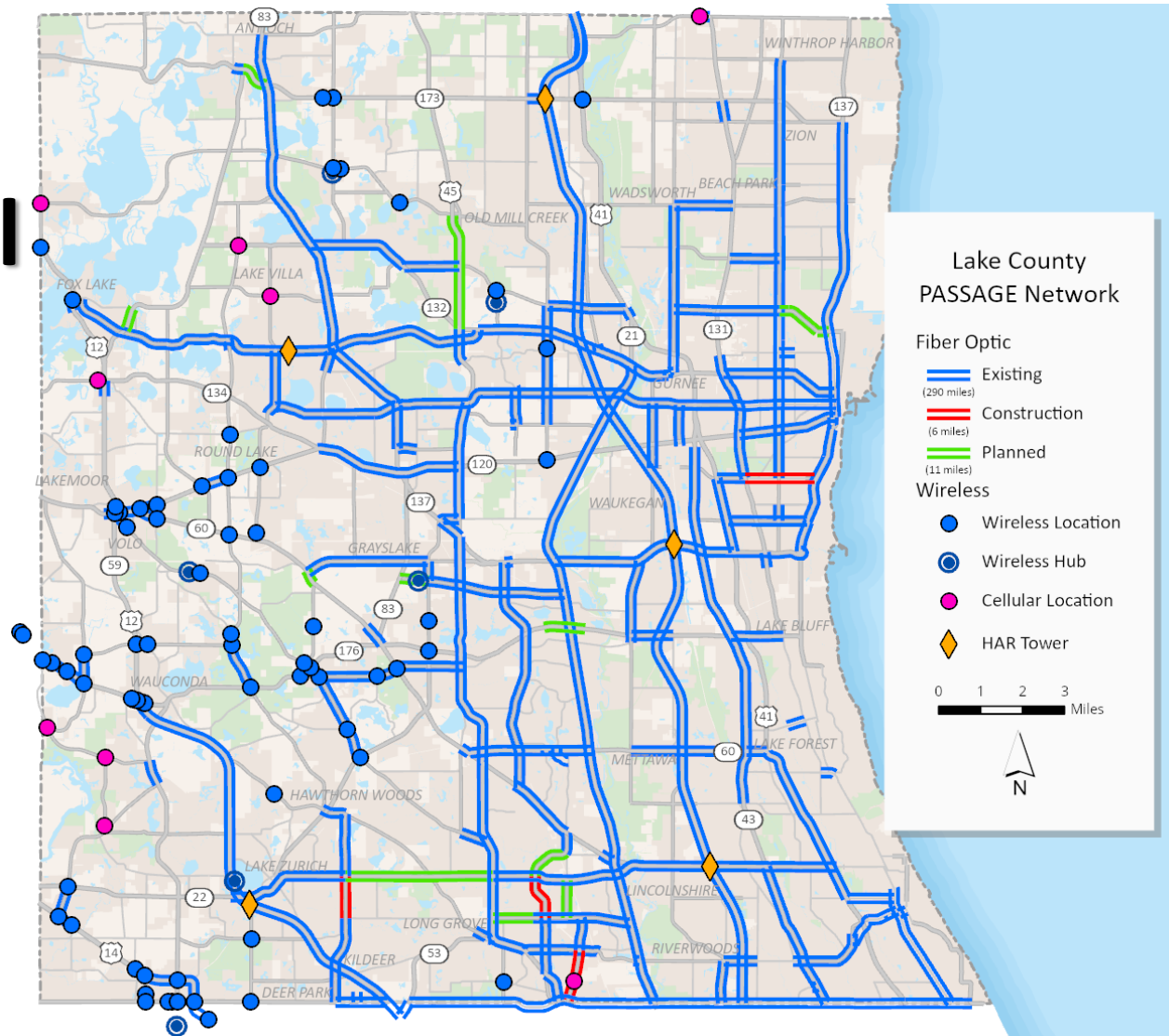
290 miles of fiber optic in place

6 miles under construction

11 miles planned

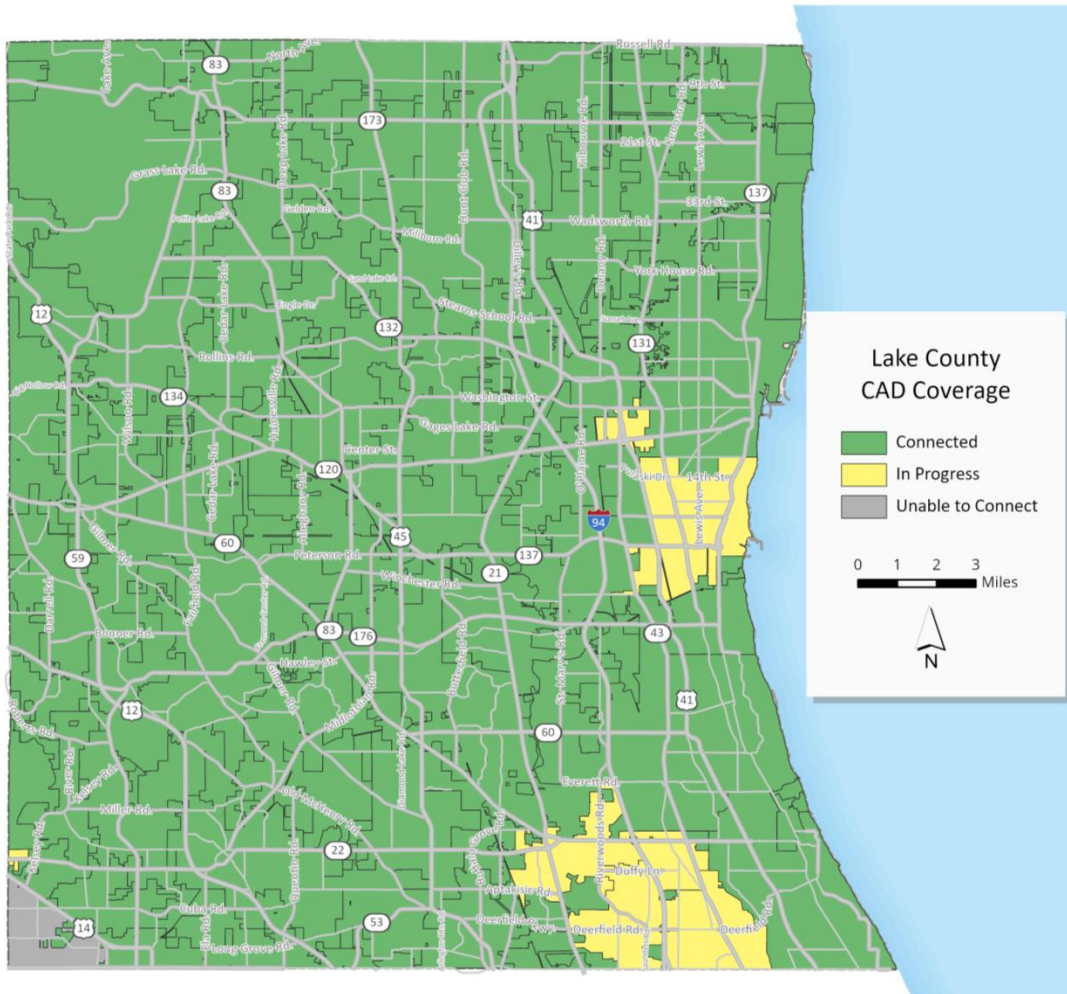
5 Highway Advisory Radio (HAR) towers

613 County-involved signals



Source: LCDOT Traffic Department 5/14/2020

Expanding Computer Aided Dispatch (CAD) Coverage



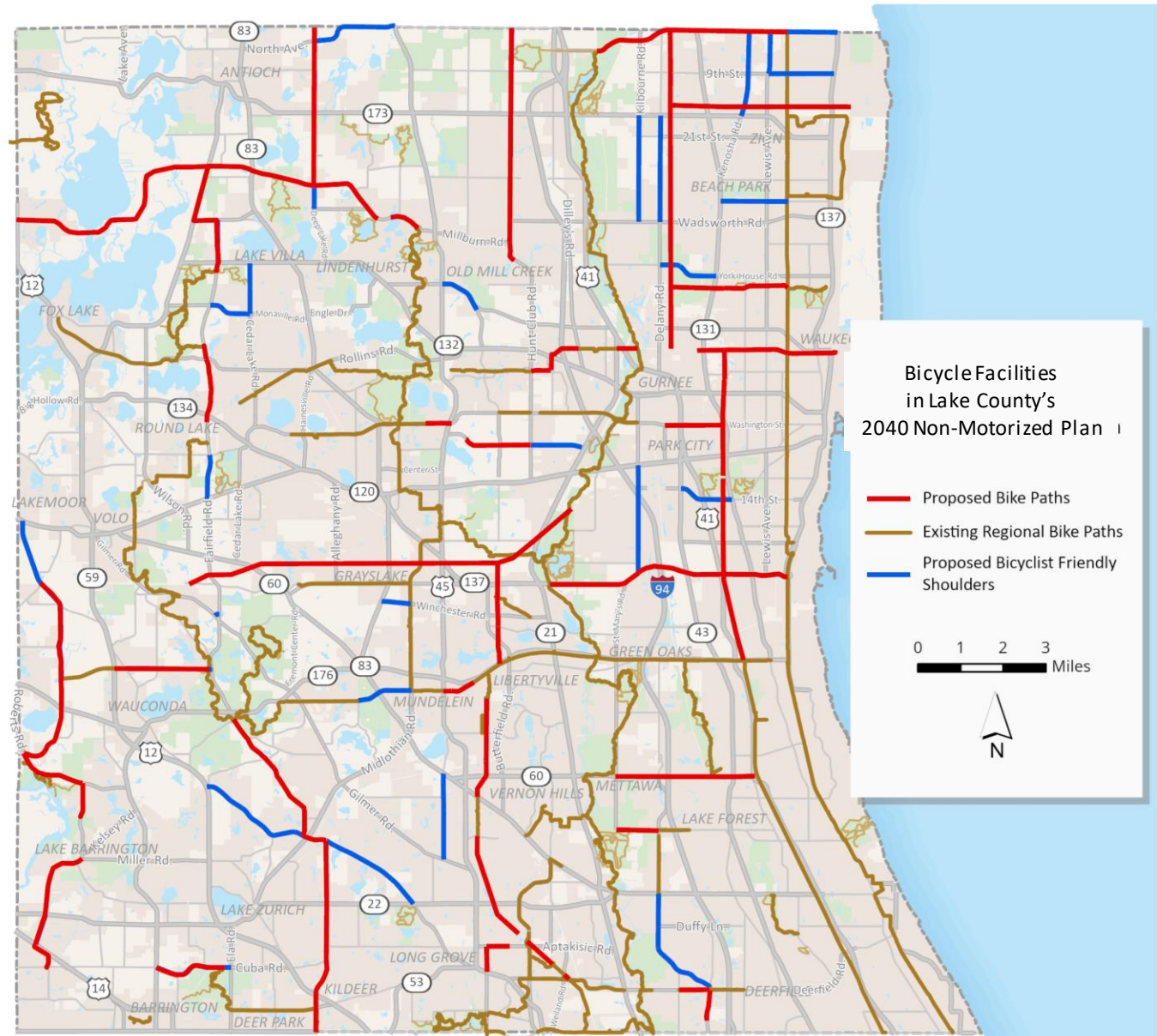
14 connected dispatch centers [via FATPOT]

93% of the county is covered

7% in progress

Bike and Pedestrian Priorities

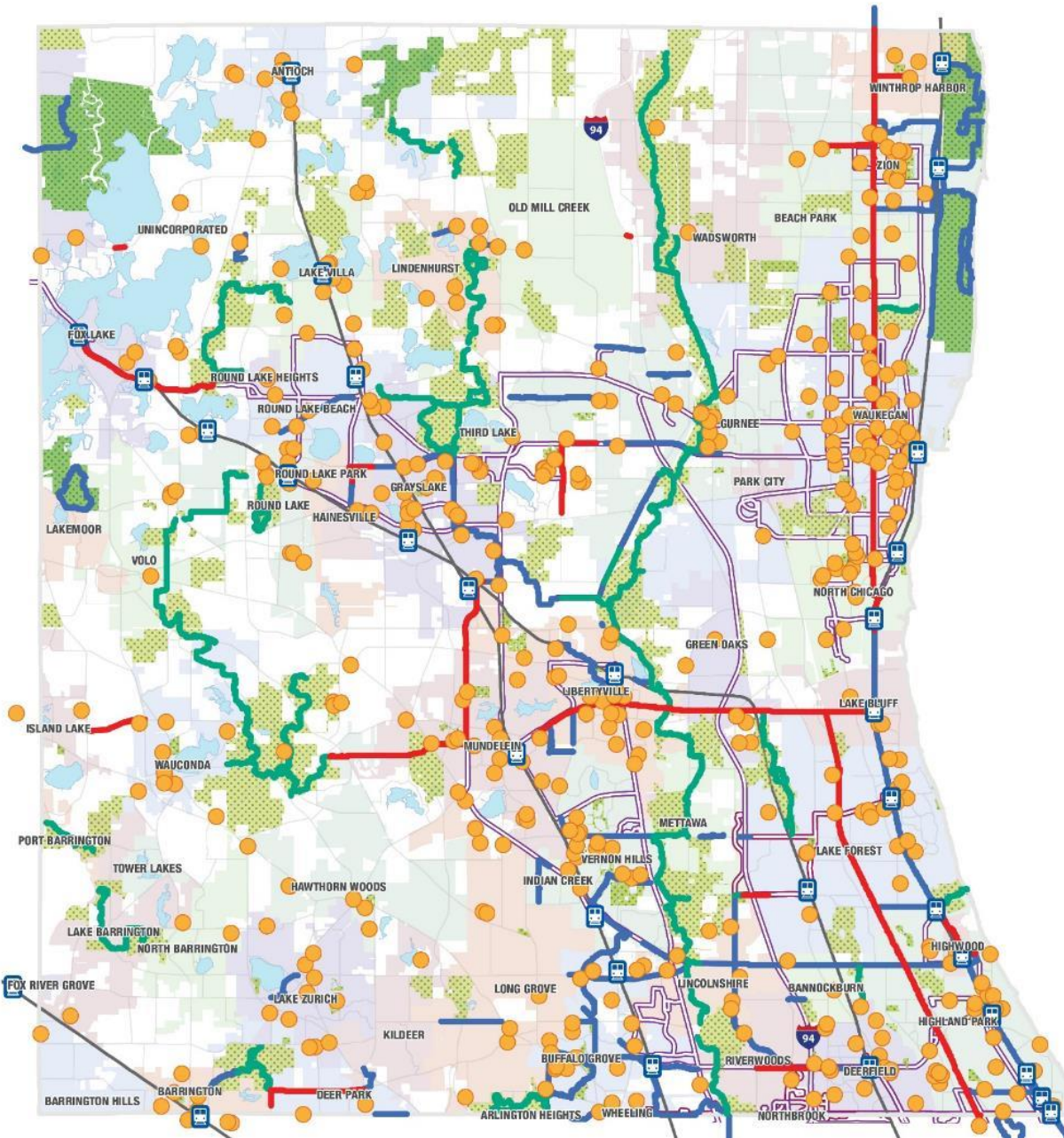
Lake County's 2040 Non-motorized Plan



Source: LCDOT Information Services Group/Design Department 3/23/2020



GAP ANALYSIS



LEGEND

GAP ANALYSIS

- School Site
- Metra Stations
- Metra Lines

EXISTING BIKEWAYS

- Lake County DOT
- Lake County Forest Preserve
- Other Jurisdiction

EXISTING ATTRACTIONS

- State Park
- Lake County Forest Preserve
- Other Parks

EXISTING TRANSIT FEATURES

- Existing Metra Stations
- Metra Lines
- Pace Fixed Routes
- Pace Shuttle Bug Routes



Ongoing Planning Efforts

- Single-occupancy vehicle reduction study
- Wayfinding signage study
- Paratransit Market study

Data and Resources for Expansion Projects

2040 Transportation Plan

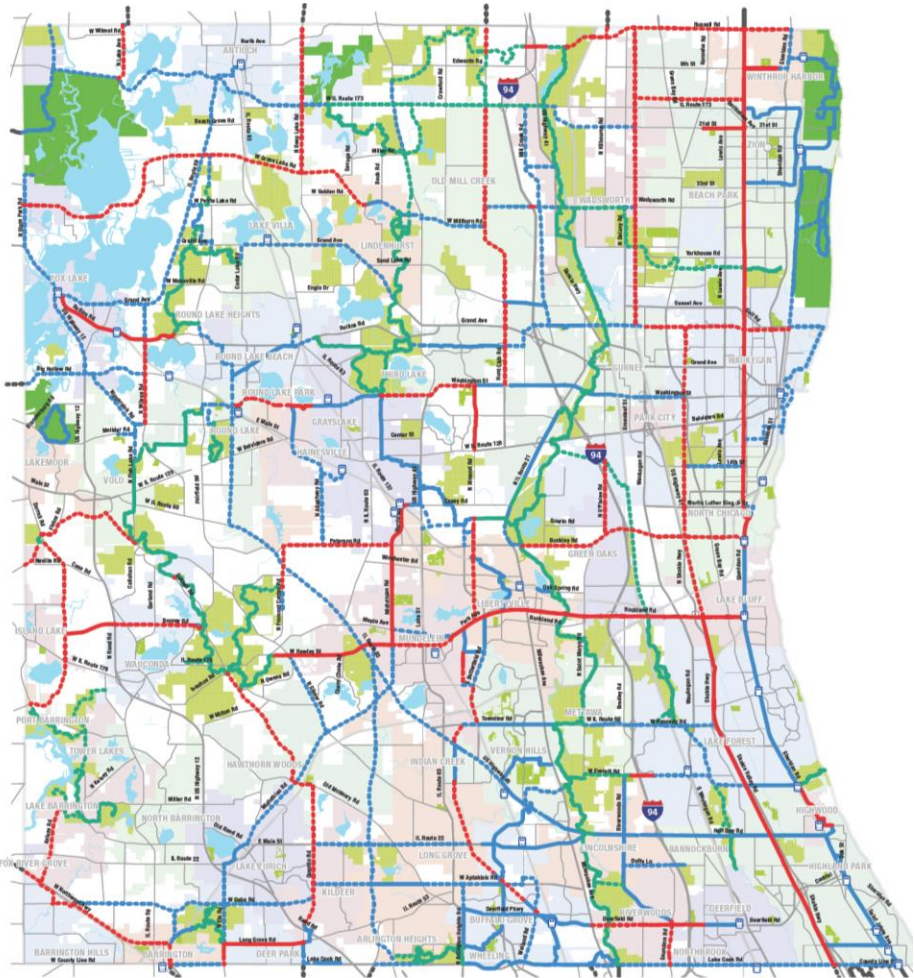


LAKE COUNTY 2040 TRANSPORTATION PLAN

The Lake County 2040 Transportation Plan is a long range plan that identifies deficiencies and recommends improvements necessary to address the future transportation needs of Lake County addressing roadway, transit, and non-motorized modes of travel.



2040 Non-Motorized Priorities



2040 NON-MOTORIZED PLAN

LEGEND

PLANNED BIKEWAYS

- Lake County Division of Transportation
- Lake County Forest Preserve
- Other Jurisdiction

EXISTING BIKEWAYS

- Lake County Division of Transportation
- Lake County Forest Preserve
- Other Jurisdiction

EXISTING ATTRACTIONS

- 🚉 Metra Stations
- 🌳 State Park
- 🌳 Lake County Forest Preserve
- 🌳 Other Parks



2040 Transit Priorities



2040 TRANSIT PLAN

LEGEND

PROPOSED TRANSIT IMPROVEMENTS

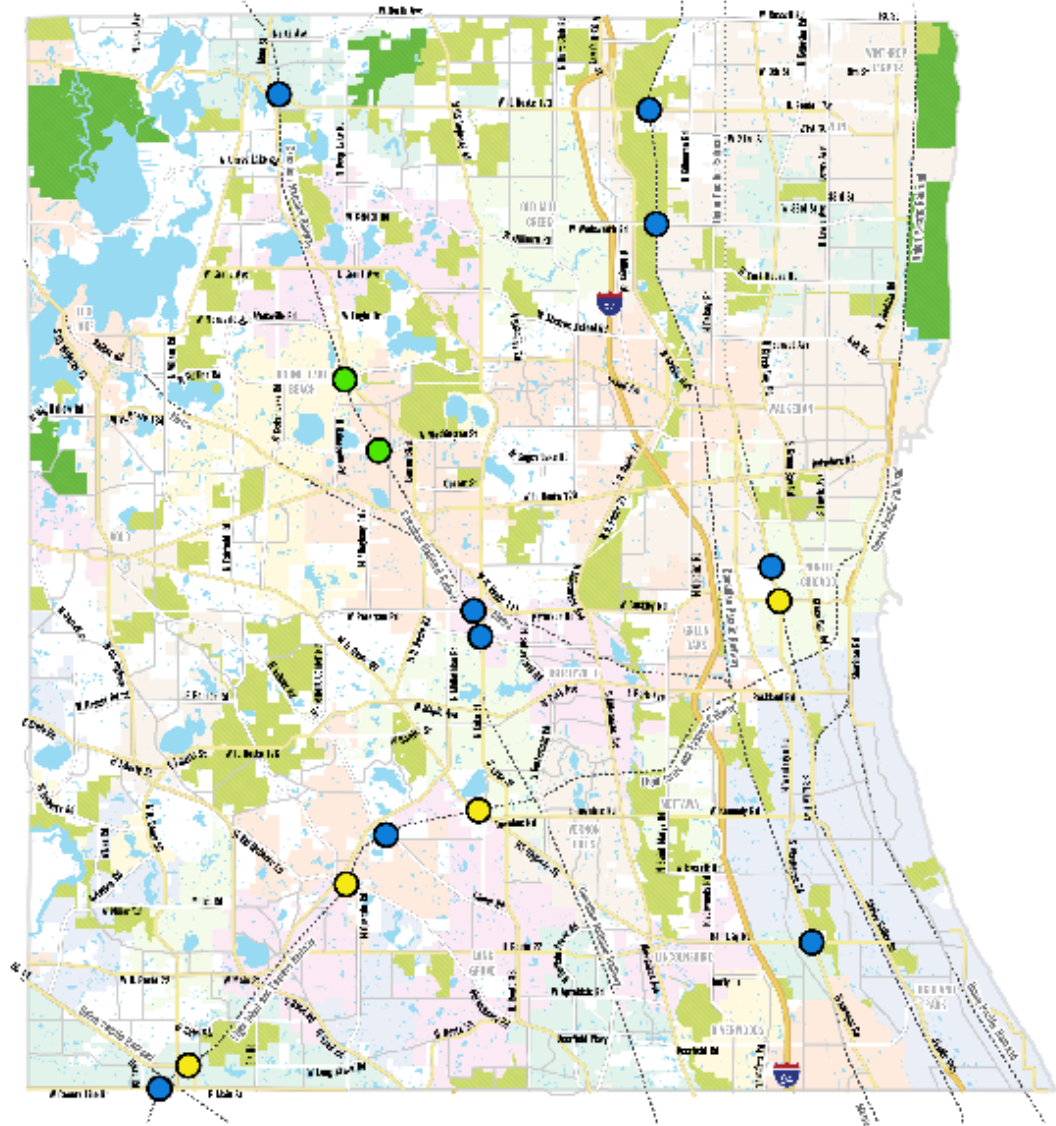
- Rail Projects
- Bus Projects
- Transit Hubs

EXISTING TRANSIT FEATURES

- Metra Stations
- Metra Lines
- Pace Fixed Routes
- Pace Shuttle Bug Routes



2040 Railroad Grade Separations



2040 RAILROAD GRADE SEPARATIONS

LEGEND

GRADE SEPARATIONS

- Completed
- Identified
- Study/Uncertain

TRANSPORTATION

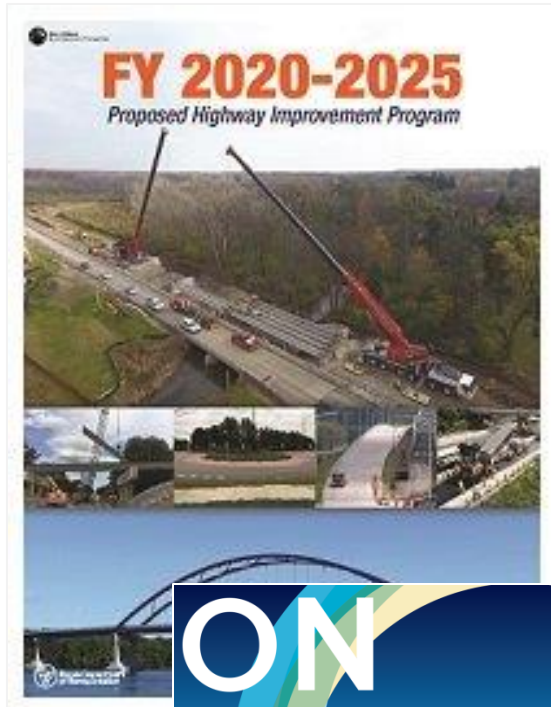
- Interstate/Expressway
- US/State Highway
- County Highway
- Other Road

ATTRIBUTIONS

- State Park
- Lake County Forest Preserve



Regional Plans



Chicago Metropolitan Agency for Planning

State Highway Consensus Plan for Lake County

Lake County
Division of Transportation (LCDOT)
lakecountyl.gov/transportation

The State Highway Consensus Plan was developed in 2006 with input from local elected officials and the residents of Lake County. Everyone can help make transportation projects a reality and reach the goals of the transportation system in Lake County.

One Voice, One Transportation Future

Success:

- IL 21 (IL 137 to ...)
- IL 83/Rollins Rd
- IL 83 (Pette L ...)
- IL 176/Fairfie ...
- US 45 Millbr ...
- US 45 (IL 1 ...)

Progress: \$300 million in work

Traffic for Lake County: Implement major transportation

Project Status: Lake County State Highway Consensus Plan

Legend:

- Regional Highway Corridor Study Complete
- Not Started
- Engineering Underway
- Construction In Progress
- Construction Complete
- Intersection

One Voice, One Transportation Future