

Technology Committee May 2, 2025

Traffic Crash Location System (TCLS)

Division of Transportation

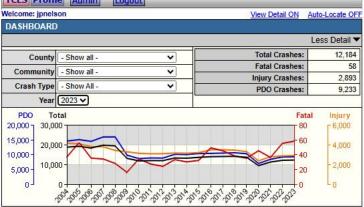
Jonathan Nelson, P.E. Assistant County Engineer

TCLS software



- Software purchased in 2008
 - Requires an annual licensing fee
- Web based software with secure login
 - 55 users including many municipalities and engineering consultants
- Uses include:
 - Plotting the +/-12,000 crashes that occur annually in Lake County
 - Gathering project safety data through various queries
 - Reviewing crash trends

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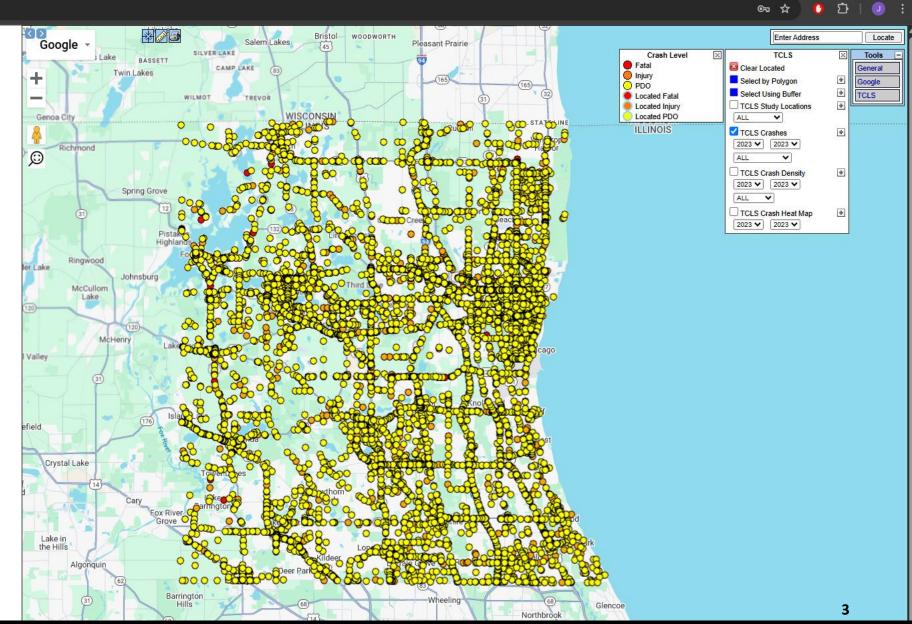


OPTION 1 - SEARCH BY MAP

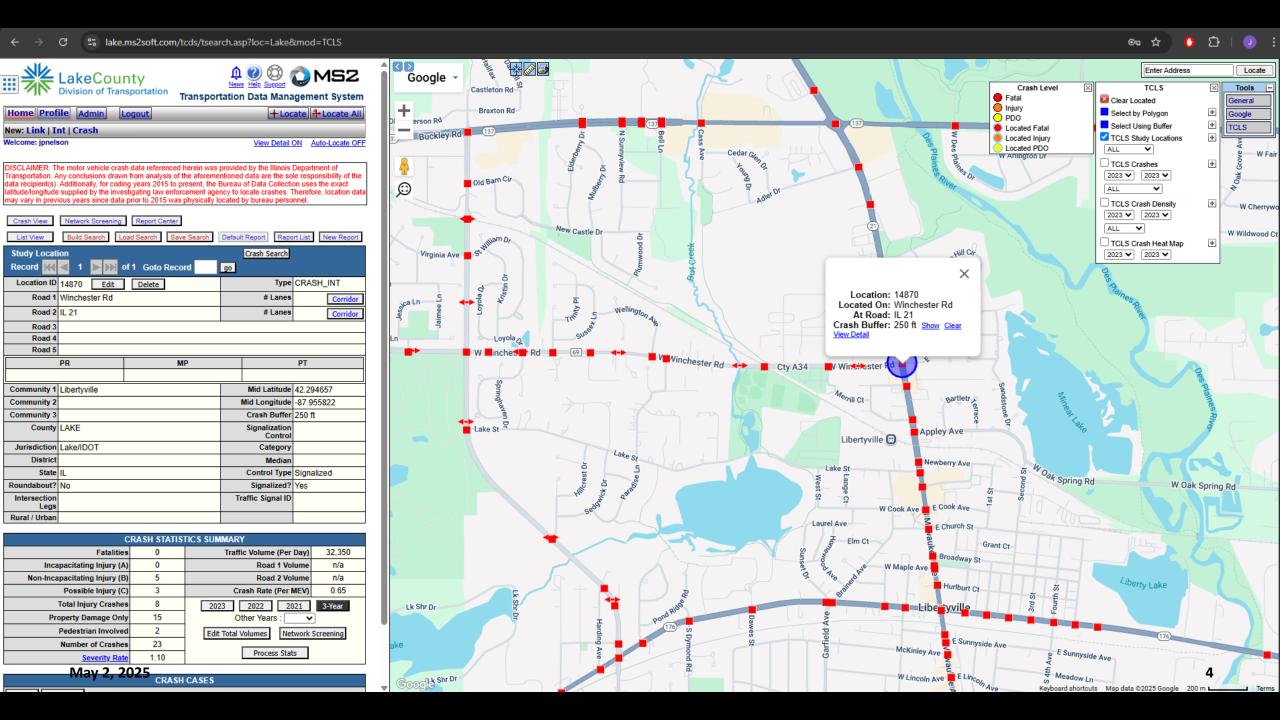
Use the Map Tools to zoom to an area. Then click a marker or Select by Polygon to review locations, crashes and stats. Markers may not show up until zooming in closer.

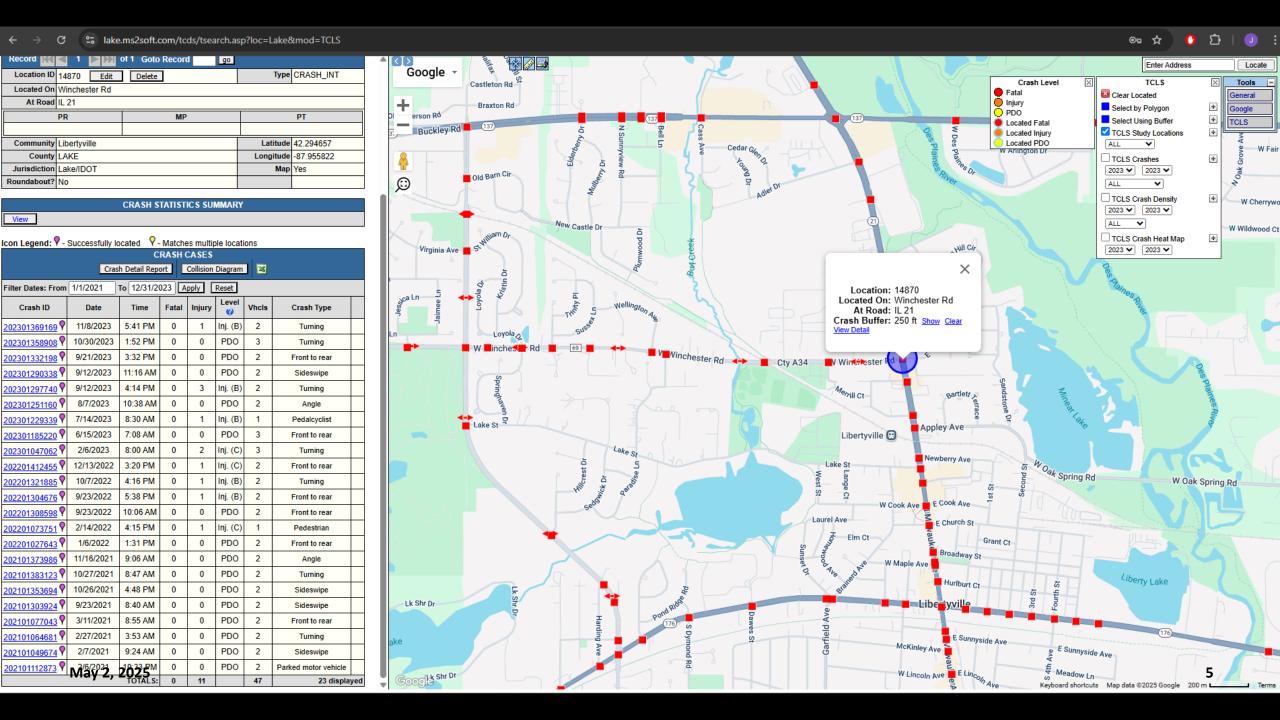
OPTION 2 - SEAR	CH BY DATA - TCLS
Select search criteri	a below, then click the "Search" button.
Search By	Study Location
County	LAKE V
Community	- Select Community -
Location Type	ALL
Located On ¹	✓ Exact Match
Crossroad ¹	✓ Exact Match
	More Detail ▶
Search Load	Search Build Search Reset Search Report List New Report SQL

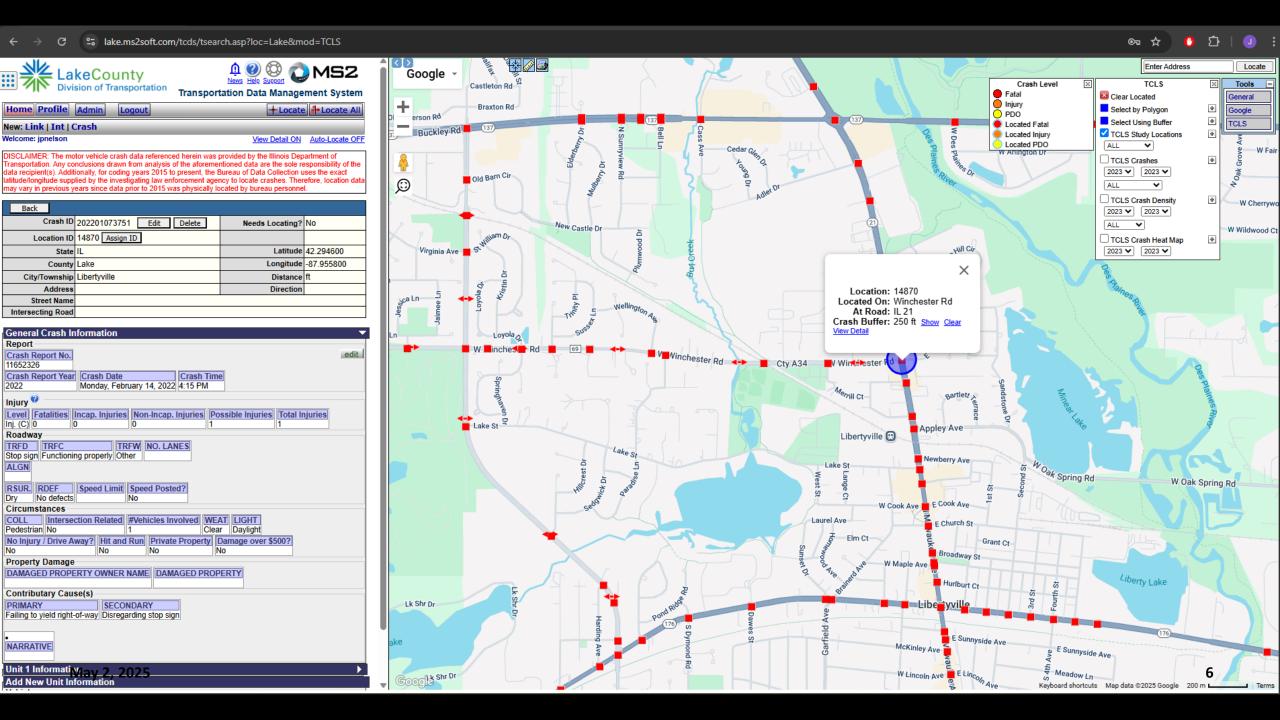
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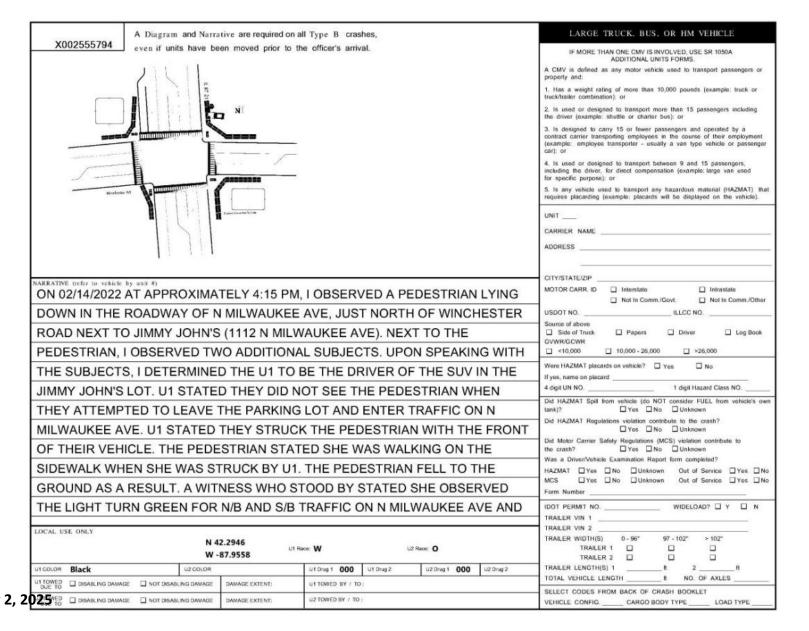
 $^{^1}$ - Enter all or part of the road name. You can exclude prefixes and suffixes like "NW", "S", "Rd", "St", "Ln".



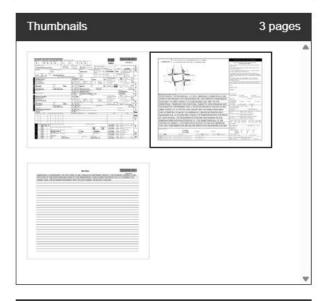




Illinois Department of Transportation



Additional Documents				
Police Report 🗸				

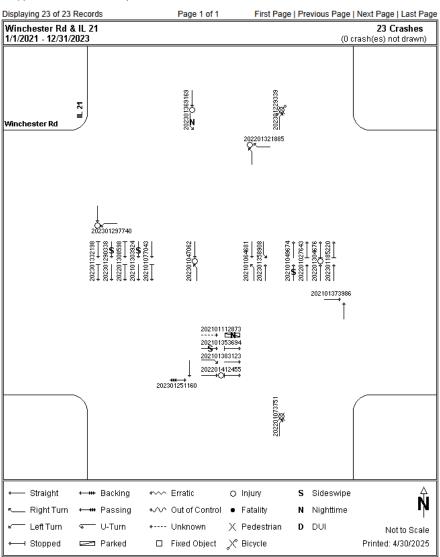






Lake County, IL





	Crash Type		Crashes By Month
Туре	# Crashes	Month	# Crashes
Pedestrian	1 (4%)	January	1 (4%)
Pedalcyclist	1 (4%)	February	5 (22%)
Railway Train	0 (0%)	March	1 (4%)
Animal	0 (0%)	April	0 (0%)
Overturned	0 (0%)	May	0 (0%)
Fixed object	0 (0%)	June	1 (4%)
Other object	0 (0%)	July	1 (4%)
Other non	0 (0%)	August	1 (4%)
collision	- ()	September	6 (26%)
Parked motor vehicle	1 (4%)	October	4 (17%)
Turning	7 (30%)	November	2 (9%)
Front to rear	7 (30%)	December	1 (4%)
Sideswipe	4 (17%)	Total	23
Sideswipe			Crashes By Day of Week
opposite	0 (0%)	Day of Week	
Front to front	0 (0%)	Sunday	1 (4%)
Angle	2 (9%)	Monday	4 (17%)
Rear to side	0 (0%)	Tuesday	5 (22%)
Rear to rear	0 (0%)	Wednesday	2 (9%)
Rear to front	0 (0%)		. ,
Unknown	0 (0%)	Thursday	5 (22%) 4 (17%)
Total	23	Friday	
		Saturday Total	2 (9%)
	Crash Level	Total	23
Type Fatal	# Crashes 0 (0%)		Crashes By Hour of Day
Inj. (A)	0 (0%)	Hour of Day	# Crashes
	5 (22%)	0000	0 (0%)
lnj. (B) lnj. (C)	3 (13%)	0100	0 (0%)
PDO	15 (65%)	0200	0 (0%)
Inj. Other	0 (0%)	0300	1 (4%)
Total	23	0400	0 (0%)
IUIAI	20	0500	0 (0%)
	Road Condition	0600	0 (0%)
Condition	# Crashes	0700	1 (4%)
Dry		0800	5 (22%)
-11	18 (78%)		
-	3 (13%)	0900	2 (9%)
Net Snow and	3 (13%)	0900 1000	2 (9%)
/Vet Snow and slush	3 (13%) 1 (4%)	0900 1000 1100	2 (9%)
Wet Snow and slush Ice	3 (13%)	0900 1000 1100 1200	2 (9%) 1 (4%) 0 (0%)
Wet Snow and slush Ice Sand, mud,	3 (13%) 1 (4%)	0900 1000 1100 1200 1300	2 (9%) 1 (4%) 0 (0%) 2 (9%)
Wet Snow and slush ce Sand, mud, dirt	3 (13%) 1 (4%) 0 (0%) 0 (0%)	0900 1000 1100 1200 1300 1400	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%)
Net Snow and slush ce Sand, mud, dirt Other	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%)	0900 1000 1100 1200 1300 1400 1500	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%) 2 (9%)
Vet Snow and clush ce Sand, mud, lirt Other	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%)	0900 1000 1100 1200 1300 1400 1500	2 (9%) 0 (0%) 2 (9%) 0 (0%) 2 (9%) 4 (17%)
Vet Snow and slush ce Sand, mud, lirt Other Unknown	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%) 0 (0%)	0900 1000 1100 1200 1300 1400 1500 1600 1700	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%) 2 (9%) 4 (17%)
Vet Snow and clush ce Sand, mud, lirt Other	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%)	0900 1000 1100 1200 1300 1400 1500 1600 1700 1800	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%) 2 (9%) 4 (17%) 0 (0%)
Vet Snow and slush ce Sand, mud, lirt Other Unknown	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%) 0 (0%)	0900 1000 1100 1200 1300 1400 1500 1600 1700 1800	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%) 2 (9%) 4 (17%) 0 (0%) 0 (0%)
Wet Snow and slush ce Sand, mud, dirt Other Juknown Total	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%) 0 (0%) 23 Traffic Device	0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%) 2 (9%) 4 (17%) 0 (0%) 0 (0%) 0 (0%) 0 (0%)
Wet Snow and slush ce Sand, mud, slirt Other Jnknown Total	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%) 0 (0%) 23 Traffic Device # Crashes	0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%) 2 (9%) 4 (17%) 0 (0%) 0 (0%)
Vet Snow and Jush De Sand, mud, Sirt Sther Jinknown Total Type Jo controls	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%) 0 (0%) 23 Traffic Device # Crashes 6 (26%)	0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%) 2 (9%) 4 (17%) 0 (0%) 0 (0%) 0 (0%) 0 (0%)
Net Snow and clush ce Sand, mud, lirt Other Jinknown Total	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%) 0 (0%) 23 Traffic Device # Crashes	0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100	2 (9%) 1 (4%) 0 (0%) 2 (9%) 0 (0%) 2 (9%) 4 (17%) 0 (0%) 0 (0%) 0 (0%) 0 (0%) 0 (0%)
Vet Snow and Jush De Sand, mud, Sirt Sther Jinknown Total Type Jo controls	3 (13%) 1 (4%) 0 (0%) 0 (0%) 0 (0%) 1 (4%) 0 (0%) 23 Traffic Device # Crashes 6 (26%)	0900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200	2 (9%) 1 (4%) 0 (0%) 2 (9%) 2 (9%) 4 (17%) 2 (9%) 0 (0%) 0 (0%) 0 (0%) 1 (4%)

	Vehicle Type	Weather				
Туре	# Vehicles	Weather		# Crashes		
Passenger	17 (36%)	Clear		2	0 (87%)	
Motorcycle	0 (0%)	Freezing rain or	0 (0%)			
Motor driven	0 (0%)	freezing drizzle Blowing snow	0 (0%)			
cycle Snowmobile	0 (0%)	Blowing	0 (0%)			
All-terrain	0 (0%)	sand/soil/dirt Rain	2 (9%)			
vehicle (ATV)	0 (0%)	Snow	0 (0%)			
Other vehicle with trailer	0 (0%)	Fog/smoke/haze				
Sport utility	21 (45%)	Sleet/hail	0 (0%)			
vehicle (SÚV) Other	0 (0%)	Severe cross wind	0 (0%)			
Moned or	- ()	Other	0 (0%)			
motorized bicycle	0 (0%)	Unknown	1 (4%)			
Motorcycle - 3		7.11	0 (0%)			
wheeled motorcycle	0 (0%)	Total	23			
Recreational			Top 10	Harmful Events		
off-highway	0 (0%)	Event		# Crashes		
vehicle (ROV) Pickup	■ 1 (2%)	Motor vehicle in traffic		4	15 (83%)	
Autocycle	0 (0%)	Parked vehicle	2 (4%)			
Single unit	- ()	Pedestrian	1 (2%)			
truck with trailer	0 (0%)	Pedalcyclist	1 (2%)			
Van/mini-van	4 (9%)	Ran off the roadway	1 (2%)			
Bus 9 to 15 seats	0 (0%)	Other pole or post	1 (2%)			
Bus over 15 seats	0 (0%)	Curb	1 (2%)			
Truck - single	■ 1 (2%)	Mailbox Building/structure	1 (2%)			
unit Tractor w/		Total	54			
semi-trailer	2 (4%)	Primary Cause				
Tractor w/o semi-trailer	0 (0%)	Primary C	ause	# Crashes		
Farm equipment	0 (0%)	Exceeding author limit	rized speed	0 (0%)		
Unknown	■ 1 (2%)	Equipment - vehi	cle	0 (0%)		
Total	47	Weather		0 (0%)		
	Alcohol Involved	Road		- 1/		
Alcohol	# Crashes	engineering/surfa defects	ice/marking	0 (0%)		
No Yes	0 (0%)	Road construction/mair	ntenance	0 (0%)		
Total	23	Vision obscured (signs, tree	0 (0%)		
		Driving skills/knowledge/		0 (0%)		
			n of driver	1 (4%)		
		Unable to determ	ine	1 (4%)		
		Had been drinkin when arrest is no		0 (0%)		
		Failing to yield right-of-way		8 (35%)		
		Improper lane us	age	3 (13%)		
		Animal		0 (0%)		
		Disregarding yeile		0 (0%)		
		Disregarding stop	_	0 (0%)		
		Disregarding othe signs		0 (0%)		
		Disregarding traff	ic signals	0 (0%)		



W SZ Hele Refresh Support

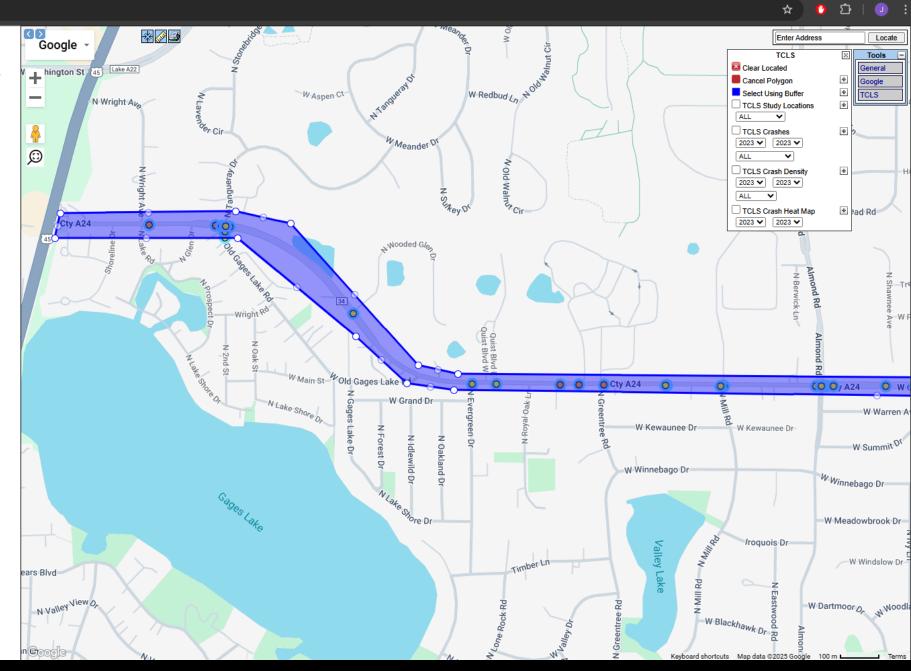
Transportation Data Management System

Back

Form View Export XLS Request Crash Reports

Form	view Ex	cport XLS Rec	quest Crasn	Reports					
Crash ID	County	Community	Primary Road	Intersecting Road	<u>Date</u>	<u>Time</u>	<u>Type</u>	Level	Crasi Rpt.
201901076260	Lake	Gurnee			3/3/2019	15:46	Front to rear		
201901112526	Lake	Gurnee			4/14/2019	13:22	Turning	PDO	
<u>201901115170</u>	Lake	Gurnee			4/14/2019	12:43	Angle	Inj. (C)	
201901128613	Lake				4/3/2019	15:42	Front to rear	PDO	
201901143710	Lake				1/2/2019	06:47	Pedestrian	Inj. (C)	
201901164760	Lake				1/14/2019	06:49	Turning	PDO	
201901204408	Lake	Gurnee			6/10/2019	23:00	Parked motor vehicle	PDO	
201901222111	Lake	Gurnee			7/1/2019	12:53	Other non collision	Inj. (B)	
201901228030	Lake				3/13/2019	22:58	Other non collision	PDO	
201901290152	Lake	Gurnee			8/19/2019	14:35	Front to rear	PDO	
201901296182	Lake				6/8/2019	14:42	Other non collision	Inj. (B)	
201901297384	Lake				6/11/2019	23:30	Fixed object	PDO	
201901305264	Lake				6/24/2019	21:16	Front to rear	Inj. (C)	
201901307885	Lake				6/27/2019	15:30	Front to rear	PDO	
201901345918							Parked motor vehicle	Inj. (A)	
201901355189	Lake				9/12/2019	14:36	Front to rear	PDO	
201901358504	Lake				10/2/2019	06:21	Pedestrian	lnj. (B)	
201901482742	Lake						Fixed object		
201901483224	Lake				11/25/2019	14:20	Front to rear	PDO	
201901486374	Lake				12/17/2019	07:31	Front to rear	Inj. (A)	
201901488911	Lake				11/5/2019	14:49	Angle	lnj. (B)	
202001021627	Lake	Gurnee			1/15/2020	17:25	Front to rear	PDO	
202001063713	Lake	Gurnee			2/25/2020	07:20	Sideswipe	PDO	
202001099871	Lake	Gurnee			4/15/2020	10:39	Angle	Inj. (A)	
202001114928	Lake				1/18/2020	23:07	Fixed object	PDO	
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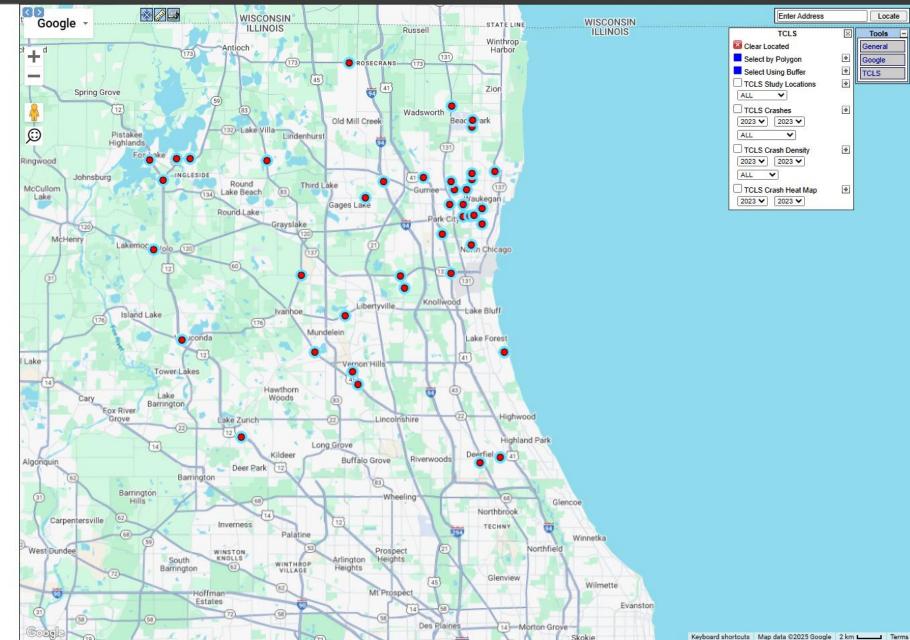




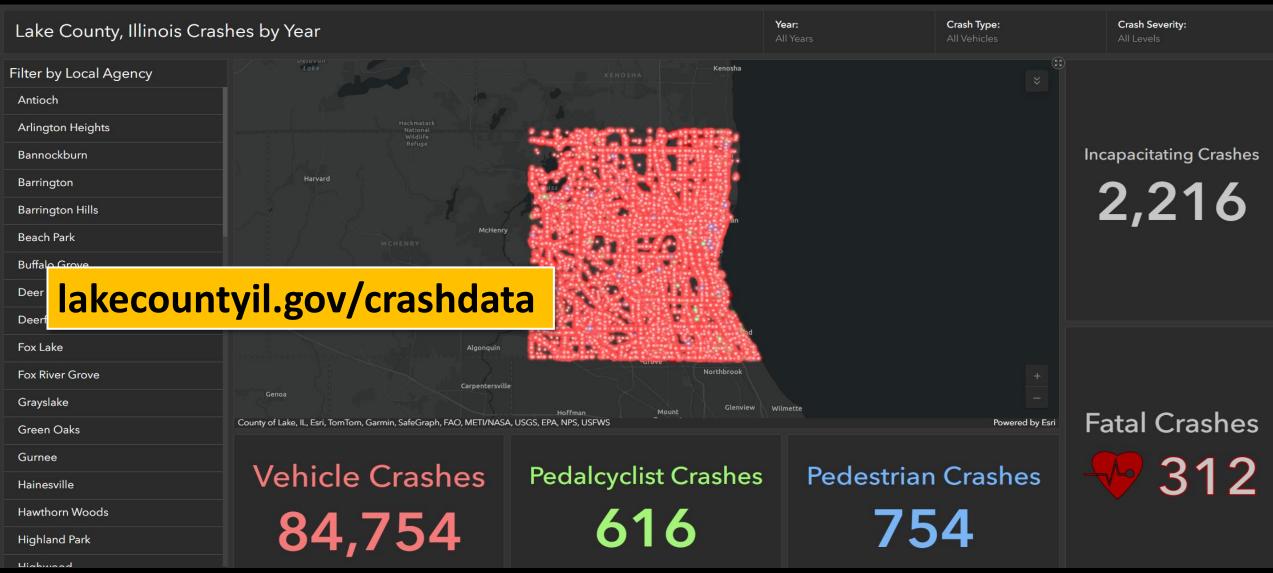
Transportation Data Management System

Form View Export XLS Request Crash Reports

Crash ID	County	Community	Primary Road	Intersecting Road	<u>Date</u>	Time	Type	Level	Crash Rpt.
01901121696	Lake	Waukegan		× 1.1	1/1/2019	20:11	Pedestrian	Fatal	-
01901134668	Lake	Waukegan		X	2/3/2019	22:42	Pedestrian	Fatal	
01901334477	Lake	Old Mill Creek		, 1	8/23/2019	23:15	Pedestrian	Fatal	
01901339642	Lake	Waukegan			9/7/2019	00:44	Pedestrian	Fatal	e e
01901347339	Lake	Waukegan		11)	9/19/2019	23:42	Pedalcyclist	Fatal	
01901422712	Lake	Waukegan			11/21/2019	06:36	Pedestrian	Fatal	
02001059740	Lake	Waukegan			1/29/2020	17:38	Pedestrian	Fatal	j)
02001185108	Lake	Waukegan		Ŷ.	6/4/2020	23:23	Pedalcyclist	Fatal	ii .
02001270391	Lake	Wauconda	3	*	10/8/2020	12:43	Pedalcyclist	Fatal	
02001273438	Lake	Waukegan		\$ 13	9/4/2020	22:38	Pedestrian	Fatal	÷
02001361998	Lake	Mundelein			10/4/2020	03:25	Pedestrian	Fatal	, e,
02001370593	Lake	Lake Forest		·	11/12/2020	10:47	Pedestrian	Fatal	e.
02001370594	Lake	Beach Park			11/18/2020	19:00	Pedestrian	Fatal	
02101108806	Lake	Round Lake Beach			2/20/2021	01:30	Pedestrian	Fatal	4
02101175413	Lake	_ 111	3	,	6/3/2021	18:41	Pedestrian	Fatal	
02101301722	Lake	Volo			6/19/2021	23:42	Pedestrian	Fatal	e e
02101351276	Lake	Indian Creek			10/9/2021	01:34	Pedestrian	Fatal	
02201054173	Lake				1/9/2022	22:51	Pedestrian	Fatal	
02201118226	Lake	Waukegan]	2/20/2022	09:30	Pedestrian	Fatal	
02201140797	Lake	North Chicago		Ť	4/3/2022	22:37	Pedestrian	Fatal	ii .
02201221675	Lake	Grayslake	3	2 0	7/1/2022	23:12	Pedalcyclist	Fatal	
02201233217	Lake	Green Oaks		÷	7/10/2022	11:31	Pedalcyclist	Fatal	ě.
02201307858	Lake	Gurnee		,	9/15/2022	10:26	Pedestrian	Fatal	e,
02201311358	Lake	Waukegan			7/31/2022	21:32	Pedestrian	Fatal	73
02201377473	Lake	North Chicago			11/10/2022	20:47	Pedestrian	Fatal) —



Public Facing Dashboard





Questions