City of Madison, WI

2020

Crash Facts

Traffic Engineering Division

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The City of Madison's annual Crash Facts contains statistics, charts and tables summarizing the most common factors for 2020 crashes. The report is divided into nine sections: ***Intersection Crash Summary, Roundabout Crash Summary, Non-Intersection Crash Summary, Bicycle Crash Summary, Pedestrian Crash Summary, Motorcycle Crash Summary, Moped Crash Summary, Fatal Crash Summary, and 5-Year Intersection EPDO (Equivalent Property Damage Only) Crash Summary.***

Three major updates have been made to our Crash Facts Reports in the recent years. First, **5-year average crash data** is provided as a reference to the single year data. Second, a **5-year Intersection EPDO Crash Summary** is added. For the EPDO analysis, each crash is weighted based on the crash severity and the equivalent damage only crash cost, using the EPDO factors developed by the Wisconsin Traffic Operations and Safety Lab and Madison Area Transportation Planning Board. Third, we **expanded the reporting boundaries of intersections** from just at the intersection to 250 feet each leg from the intersection to capture the crashes near the intersection such as rear-end crashes and to be consistent with the practice of other reporting agencies. While this is a big step forward for the 2019 data, 2020 data and the years ahead, staff resource does not allow us to retroactively reapply the same methodology to data of the previous years. Thus, the 5-year average data in this report may be skewed and is provided for reference only.

All of the information in the report is derived from a crash database that contains information about **"reportable" crashes,** or crashes that have met the statutory requirements to be reported to the State of Wisconsin. The crash information is collected and reviewed throughout the year. Only the data for reportable crashes occurring within the municipal limits or at shared municipality locations are entered.

Each crash is mapped using GIS software. Using this software allows Traffic Engineering staff to review crash information by location and type, along with other features in the same vicinity, such as objects, time of day, and road and weather conditions. This information, along with diagrammed crashes, assists staff in reviewing crashes and planning strategies to reduce crashes more efficiently.

Sincerely,

Yang Tao, PhD, PE
City Traffic Engineer

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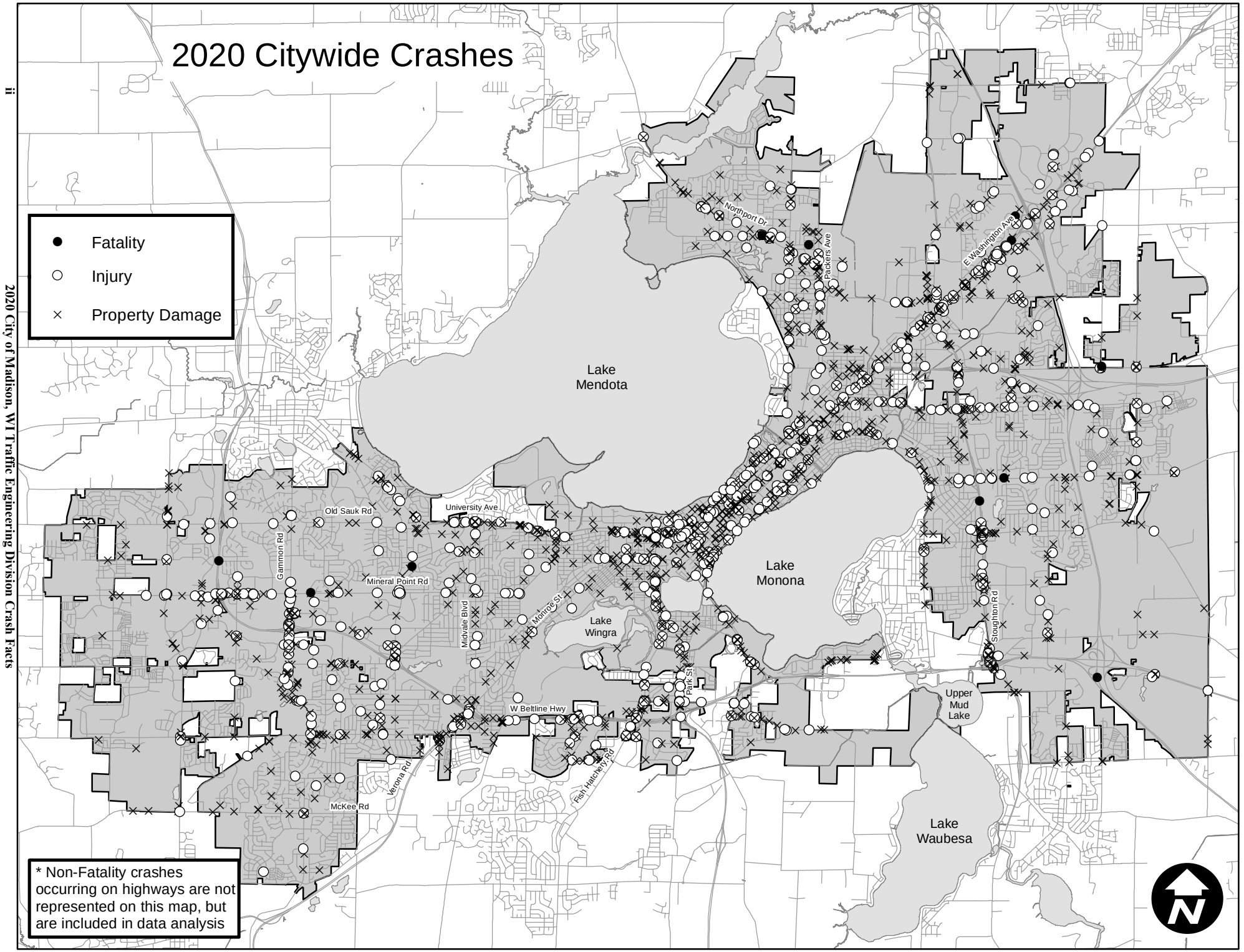

2020 Citywide Crashes
Fatality
Injury
Property Damage
Lake Mendota
Lake Monona
Lake Wingra
Upper Mud Lake
Lake Waubesa
Northport Dr
Packers Ave
E Washington Ave
University Ave
Old Sauk Rd
Gammon Rd
Mineral Point Rd
Midvale Blvd
Monroe St
Park St
Stoughton Rd
W Beltline Hwy
Verona Rd
Fish Hatchery Rd
McKee Rd
* Non-Fatality crashes occurring on highways are not represented on this map, but are included in data analysis
N

Annual Crash Overview

Crash Totals

Total Number of Crashes…….3,039

Fatal Crashes…… (Total Fatalities 15) **……..12**

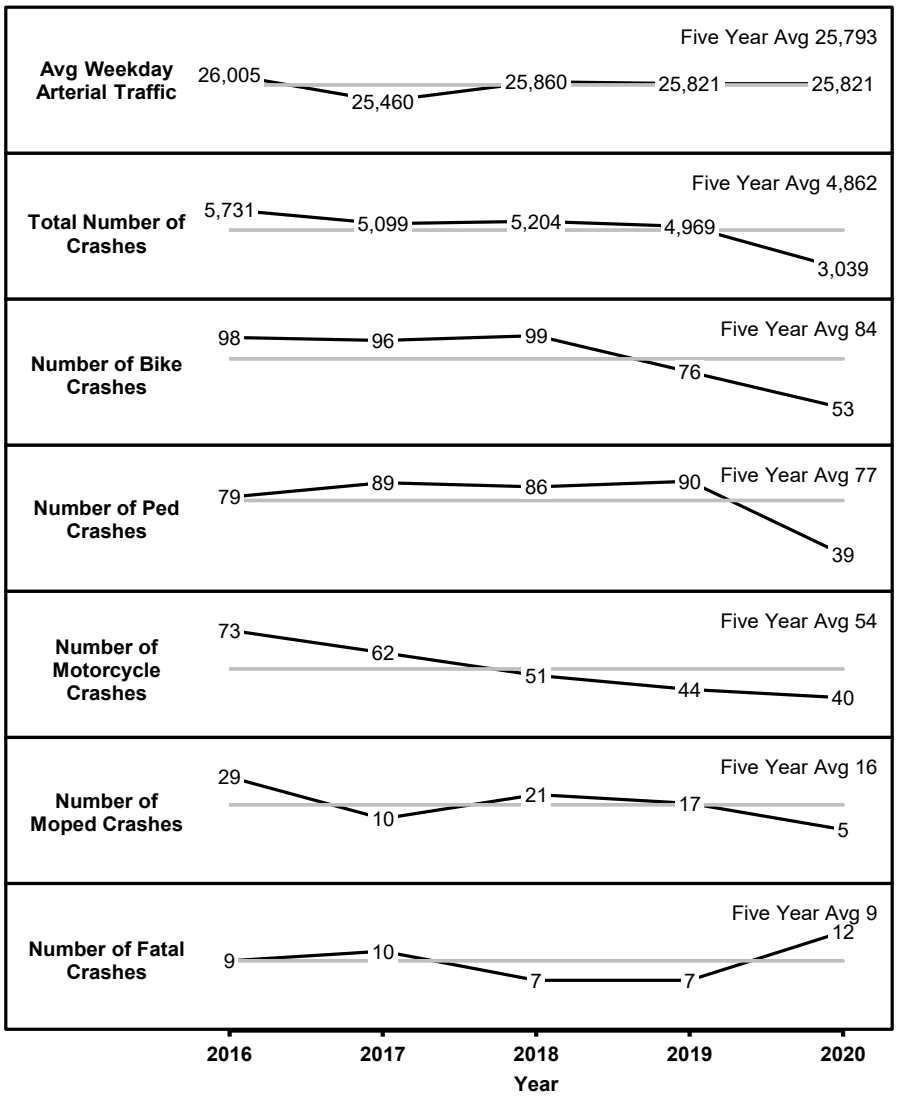
Crash Totals by General Location**

Intersection Crashes…….…….... 2,037
Roundabout Crashes…..…….. 29
Non-Intersection Crashes…..……..…….... 471
Hwy Crashes……... 493

Crash Totals Involving Bicyclists or Pedestrians**

Bicycle-Motor Vehicle Crashes…….... 53
Pedestrian-Motor Vehicle Crashes…….. 39

5-Year Graphical Crash History



**Not including crashes that occurred on private property and roadways maintained by the University of Wisconsin

Annual Crash Overview

Injuries / Fatalities / Property Damage Due To Crashes

Total Number of Injuries……..1,184
Total Number of Fatalities 15

Estimated Economic Loss From Injuries / Fatalities / Property Damage Due To Crashes[1]

Total Number of Injuries	1,184	
Incapacitating Injuries	105	$10,588,900
Non-Incapacitating Injuries	476	$13,903,300
Possible Injuries	603	$14,461,000
Total Number of Fatalities	15	$26,195,600
Total Number of Individuals With No Injury Observed	2,147	$27,504,800

Grand Total .....$92.7 million

1 Economic loss measures the economic loss to a community resulting from traffic crashes. The costs above were calculated using the 2019 National Safety Council estimates factored up by the CPI for 2020.

INTERSECTION CRASH SUMMARY

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Intersection Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Intersection Crashes..... 2,037

Number of injury crashes..... *(Total Injuries 834)* 622

Number of fatal crashes..... *(Total Fatalities 7)* 7

COMMON ELEMENTS OF INTERSECTION CRASHES

Most Common Driver Factors Reported For All Intersection Crashes

Unknown..... 21%

Failed to Yield Right-Of-Way..... 20%

Following Too Close..... 10%

Most Common Driver Factors Reported For Signalized Intersection Crashes

Unknown..... 22%

Failed to Yield Right-Of-Way..... 20%

Disregarded Red Light..... 16%

Most Common Manner Of Collision Reported For All Intersection Crashes

Front To Side..... 30%

Front To Rear..... 29%

No Collision W/Vehicle In Transport..... 18%

INTERSECTION CRASHES / TRAFFIC CONTROL

Type Of Traffic Control	Number Of Crashes	% Of Int. Crashes
Signal	1142	56%
Stop	737	36%
No Control	99	5%
Stop (All Way)	41	2%
Yield	14	1%
Stop (Multi)	4	0%

Percentages rounded and may not total 100%

Intersection Crash Summary

TOP 30 HIGHEST CRASH INTERSECTIONS

(All or Partially Within City of Madison Limits)

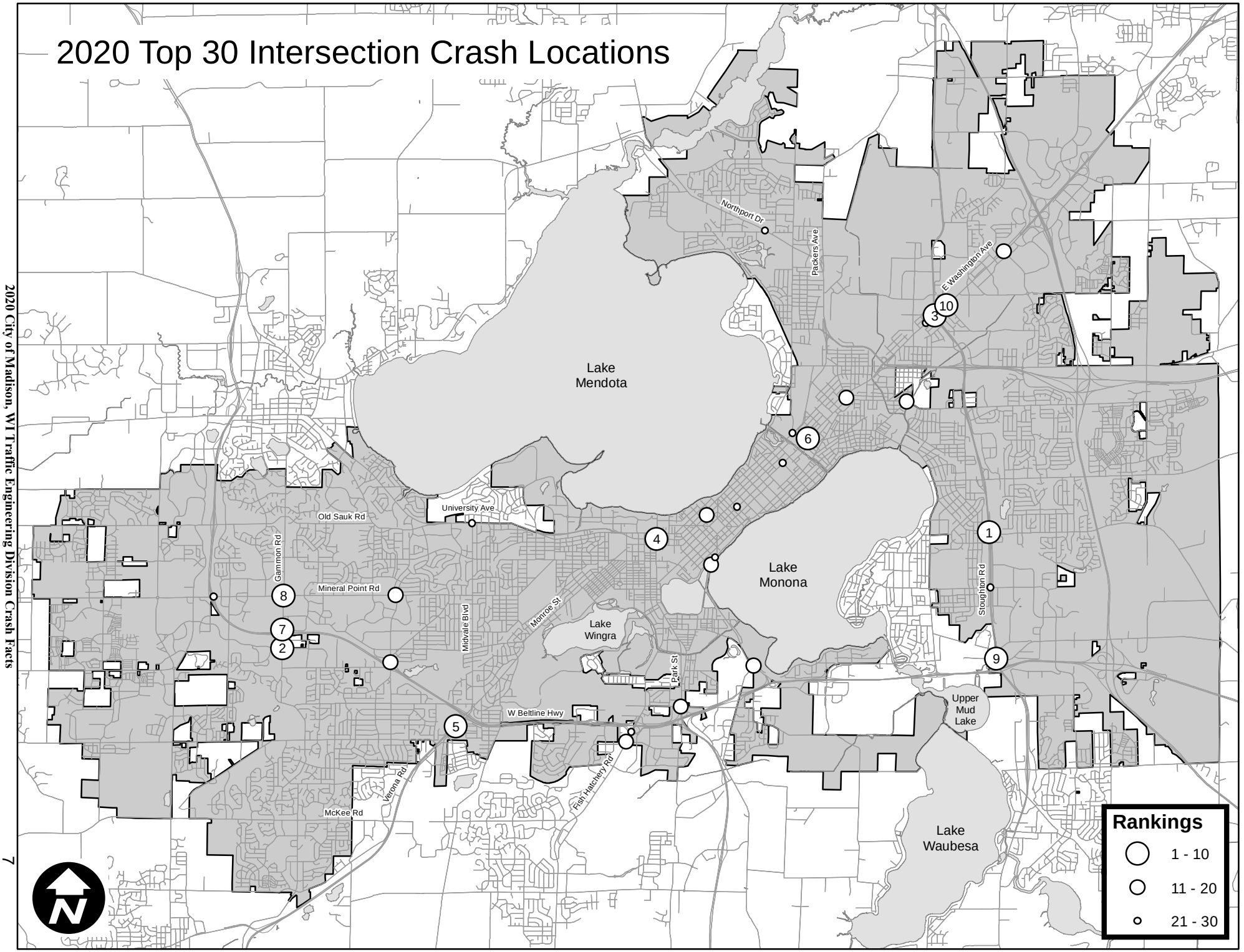
2020 Rank	**5-Year Average Rank	Intersection		2020 Crash Count	**5-Year Average Crash Count	Type of Traffic Control	Other Muni Other Roadway
1	25	Buckeye Rd & S Stoughton Rd	*	29	16	Signal	Blo-T USH
2	11	S Gammon Rd & Watts Rd		24	15	Signal	
3	15	N Stoughton Rd & E Washington Ave	*	20	15	Signal	USH
4	25	W Johnson St & N Park St		17	11	Signal	
5	315	Verona Rd & Verona Rd Access Rd	*	17	8	Signal	USH
6	10	N First St & E Washington Ave	*	17	14	Signal	USH
7	48	W Beltline Hwy & S Gammon Rd (N)	*	15	10	Signal	USH
8	15	S Gammon Rd & Mineral Point Rd		15	14	Signal	
9	201	E Broadway & S Stoughton Rd	*	14	10	Signal	Mon-C USH
10	55	Mendota St & E Washington Ave	*	14	10	Signal	USH
11	60	John Nolen Dr & North Shore Dr	*	12	9	Signal	USH
12	233	N Fair Oaks Ave & Milwaukee St		11	6	Signal	
13	68	E Washington Ave & Zeier Rd	*	11	10	Signal	USH
14	195	Milwaukee St & North St		11	6	Signal	
15	269	Fish Hatchery Rd & Greenway Cross	*	11	6	Signal	Mad-T,Fit-C CTH
16	65	John Nolen Dr & Rimrock Rd	*	11	9	Signal	Mad-T CTH
17	29	E Johnson St & Wisconsin Ave		10	9	Signal	
18	32	W Badger Rd & S Park St	*	10	10	Signal	USH
19	10	W Beltline Hwy & S Whitney Way	*	10	12	Signal	USH
20	44	Mineral Point Rd & S Whitney Way		10	9	Signal	
21	219	EB W Beltline Hwy Exit Ramp & SB Fish Hatchery Rd	*	10	6	Signal	Mad-T CTH
22	146	Fordem Ave & E Johnson St		10	7	Signal	
23	111	Pflaum Rd & S Stoughton Rd	*	10	7	Signal	USH
24	12	N Baldwin St & E Washington Ave	*	10	13	Signal	USH
25	260	S Broom St & John Nolen Dr	*	10	6	Signal	USH
26	148	N Blair St & E Washington Ave	*	10	6	Signal	USH
27	38	N Midvale Blvd & Rose Pl	*	10	10	Signal	Sho-V CTH
28	167	W Beltline Hwy & Mineral Point Rd (E)	*	9	6	Signal	CTH
29	113	Northport Dr & Troy Dr (W)	*	9	6	Signal	STH
30	149	Schmedeman Ave & E Washington Ave	*	9	6	Stop	USH

**5-Year Averages for reference only. Averages are not an accurate representation due to changes in intersection crash counting method beginning in 2019 as compared to previous years.

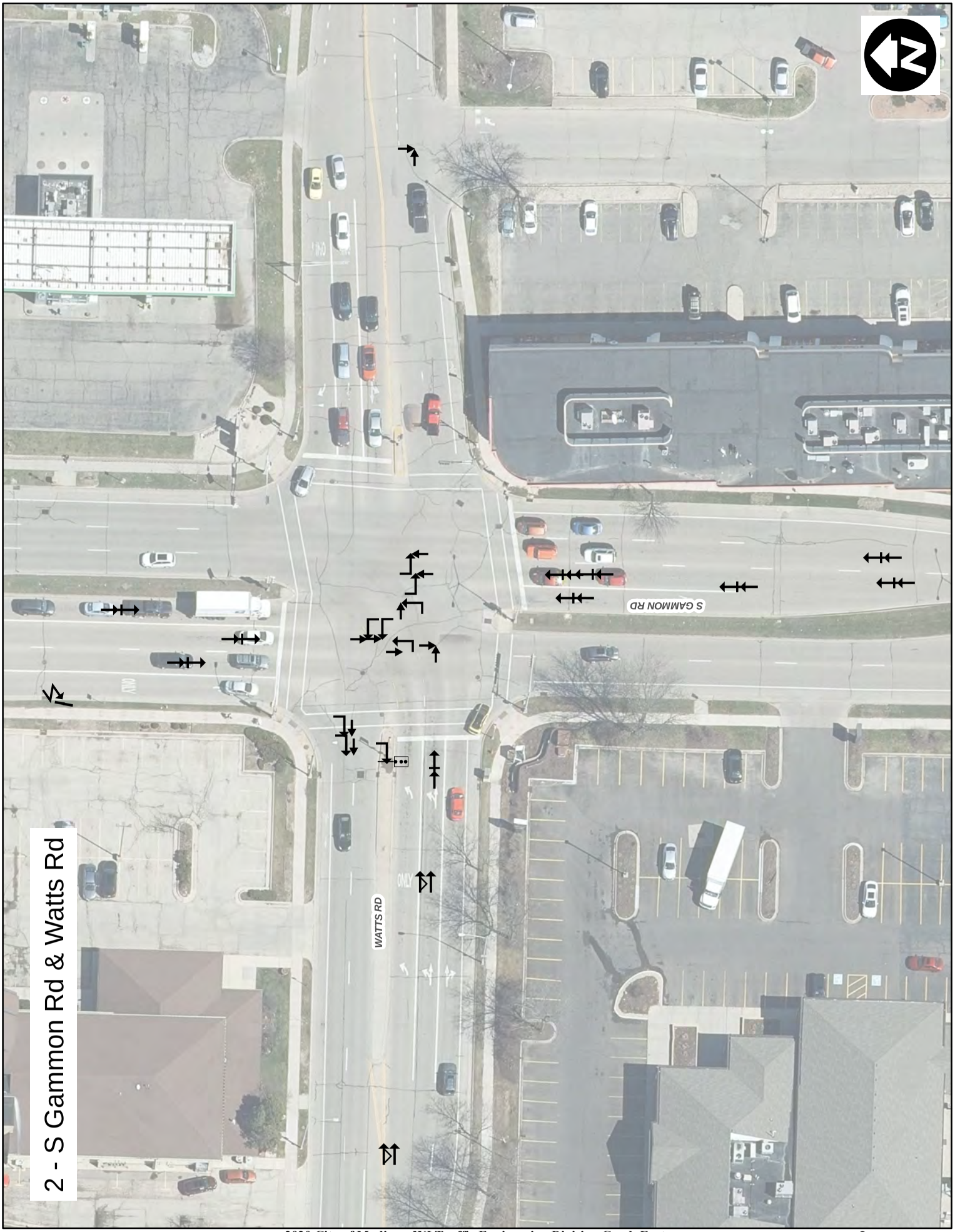
2020 and 2019 intersection crash counts include crashes that occurred within 250' of intersection. Previous counts (2016-2018) used in 5-Year Average calculations include crashes occurring within the intersection and not beyond the crosswalks.

* Multi-government shared jurisdiction location. See Other Muni or Other Roadway

2020 Top 30 Intersection Crash Locations



1 - Buckeye Rd & Stoughton Rd



2 - S Gammon Rd & Watts Rd

3 - N Stoughton Rd & E Washington Ave

4 - W Johnson St & N Park St

5 - Verona Rd & Verona Rd Access Rd

ROUNDABOUT CRASH SUMMARY

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Roundabout Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Roundabout Crashes..... 29

Number of injury crashes..... *(Total Injuries 9)* 7

Number of fatal crashes..... *(Total Fatalities 0)* 0

COMMON ELEMENTS OF ROUNDABOUT CRASHES

Most Common Driver Factors Reported For All Roundabout Crashes

Failed to Yield Right-Of-Way..... 34%

Unknown..... 21%

Failed To Keep In Designated Lane..... 21%

Most Common Manner Of Collision Reported For All Roundabout Crashes

Angle..... 24%

Sideswipe Same Direction..... 21%

Right Turn Merging With Traffic..... 14%

Rear End..... 14%

ROUNDABOUT CRASH TOTALS

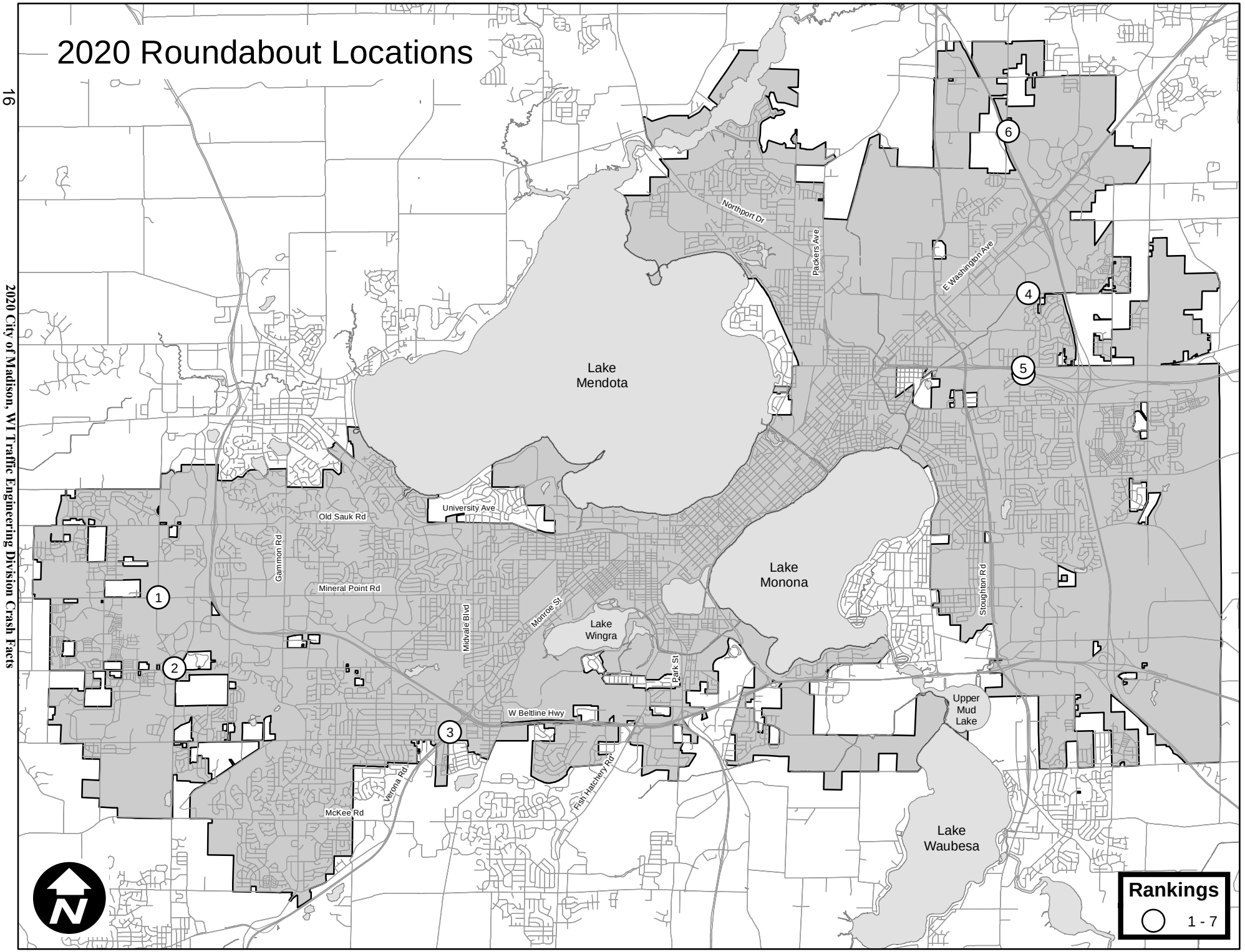
(All or Partially Within City of Madison Limits)

2020 Rank	*5-Year Average Rank	Intersection		2020 Crash Count	**5-Year Average Crash Count	Other Muni Other Roadway
1	1	Mineral Point Rd & N Pleasant View Rd	*	10	31	CTH
2	2	County Rd M & Valley View Rd	*	6	11	CTH
3	5	Verona Rd Frontage Rd (E) & Verona Rd Frontage		5	4	
4	3	Lien Rd & N Thompson Dr		4	15	
5	4	Commercial Ave & N Thompson Dr	*	4	8	CTH
6	6	Eastpark Blvd & Hanson Rd		0	1	
7	7	N Thompson Dr & EB State Rd 30 Exit Ramp	*	0	2	STH

**5-Year Averages for reference only. Averages are not an accurate representation due to changes in intersection crash counting method beginning in 2019 as compared to previous years.

2020 and 2019 intersection crash counts include crashes that occurred within 250' of intersection. Previous counts (2016-2018) used in 5-Year Average calculations include crashes occurring within the intersection and not beyond the crosswalks.

* Multi-government shared jurisdiction location. See Other Muni or Other Roadway


2020 Roundabout Locations
Lake Mendota
Lake Monona
Lake Wingra
Upper Mud Lake
Lake Waubesa
Northport Dr
Packers Ave
E Washington Ave
University Ave
Old Sauk Rd
Gammon Rd
Mineral Point Rd
Midvale Blvd
Monroe St
Park St
Stoughton Rd
W Beltline Hwy
Verona Rd
Fish Hatchery Rd
McKee Rd
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Rankings
1 - 7

NON-INTERSECTION CRASH SUMMARY

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Non-Intersection Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Non-Intersection Crashes..... 471

Number of injury crashes..... *(Total Injuries 171)* 130

Number of fatal crashes..... *(Total Fatalities 6)* 3

COMMON ELEMENTS OF NON-INTERSECTION CRASHES

Most Common Driver Factors Reported For All Non-Intersection Crashes

Unknown..... 22%

Following Too Close..... 12%

Failure To Control..... 12%

Failed to Yield Right-Of-Way..... 9%

Failed To Keep In Designated Lane..... 9%

Most Common Manner Of Collision Reported For All Non-Intersection Crashes

No Collision W/Vehicle In Transport..... 33%

Front To Rear..... 30%

Sideswipe/Same Direction..... 16%

Front To Side..... 11%

Front To Front..... 5%

Sideswipe/Opposite Direction..... 3%

Other..... 1%

Unknown..... 0%

Rear To Side..... 0%

Rear To Rear..... 0%

****Not Including Highway Non-Intersection Crashes****

Non-Intersection Crash Summary

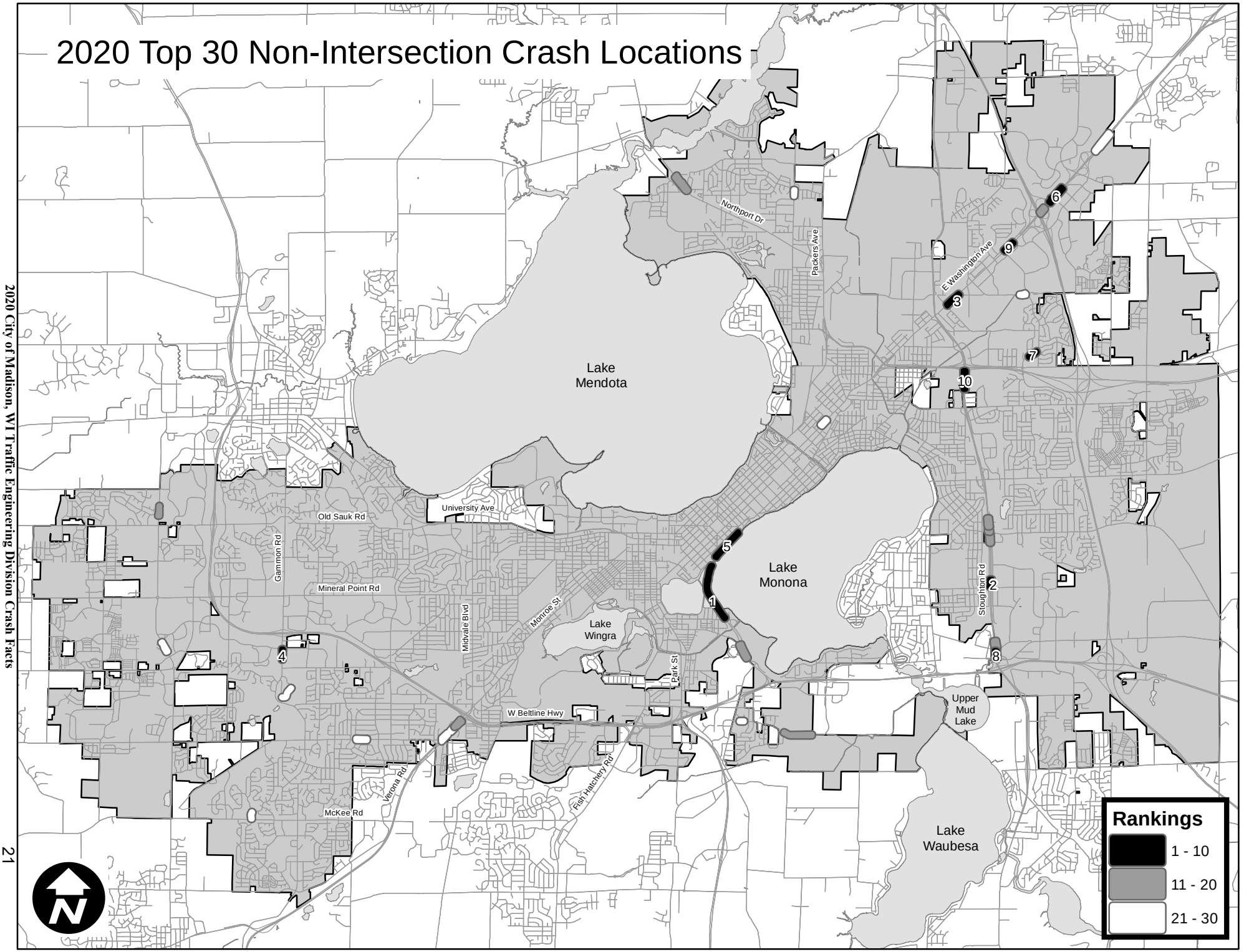
TOP 30 HIGHEST CRASH NON-INTERSECTION LOCATIONS

2019 Rank	**5-Year Average Rank	Location	2019 Crash Count	**5-Year Average Crash Count	Estimated Traffic On Average Day
1	3	400 John Nolen Dr	6	18	47,700
2	17	2400 S Stoughton Rd	6	14	47,750
3	18	3800 E Washington Ave	6	11	49,650
4	19	700 S Gammon Rd	5	8	31,150
5	16	1 John Nolen Dr (W of Monona Terrace Signals)	5	9	43,450
6	5	5300 E Washington Ave	5	17	53,850
7	650	800 N Thompson Dr	4	2	12,950
8	203	3400 S Stoughton Rd	4	6	44,350
9	12	4700 E Washington Ave	4	19	49,750
10	5	300 N Stoughton Rd	4	17	60,250
11	207	1200 Moorland Rd	3	3	5,650
12	921	900 N Pleasant View Rd	3	1	12,650
13	283	300 Northport Dr	3	3	23,750
14	729	3200 S Stoughton Rd	3	1	44,350
15	13	1800 S Stoughton Rd	3	11	47,750
16	102	1600 S Stoughton Rd	3	4	48,400
17	10	1700 S Stoughton Rd	3	12	48,400
18	129	5100 E Washington Ave	3	5	53,850
19	110	600 John Nolen Dr	3	4	55,000
20	181	4500 Verona Rd	3	2	56,550
21	133	4600 Verona Rd	3	5	56,550
22	278	2100 E Washington Ave	3	2	0
23	434	5800 Raymond Rd	3	2	0
24	931	5900 E Washington Ave	3	1	0
25	867	6900 Park Edge Dr	3	1	0
26	923	700 S Pleasant View Rd	3	1	0
27	609	3175 Muir Field Rd	2	1	2,900
28	887	500 Moorland Rd	2	1	6,700
29	869	4400 N Sherman Ave	2	1	7,150
30	760	4700 Lien Rd	2	1	9,100

**5-Year Averages for reference only. Averages are not an accurate representation due to changes in intersection crash counting method beginning in 2019 as compared to previous years.

2020 and 2019 intersection crash counts include crashes that occurred within 250' of intersection. Previous counts (2016-2018) used in 5-Year Average calculations include crashes occurring within the intersection and not beyond the crosswalks.

****Not Including Highway Non-Intersection Crashes****


2020 Top 30 Non-Intersection Crash Locations
Lake Mendota
Lake Monona
Lake Wingra
Upper Mud Lake
Lake Waubesa
Northport Dr
Packers Ave
E Washington Ave
University Ave
Old Sauk Rd
Gammon Rd
Mineral Point Rd
Midvale Blvd
Monroe St
Park St
Stoughton Rd
W Beltline Hwy
Verona Rd
Fish Hatchery Rd
McKee Rd
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Rankings
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21 - 30

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BICYCLE
CRASH SUMMARY

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Bicycle Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Bicycle Crashes..... 53

Number of injury crashes..... *(Total Injuries 48)* 47

Number of fatal crashes..... *(Total Fatalities 0)* 0

COMMON ELEMENTS OF BICYCLE CRASHES

Most Common Auto Operator Factors Reported

No Contributing Action..... 38%

Failed to Yield Right-Of-Way..... 28%

Unknown..... 19%

Most Common Bicycle Operator Factors Reported

No Improper Action..... 49%

Sudden Movement Into Traffic..... 13%

Unknown..... 8%

Disregarded Signal..... 8%

Most Common Manner Of Collision Reported For All Bicycle Crashes

Vehicle Turning Left & Bike From Right..... 23%

Vehicle Going Straight & Bike From Right..... 17%

Vehicle Turning Right & Bike From Opposite Direction..... 15%

BICYCLE CRASHES / TRAFFIC CONTROL

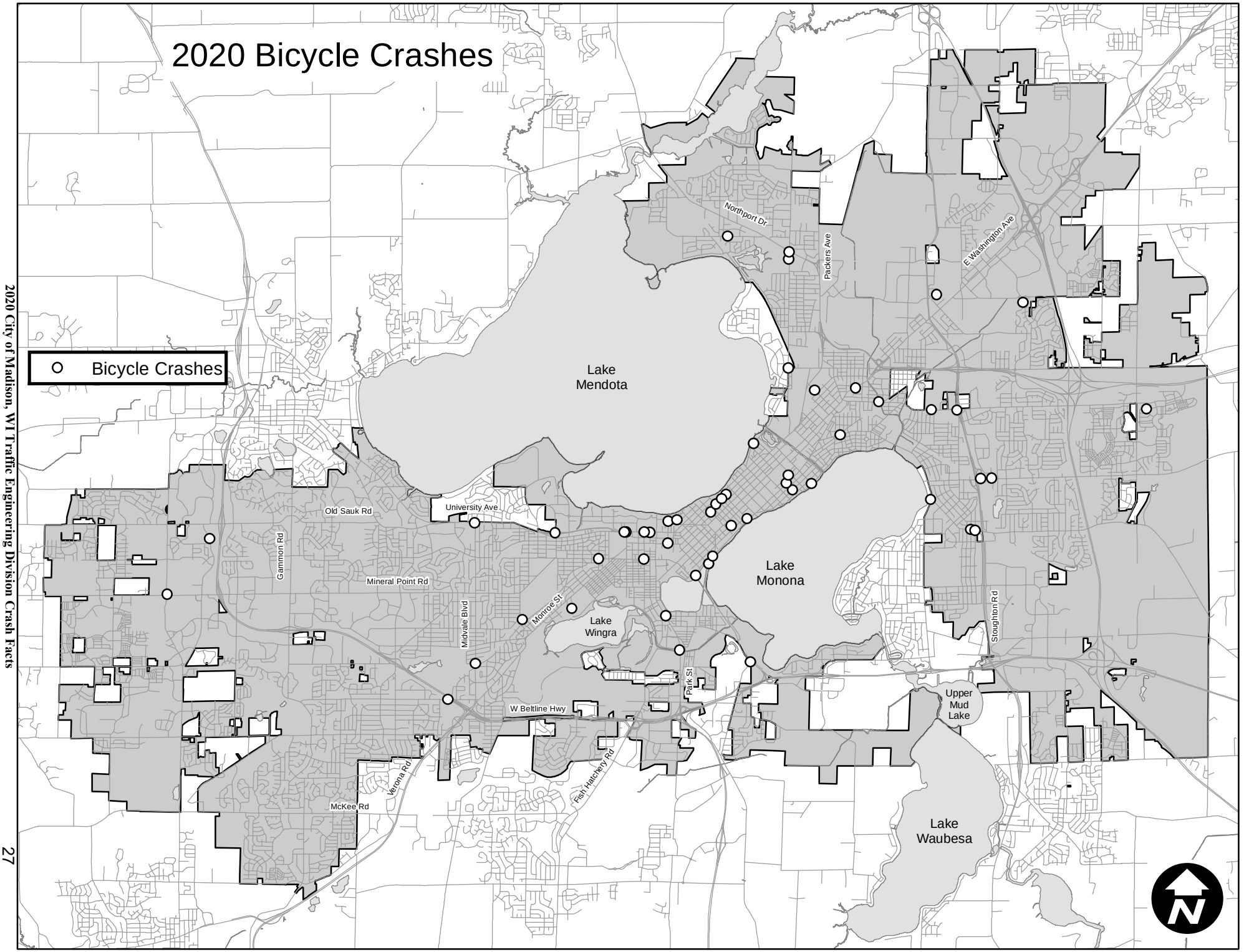
Type Of Traffic Control	Number Of Crashes	% Of Bicycle Crashes
Signalized Intersection	24	45%
Stop Controlled Intersection	20	38%
Non-Intersection	4	8%
Uncontrolled Intersection	3	6%
Yield Controlled Roundabout Intersection	1	2%
All Way Stop Controlled Intersection	1	2%

Percentages rounded and may not total 100%

Bicycle Crash Summary

LOCATIONS WITH TWO OR MORE BICYCLE CRASHES

Location	Number of Crashes	Type of Traffic Control
John Nolen Dr & North Shore Dr	2	Signalized Intersection


2020 Bicycle Crashes
Bicycle Crashes
Lake Mendota
Lake Monona
Lake Wingra
Upper Mud Lake
Lake Waubesa
Northport Dr
Packers Ave
E Washington Ave
Old Sauk Rd
University Ave
Gammon Rd
Mineral Point Rd
Midvale Blvd
Monroe St
Park St
Stoughton Rd
W Beltline Hwy
Verona Rd
Fish Hatchery Rd
McKee Rd
N

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PEDESTRIAN CRASH SUMMARY

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Pedestrian Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Pedestrian Crashes..... 39

Number of injury crashes..... *(Total Injuries 38)* 36

Number of fatal crashes..... *(Total Fatalities 2)* 2

COMMON ELEMENTS OF PEDESTRIAN CRASHES

Most Common Auto Operator Factors Reported

Unknown..... 26%

No Contributing Action..... 26%

Failed to Yield Right-Of-Way..... 21%

Most Common Pedestrian Factors Reported

No Improper Action..... 33%

Unknown..... 23%

Sudden Movement Into Traffic..... 10%

Most Common Manner Of Collision Reported For All Pedestrian Crashes

Vehicle Going Straight & Pedestrian With No Direction Given..... 18%

Vehicle Going Straight & Pedestrian From Right..... 15%

Vehicle Turning Left & Pedestrian From Left..... 13%

Vehicle Going Straight & Pedestrian From Left..... 13%

PEDESTRIAN CRASHES / TRAFFIC CONTROL

Type Of Traffic Control	Number Of Crashes	% Of Ped. Crashes
Signalized Intersection	20	51%
Stop Controlled Intersection	14	36%
Non-Intersection	5	13%

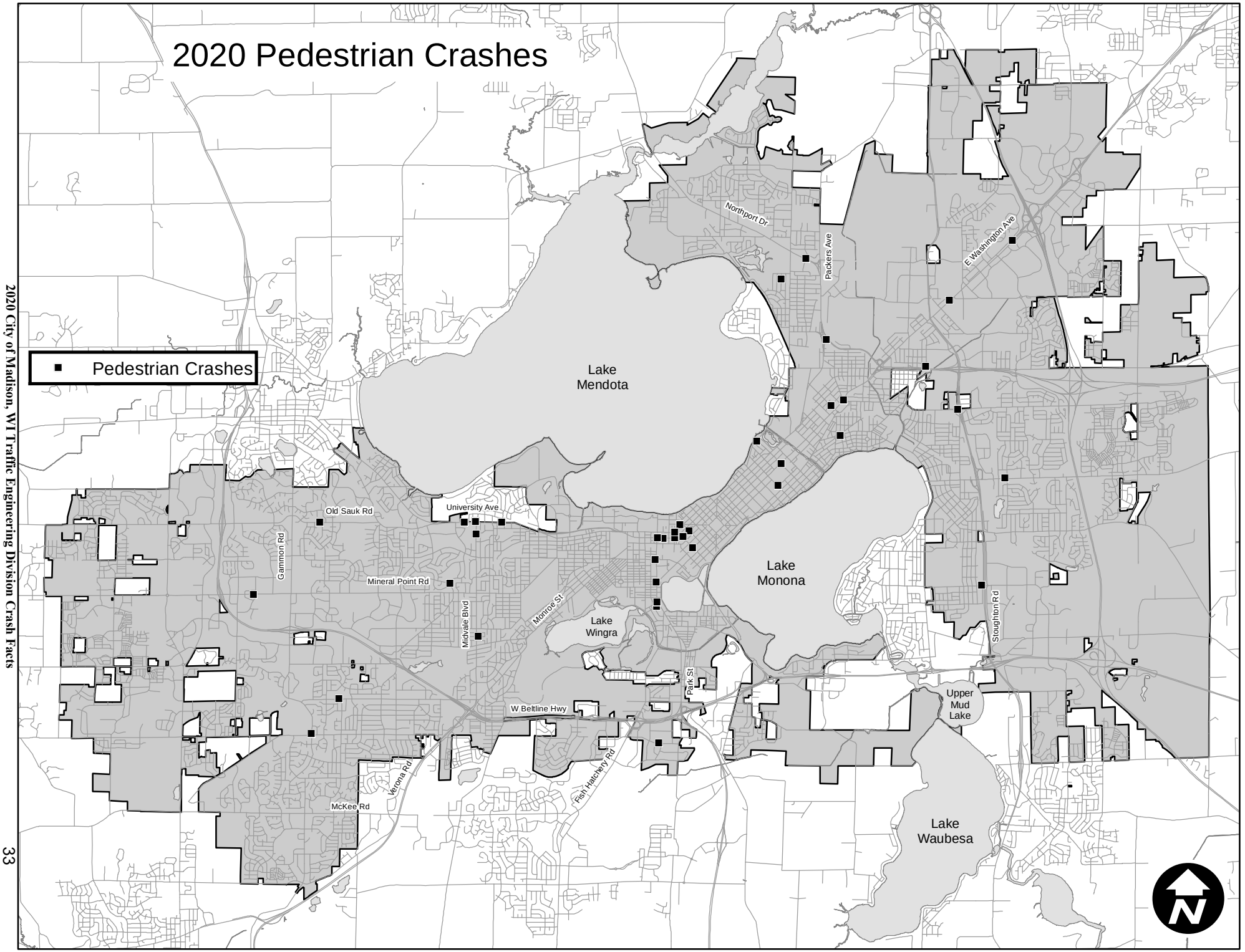
Percentages are rounded and may not total 100%

Pedestrian Crash Summary

LOCATIONS WITH TWO OR MORE PEDESTRIAN CRASHES

Location	Number of Crashes	Type of Traffic Control
N Midvale Blvd & Rose Pl	2	Signalized Intersection

2020 Pedestrian Crashes



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MOTORCYCLE CRASH SUMMARY

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Motorcycle Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Motorcycle Crashes..... 40

Number of injury crashes..... *(Total Injuries 35)* 31

Number of fatal crashes..... *(Total Fatalities 4)* 4

COMMON ELEMENTS OF MOTORCYCLE CRASHES

Most Common Auto and Motorcycle Operator Factors Reported

No Contributing Action..... 70%

Failed to Yield Right-Of-Way..... 25%

Failure To Control..... 22%

Percentages may be over 100% due to the possibility of up to six factors listed per crash on the crash report.

Most Common Motorcycle Operator Factors Reported

*Due to changes with data collected in DT4000 Crash Reports, Motocycle Operator Factors now grouped with Auto Operator Factors.

Most Common Manner Of Collision Reported For All Motorcycle Crashes

No Collision W/Vehicle In Transport..... 30%

Front To Side..... 28%

Front To Rear..... 15%

MOTORCYCLE CRASHES / TRAFFIC CONTROL

Type Of Traffic Control	Number Of Crashes	% Of Motorcycle Crashes
Stop Controlled Intersection	13	32%
Signalized Intersection	11	28%
Hwy Non-Intersection	7	18%
Non-Intersection	5	12%
Yield Controlled Roundabout Intersecti	2	5%
Multiple Stop Controlled Intersection	2	5%

Percentages rounded and may not total 100%

****Highway Crashes Included in Data Analysis****

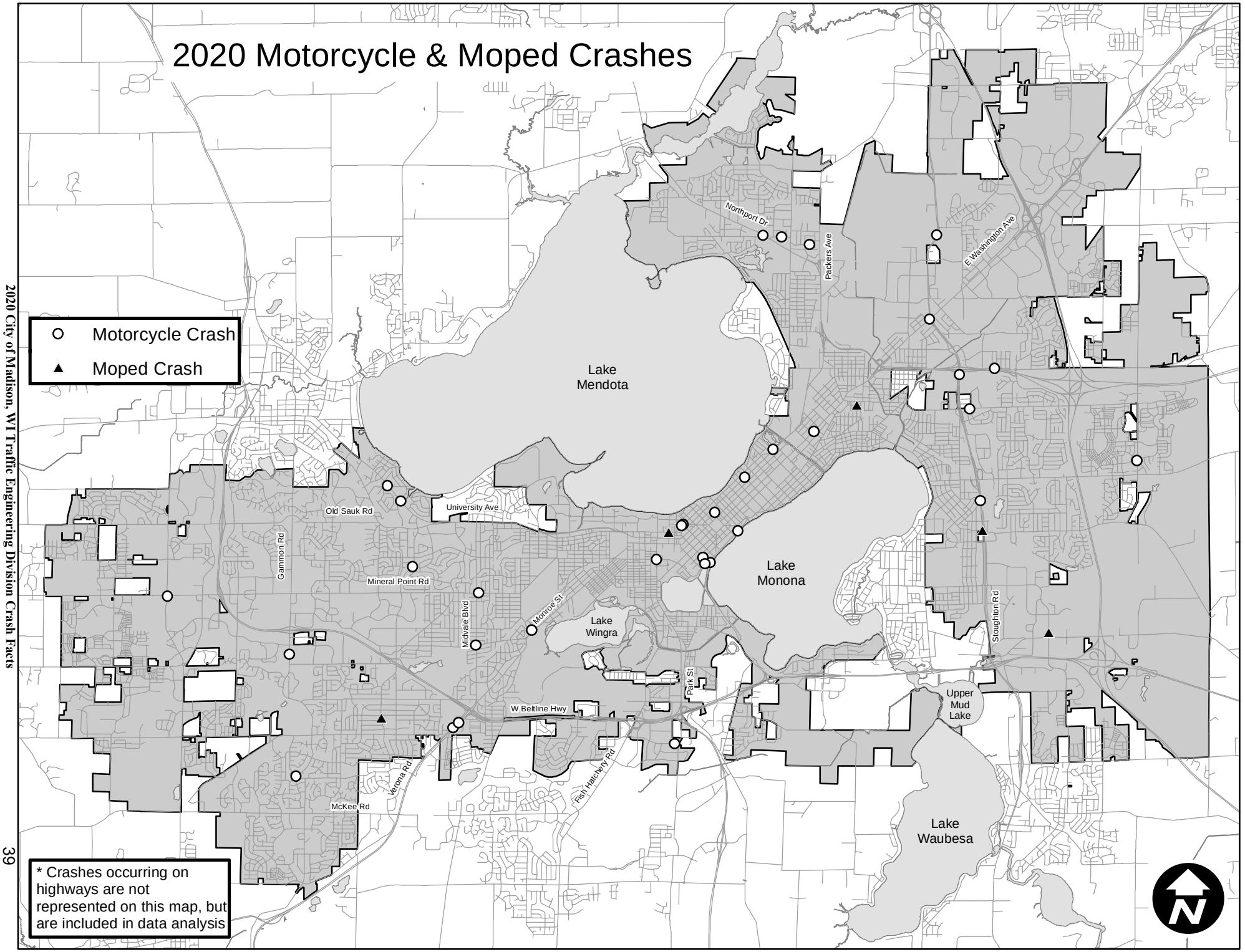
Motorcycle Crash Summary

LOCATIONS WITH TWO OR MORE MOTORCYCLE CRASHES

Location	Number of Crashes	Type of Traffic Control
N Broom St & W Gilman St	2	Multiple Stop Controlled Intersection

****Highway Crashes Included in Data Analysis****

2020 Motorcycle & Moped Crashes



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MOPED
CRASH SUMMARY

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Moped Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Moped Crashes..... 5

Number of injury crashes..... *(Total Injuries 4)* 4

Number of fatal crashes..... *(Total Fatalities 0)* 0

COMMON ELEMENTS OF MOPED CRASHES

Most Common Auto and Moped Operator Factors Reported

No Contributing Action..... 80%

Failed to Yield Right-Of-Way..... 40%

Unknown..... 20%

Vehicle In Inattentive, Careless or Erratic Manner..... 20%

Following Too Close..... 20%

Failure To Control..... 20%

Percentages may be over 100% due to the possibility of up to six factors listed per crash on the crash report.

Most Common Moped Operator Factors Reported

*Due to changes with data collected in DT4000 Crash Reports, Moped Operator Factors now grouped with Auto Operator Factors.

Most Common Manner Of Collision Reported For All Moped Crashes

No Collision W/Vehicle In Transport..... 40%

Front To Rear..... 40%

Front To Side..... 20%

MOPED CRASHES / TRAFFIC CONTROL

Type Of Traffic Control	Number Of Crashes	% Of Moped Crashes
Signalized Intersection	2	40%
Uncontrolled Intersection	1	20%
Stop Controlled Intersection	1	20%
Non-Intersection	1	20%

Percentages rounded and may not total 100%

****Highway Crashes Included in Data Analysis****

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FATAL
CRASH SUMMARY

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Fatal Crash Summary

	Location / Date/Time	Crash Type	Road Condition	Light Condition	Weather Condition	Traffic Control
	Fatality: Age-Sex-Role		Alcohol Present - Role			Drug Present - Role
	Crash Description					
1	**NB USH 12-14 (near Mineral Point Rd Ramp)**					
	Sat 1/4/2020 6:50 AM	Rear End	Dry	Unknown	Cloudy	
	27 - M - Driver (Unit 2)					Yes - Driver (Unit 2)
	WB vehicle 2 rear ended vehicle 1, causing vehicle 2 to strike guardrail and wall, coming to rest on its side.					
2	**2000 Northport Dr (EB)**					
	Fri 3/20/2020 11:48 PM	Single Vehicle Going Swerved	Dry	Dark-Lighted	Clear	
	22 - M - Unknown		Yes - Driver & Passengers			
	26 - M - Unknown		Yes - Driver & Passengers			
	26 - M - Unknown		Yes - Driver & Passengers			
	24 - M - Unknown		Yes - Driver & Passengers			
	SB vehicle lost control, striking tree.					
3	**Forest Run Rd & Hayes Rd**					
	Sun 4/19/2020 12:03 AM	Single Vehicle Going Straight	Dry	Dark-Lighted	Clear	Stop
	18 - M - Passenger		Yes - Driver & Passenger			
	SB vehicle struck legally parked semi-trailer facing SB.					
4	**E Washington Ave (E of Zeier Rd) & E Wash Ave Frontage Rd (Access Rd)**					
	Sun 6/21/2020 Unknown	Single Vehicle Going Straight	Unknown	Unknown	Unknown	Stop
	46 - M - Pedestrian					
	WB vehicle struck pedestrian crossing in unknown direction without crosswalk.					
5	**Acewood Blvd & Cottage Grove Rd**					
	Mon 6/22/2020 10:08 AM	Single Vehicle Going Straight	Wet	Dark-Lighted	Rain	Signalized
	29 - F - Pedestrian					
	WB vehicle struck pedestrian crossing SB without crosswalk.					
6	**Northport Dr & Troy Dr (W)**					
	Fri 7/3/2020 3:32 PM	Left Turn Crossing Traffic From Right	Dry	Daylight	Clear	Signalized
	24 - M - Motorcyclist					
	WB vehicle turned left and struck EB motorcycle traveling straight through intersection.					
7	**1900 Thackeray Rd**					
	Sat 7/18/2020 7:37 AM	Single Vehicle Going Straight	Dry	Daylight	Cloudy	
	31 - M - Motorcyclist					
	EB motorcycle lost control, striking legally parked vehicle facing WB.					
8	**1200 S Stoughton Rd**					
	Fri 9/4/2020 2:06 PM	Single Vehicle Swerved	Dry	Daylight	Clear	
	15 - F - Passenger					
	SB vehicle lost control, striking embankment, becoming airborne, and flipping.					

	Location Date/Time	Crash Type	Road Condition	Light Condition	Weather Condition	Traffic Control
	Fatality: Age-Sex-Role		Alcohol Present - Role			Drug Present - Role
	Crash Description					
9	**Marathon Dr & S Whitney Way** Tue 9/15/2020 8:14 PM	Single Vehicle Swerved	Dry	Dark-Lighted	Clear	Stop
	27 - M - Motorcyclist					
	NB motorcycle lost control, ejecting operator into roadway.					
10	**Grand Canyon Dr & Mineral Point Rd** Thu 9/17/2020 7:00 PM	Left Turn Crossing Traffic From Right	Dry	Daylight	Clear	Signalized
	22 - M - Driver (Unit 2)					Yes - Driver (Unit 1)
	WB vehicle traveling straight through intersection struck EB vehicle turning left.					
11	**EB I 39-90 (near USH 12-18 Ramp)** Thu 9/24/2020 Unknown	Single Vehicle Swerved	Dry	Dark-Unlit	Clear	
	26 - M - Driver					
	SB vehicle lost control and rolled, ejecting operator.					
12	**Commercial Ave & Felland Rd** Fri 10/9/2020 10:10 AM	Single Vehicle Turning Left	Dry	Daylight	Clear	Stop
	80 - F - Passenger					
	EB vehicle turned left, striking tree.					

5-YEAR INTERSECTION EPDO CRASH SUMMARY

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The Mayor and Common Council approved Madison becoming a Vision Zero City. Vision Zero is a deliberate and focused effort to eliminate all traffic fatalities and severe injuries. This crash analysis continues to investigate severity of crashes in addition to frequency of crashes – because crash severity changes lives and families.

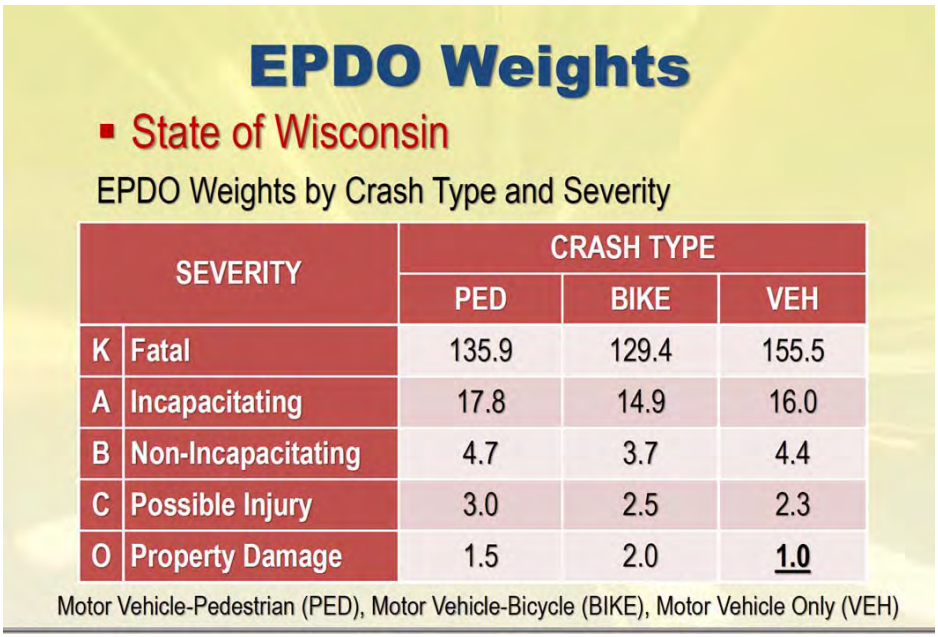
Many states use an Equivalent Property Damage Only (EPDO) weighting scale, which assigns more weight to crashes with injuries. For example, a crash with a fatality could be worth150 times a property damage only crash. In 2018 the Wisconsin Traffic Operations and Safety Laboratory along with the Madison Area Transportation Planning Board developed Wisconsin specific EPDO factors for the state of Wisconsin. Crash and hospital databases were linked to categorize injuriesby part of the body, fracture involvement, and threat to life. Wisconsin Crash Outcome Evaluation System (CODES) data was used to provide cost estimates for medical, societal and quality of life costs by person injured in a crash. Bureau of Labor Statistics data was also used toprovide cost estimates for non-hospitalized crash cases. The following tables summarize their findings both in dollar amounts and in factors.

State of Wisconsin

Crash Cost by Type and Severity

SEVERITY		CRASH TYPE		
		PED	BIKE	VEH
K	Fatal	$3,305,922	$3,147,627	$3,782,512
A	Incapacitating	$433,383	$362,759	$389,169
B	Non-Incapacitating	$113,100	$90,303	$107,674
C	Possible Injury	$73,539	$60,060	$56,365
O	Property Damage	$35,692	$49,042	$24,322

Motor Vehicle-Pedestrian (PED), Motor Vehicle-Bicycle (BIKE), Motor Vehicle Only (VEH)



In this document, a 5-year Intersection EPDO Crash Summary is provided based on the EPDO factors developed by the Wisconsin Traffic Operations and Safety Lab and the Madison Area Transportation Planning Board. Each crash is weighted based on the crash severity and the equivalent damage only crash cost. The 5-year rolling average helps to even out the perturbations in crash numbers that can occur in a single year, and provides a better understanding of the general trend of traffic safety.

Vision Zero efforts will focus on intersections and corridors with high crash severities rather than on intersections and corridors with high crash numbers.

Five-Year Intersection EPDO Summary

TOP 30 HIGHEST EPDO INTERSECTIONS

(All or Partially Within City of Madison Limits)

Rank	Intersection	**EPDO Value	Crash Count	Crash Count By Severity		
				Fatal	Injury	PDO
1	Acewood Blvd & Cottage Grove Rd	349.7	32	2	11	19
2	N Stoughton Rd & E Washington Ave	296.9	75	1	22	52
3	N Baldwin St & E Washington Ave	272.5	65	1	20	44
4	US Highway 12 & 18 & Brandt Rd	232.9	31	1	13	17
5	John Nolen Dr & North Shore Dr	229.9	45	1	14	30
6	Northport Dr & Troy Dr (W)	225.5	28	1	11	16
7	Commercial Ave & Felland Rd	196.4	12	1	6	5
8	Mineral Point Rd & N Pleasant View Rd	193.9	156	0	13	143
9	Commerce Dr & Mineral Point Rd	187.5	16	1	5	10
10	Buckeye Rd & S Stoughton Rd	178.4	82	0	24	58
11	S Gammon Rd & Mineral Point Rd	175.5	68	0	28	40
12	Grand Canyon Dr & Mineral Point Rd	171.8	10	1	4	5
13	Marathon Dr & S Whitney Way	157.5	3	1	0	2
14	S Gammon Rd & Watts Rd	155.7	76	0	22	54
15	Forest Run Rd & Hayes Rd	155.5	1	1	0	0
16	Blossom Ln & E Buckeye Rd	155.4	9	1	4	4
17	N First St & E Washington Ave	153	72	0	26	46
18	E Washington Ave & Zeier Rd	147.4	52	0	24	28
19	Commercial Ave & N Sherman Ave	144.6	7	1	1	5
20	E Washington Ave & E Wash Ave Frontage Rd (Access Rd)	140.9	6	1	0	5
21	N Park St & Regent St	133.6	50	0	23	27
22	Lien Rd & E Washington Ave	126.6	55	0	23	32
23	W Johnson St & N Park St	119	56	0	21	35
24	E Broadway & S Stoughton Rd	113.6	60	0	18	42
25	Portage Rd & Thierer Rd	112.7	50	0	15	35
26	International Ln & Packers Ave	111.5	54	0	20	34
27	E Johnson St & Wisconsin Ave	110.2	45	0	18	27
28	S Park St & Vilas Ave	104.1	43	0	12	31
29	W Badger Rd & S Park St	103.1	50	0	19	31
30	W Beltline Hwy & S Whitney Way	102	61	0	19	42

**EPDO Value for reference only. EPDO Values are not an accurate representation due to changes in intersection crash counting method for beginning in 2019 as compared to previous years.

2020 and 2019 intersection crash counts include crashes that occurred within 250' of intersection. Previous counts (2016-2018) used in 5-Year Average calculations include crashes occurring within the intersection and not beyond the crosswalks.