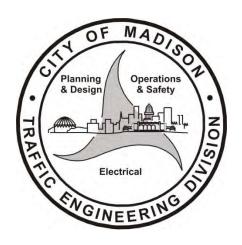


City of Madison, WI 2017 Crash Report





Traffic Engineering Division

Yang Tao, PhD, PE, City Traffic Engineer

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The City of Madison's annual Crash Report contains statistics, charts and tables summarizing the most common factors for 2017 crashes. The report is divided into eight sections: *Intersection Crash Summary, Roundabout Crash Summary, Non-Intersection Crash Summary, Bicycle Crash Summary, Pedestrian Crash Summary, Motorcycle Crash Summary, Moped Crash Summary, and Fatal Crash Summary.*

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, road and weather conditions, etc. This information, along with diagrammed crashes, assists the engineers in reviewing crashes and planning strategies to reduce crashes more efficiently.

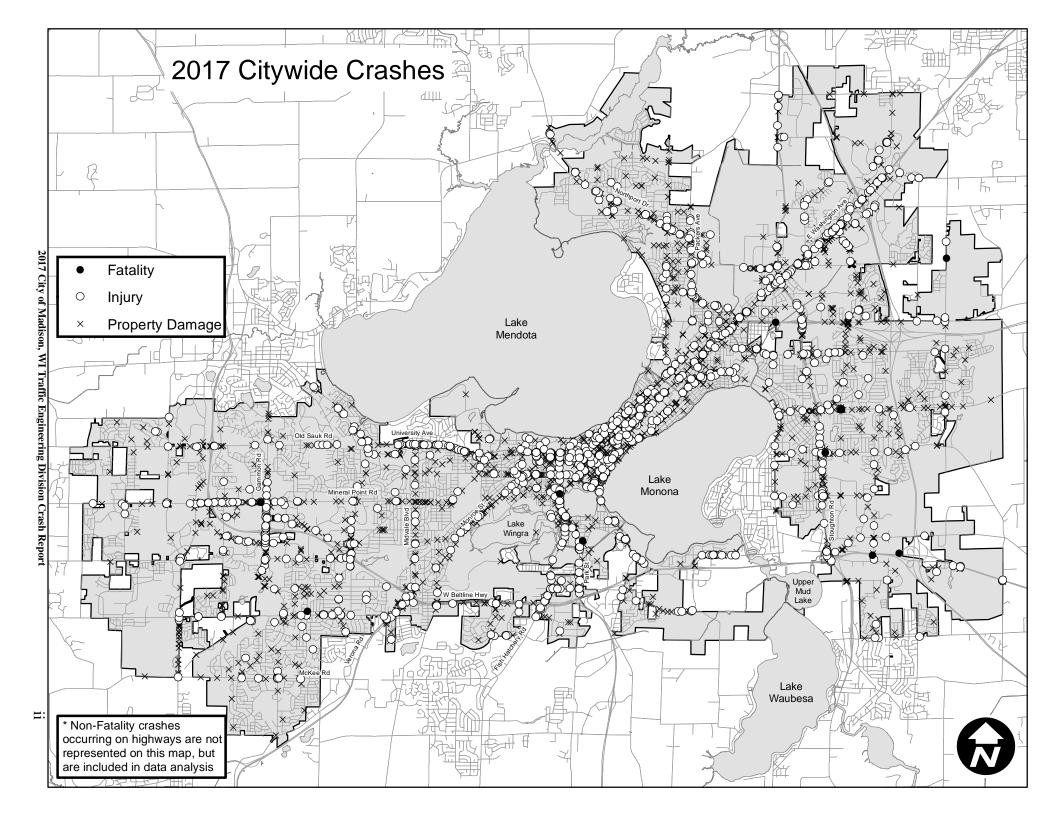
Sincerely,

Yang Tao, PhD, PE City Traffic Engineer

2017 City of Madison, WI Traffic Engineering Division Crash Report

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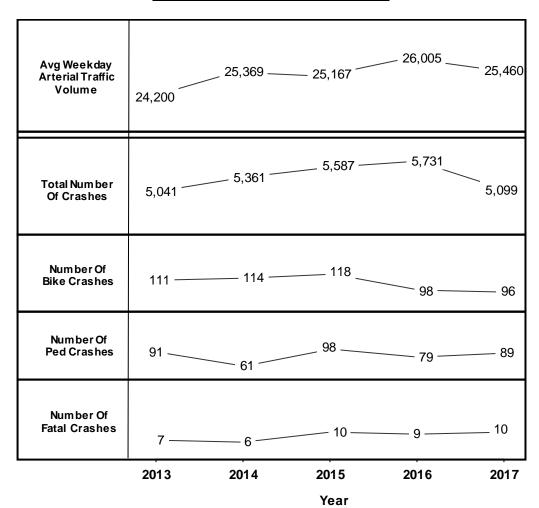


Annual Crash Overview

Crash Totals

Total I	Number of Crashes	5,0	99
	Fatal Crashes(Tota	l Fatalities 11)	10
Crash -	Totals by General Location**		
	Non-Intersection Crashes Roundabout Crashes Intersection Crashes Hwy Crashes	8 1,42	5 26
Crash -	Totals Involving Bicyclists or Pec	destrians**	
	Bicycle-Motor Vehicle Crashes Pedestrian-Motor Vehicle Crash		

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	1,784
Total Number	of Fatalities	11

Estimated Economic Loss From Injuries / Fatalities / Property Damage Due To Crashes¹

Total Number of Injuries	1, [`]	784
Incapacitating Injuries Non-Incapacitating Injuries Possible Injuries	714	\$19,777,800
Total Number of Fatalities	11	\$17,798,000
Total Number of Crashes With Property Damage Only	3,732	\$44,784,000

Grand Total\$112.0 million

¹ Economic loss measures the economic loss to a community resulting from traffic crashes. The costs above were calculated using the 2016 National Safety Council estimates factored up by the CPI for 2016.

INTERSECTION CRASH SUMMARY

Intersection Crash Summary

CRASHES / INJURIES / FATALITIES

•••••		1,426
(Total Injuries	704)	514
(Total Fatalities	2)	2
INTERSECTION C	<u>CRASHES</u>	
ı Crashes		47%
		19%
		9%
rsection Crashes		41%
		26%
		9%
section Crashes		5201
	(Total Injuries (Total Fatalities INTERSECTION C Total Fatalities INTERSECTION C Total Fatalities	rsection Crashes

INTERSECTION CRASHES / TRAFFIC CONTROL

Type Of Traffic Control	Number Of Crashes	% Of Int. Crashes
Signal	828	58%
Stop	524	37%
No Control	31	2%
Stop (All Way)	30	2%
Yield	12	1%
Stop (Multi)	1	0%

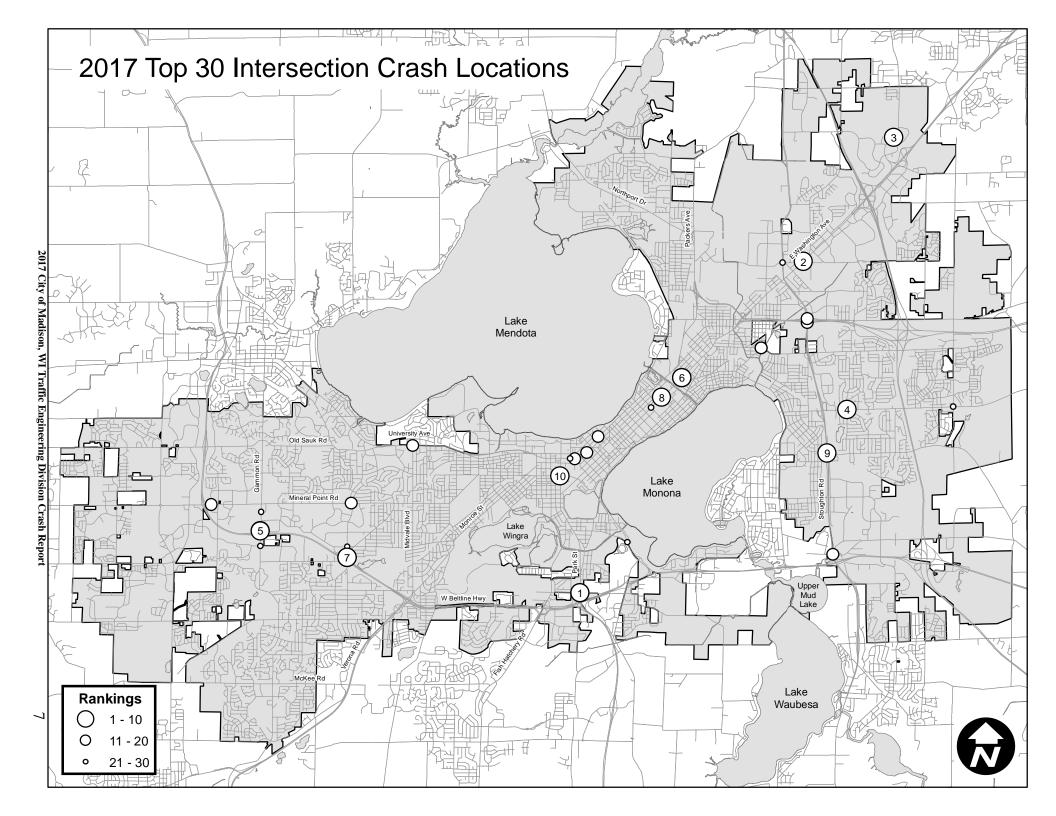
^{**}Percentages rounded and may not total 100%**

Intersection Crash Summary

TOP 30 HIGHEST CRASH INTERSECTIONS

(All or Partially Within City of Madison Limits)

Rank	Intersection		Number of Crashes	Type of Traffic Control	Other Muni Other Roadway
1	W Badger Rd & S Park St	*	12	Signal	USH
2	Lien Rd & E Washington Ave	*	12	Signal	USH
3	American Pkwy & American Family Dr		11	Stop	
4	Acewood Blvd & Cottage Grove Rd		11	Signal	
5	W Beltline Hwy & S Gammon Rd (N)	*	11	Signal	USH
6	N First St & E Washington Ave	*	11	Signal	USH
7	W Beltline Hwy & S Whitney Way	*	10	Signal	USH
8	N Baldwin St & E Washington Ave	*	10	Signal	USH
9	Buckeye Rd & S Stoughton Rd	*	10	Signal	Blo-T USH
10	N Park St & Regent St		10	Signal	
11	N Midvale Blvd & Rose Pl	*	10	Signal	Sho-V CTH
12	E Gorham St & Wisconsin Ave		9	Signal	
13	Big Sky Dr & Mineral Point Rd		9	Stop	
14	N Broom St & W Johnson St		9	Signal	
15	Mineral Point Rd & S Whitney Way		9	Signal	
16	E Broadway & S Stoughton Rd	*	9	Signal	Mon-C USH
17	State Rd 30 & N Stoughton Rd (S)	*	9	Signal	USH
18	N Fair Oaks Ave & Milwaukee St		8	Signal	
19	State Rd 30 & N Stoughton Rd (N)	*	8	Signal	USH
20	N Frances St & W Johnson St		8	Signal	
21	W Johnson St & N Lake St		8	Signal	
22	Cottage Grove Rd & S Sprecher Rd	*	7	Signal	СТН
23	Gammon Pl & S Gammon Rd		7	Signal	
24	Hughes Pl & S Park St	*	7	Signal	USH
25	Anderson St & N Stoughton Rd	*	7	Signal	USH
26	John Nolen Dr & E Olin Ave	*	7	Signal	Mad-T CTH
27	Odana Rd & S Whitney Way		7	Signal	
28	N Ingersoll St & E Washington Ave	*	7	Signal	USH
29	S Gammon Rd & Watts Rd		7	Signal	
30	Buckeye Rd & S Stoughton Rd Service Rd	*	6	Stop	Blo-T CTH



ROUNDABOUT CRASH SUMMARY

Roundabout Crash Summary

CRASHES / INJURIES / FATALITIES

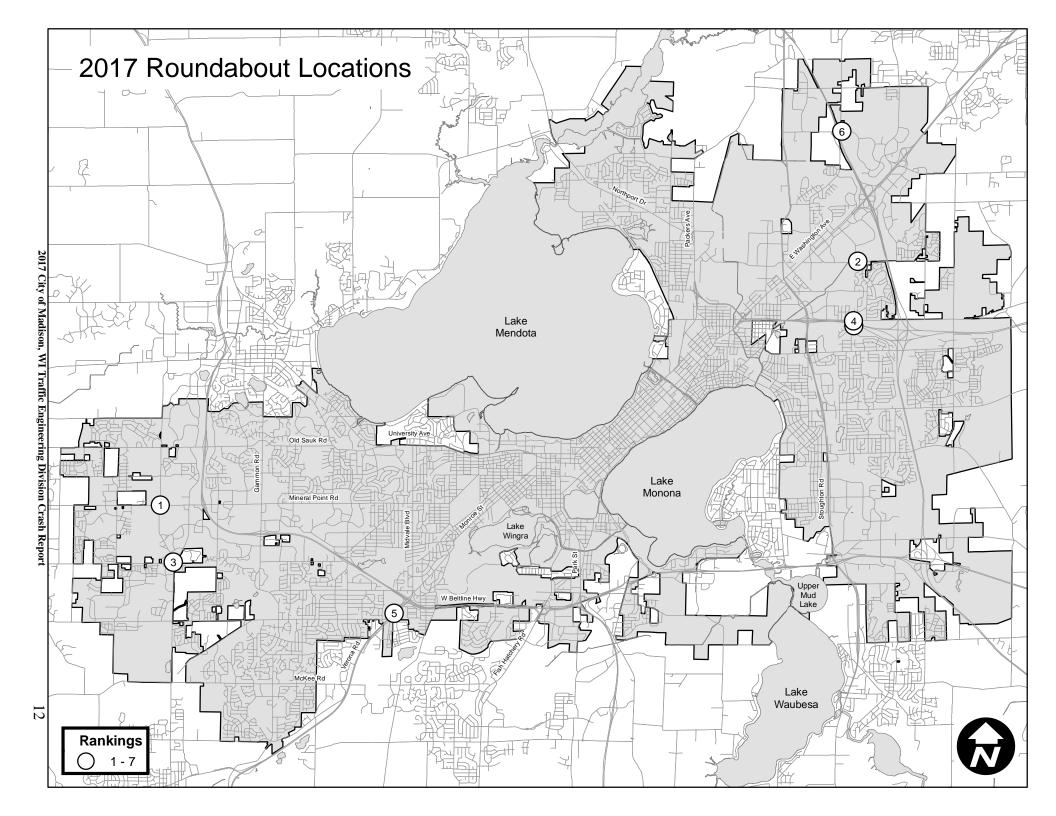
Total Number Of Reported Roundabout Crashe	S	•••••	85
Number of injury crashes	(Total Injuries	9)	8
Number of fatal crashes			
COMMON ELEMENTS	OF ROUNDABOUT CR	ASHES	
Most Common Driver Factors Reported For All Round			
Failure To Yield			51%
Failure To Keep Vehicle Under Control			20%
Improper Turn			8%
Most Common Manner Of Collision Reported For All			
e de la companya de			
Sideswipe Same Direction			14%
Rear End			13%

ROUNDABOUT CRASH TOTALS

(All or Partially Within City of Madison Limits)

Rank	Intersection		Number of Crashes	Other Muni Other Roadway
1	Mineral Point Rd & N Pleasant View Rd	*	40	СТН
2	Lien Rd & N Thompson Dr		20	
3	County Rd M & Valley View Rd	*	11	СТН
4	Commercial Ave & N Thompson Dr	*	8	СТН
5	Verona Frontage Rd (E) & Verona Frontage Rd (W)		2	
6	Eastpark Blvd & Hanson Rd		2	Bur-T
7	N Thompson Dr & EB State Rd 30 Exit Ramp	*	2	STH

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



NON-INTERSECTION CRASH SUMMARY

Non-Intersection Crash Summary

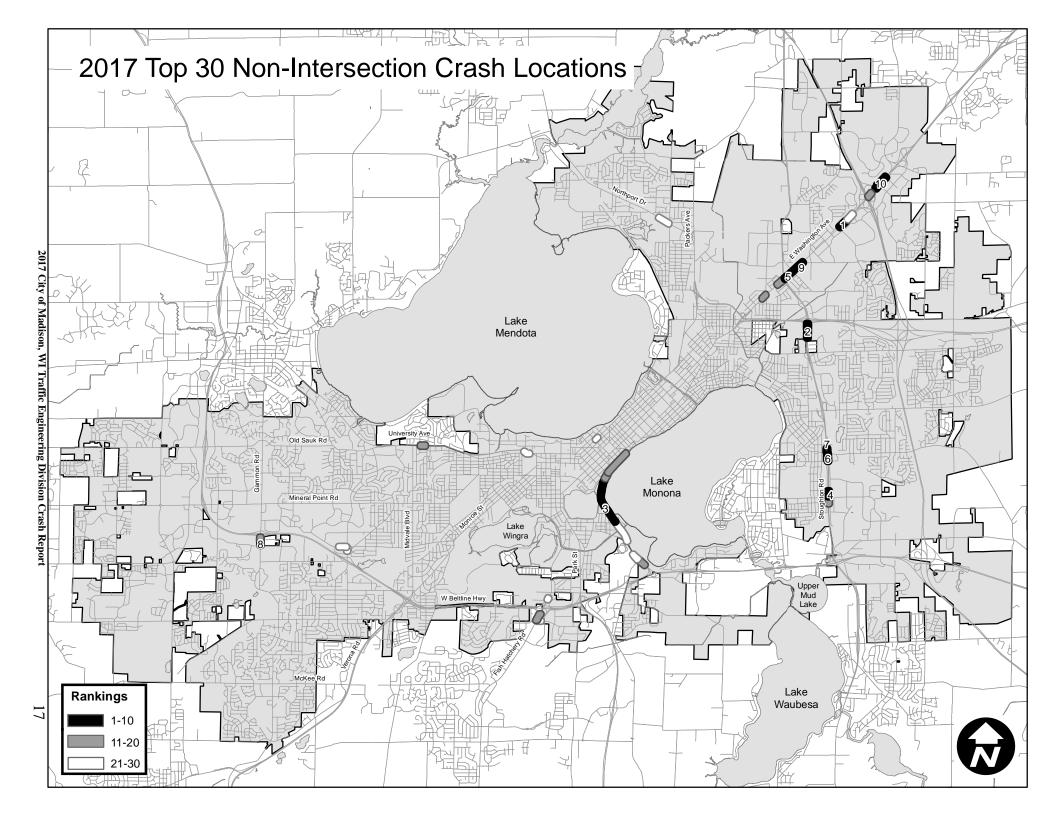
CRASHES / INJURIES / FATALITIES

Total Number Of Reported Non-Intersection Crass	hes		2,940
Number of injury crashes	(Total Injuries	887)	686
Number of fatal crashes	(Total Fatalities	5)	5
COMMON ELEMENTS OF	NON-INTERSECTION	N CRASHES	
Most Common Driver Factors Reported For All Non-In	ntersection Crashes		
Following Too Close			23%
Failure To Keep Vehicle Under Control			21%
Other			12%
Inattentive Driving			11%
Failure To Yield			9%
Most Common Manner Of Collision Reported For All I	Non-Intersection Crashes		
Rear End			50%
Sideswipe/Same Direction			19%
No Collision With Another Vehicle			15%
Angle			10%
Sideswipe/Opposite Direction			2%

Non-Intersection Crash Summary

TOP 30 HIGHEST CRASH NON-INTERSECTION LOCATIONS

Rank	Location	Number of Crashes	Estimated Traffic On Average Day
1	4700 E Washington Ave	30	44,150
2	300 N Stoughton Rd	28	53,250
3	400 John Nolen Dr	25	39,500
4	2400 S Stoughton Rd	22	47,750
5	3700 E Washington Ave	20	53,700
6	1800 S Stoughton Rd	18	47,750
7	1700 S Stoughton Rd	17	48,400
8	675 S Gammon Rd	16	39,300
9	3800 E Washington Ave	15	49,650
10	5300 E Washington Ave	15	53,850
11	3500 University Ave	14	53,250
12	2800 Fish Hatchery Rd	13	38,550
13	3600 E Washington Ave	13	40,600
14	1 John Nolen Dr (W of Monona Terrace Signals)	12	38,200
15	5100 E Washington Ave	12	48,045
16	3375 E Washington Ave	11	35,850
17	650 S Gammon Rd	11	39,300
18	800 John Nolen Dr	11	41,850
19	2500 S Stoughton Rd	11	44,350
20	300 John Nolen Dr	11	52,700
21	1500 Greenway Cross	10	13,550
22	2600 Fish Hatchery Rd	10	36,750
23	500 John Nolen Dr	10	37,150
24	700 John Nolen Dr	10	47,600
25	5500 Odana Rd	9	14,850
26	10 W Gorham St	9	18,700
27	1500 Campus Dr	9	25,700
28	1600 Northport Dr	9	36,500
29	700 S Whitney Way	9	41,600
30	4726-4810 E Washington Ave	9	42,950



BICYCLE CRASH SUMMARY

Bicycle Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Bicycle Crashes	••••••	••••••	96
Number of injury crashes	(Total Injuries	91)	91
Number of fatal crashes			
COMMON ELEMEN	NTS OF BICYCLE CRA	SHES	
Most Common Auto Operator Factors Reported			
Failure To Yield			53%
Inattentive Driving			
Other			2%
Failure To Keep Vehicle Under Control			2%
Disregard Traffic Control			2%
Most Common Bicycle Operator Factors Reported*			
*Due to changes with data collected in nev	w DT4000 Crash Reports, Bicyc	ele Operator Factor p	percentages unavailable.
Most Common Manner Of Collision Reported For All Vehicle Turning Left & Bike From R			25%
Vehicle Going Straight & Bike From R	light		18%
Vehicle Turning Right & Bike From Opposite Direct	etion		14%

BICYCLE CRASHES / TRAFFIC CONTROL

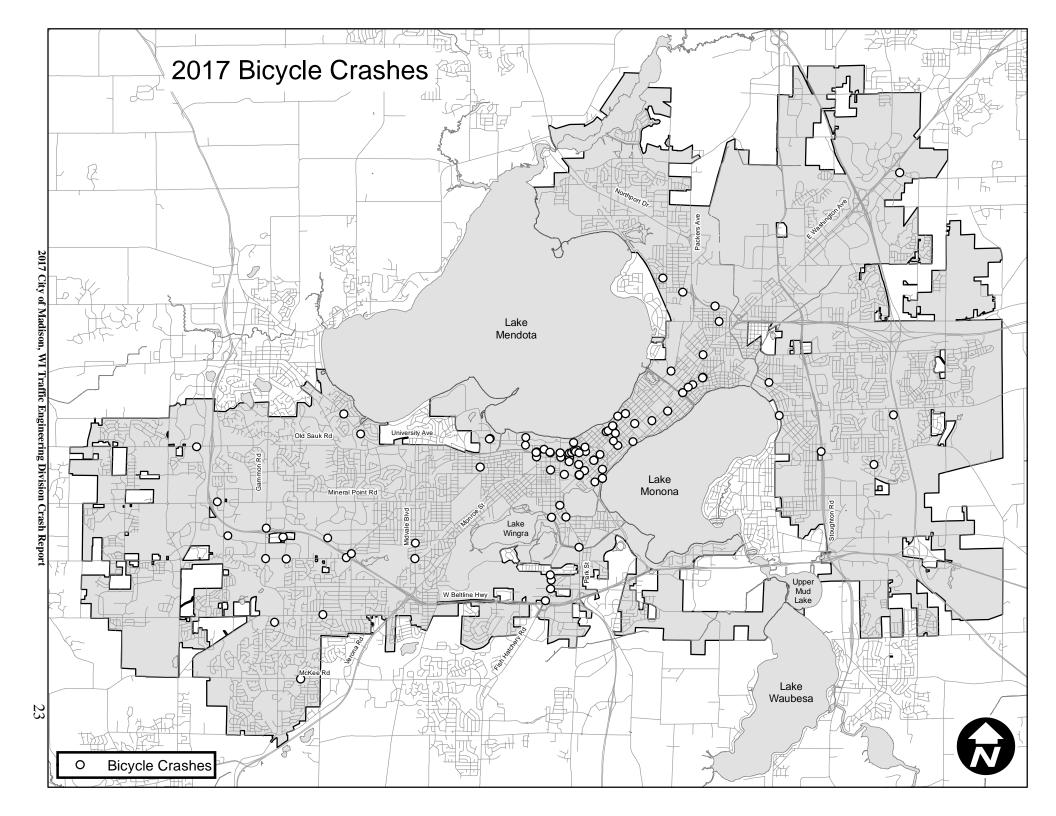
Type Of Traffic Control	Number Of Crashes	% Of Bicycle Crashes
Signalized Intersection	43	45%
Stop Controlled Intersection	26	27%
Non-Intersection	22	23%
Uncontrolled Intersection	3	3%
Yield Controlled Intersection	1	1%
All Way Stop Controlled Intersection	1	1%

^{**}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
N Randall Ave & University Ave	4	Signalized Intersection
Division St & Eastwood Dr	3	Signalized Intersection
400 W Gilman St	2	Non-Intersection
John Nolen Dr & North Shore Dr	2	Signalized Intersection
N Broom St & W Washington Ave	2	Signalized Intersection
N Franklin St & E Johnson St	2	Stop Controlled Intersection
N Mills St & University Ave	2	Signalized Intersection
N Park St & University Ave	2	Signalized Intersection
Riverside Dr & Winnebago St	2	Signalized Intersection
Southwest Path & W Washington Ave	2	Stop Controlled Intersection
W Beltline Hwy & S Whitney Way	2	Signalized Intersection



PEDESTRIAN CRASH SUMMARY

Pedestrian Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Pedestrian C	Crashes		89
Number of injury crashes	(Total Injuries	92)	82
Number of fatal crashes	(Total Fatalities	3)	3
COMMON ELEM	MENTS OF PEDESTRIAN CR	<u>ASHES</u>	
Most Common Auto Operator Factors Reported Failure To Yield			34%
Inattentive Driving.			7%
Other			4%
Disregard Traffic Control			4%
Most Common Pedestrian Factors Reported			
*Due to changes with data of	collected in new DT4000 Crash Reports	s, Pedestrian Factor pe	rcentages unavailable
Most Common Manner Of Collision Reported Fo			
Vehicle Going Straight & Pedestrian Front			
	om Right		
Vehicle Going Straight & Pedestrian F	From Left		20%

PEDESTRIAN CRASHES / TRAFFIC CONTROL

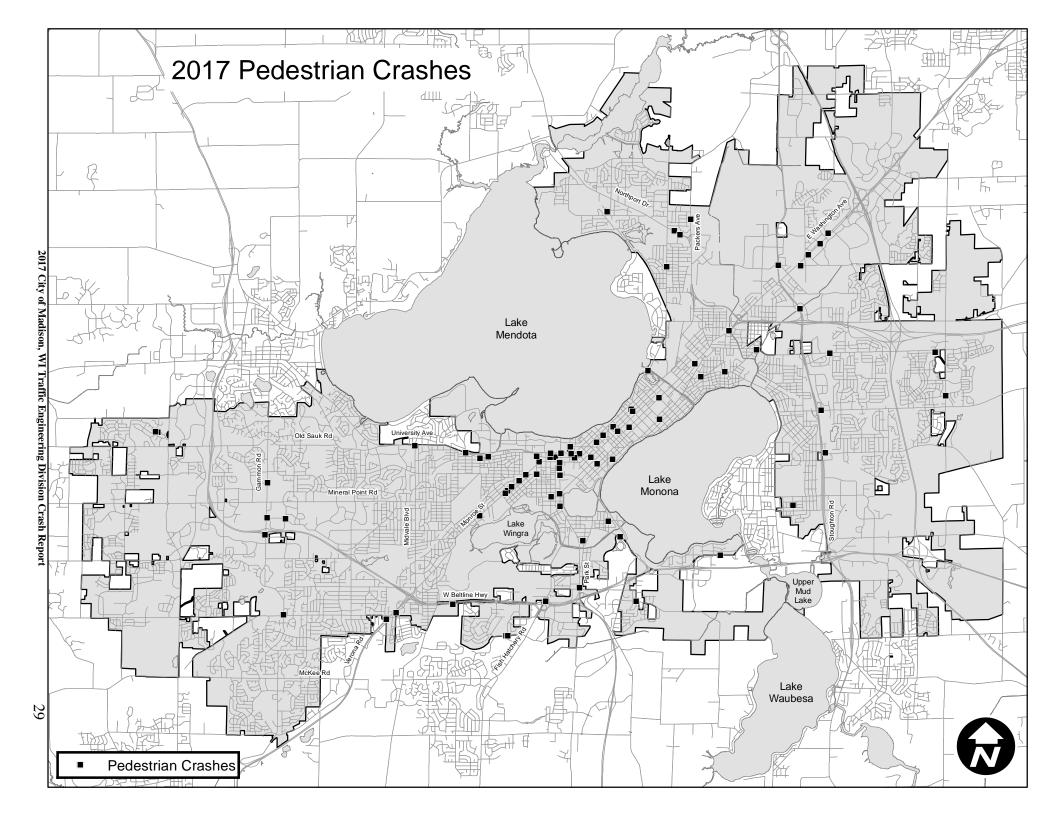
Type Of Traffic Control	Number Of Crashes	% Of Ped. Crashes
Signalized Intersection	36	40%
Stop Controlled Intersection	25	28%
Non-Intersection	24	27%
Uncontrolled Intersection	2	2%
Yield Controlled Intersection	1	1%
All Way Stop Controlled Intersection	1	1%

^{**}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
4400 Milwaukee St	2	Non-Intersection
N Baldwin St & E Washington Ave	2	Signalized Intersection
N Broom St & W Mifflin St	2	Stop Controlled Intersection
N Frances St & W Johnson St	2	Signalized Intersection
N Park St & Regent St	2	Signalized Intersection
S Carroll St & W Wilson St	2	Stop Controlled Intersection
W Dayton St & N Park St	2	Signalized Intersection



MOTORCYCLE CRASH SUMMARY

Motorcycle Crash Summary

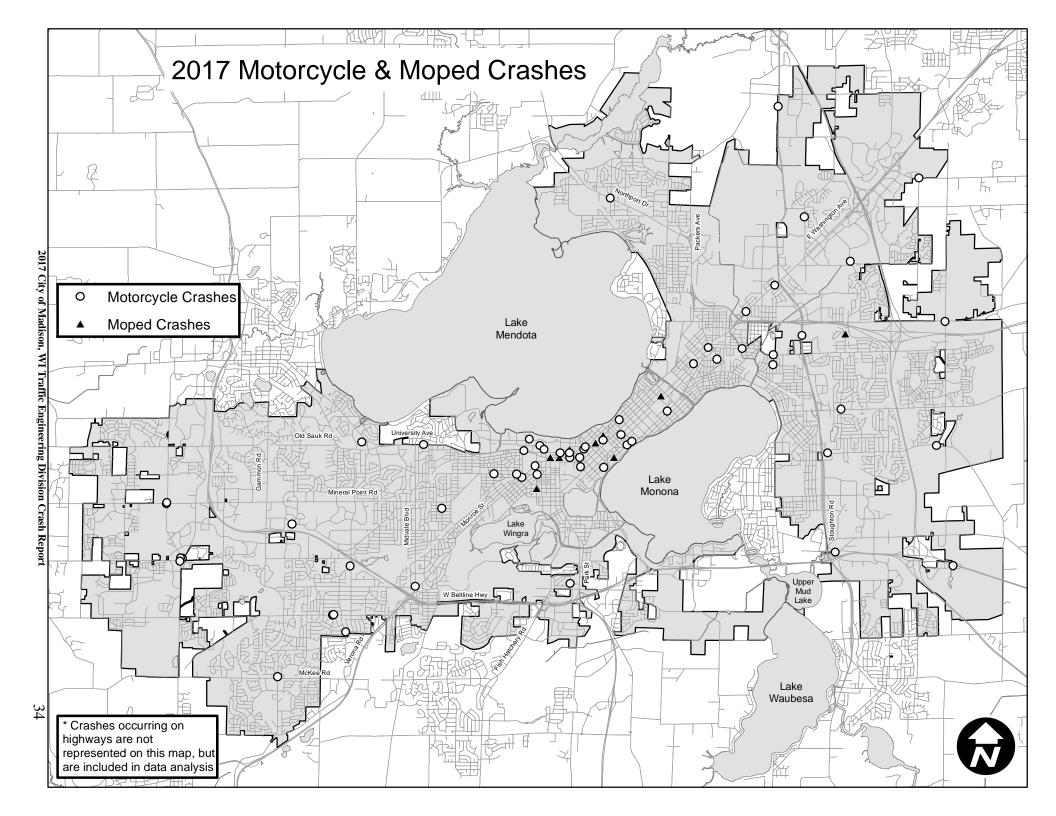
CRASHES / INJURIES / FATALITIES

Total Number Of Reported Motorcycle Crashes.	•••••	•••••	62
Number of injury crashes	(Total Injuries	52)	44
Number of fatal crashes	(Total Fatalities	2)	2
COMMON ELEMENTS O	OF MOTORCYCLE C	RASHES	
Most Common Auto Operator Factors Reported			
			23%
Other			8%
Improper Turn			8%
Failure To Keep Vehicle Under Control			
Most Common Motorcycle Operator Factors Reported			
Failure To Keep Vehicle Under Control			19%
Other			10%
Exceed Speed Limit			
Most Common Manner Of Collision Reported For All M	lotorcycle Crashes		
			32%
No Collision With Another Vehicle			26%
Rear End			21%

MOTORCYCLE CRASHES / TRAFFIC CONTROL

Type Of Traffic Control	Number Of Crashes	% Of Motorcycle Crashes
Non-Intersection	35	56%
Stop Controlled Intersection	13	21%
Signalized Intersection	7	11%
Yield Controlled Roundabout Intersect	3	5%
Hwy Non-Intersection	3	5%
Yield Controlled Intersection	1	2%

^{**}Percentages rounded and may not total 100% **



MOPED CRASH SUMMARY

Moped Crash Summary

CRASHES / INJURIES / FATALITIES

Total Number Of Reported Moped Crash	es	•••••	10
Number of injury crashes	(Total Injuries	8)	7
Number of fatal crashes			
COMMON ELEM	IENTS OF MOPED CRASI	HES	
Most Common Auto Operator Factors Reported			
Failure To Yield			10%
Most Common Moped Operator Factors Reported			
Failure To Keep Vehicle Under Control			30%
Following Too Close			20%
Improper Overtake			10%
Most Common Manner Of Collision Reported For A	ll Moped Crashes		
Rear End			50%
No Collision With Another Vehicle			
Angle			20%

MOPED CRASHES / TRAFFIC CONTROL

Type Of Traffic Control	Number Of Crashes	% Of Moped Crashes
Non-Intersection	7	70%
Stop Controlled Intersection	2	20%
Signalized Intersection	1	10%

^{**}Percentages rounded and may not total 100% **

FATAL CRASH SUMMARY

Fatal Crash Summary

	Loca	tion Date/Time		Crash Type	Road Condition	Light Condition	Weather Condition	Traffic Control
		Fatality: A	ge-Sex-Role		Alcohol Pr	esent - Role	l	Drug Present - Role
		Cras	h Descriptio	n				
1	Bloss Tue	om Ln & E 24-Jan-17	Buckeye R 7:10 PM	Rd Single Vehicle Going Straight	Dry	Dark-Lighted	Cloudy	Stop
		76 - M - P	Pedestrian					
		WB ve	ehicle struck	NB pedestrian crossing without a ci	rosswalk.			
2	WB S Sun	tate Highw 12-Feb-17		Fair Oaks Ave ramp) Head On	Dry	Day	Clear	
		37 - M - D	Priver Of WE	3 Vehicle (Unit 3)				
		34 - F - P	assenger O	f WB Vehicle (Unit 3)				
		EB ve	hicle flipped	, went airborne, and struck WB vehi	cles.			
_	400.0	Dowle C4						
3	9400 S	Park St 15-Apr-17	7:38 PM	Single Vehicle Turning Left	Dry	Day	Cloudy	
		· · · · · · · · · · · · · · · · · · ·	edestrian	0	Υ -	Driver		
		Vehici	le turnina SE	B left roadway onto sidewalk, striking	n pedestrians	 }.		
	<u> </u>		- to	one cauna, como con como ano como ano como a	, podostinam	•		
4		Mineral Po 03-May-17	1:19 PM	Single Vehicle Going Straight	Dry	Day	Clear	
		43 - M - D	Priver Of WE	3 Vehicle (Unit 1)				
		WB ve	ehicle crosse	ed median and EB traffic, eventually	striking brici	k pillar.		
5		ood Blvd & 07-May-17	& Cottage G 1:26 PM	irove Rd Left Turn Crossing Traffic From Right	Dry	Day	Clear	Signalized Intersection
		20 - M - D	Priver Of WE	3 Motorized Cycle (Unit 1)				
		Vehic	le turning NE	B and motorcycle traveling WB collid	led in interse	ction.		
6	EB I 3	89-90 ramp 01-Jun-17		S Highway 12 & 18 Single Vehicle Going Straight	Dry	Day	Clear	
		53 - M - D	Priver Of WE	B Motorized Cycle (Unit 2)				
		Motore	cyclist knock	ked into sign post after being struck i	by object fall	ing off of truc	k while ii	n transit.
7	600 P Sun	ine St 04-Jun-17	8:33 PM	Single Vehicle Backing	Dry	Dusk	Clear	
				S Vehicle (Unit 1)				
				ed on, vehicle rolled out of driveway,	striking and	pinnina pede	estrian.	
8	6150	Birch Hill [Dr					
	Fri	14-Jul-17	1:43 AM	Single Vehicle Going Straight	Dry	Dark-Lighted	Unknown	
				3 Vehicle (Unit 1)				
		NB ve	hicle left roa	ndway and struck utility pole.				
9	500 R Sun	einer Rd 03-Sep-17	9:35 PM	Single Vehicle Going Straight	Dry	Dark-Unlit	Clear	
		16 - M - D	river Of SB	Vehicle (Unit 1)				
		Vehicl	le traveling S	SB, crossed NB traffic, went into ditc	h and struck	tree.		
				·				

	Location Date/Time	Crash Type	Road Condition	Light Condition	Weather Condition	Traffic Control
	Fatality: Age-Sex-	Role	Alcohol Present - Role		Drug Present - Role	
	Crash Desc	ription				
10	EB US Highway 12 & 1 Thu 28-Sep-17 8:47 A	B (near Agriculture Dr) M Single Vehicle Going Straight	Dry	Day	Clear	
	26 - F - Driver Of EB Vehicle (Unit 1) Y - Driver					
	EB vehicle crossed all lanes of traffic and struck highway sign.					