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INTERSECTION

INTERSECTION CRASH SUMMARY

CRASHES / INJURIES / FATALITIES

Number of reported intersection crashes 1,967

Number of injury crashes 791

Number of injuries 1,106

Number of fatal crashes 6

Number of fatalities 6

CRASH HIGHLIGHTS

Most common driver factor at any intersection Percent

Failure to yield right of way 45%

Most common driver factors at signalized intersections

Failure to yield right of way 36%

Disregarded Traffic Control 22%

Most common manner of collision

Figures from GIS analysis

Vehicles entering intersection at right angles 35%

One vehicle making a left turn 32%

Number of intersections that had two or more crashes 356 Number

Crashes at Intersections

Signalized Intersections	Number of Crashes	% of all Intersection Crashes
Signals under normal operation	913	46.4%
Signals on flash	46	2.3%

Non-Signalized Intersections	Number of Crashes	% of all Intersection Crashes
Total	1008	51.2%

Number of Fatal Crashes	Number of Crashes	Number of Fatalities
At signalized intersections	3	3
At non-signalized intersections	3	3

* Includes also state controlled signals in the city, and a few city controlled signals not in the city.

** Includes other jurisdiction accidents when at a shared intersection or city signalized intersection

High Crash Frequency Intersections

City of Madison 2003

Rank	Intersection	Crash Count	2002 Rank	Traffic Control	Crash Rate
1	600 S Whitney Way & Median Break	24	4	Stop	n/a
2	W Badger Rd & S Park St	19	1	Signal	0.821
3	STH 30 & N Stoughton Rd (N)	18	22	Signal	0.682
4	Park St & Regent St	16	8	Signal	0.745
5	S Gammon Rd & Mineral Point Rd	16	20	Signal	0.760
6	Brooks St & Regent St	14	24	Stop	1.054
7	Buckeye Rd & S Stoughton Rd	14	5	Signal	0.693
8	East Towne Blvd & Independence Ln	13	18	Stop	3.776
9	John Nolen Dr & North Shore Dr	13		Signal	0.681
10	N Broom St & W Johnson St	13		Signal	1.062
11	N Stoughton Rd & E Washington Ave	12	6	Signal	0.394
12	Portage Rd & Thierer Rd (& E Washington Ave)	12	11	Signal	0.646
13	S Blair St & John Nolen Dr	12		Signal	0.678
14	E Johnson St & E Washington Ave	11	31	Signal	0.601
15	Prairie Rd & Raymond Rd	11		Stop	1.973
16	W Dayton St & N Randall Ave (W Johnson St construction related)	11		Signal	1.535
17	Gammon Pl & S Gammon Rd	10	19	Signal	1.091
18	Hoepker Rd & N Stoughton Rd	10	28	Stop	1.512
19	Johnson St & Wisconsin Ave	10		Signal	0.843
20	Junction Rd & Mineral Point Rd	10	7	Signal	0.707
21	Lien Rd & E Washington Ave	10	3	Signal	0.507
22	Milwaukee St & North St	10		Signal	0.469
23	N Broom St & W Dayton St	10		*	1.844
24	Raymond Rd & Verona Rd	10		Signal	0.517
25	W Dayton St & N Frances St (W Johnson St construction related)	10		*	3.163
26	Baldwin St & E Washington Ave	9	16	Signal	0.409
27	Cottage Grove Rd & Dempsey Rd	9		Signal	1.443
28	First St & E Washington Ave	9	2	Signal	0.391
29	Henry St & W Washington Ave	9		Stop	1.259
30	N Park St & University Ave	9	21	Signal	0.513
31	S Midvale Blvd & Mineral Point Rd	9		Signal	0.061
32	Verona Rd & Verona Access Rd	9		Signal	0.382

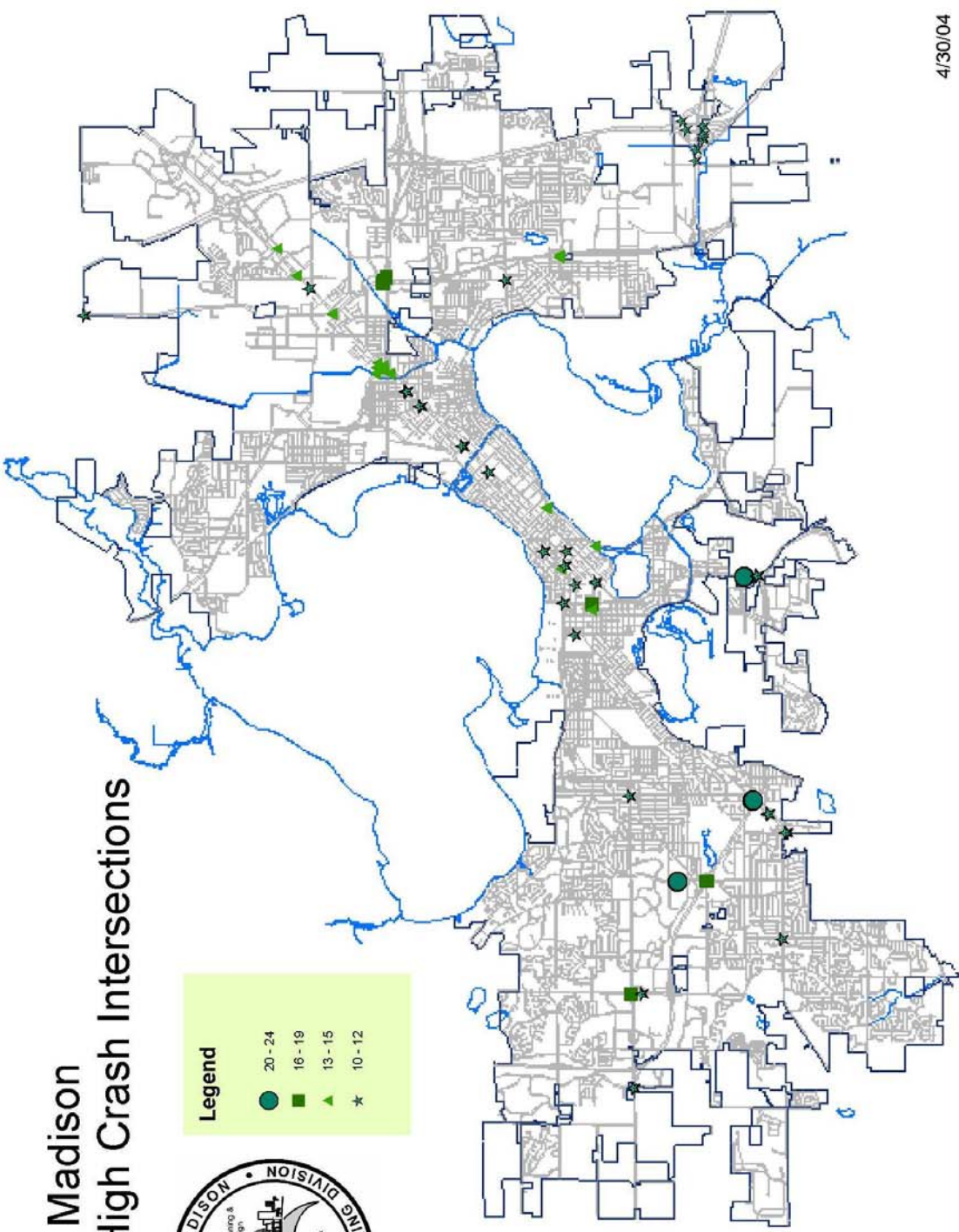
Intersection crash rate is (Count of Crashes*1,000,000)/(Average Volume*340AWT)

Does not include W Beltline Hwy intersections.

* Temporary Signal control intersections part of 2002, due to W Johnson St. Construction

TRAFFIC CONTROL / CRASHES AT INTERSECTIONS

Type of Traffic Control	Number of Intersections in city (2002)	Number of Intersections with at least One Crash	Percent of all Intersections with at least One Crash	Number of Intersections with Two or more Crashes	Percent of all Intersections with Two or more Crashes
Traffic Signals	247	198	80.16%	161	65.18%
All-Way Stops	54	14	25.93%	5	9.26%
Multi-Way Stops	27	6	22.22%	1	3.70%
Two-Way Stops	1753	421	24.02%	169	9.64%
Two-Way Yield	70	7	10.00%	0	0.00%
Uncontrolled	2183	50	2.29%	2	0.09%
TOTAL	4334	696	16.06%	339	7.82%



4/30/04 PAW

City of Madison 2003 High Crash Intersections



Legend

- 20 - 24
- 16 - 19
- ▲ 13 - 15
- ★ 10 - 12