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2010 CROSS MEDIAN CRASH SUMMARY

WisTransPortal was queried to obtain data for crashes that occurred on all divided highways without a median barrier in Wisconsin in 2009. All intersection-related and deer crashes were removed from the dataset resulting in 4636 crashes that could potentially be cross median crashes (CMC). Crash reports for 4487 crashes (out of 4636 potential crashes) were available on the WisTransPortal. Of the remaining 149 (4636 – 4487) reports, 148 were obtained from the E-client at Wisconsin Department of Transportation (WisDOT). On reviewing the crash reports furnished by WisDOT it was observed that for 3 crashes the image was smudged and not legible. At the end, 4 (out of 4636) reports were not reviewed.

TABLE 1 Multi-Vehicle Crossover Median Crashes by Year

Year	Crossover Median Crashes
2001	29
2002	37
2003	43
2004	44
2005	65
2006	44
2007	29
2008	29
2009	24
2010	26
Total	**370**

TABLE 2 2010 Crossover Median Crashes by Crash Severity

Crash Severity	Crashes
Property Damage Only	8 (30.8%)
Personal Injury	13 (50.0%)
Fatal	5 (19.2%)
Total	**26 (100%)**

TABLE 3 2001-09 Crossover Median Crashes by Crash Severity

Crash Severity	Crashes
Property Damage Only	79 (21.4%)
Personal Injury	212 (57.3%)
Fatal	79 (21.4%)
Total	**370 (100%)**

TABLE 4 2010 Crossover Median Crashes by Total Vehicles Involved

Total Vehicles Involved	Crashes
2	**22 (84.6%)**
Passenger Car – Passenger Car	9
Passenger Car – Truck	12
Truck – Truck	1
3	**4 (15.4%)**
Passenger Car – Passenger Car	1
Passenger Car – Truck	3
Totals	**26 (100.0%)**

TABLE 5 2001-10 Crossover Median Crashes by Total Vehicles Involved

Total Vehicles Involved	Crashes
2	**262 (70.8%)**
Passenger Car – Passenger Car	127
Passenger Car - Motorcycle	1
Passenger Car – Truck	91
Truck – Truck	22
3	**89 (24.1%)**
Passenger Car – Passenger Car	43
Passenger Car – Truck	36
Truck – Truck	6
4	**14 (3.8%)**
Passenger Car – Passenger Car	12
Passenger Car – Truck	2
5 or more	**5 (1.4%)**
Passenger Car – Passenger Car	5
Totals	**370 (100%)**

Two crashes could not be mapped as they were not RP-coded and hence not included in the crash shapefile provided by WisDOT. However, based on the crash reports, the research team computed their RP position and included them for the purpose of hotspot analysis.

TABLE 6 2010 Crossover Median Crashes by Crash Vehicle Type

Crossover Crash Vehicle Type	Crashes
Multiple Vehicle Total	
Passenger Car – Passenger Car	10 (38.5%)
Passenger Car – Truck	15 (57.7%)
Truck – Truck	1 (3.8%)
Total Crossover Median Crashes	**26 (100%)**

TABLE 7 2001-10 Crossover Median Crashes by Crash Vehicle Type

Crossover Crash Vehicle Type	Crashes
Multiple Vehicle Total	
Passenger Car – Passenger Car	197 (53.2%)
Passenger Car – Motorcycle	1 (0.3%)
Passenger Car – Truck	144 (38.9%)
Truck – Truck	28 (7.6%)
Total Crossover Median Crashes	**370 (100%)**

TABLE 8 2010 Crossover Median Crash Severity by Crash Vehicle Type

Crash Severity / Crossover Crash Vehicle Type		Property Damage Only	Personal Injury	Fatal	Totals
Multiple Vehicles Type	Passenger Car – Passenger Car	6	2	2	**10**
	Passenger Car – Motorcycle	0	0	0	**0**
	Passenger Car – Truck	2	10	3	**15**
	Truck – Truck	0	1	0	**1**
Totals		8	11	5	**26**

TABLE 9 2001-10 Crossover Median Crash Severity by Crash Vehicle Type

Crash Severity / Crossover Crash Vehicle Type		Property Damage Only	Personal Injury	Fatal	Totals
Multiple Vehicles Type	Passenger Car – Passenger Car	46	108	43	**197**
	Passenger Car – Motorcycle	0	1	0	**1**
	Passenger Car – Truck	26	85	33	**144**
	Truck – Truck	7	18	3	**28**
Totals		71	199	74	**370**

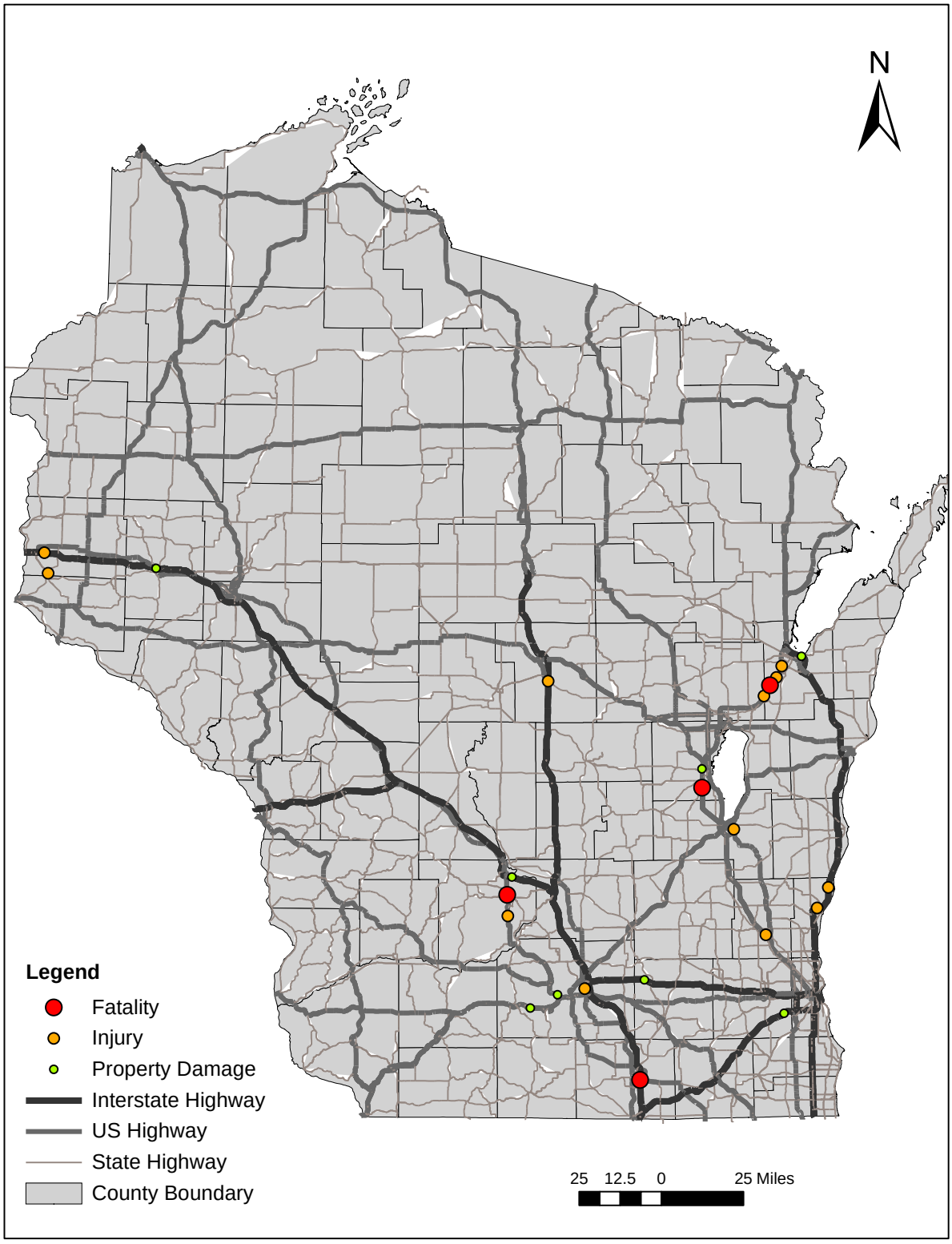

FIGURE 1. 2010 Multi-Vehicle Cross Median Crashes.

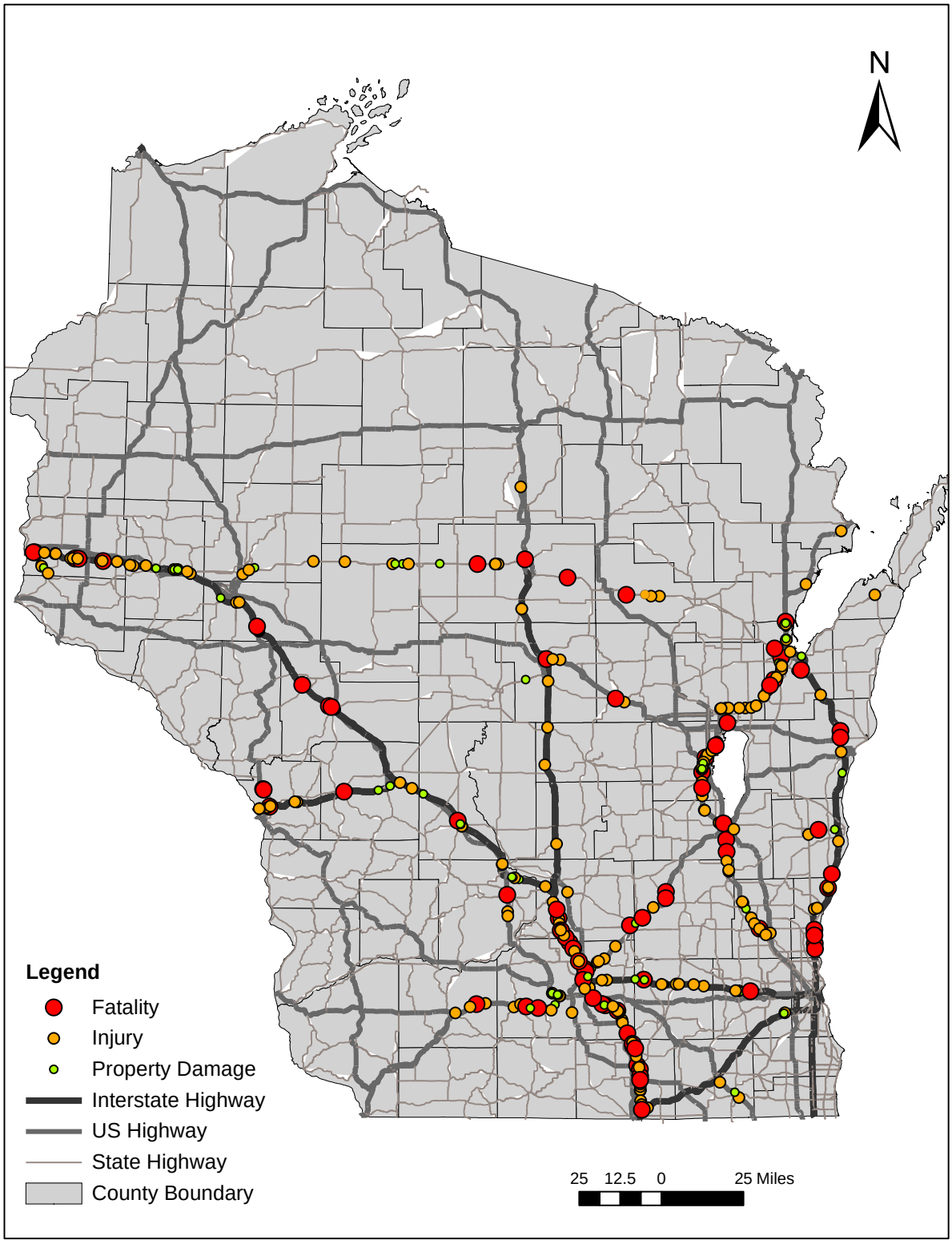

FIGURE 2. 2001 - 2010 Multi-Vehicle Cross Median Crashes.

2010 MULTI-VEHICLE CROSS MEDIAN CRASHES

ACCDNMBR	COUNTY	MUNICIPALITY	ONHWY	ONHWYDIR	ONHWYRP	RPDIS	RPNMBR	ATHWY	INTDIS	ACCDSVR	INJSVR	TOTFATL	TOTINJ	TOTVEH
100100792	ST. CROIX	RIVER FALLS	35	S	35	0.17	246K		2	INJ	B	0	1	2
100200203	FOND DU LAC	EMPIRE	151	N	151	0.23	154M		30	INJ	B	0	3	2
100203476	WINNEBAGO	OSHKOSH	41	S	41	0.21	094T	26	2	FAT	K	1	4	2
100204113	SAUK	SUMPTER	12	W	12	1.13	294M		100	INJ	A	0	2	2
100204927	DUNN	MENOMONIE	94	W	94	0.42	041M		50	PD		0	0	2
100206609	OZAUKEE	BELGIUM	43	N	43	0.1	102D		40	INJ	C	0	2	2
100207229	WASHINGTON	POLK	41					K	60	FAT	K	1	3	2
100302515	DANE	MADISON	12	W	12	0.02	340		2	PD		0	0	3
100303101	DANE	SPRINGDALE	18	W	18	0.32	137M		10	PD		0	0	2
100304601	DANE	MADISON	51	S	51	0.09	63		9	INJ	A	0	2	2
100401288	JEFFERSON	LAKE MILLS	94	E	94	0.13	257D		10	PD		0	0	2
100504985	JUNEAU	LEMONWEIR	90						4	INJ	B	0	2	2
100509506	WINNEBAGO	OSHKOSH	41	N	41	0.02	101D	21	2	PD		0	0	3
100604327	ST. CROIX	HUDSON	94	W	94	0.04	006D		1	INJ	B	0	2	3
100700132	SAUK	DELTON	90	E	90	1.66	092M	A	40	PD		0	0	2
100701472	BROWN	LAWRENCE	41	S	41	0.19	151		19	INJ	A	0	2	2
100702295	OUTAGAMIE	KAUKAUNA	41	S	41	0.05	143M	U	5	INJ	A	0	4	2
100808037	BROWN	GREEN BAY	43	S	43	0.47	189M		9	PD		0	0	2
100808068	WASHINGTON	POLK	41	S	41	1.26	036M		20	INJ	C	0	3	2
100808782	OZAUKEE	BELGIUM	43	N	43	0	110K	D	0	INJ	B	0	2	2
100900680	SAUK	WEST BARABOO	12	E	12	0.71	283K		10	FAT	K	1	1	3
101004023	ROCK	LA PRAIRIE	39	N	39	0.12	217	0	6	FAT	K	1	1	2
101011526	BROWN	LAWRENCE	41	S	41	0.1	147M		10	FAT	K	1	4	2
101111565	PORTAGE	PLOVER	39	S	39	0.05	347	54	20	INJ	A	0	2	2
101200819	BROWN	ASHWAUBENON	41	N	41	0.07	155M	172	30	INJ	C	0	1	2
101210957	WAUKESHA	NEW BERLIN	43	N	43	0.99	059D	O	30	PD		0	0	2