

2024 TRAFFIC SIGNAL PRIORITY LIST

In accordance with criteria adopted by the transportation commission and common council

Location	Aldermanic District	Overall % Above Warrant	WARRANT 1-A				WARRANT 1-B				2024 Correctable CRASHES			Pedestrian Warrant 4	Peak Hour Warrant 3	Peak Hour Warrant 3	4 Hour Warrant 2	Comments	SHARED JURISDICTION	
			Major Street		Minor Street		Major Street		Minor Street		# With Property Damage Only	# With Personal Injuries	Crash Rate (MEV)							
			# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met										
Intersections Studied Which MEET the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B.																				
1	West Washington & SW Commuter Path	D-4	413	-	-	-	-	-	-	-	-	0	3	0.49	413%	-	-	-	C, G	-
2	Packers Avenue & Wheeler (CV)	D-18	30	15	198	11	119	13	130	8	245	0	0	0	-	-78%	Y	Y-6 HRS	C, D, F	COUNTY
3	Milwaukee Street - Sprecher Road	D-3, 16	20	13	123	10	120	8	103	14	240	2	0	0.30	-	-54%	Y	Y-4 HRS	D, F	-
4	Henry Mall & University Avenue & Campus Drive	D-5, 8	6	-	-	-	-	-	-	-	-	0	0	0.00	6%	N/A	N/A	N/A	D, E	COUNTY
All Way Stop Controlled Intersections Studied but DO NOT MEET the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B.																				
1	Swanton & Thompson	D-3	-22	2	78	8	153	0	52	8	307	0	0	0.00	-	-	Y	Y-4 HRS	C	-
2	American Pkwy, Hoepker & Rattman	D-17	-22	6	94	5	84	0	62	8	167	2	1	0.49	-	-	N	N-1 HRS	F	SUN PRAIRIE
3	Agriculture & Femrite	D-16	-27	7	106	2	73	0	64	8	162	1	0	0.17	-	-69%	N	N-0 HRS	-	-
4	High Point & Midtown	D-1,20	-30	3	70	8	111	0	47	8	223	0	0	0.00	-	-	Y	Y-6 HRS	B, C, D	-
5	Old Middleton & Old Sauk	D-19	-36	12	115	0	44	3	77	4	87	0	0	0.00	-	-	N	N-0 HRS	B, C, F	-
6	Commercial & North	D-12	-41	0	59	5	113	0	33	8	239	1	0	0.34	-	-	N	N-0 HRS	D	-
7	Buckeye (AB) & Vondron	D-16	-50	5	70	3	70	0	50	7	124	1	0	0.27	-	-	N	N-0 HRS	-	COUNTY
8	Struck St. & Watts Rd.	D-19	-54	1	56	4	90	0	35	8	217	0	0	0.00	-	-	N	N-0 HRS	D	-
9	Cross Country Rd - Maple Grove Dr - Nesbitt Rd	D-7	-55	4	66	7	79	0	44	8	157	0	0	0.00	-	-	N	N-3 HRS	-	-
10	Bedford & Main	D-4	-69	0	57	0	55	0	31	5	127	1	0	0.48	-	-	N	N-0 HRS	-	-
11	MLK Jr. & Wilson	D-4	-76	4	69	0	39	0	46	4	78	0	0	0.00	-	-	N	N-0 HRS	-	-
12	Commercial & Nakoosa	D-3	-78	0	33	0	55	0	22	7	110	0	0	0.00	-	-	N	N-0 HRS	-	-
Side Street Stop Controlled Intersections Studied but DO NOT MEET the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B.																				
1	Junction & Driveway at Target	D-9	-1	13	209	0	50	12	139	7	99	0	0	0.00	-	-84%	N	N-3 HRS	D E	-
2	Packers & Sixth	D-12	-2	19	353	0	50	17	235	7	98	1	0	0.80	-99%	-88%	N	Y-6 HRS	B, C, D	WISDOT
3	Carroll & Gorham	D-2, 4	-3	16	178	0	51	11	162	8	97	0	1	0.12	-	-	N	N-0 HRS	E F	-
4	Cottage Grove (CTH BB) & Thompson	D-3, 16	-16	13	154	0	44	6	92	3	92	0	0	0.00	-	-	N	N-3 HRS	F	COUNTY
5	Fordem & Sherman	D-12	-18	10	135	4	82	1	73	8	194	0	0	0.00	-	-	Y	Y-5 HRS	A C E	-
6	Broadway & Collins & Dutch Mill	D-16	-21	13	191	0	40	11	127	1	79	0	1	0.15	-	-61%	N	N-0 HRS	A, C, D, F	-
7	Dickinson & Williamson	D-6	-25	13	123	0	40	9	94	0	81	0	0	0.00	-	-	N	N-0 HRS	A, D, E	-
8	Butler & Gorham	D-2	-25	14	106	0	48	11	112	1	95	0	0	0.00	-	-	N	N-1 HRS	B	-
9	Franklin & Johnson	D-2	-25	15	321	0	29	12	214	0	75	0	0	0.00	-	-	N	N-0 HRS	E	-
10	Gammon & McKenna & New Washburn	D-20	-26	17	260	0	34	16	173	3	74	0	0	0.00	-	-82%	N	N-0 HRS	C, D, E, F	-
11	Old Middleton & Rosa	D-11, 19	-31	11	107	0	51	3	69	4	112	0	0	0.00	-	-	N	N-2 HRS	C, F	-
12	Schroeder & Struck	D19, 20	-33	12	123	3	61	7	119	6	67	0	0	0.00	-	-	N	N-0 HRS	D	-
13	Edgewood & Monroe	D-13	-36	13	169	0	35	7	91	6	73	0	0	0.00	-57%	-74%	N	N-0 HRS	B, C, E, F	-
14	Cottage Grove & Ellen	D-3, 16	-38	14	164	0	31	10	109	1	62	0	0	0.00	-	-	N	Y-4 HRS	D E	COUNTY
15	Bedford & North Shore	D-4	-38	15	173	0	31	12	115	1	62	1	0	0.11	-	-	N	N-0 HRS	D E	WISDOT
16	Gammon Road & Temvo Lane & Vel Phillips HS	D-9, 19	-39	14	166	0	33	10	69	2	92	0	0	0.00	-62%	-66%	N	N-0 HRS	C, D	-
17	Mesta & Thompson	D-9, 19	-40	10	105	0	33	5	84	0	76	0	0	0.00	-	-	N	N-0 HRS	F	-
18	Doty & Pickney	D-4	-43	12	142	0	32	6	80	1	77	0	0	0.00	-	-	N	N-0 HRS	-	-
19	High Crossing Blvd & Cross Hill	D-17	-43	13	163	0	29	9	116	1	57	0	0	0.00	-	-84%	N	N-0 HRS	A, B, C, D, E	-
20	Atwood, Miller & Waubesa	D-15	-44	16	241	0	28	12	161	0	56	1	0	0.09	-	-	N	N-0 HRS	A E	-
21	Elderberry & Junction	D-9	-45	13	228	0	31	12	81	3	74	0	0	0.00	-	-	N	N-0 HRS	D	-
22	Cedar Street & Fish Hatchery	D-13	-47	15	186	0	27	13	127	0	53	0	0	0.00	-	-	N	N-0 HRS	A E F	COUNTY
23	Blackhawk, Erdman & University (CTH MS)	D-5	-47	18	710	0	26	17	473	0	53	0	0	0.00	-89%	-	N	N-0 HRS	C, D, E, F	COUNTY, SHOREWOOD HILLS
24	East Washington Ave & Lexington Ave	D-12, 15	-47	18	417	0	27	17	278	0	53	0	1	0.08	0%	-	N	N-0 HRS	D, E	WISDOT
25	Odana & Medical Circle	D-19	-48	14	220	0	26	11	147	0	52	0	0	0.00	-	-	N	N-0 HRS	D	-
26	McKenna & Morraine View	D-20	-48	15	186	0	26	12	124	0	52	0	0	0.00	-	-	N	N-0 HRS	-	-
27	Lien & Thierer	D-17	-49	2	82	2	69	0	49	8	162	0	0	0.00	-	-	N	N-0 HRS	-	-
28	Dickinson & East Washington	D-6	-50	19	601	0	25	17	400	0	50	0	1	0.05	-	-	Y	N-2 HRS	A E	WISDOT
29	South High Point - Stratton Way	D-7	-50	7	84	3	55	5	50	8	130	0	0	0.00	-	-	N	N-0 HRS	D, E	-
30	Gammon, Longmeadow & Stonefield	D-19	-51	12	165	0	29	2	115	0	49	0	1	0.22	-	-	N	N-0 HRS	D E	-
31	Milwaukee & Waubesa	D-15	-52	6	91	0	41	0	54	5	94	0	0	0.00	-	-	N	N-0 HRS	-	-
32	Packers & Schlimgen	D-12	-53	20	409	0	24	19	273	1	47	0	0	0.00	-	-90%	N	N-0 HRS	D, E, F	WISDOT
33	Broom & Dayton	D-4	-53	7	92	0	41	0	59	2	88	1	1	0.51	-	-	N	N-0 HRS	D, E, F	-
34	Milwaukee & Schenk	D-15	-53	14	170	0	24	11	113	4	47	0	0	0.00	-	-	N	N-1 HRS	E	-
35	Carroll & Doty	D-4	-53	12	135	0	25	5	102	3	47	0	0	0.00	-	-	Y	N-3 HRS	E	-
36	Sherman & Trailsway	D-12	-53	11	151	0	31	3	82	0	65	0	0	0.00	-	-	N	N-0 HRS	-	-
37	Milwaukee & Thompson	D-3	-56	4	72	4	57	0	49	6	95	1	0	0.39	-98%	-82%	N	N-0 HRS	C, D	-
38	Milwaukee - Walbridge	D-3	-56	13	139	0	23	7	139	0	44	0	0	0.00	-	-69%	N	N-3 HRS	A, B, C, D, E	-
39	Carroll & Dayton	D-4	-56	5	95	0	39	0	90	4	54	0	0	0.00	-	-	N	N-0 HRS	E F	-
40	Milwaukee-Wittwer	D-3	-57	14	183	0	22	9	122	2	43	0	0	0.00	-	-95%	N	N-0 HRS	D	-
41	Marquette & Milwaukee	D-6	-57	13	162	0	23	7	123	0	41	0	0	0.00	-	-	N	N-0 HRS	F	-
42	Milwaukee & Oak	D-15	-59	6	91	0	41	0	60	0	81	0	0	0.00	-	-76%	N	N-0 HRS	F	-
43	Cottage Grove (CTH BB) & Maher	D-15	-59	13	163	0	21	6	108	0	41	0	0	0.00	-	-	N	N-0 HRS	D, E	COUNTY
44	East Washington Ave & Second Street	D-6, 12	-60	19	278	0	20	17	185	0	40	0	0	0.00	-	-	N	N-0 HRS	D, E	WISDOT
45	Hill Drive & Whitney Way	D-11	-60	13	231	0	20	12	154	0	40	0	0	0.00	-	-	N	N-0 HRS	C, D, E	-

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				Major Street		Minor Street		Major Street		Minor Street		# With Property Damage Only	# With Personal Injuries	Crash Rate (MEV)							
				# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met										
46	Cottage Grove Road & Meadowlark Dr	D-3, 16	-61	14	192	0	19	13	128	0	39	0	0	0.00	-	-84%	N	N-0 HRS	C, D	COUNTY	
47	Main & Proudfit	D-4, 13	-61	15	174	0	19	12	116	0	39	0	0	0.00	-90%	-	N	N-0 HRS	A, D, E, F	WISDOT	
48	Knickerbocker & Monroe	D-13	-61	14	289	0	19	12	192	0	39	0	0	0.00	-	-	N	N-0 HRS	A, D, E	-	
49	Odana Lane & Odana Rd	D-11	-61	14	149	0	20	11	99	0	40	0	0	0.00	-	-	N	N-0 HRS	A, C, D, E	-	
50	Packers Ave. & Tennyson Ln.	D-18	-61	14	162	0	19	11	108	0	39	0	0	0.00	-	-	N	N-0 HRS	D, E, F	COUNTY	
51	Monona (CTH BB), Panther & Tompkins	D-15	-62	15	294	0	21	14	175	0	38	0	0	0.00	-	-	N	N-0 HRS	A, B, E, F	COUNTY, MONONA	
52	Atwood - Sugar - Oakridge	D-15	-63	14	151	0	19	12	101	0	37	0	0	0.00	-	-95%	N	N-0 HRS	-	-	
53	Knutson-Northport	D-18	-64	13	197	0	18	13	131	0	36	0	0	0.00	-	-	N	N-0 HRS	E, F	WISDOT	
54	Few & Williamson	D-6	-64	15	181	0	20	10	89	0	47	0	0	0.00	-	-	N	N-0 HRS	A, E	-	
55	East Park Blvd & East Terrace Dr	D-17	-64	4	54	3	69	0	36	6	137	0	0	0.00	-	-	N	N-0 HRS	D, F	-	
56	Marsh & Siggelkow	D-16	-64	3	67	2	43	0	40	6	96	0	0	0.00	-	-	N	N-1 HRS	D	McFARLAND	
57	Gorham & Livingston	D-6	-64	14	158	0	18	12	93	0	43	0	0	0.00	-	-	N	N-0 HRS	D, E	-	
58	Carver & Fish Hatchery (CTH D)	D-13, 14	-65	17	270	0	18	14	180	0	35	0	0	0.00	-	-88%	N	N-0 HRS	D	COUNTY	
59	Raymond Rd & S. Gammon Rd	D-7, 20	-65	2	55	2	74	0	35	8	167	2	0	0.91	-	-	N	N-1 HRS	A, B, C, D, E	-	
60	Odana & West Platte	D-19	-68	14	214	0	16	11	142	0	32	0	0	0.00	-	-	N	N-0 HRS	A, B, D, E, F	-	
61	Fairchild & Mifflin	D-4	-68	7	98	0	34	0	65	3	67	0	0	0.00	-	-	N	N-0 HRS	-	-	
62	Big Sky, Mineral Point & Tree	D-9	-68	16	400	0	16	16	267	0	32	0	0	0.00	-	-	N	N-0 HRS	A, C, E, F	COUNTY	
63	Vel Phillips Memorial HS Driveway & Mineral Point Road	D-19	-69	16	224	0	16	15	149	1	31	0	1	0.09	-	-95%	N	N-4HRS	C, D, E, F	COUNTY	
64	Gorham & Henry	D-2, 4	-69	16	229	0	16	15	153	0	31	2	0	0.27	-	-	N	N-0 HRS	E	-	
65	Cottage Grove (CTH BB) & Mc Lean	D-3, 16	-69	11	109	0	29	5	73	0	58	1	0	0.20	-	-	N	N-0 HRS	D, E, H	COUNTY	
66	Raymond Rd & Muir Field	D-7, 20	-71	2	55	2	59	0	29	6	144	1	0	0.34	-	-	N	N-1 HRS	A, B, C, D, E	-	
67	Raymond - South High Point	D-7	-71	0	43	3	68	0	29	7	136	0	0	0.00	-	-	N	N-2 HRS	C, D, F	-	
68	Badger & Cypress	D-14	-72	1	90	0	33	0	49	3	79	0	0	0.00	-	-	N	N-0 HRS	-	-	
69	Mandrake & Northport	D-18	-73	16	204	0	14	15	136	0	27	1	0	0.09	-	-	N	N-0 HRS	-	WISDOT	
70	Gilbert & Whitney	D-10, 20	-73	16	192	0	13	12	128	0	27	0	0	0.00	-	-	N	N-0 HRS	A, D, E, F	-	
71	Fish Hatchery Road (CTH D) & Martin Street	D-14	-73	15	183	0	13	13	122	0	27	0	0	0.00	-64%	-	N	N-0 HRS	C, D, E	County	
72	American Parkway & Tancho	D-17	-76	6	96	0	28	1	55	1	69	1	0	0.16	-	-	N	N-0 HRS	D, E, F	-	
73	Gammon, Ponwood & Sawmill	D-19	-77	13	137	0	16	7	91	0	32	0	1	0.20	-	-	N	N-0 HRS	-	-	
74	Aberg & Huxley	D-12	-78	9	107	0	22	1	79	2	40	0	0	0.00	-	-	N	N-0 HRS	F	-	
75	Packers & Scott	D-18	-79	9	116	0	21	2	77	0	43	0	0	0.00	-	-	N	N-0 HRS	B, C, D, E	COUNTY	
76	Kelab & Segoe	D-11	-79	8	99	0	22	0	66	0	44	1	0	0.30	-	-	N	N-0 HRS	E, F	-	
77	Eau Claire & Old Middleton	D-11, 19	-79	13	122	0	16	6	80	0	41	0	0	0.00	-	-	N	N-0 HRS	-	-	
78	Blue Ridge & Old Sauk	D-19	-80	9	161	0	20	2	70	0	42	0	0	0.00	-	-	N	N-0 HRS	-	-	
79	East Pass, Maple Grove & Westin	D-7	-82	4	80	0	33	2	53	2	65	1	0	0.34	-	-	N	N-0 HRS	-	-	
80	McKenna & Pilgrim	D-20	-82	6	82	0	36	2	64	1	49	0	0	0.00	-	-	N	N-0 HRS	-	-	
81	Gammon & Farmington Way	D-9, 19	-82	14	220	0	11	10	122	0	18	0	0	0.00	-	-	N	N-0 HRS	-	-	
82	Forward & Schroeder	D-19, 20	-83	3	105	0	17	0	53	1	64	0	0	0.00	-	-	N	N-0 HRS	B, C, D	-	
83	Mineral Point Road (CTH S) & Owens	D-5, 11	-83	13	168	0	15	5	87	0	30	0	0	0.00	-	-	N	N-0 HRS	A, B, E	COUNTY	
84	Johnson & Sixth	D-12	-83	0	75	0	34	0	51	0	66	1	2	1.10	-	-	N	N-0 HRS	-	-	
85	Commercial (CTH T) & Mesta	D-3, 17	-83	5	88	0	29	0	59	0	57	0	0	0.00	-	-	N	N-0 HRS	-	COUNTY	
86	Hancock St & Johnson ST	D-2	-84	15	0	0	0	13	97	0	13	0	0	0.00	-	-	N	N-0 HRS	-	-	
87	Milwaukee & Swanton	D-3	-85	10	108	0	15	2	72	0	31	0	0	0.00	-	-	N	N-0 HRS	A, E, F	-	
88	Hammersley & McKenna	D-20	-85	11	153	0	7	8	102	0	15	0	0	0.00	-	-80%	N	N-0 HRS	F	-	
89	New Washburn & South High Point	D-1, 20	-86	12	117	0	14	6	90	0	20	0	0	0.00	-	-	N	N-0 HRS	D, E	-	
90	Roth & Sherman	D-12	-86	14	121	0	7	11	107	0	14	1	0	0.17	-	-	N	N-0 HRS	F	-	
91	Cottage Grove (CTH BB) & McClellan	D-3, 16	-88	6	94	0	18	2	65	0	29	0	0	0.00	-	-	N	N-0 HRS	-	COUNTY	
92	Regent (CTH S) & Roby	D-5	-88	13	190	0	7	8	106	0	12	0	0	0.00	-	-	N	N-0 HRS	-	COUNTY	
93	Darwin Rd. & International Ln	D-12, 18	-92	0	43	0	38	0	19	1	89	0	0	0.00	-	-	N	N-0 HRS	C, D	-	
94	Marcy Road & Troy Drive	D-18	-92	4	93	0	15	0	62	0	29	0	0	0.00	-	-	N	N-0 HRS	B, C, D	-	
95	Mineral Point (CTH S) - Westmoreland	D-5, 11	-93	12	125	0	7	5	83	0	14	0	0	0.00	-	-	N	N-0 HRS	C, D, E	COUNTY	
96	Bear Claw & Old Sauk Rd	D-9	-95	0	71	0	29	0	57	0	48	0	0	0.00	-	-	N	N-0 HRS	C, D	-	
97	Corporate Dr & Blettner	D-15	-95	3	68	0	30	0	45	3	60	0	0	0.00	-	-	N	N-0 HRS	-	-	
98	Odana & Segoe	D-11	-95	12	103	0	5	5	83	0	16	0	0	0.00	-	-	N	N-0 HRS	-	-	
99	Buckeye (CTH AB) & Thompson	D-16	-104	3	72	0	24	0	48	2	47	0	0	0.00	-	-	N	N-0 HRS	-	COUNTY	
100	Midtown Rd. & Red Tail Dr. & Woods Rd.	D-1	-105	0	35	1	31	0	24	2	71	0	0	0.00	-	-	N	N-0 HRS	D	-	
101	Gilman & Wisconsin	D-2	-110	0	44	0	31	0	29	2	61	2	0	1.10	-	-	N	N-0 HRS	C, D, E	-	
102	Hoepker Rd & Manufacturers	D-17	-116	3	61	0	21	0	41	1	43	0	0	0.00	-	-	N	N-0 HRS	D	-	
103	Hickory & Olin	D-13	-121	0	70	0	9	0	47	0	17	0	0	0.00	-	-	N	N-0 HRS	C, D	-	
104	Marston & Sherman	D-6	-122	3	67	0	11	0	41	0	25	0	0	0.00	-	-	N	N-0 HRS	-	-	
105	Jeffy & Midtown	D-1	-127	1	59	0	15	0	49	0	29	0	0	0.00	-	-	N	N-0 HRS	-	-	
106	Midtown, Hawks Landing & Hawks Ridge	D-1	-129	0	47	0	20	0	29	0	42	0	0	0.00	-	-	N	N-0 HRS	-	-	
107	Mayfield & Sherman	D-18	-132	1	64	0	4	0	40	0	13	0	0	0.00	-	-	N	N-0 HRS	-	-	
108	Sharpsburg & Sprecher & Wyalusing	D-3, 16	-	-	-	-	-	-	-	-	-	0	0	0.00	-	-	-	-	D	-	
109	Cedar & Park Street (STH 151)	D-13	-	-	-	-	-	-	-	-	-	0	1	0.13	-85%	-87%	-	-	D, E	WISDOT	

Warrant 1-A: Eight-Hour Vehicular Volume: Condition A-Minimum Vehicular Volume
Warrant 1-B: Eight0Hour Vehicular Volume: Condition B-Interruption of Continuous Traffic
Y=Yes N=No
Crash Rate: Number of accidents "preventable" with traffic signals per million entering vehicles.
Peak Hour Warrant A: Total vehicle hours of delay is listed for intersections where delay data was collected.
4-Hour Warrant: Number of hours shown are those that exceed the volume thresholds.

The intersections that do not meet the minimum numerical Warrant are listed in order of "closeness" to meeting either Warrant 1-A or Warrant 1-B.
Both the Major and Minor street volumes must meet 100% of the minimum Warrant in order to be classified as "meeting the minimum numerical Warrant."
Highlighted rows indicate locations requested during the year of the report title.

Key to Comments:

- A = Signal coordination problems
- B = Geometric problems
- C = Intersection reconstruction needs to be considered.
- D = Part of cost could be assessed to benefitting property owners.
- E = Coordination with adjacent signals is necessary.
- F = "Side Street" volumes adjusted for high right-turn percentage.
- G = Railroad Interconnect Required