

2023 TRAFFIC SIGNAL PRIORITY LIST (WORKING)

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

Location	Overall % Above Warrant	WARRANT 1-A				WARRANT 1-B				2022 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)	% Met							% Met
		# 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	Packers Avenue & Wheeler (CV) (D-18)	30	15	198	11	119	13	130	8	245	0	0	0	-	22%	Y	Y-6 HRS	C, D, F	COUNTY	
2	Milwaukee-Sprecher (D-3, 16)	7	13	160	14	114	9	107	8	237	1	0	0.16	-	31%	Y	N-2 HRS	D, F	-	
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	Agriculture & Femrite (D-16)	-27	7	106	2	73	0	64	8	162	1	0	0.17	-	31%	N	N-0 HRS	-	-	
3	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	-	
4	American Pkwy, Hoepker & Rattman (D-17)	-34	2	66	8	100	0	44	8	200	1	1	0.37	-	-	N	N-1 HRS	F	SUN PRAIRIE	
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	0	0	0.00	-	-	N	N-0 HRS	D	-	
7	Buckeye (AB) & Vondron (D-16)	-50	5	70	3	70	0	50	7	124	0	1	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	1	0	0.21	-	-	N	N-3 HRS	-	-	
10	Bedford & Main (D-4)	-69	0	57	0	55	0	31	5	127	0	0	0.00	-	-	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	1	1	0.32	-	16%	N	N-3 HRS	D E	-	
2	Packers & Sixth (D-12)	-2	19	353	0	50	17	235	7	98	0	0	0.00	1%	12%	N	Y-6 HRS	B, C, D	WISDOT	
3	Carroll & Gorham (D-2)	-3	16	178	0	51	11	162	8	97	1	0	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	0	0.00	-	39%	N	N-0 HRS	A, C, D, F	-	
7	Old Middleton & Rosa (D-11, 19)	-21	11	101	0	44	4	117	3	79	0	0	0.00	-	-	N	N-2 HRS	C, F	-	
8	Dickinson & Williamson (D-6)	-25	13	123	0	40	9	94	0	81	0	0	0.00	-	-	N	N-0 HRS	A, D, E	-	
9	Butler & Gorham (D-2)	-25	14	106	0	48	11	112	1	95	0	0	0.00	-	-	N	N-1 HRS	B	-	
10	Franklin & Johnson (D-2)	-25	15	321	0	29	12	214	0	75	0	0	0.00	-	-	N	N-0 HRS	E	-	
11	Gammon & McKenna & New Washburn (D-20)	-26	17	260	0	34	16	173	3	74	0	0	0.00	-	18%	N	N-0 HRS	C, D, E, F	-	
12	Schroeder & Struck (D-19, 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	1	0.16	43%	26%	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	-	34%	N	N-0 HRS	C, D	-	
17	Mesta & Thompson (D-17)	-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	2	0	0.34	-	16%	N	N-0 HRS	A, B, C, D, E	-	
20	Atwood, Miller & Waubesa (D-15)	-44	16	241	0	28	12	161	0	56	0	0	0.00	-	-	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	Appleton & 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	11%	-	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	0	0.00	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 & Morrairie View (D-20)	-48	15	186	0	26	12	124	0	52	1	0	0.13	-	-	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	Milwaukee & Thompson (D-3)	-50	9	90	5	59	3	50	8	143	1	1	0.77	2%	18%	N	N-0 HRS	C, D	-	
29	Dickinson & East Washington (D-6)	-50	19	601	0	25	17	400	0	50	3	1	0.20	-	-	Y	N-2 HRS	A E	WISDOT	
30	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	-	
31	Gammon, Longmeadow & Stonefield (D-19)	-51	12	165	0	29	2	115	0	49	0	0	0.00	-	-	N	N-0 HRS	D E	-	
32	Milwaukee & Waubesa (D-15)	-52	6	91	0	41	0	54	5	94	1	0	0.44	-	-	N	N-0 HRS	-	-	
33	Packers & Schlimgen (D-12)	-53	20	409	0	24	19	273	1	47	2	0	0.12	-	10%	N	N-0 HRS	D, E, F	WISDOT	
34	Broom & Dayton (D-4)	-53	7	92	0	41	0	59	2	88	2	0	0.51	-	-	N	N-0 HRS	D, E, F	-	
35	Milwaukee & Schenk (D-15)	-53	14	170	0	24	11	113	4	47	0	0	0.00	-	-	N	N-1 HRS	E	-	
36	Carroll & Doty (D-4)	-53	12	135	0	25	5	102	3	47	0	0	0.00	-	-	Y	N-3 HRS	E	-	
37	Sherman & Trailsway (D-12)	-53	11	151	0	31	3	82	0	65	0	0	0.00	-	-	N	N-0 HRS	-	-	
38	Milwaukee - Walbridge (D-3)	-56	13	139	0	23	7	139	0	44	1	0	0.15	-	31%	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	-	5%	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	-	24%	N	N-0 HRS	F	-	
43	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	
44	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	-	
45	Cottage Grove Road & Meadowlark Dr (D-3,16)	-61	14	192	0	19	13	128	0	39	0	0	0.00	-	16%	N	N-0 HRS	-	COUNTY	
46	Main & Proudfit (D-4, 13)	-61	15	174	0	19	12	116	0	39	0	0	0.00	10%	-	N	N-0 HRS	A, D, E, F	WISDOT	
47	Knickerbocker & Monroe (D-13)	-61	14	289	0	19	12	192	0	39	0	0	0.00	-	-	N	N-0 HRS	A D E	-	
48	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	-	
49	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	
50	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	
51	Atwood - Sugar - Oakridge (D-15)	-63	14	151	0	19	12	101	0	37	0	0	0.00	-	5%	N	N-0 HRS	-	-	

	Location	Overall % Above Warrant	WARRANT 1-A				WARRANT 1-B				2022 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)	Pedestrian Warrant 4							Peak Hour Warrant 3	Peak Hour Warrant 3	4 Hour Warrant 2
			# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met													
52	Knutson-Northport (D-18)	-64	13	197	0	18	13	131	0	36	0	0	0.00	-	-	N	N-0 HRS	E F	WISDOT				
53	Few & Williamson (D-6)	-64	15	181	0	20	10	89	0	47	0	0	0.00	-	-	N	N-0 HRS	A E	-				
54	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	-				
55	Marsh & Siggelkow (D-16)	-64	3	67	2	43	0	40	6	96	0	0	0.00	-	-	N	N-1 HRS	D	McFARLAND				
56	Gorham & Livingston (D-6)	-64	14	158	0	18	12	93	0	43	0	0	0.00	-	-	N	N-0 HRS	D, E	-				
57	Carver & Fish Hatchery (CTH D) (D-13, 14)	-65	17	270	0	18	14	180	0	35	0	0	0.00	-	12%	N	N-0 HRS	D	COUNTY				
58	Raymond Rd & S. Gammon Rd (D-7, 20)	-65	2	55	2	74	0	35	8	167	1	0	0.46	-	-	N	N-1 HRS	A, B, C, D, E	-				
59	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	-				
60	Fairchild & Mifflin (D-4)	-68	7	98	0	34	0	65	3	67	0	0	0.00	-	-	N	N-0 HRS	-	-				
61	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				
62	Vel Phillips Memorial HS Driveway & Mineral Point Road (D-19)	-69	16	224	0	16	15	149	1	31	0	1	0.16	-	5%	N	N-4HRS	C, D, E, F	COUNTY				
63	Gorham & Henry (D-2, 4)	-69	16	229	0	16	15	153	0	31	0	0	0.00	-	-	N	N-0 HRS	E	-				
64	Cottage Grove (CTH BB) & Mc Lean (D-3, 16)	-69	11	109	0	29	5	73	0	58	0	1	0.19	-	-	N	N-0 HRS	D, E, H	COUNTY				
65	Raymond Rd & Muir Field (D-7, D-20)	-71	2	55	2	59	0	29	6	144	0	0	0.00	-	-	N	N-1 HRS	A, B, C, D, E	-				
66	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	-				
67	Badger & Cypress (D-14)	-72	1	90	0	33	0	49	3	79	0	0	0.00	-	-	N	N-0 HRS	-	-				
68	Mandrake & Northport (D-18)	-73	16	204	0	14	15	136	0	27	0	0	0.00	-	-	N	N-0 HRS	-	WISDOT				
69	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	-				
70	American Parkway & Tancho (D-17)	-76	6	96	0	28	1	55	1	69	0	0	0.00	-	-	N	N-0 HRS	D E F	-				
71	Gammon, Ponwood & Sawmill (D-19)	-77	13	137	0	16	7	91	0	32	0	0	0.00	-	-	N	N-0 HRS	-	-				
72	Aberg & Huxley (D-12)	-78	9	107	0	22	1	79	2	40	0	0	0.00	-	-	N	N-0 HRS	F	-				
73	Cottage Grove (CTH BB) & Maher (D-15)	-78	14	110	0	13	7	126	0	22	0	1	0.18	-	-	N	N-0 HRS	D, E	COUNTY				
74	Packers & Scott (D-18)	-79	9	116	0	21	2	77	0	43	0	1	0.18	-	-	N	N-0 HRS	B, C, D, E	COUNTY				
75	Kelab & Segoe (D-11)	-79	8	99	0	22	0	66	0	44	0	0	0.00	-	-	N	N-0 HRS	E F	-				
76	Eau Claire & Old Middleton (D-11, 19)	-79	13	122	0	16	6	80	0	41	0	0	0.00	-	-	N	N-0 HRS	-	-				
77	Blue Ridge & Old Sauk (D-19)	-80	9	161	0	20	2	70	0	42	0	0	0.00	-	-	N	N-0 HRS	-	-				
78	East Pass, Maple Grove & Westin (D-7)	-82	4	80	0	33	2	53	2	65	0	0	0.00	-	-	N	N-0 HRS	-	-				
79	McKenna & Pilgrim (D-20)	-82	6	82	0	36	2	64	1	49	0	0	0.00	-	-	N	N-0 HRS	-	-				
80	Gammon & Farmington Way (D-9, 19)	-82	14	220	0	11	10	122	0	18	0	0	0.00	-	-	N	N-0 HRS	-	-				
81	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	-				
82	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				
83	Johnson & Sixth (D-12)	-83	0	75	0	34	0	51	0	66	0	2	0.72	-	-	N	N-0 HRS	-	-				
84	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				
85	Hancock St & Johnson St (D-2)	-84	15	0	0	0	13	97	0	13	1	0	0.10	-	-	N	N-0 HRS	-	-				
86	Milwaukee & Swanton (D-3)	-85	10	108	0	15	2	72	0	31	0	0	0.00	-	-	N	N-0 HRS	A E F	-				
87	Hammersley & McKenna (D-20)	-85	11	153	0	7	8	102	0	15	0	0	0.00	-	20%	N	N-0 HRS	F	-				
88	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	-				
89	Roth & Sherman (D-12)	-86	14	121	0	7	11	107	0	14	0	1	0.17	-	-	N	N-0 HRS	F	-				
90	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				
91	Regent (CTH S) & Roby (D-5)	-88	13	190	0	7	8	106	0	12	0	0	0.00	-	-	N	N-0 HRS	-	COUNTY				
92	Darwin Rd. & International Ln (D-12, d18)	-92	0	43	0	38	0	19	1	89	0	0	0.00	-	-	N	N-0 HRS	C, D	-				
93	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	-				
94	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				
95	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	-				
96	Corporate Dr & Blettner (D-15)	-95	3	68	0	30	0	45	3	60	0	0	0.00	-	-	N	N-0 HRS	-	-				
97	Odana & Segoe (D-11)	-95	12	103	0	5	5	83	0	16	0	0	0.00	-	-	N	N-0 HRS	-	-				
98	Buckeye (CTH AB) & Thompson (D-16)	-104	3	72	0	24	0	48	2	47	0	0	0.00	-	-	N	N-0 HRS	-	COUNTY				
99	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	-				
100	Gilman & Wisconsin (D-2)	-110	0	44	0	31	0	29	2	61	0	0	0.00	-	-	N	N-0 HRS	C, D, E	-				
101	Hoepker Rd & Manufacturers (D-17)	-116	3	61	0	21	0	41	1	43	0	0	0.00	-	-	N	N-0 HRS	D	-				
102	Hickory & Olin (D-13)	-121	0	70	0	9	0	47	0	17	0	0	0.00	-	-	N	N-0 HRS	C, D	-				
103	Marston & Sherman (D-6)	-122	3	67	0	11	0	41	0	25	0	0	0.00	-	-	N	N-0 HRS	-	-				
104	Jeffy & Midtown (D-1)	-127	1	59	0	15	0	49	0	29	0	0	0.00	-	-	N	N-0 HRS	-	-				
105	Midtown, Hawks Landing & Hawks Ridge (D-1)	-129	0	47	0	20	0	29	0	42	0	0	0.00	-	-	N	N-0 HRS	-	-				
106	Mayfield & Sherman (D-18)	-132	1	64	0	4	0	40	0	13	0	0	0.00	-	-	N	N-0 HRS	-	-				
107	Henry Mall & University Avenue & Campus Drive (D-5, 8)	-	-	-	-	-	-	-	-	0	1	0.09	36%	N/A	N/A	N/A	N/A	D, E	COUNTY				
108	Sharpsburg & Sprecher & Wyalusing (D-3, 16)	-	-	-	-	-	-	-	-	0	0	0.00	-	-	N/A	N/A	N/A	D	-				
109	Cedar & Park Street (STH 151) (D-X)	-	-	-	-	-	-	-	-	0	1	0.14	15%	13%	-	-	-	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.