

2022 TRAFFIC SIGNAL PRIORITY LIST (WORKING)

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

Location	Overall % Below Warrant	WARRANT 1-A				WARRANT 1-B				CRASHES			Pedestrian Warrant 4	Peak Hour Peak Hour Warrant 3	Peak Hour Warrant 3	4 Hour Warrant 2	Comments	
		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									
Side Street Stop Controlled Intersections Studied Which Meet the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B.													% Met	% Met				
Side Street Stop Controlled Intersections Studied but Do Not Meet the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B.													% Met	% Met				
1	Junction & Driveway at Target (D-9)	-1	13	209	0	50	12	139	7	99	0	0	0.00	-	16%	N	N-3 HRS	D E
2	Packers & Sixth (D-12)	-2	19	353	0	50	17	235	7+	98	0	1	0.08	1%	12%	N	Y-6 HRS	B, C, D
3	Carroll & Gorham (D-2, 4)	-3	16	178	0	51	11	162	8	97	1	0	0.49	-	-	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
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	0.15	-	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	2	0.48	-	-	N	N-0 HRS	A, D, E
9	Butler & Gorham (D-2)	-25	14	106	0	48	11	112	1	95	0	0	0.14	-	-	N	N-1 HRS	B
10	Gammon & McKenna & New Washburn (D-1)	-26	17	260	0	34	16	173	3+	74	0	0	0.25	-	18%	N	N-0 HRS	C, D, E, F
11	Schroeder & Struck (D-19, 20)	-33	6	117	2+	64	1	67	6+	157	0	0	0.00	-	-	N	N-2 HRS	D, F
12	Edgewood & Monroe (D-13)	-36	13	169	0	35	7	91	6+	73	0	0	0.00	43%	26%	N	N-0 HRS	B, C, E, F
13	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
14	Bedford & North Shore (D-4)	-38	15	173	0	31	12	115	1	62	1	0	0.12	-	-	N	N-0 HRS	D E
15	Mesta & Thompson (D-15, 17)	-40	10	105	0	33	5	84	0	76	0	0	0.61	-	-	N	N-0 HRS	F
16	Doty & Pickney (D-4)	-43	12	142	0	32	6	80	1	77	0	0	0.00	-	-	N	N-0 HRS	
17	High Crossing Blvd & Cross Hill (D-17)	-43	13	163	0	29	9	116	1	57	0	1	0.17	-	16%	N	N-0 HRS	A, B, C, D, E
18	Atwood, Miller & Waubesa (D-6)	-44	16	241	0	28	12	161	0	56	1	0	0.07	-	-	N	N-0 HRS	A E
19	Cedar St. & Fish Hatchery (D-13)	-47	15	186	0	27	13	127	0	53	0	1	0.32	-	-	N	N-0 HRS	A E F
20	Blackhawk, Erdman & University (CTH MS) (D-11)	-47	18	710	0	26	17	473	0	53	2	0	0.10	11%	-	N	N-0 HRS	C, D, E, F
21	East Washington Ave & Lexington Ave (D-12,15)	-47	18	417	0	27	17	278	0	53	0	0	0.15	0%	-	N	N-0 HRS	D, E
22	Odana & Medical Circle (D-19)	-48	14	220	0	26	11	147	0	52	0	1	0.38	-	-	N	N-0 HRS	D
23	McKenna & Morraine View (D-1)	-48	15	186	0	26	12	124	0	52	0	0	0.00	-	-	N	N-0 HRS	
24	Lien & Thierer (D-17)	-49	2	82	2	69	0	49	8+	162	0	0	0.00	-	-	N	N-0 HRS	
25	Milwaukee & Thompson (D-3)	-50	9	90	5+	59	3	50	8+	143	0	0	0.00	2%	18%	N	N-0 HRS	C, D
26	Dickinson & East Washington (D-2, 6)	-50	19	601	0	25	17	400	0	50	1	0	0.10	-	-	Y	N-2 HRS	A E
27	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
28	Gammon, Longmeadow & Stonefield (D-19)	-51	12	165	0	29	2	115	0	49	0	0	0.20	-	-	N	N-0 HRS	D E
29	Milwaukee & Waubesa (D-6)	-52	6	91	0	41	0	54	5	94	0	0	0.00	-	-	N	N-0 HRS	
30	Packers & Schlimgen (D-12)	-53	20	409	0	24	19	273	1+	47	0	1	0.06	-	10%	N	N-0 HRS	D, E, F

	Location	Overall % Below Warrant	WARRANT 1-A				WARRANT 1-B				CRASHES			Pedestrian Warrant 4	Peak Hour Peak Hour Warrant 3	Peak Hour Warrant 3	4 Hour Warrant 2	Comments
			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								
31	Broom & Dayton (D-4)	-53	7	92	0	41	0	59	2	88	0	0	0.25	-	-	N	N-0 HRS	D, E, F
32	Milwaukee & Schenk (D-15)	-53	14	170	0	24	11	113	4	47	0	0	0.00	-	-	N	N-1 HRS	E
33	Carroll & Doty (D-4)	-53	12	135	0	25	5	102	3	47	0	0	0.00	-	-	Y	N-3 HRS	E
34	Sherman & Trailsway (D-12)	-53	11	151	0	31	3	82	0	65	0	0	0.00	-	-	N	N-0 HRS	
35	Milwaukee - Walbridge (D-3, 15)	-56	13	139	0	23	7	139	0	44	0	1	0.44	-	31%	N	N-3 HRS	A, B, C, D, E
36	Carroll & Dayton (D-4)	-56	5	95	0	39	0	90	4+	54	0	0	0.00	-	-	N	N-0 HRS	E F
37	Milwaukee-Wittwer (D-3, 15)	-57	14	183	0	22	9	122	2	43	0	0	0.29	-	5%	N	N-0 HRS	D
38	Marquette & Milwaukee (D-6)	-57	13	162	0	23	7	123	0	41	1	0	0.22	-	-	N	N-0 HRS	F
39	Milwaukee & Oak (D-6)	-59	6	91	0	41	0	60	0	81	0	0	0.00	-	24%	N	N-0 HRS	F
40	Monona & Winnequah (D-15)	-59	14	194	0	21	12	129	0	41	0	1	0.30	-	-	N	N-0 HRS	C, D, E
41	East Washington Ave & Second Street (D-6,12)	-60	19	278	0	20	17	185	0	40	1	1	0.18	-	-	N	N-0 HRS	D, E
42	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
43	Main & Proudfit (D-4)	-61	15	174	0	19	12	116	0	39	1	0	0.19	10%	-	N	N-0 HRS	A, D, E, F
44	Knickerbocker & Monroe (D-13)	-61	14	289	0	19	12	192	0	39	0	0	0.00	-	-	N	N-0 HRS	A D E
45	Odana Lane & Odana Rd (D-10)	-61	14	149	0	20	11	99	0	40	0	0	0.00	-	-	N	N-0 HRS	A, C, D, E
46	Packers Ave. & Tennyson Ln. (D-12)	-61	14	162	0	19	11	108	0	39	0	0	0.00	-	-	N	N-0 HRS	D, E, F
47	Monona (CTH BB), Panther & Tompkins (D-16)	-62	15	294	0	21	14	175	0	38	0	0	0.00	-	-	N	N-0 HRS	A B E F
48	Atwood - Sugar - Oakridge (D-6)	-63	14	151	0	19	12	101	0	37	0	0	0.00	-	5%	N	N-0 HRS	
49	Knutson-Northport (D-18)	-64	13	197	0	18	13	131	0	36	0	0	0.00	-	-	N	N-0 HRS	E F
50	Few & Williamson (D-6)	-64	15	181	0	20	10	89	0	47	0	0	0.00	-	-	N	N-0 HRS	A E
51	East Park Blvd & East Terrace Dr (D-17)	-64	4	54	3	69	0	36	6+	137	0	0	0.27	-	-	N	N-0 HRS	D F
52	Carver & Fish Hatchery (CTH D) (D-14)	-65	17	270	0	18	14	180	0	35	1	0	0.08	-	12%	N	N-0 HRS	D
53	Raymond Rd & S. Gammon Rd (D-7)	-65	2	55	2	74	0	35	8+	167	0	0	0.28	-	-	N	N-1 HRS	A, B, C, D, E
54	Siggelkow Rd & Valley Drive & Freedom Ring Rd (D-16)	-65	13	93	3+	35	6	62	7+	69	0	0	0.23	-	-	N	N-1 HRS	C, D
55	Odana & West Platte (D-19)	-68	14	214	0	16	11	142	0	32	0	1	0.32	-	-	N	N-0 HRS	A B D E F
56	Fairchild & Mifflin (D-4)	-68	7	98	0	34	0	65	3	67	0	0	0.00	-	-	N	N-0 HRS	
57	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
58	James Madison Memorial HS Driveway & Mineral Point Road (D-19)	-69	16	224	0	16	15	149	1+	31	0	0	0.09	-	5%	N	N-4HRS	C, D, E, F
59	Gorham & Henry (D-2, 4)	-69	16	229	0	16	15	153	0	31	0	1	0.26	-	-	N	N-0 HRS	E
60	Cottage Grove (CTH BB) & Mc Lean (D-3, 16)	-69	11	109	0	29	5	73	0	58	0	0	0.00	-	-	N	N-0 HRS	D, E, H
61	Hoepker Rd & Manufacturers (D-17)	-69	13	99	0	29	3	52	6+	79	0	0	0.28	-	-	N	N-0 HRS	C, D
62	Raymond Rd & Muir Field (D-1, D-7)	-71	2	55	2	59	0	29	6+	144	0	0	0.28	-	-	N	N-1 HRS	A, B, C, D, E
63	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
64	Badger & Cypress (D-14)	-72	1	90	0	33	0	49	3+	79	0	0	0.29	-	-	N	N-0 HRS	
65	Mandrake & Northport (D-18)	-73	16	204	0	14	15	136	0	27	1	0	0.32	-	-	N	N-0 HRS	
66	Gilbert & Whitney (D-10, 20)	-73	16	192	0	13	12	128	0	27	0	0	0.18	-	-	N	N-0 HRS	A D E F
67	Franklin & Johnson (D-2)	-73	16	150	10	0	10	0	0	0	0	0	0.11	-	-	N	N-0 HRS	C, E
68	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
69	Gammon , Ponwood & Sawmill (D-19)	-77	13	137	0	16	7	91	0	32	0	0	0.00	-	-	N	N-0 HRS	
70	Aberg & Huxley (D-12)	-78	9	107	0	22	1	79	2	40	0	0	0.00	-	-	N	N-0 HRS	F
71	Cottage Grove & Maher (D-15)	-78	14	110	0	13	7	126	0	22	0	0	0.16	-	-	N	N-0 HRS	D, E
72	Packers & Scott (D-12)	-79	9	116	0	21	2	77	0	43	1	0	0.72	-	-	N	N-0 HRS	B, C, D, E
73	Kelab & Segoe (D-11)	-79	8	99	0	22	0	66	0	44	0	0	0.29	-	-	N	N-0 HRS	E F
74	Eau Claire & Old Middleton (D-11, 19)	-79	13	122	0	16	6	80	0	41	0	0	0.00	-	-	N	N-0 HRS	
75	Northport Drive & Warner Park Driveway (D-12, 18)	-79	18	283	0	11	16	186	0	21	0	0	0.23	-	-	N	N-0 HRS	C, D
76	Blue Ridge & Old Sauk (D-19)	-80	9	161	0	20	2	70	0	42	0	0	0.23	-	-	N	N-0 HRS	
77	East Pass, Maple Grove & Westin (D-7)	-82	4	80	0	33	2	53	2	65	0	0	0.00	-	-	N	N-0 HRS	
78	McKenna & Pilgrim (D-1, 20)	-82	6	82	0	36	2	64	1	49	0	0	0.00	-	-	N	N-0 HRS	
79	Gammon & Farmington Way (D-9, 19)	-82	14	220	0	11	10	122	0	18	0	0	0.00	-	-	N	N-0 HRS	
80	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

	Location	Overall % Below Warrant	WARRANT 1-A				WARRANT 1-B				CRASHES			Pedestrian Warrant 4	Peak Hour Warrant 3	Peak Hour Warrant 3	4 Hour Warrant 2	Comments
			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								
81	Mineral Point & Owens (D-11)	-83	13	168	0	15	5	87	0	30	0	0	0.17	-	-	N	N-0 HRS	A, B, E
82	Johnson & Sixth (D-12)	-83	0	75	0	34	0	51	0	66	3	0	1.20	-	-	N	N-0 HRS	
83	Commercial & Mesta (D-3, 15, 17)	-83	5	88	0	29	0	59	0	57	1	0	0.00	-	-	N	N-0 HRS	
84	Hancock & Johnson	-84	15	0	0	0	13	97	0	13	0	0	0.11	-	-	N	N-0 HRS	
85	Milwaukee & Swanton (D-3, 15)	-85	10	108	0	15	2	72	0	31	0	0	0.19	-	-	N	N-0 HRS	A E F
86	Hammersley & McKenna (D-1, 20)	-85	11	153	0	7	8	102	0	15	0	0	0.00	-	20%	N	N-0 HRS	F
87	New Washburn & South High Point (D-1)	-86	12	117	0	14	6	90	0	20	0	0	0.00	-	-	N	N-0 HRS	D, E
88	Roth & Sherman (D-12)	-86	14	121	0	7	11	107	0	14	0	0	0.00	-	-	N	N-0 HRS	F
89	Cottage Grove & McClellan (CTH BB) (D-3, 16)	-88	6	94	0	18	2	65	0	29	0	0	0.00	-	-	N	N-0 HRS	
90	Regent & Roby (D-5)	-88	13	190	0	7	8	106	0	12	0	0	0.00	-	-	N	N-0 HRS	
91	Darwin Rd. & International Ln (D-12)	-92	0	43	0	38	0	19	1	89	0	0	0.46	-	-	N	N-0 HRS	C, D
92	Marcy Road & Troy Drive (D-18)	-92	4	93	0	15	0	62	0	29	0	0	0.59	-	-	N	N-0 HRS	B, C, D
93	Mineral Point - Westmoreland (D-11)	-93	12	125	0	7	5	83	0	14	0	0	0.00	-	-	N	N-0 HRS	C, D, E
94	Bear Claw & Old Sauk Rd (D-9)	-95	0	71	0	29	0	57	0	48	1	0	0.36	-	-	N	N-0 HRS	C, D
95	Corporate Dr & Blettner (D-15)	-95	3	68	0	30	0	45	3	60	0	0	0.00	-	-	N	N-0 HRS	
96	Odana & Segoe (D-10)	-95	12	103	0	5	5	83	0	16	0	0	0.00	-	-	N	N-0 HRS	
97	Buckeye (CTH AB) & Thompson (D-16)	-104	3	72	0	24	0	48	2	47	1	0	0.31	-	-	N	N-0 HRS	
98	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
99	Gilman & Wisconsin (D-2)	-110	0	44	0	31	0	29	2	61	0	1	0.41	-	-	N	N-0 HRS	C, D, E
100	Hickory & Olin (D-13)	-121	0	70	0	9	0	47	0	17	0	0	0.00	-	-	N	N-0 HRS	C, D
101	Marston & Sherman (D-2)	-122	3	67	0	11	0	41	0	25	1	0	0.49	-	-	N	N-0 HRS	
102	Jeffy & Midtown (D-1)	-127	1	59	0	15	0	49	0	29	1	0	0.34	-	-	N	N-0 HRS	
103	Midtown, Hawks Landing & Hawks Ridge (D-1)	-129	0	47	0	20	0	29	0	42	0	0	0.00	-	-	N	N-0 HRS	
104	Mayfield & Sherman (D-12, 18)	-132	1	64	0	4	0	40	0	13	0	0	0.34	-	-	N	N-0 HRS	
105	Henry Mall & University Avenue & Campus Drive (D-5, 8)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0.08	36%	N/A	N/A	N/A	D, E
106	Sharpsburg & Sprecher & Wyalusing (D-3, 16)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0.00	-	-	N/A	N/A	D

ALL-WAY STOP INTERSECTIONS STUDIED																		
1	Highland, Regent & Speedway (D-5, 13)	27	13	141	11	127	5	94	16	254	0	0	0.13	-	-	Y	Y-9 HRS	B C
2	American Pkwy, Hoepker & Rattman (D-17)	-17	3	83	8+	105	0	55	8+	210	0	0	0.00	-	-	N	N-1 HRS	F
3	Cross Country Rd - Maple Grove Dr - Nesbitt Rd (D-7)	-21	3	79	8+	157	0	52	8+	313	1	0	0.34	-	-	Y	Y-5 HRS	C, D
4	Swanton & Thompson (D-3, 15)	-22	2	78	8+	153	0	52	8+	307	0	0	0.00	-	-	Y	Y-4 HRS	C
5	Agriculture & Femrite (D-16)	-27	7	106	2	73	0	64	8+	162	2	0	0.51	-	31%	N	N-0 HRS	
6	Old Middleton & Old Sauk (D-11, 19)	-36	12	115	0	44	3	77	4	87	0	0	0.19	-	-	N	N-0 HRS	B, C, F
7	Commercial & North (D-12)	-41	0	59	5+	113	0	33	8+	239	0	0	0.00	-	-	N	N-0 HRS	D
8	Buckeye (AB) & Vondron (D-16)	-50	5	70	3	70	0	50	7+	124	0	0	0.23	-	-	N	N-0 HRS	
9	High Point & Midtown (D-1)	-54	0	48	6+	98	0	33	7+	217	0	0	0.00	-	-	Y	N-1 HRS	
10	Struck St. & Watts Rd. (D-19)	-54	1	56	4	90	0	35	8+	217	1	0	0.32	-	-	N	N-0 HRS	D
11	Milwaukee-Sprecher (D-3)	-58	4	82	3+	47	1	42	8	175	0	0	0.56	-	-	N	N-0 HRS	D, F
52	Marsh & Siggelkow (D-16)	-64	3	67	2	43	0	40	6+	96	1	0	0.00	-	-	N	N-1 HRS	D
12	Bedford & Main (D-4)	-69	0	57	0	55	0	31	+5	127	0	0	0.00	-	-	N	N-0 HRS	
13	MLK Jr. & Wilson (D-4)	-76	4	69	0	39	0	46	4	78	0	0	0.00	-	-	N	N-0 HRS	
14	Commercial & Nakoosa (D-15)	-78	0	33	0	55	0	22	7+	110	0	0	0.00	-	-	N	N-0 HRS	

Warrant 1-A: Eight-Hour Vehicular Volume: Condition A-Minimum Vehicular Volume

Warrant 1-B: Eight-Hour 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."

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.