

**2021 TRAFFIC SIGNAL PRIORITY LIST (WORKING)**

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

	Location	Overall % Below Warrant	WARRANTS								CRASHES			Pedestrian Warrant 4	Peak Hour Warrant 3	Peak Hour Warrant 3	4 Hour Warrant 2	Comments
			WARRANT 1-A				WARRANT 1-B				# With Property Damage Only	# With Personal Injuries	Crash Rate (MEV)					
			Major Street		Minor Street		Major Street		Minor Street									
#	% Met	#	% Met	#	% Met	#	% Met	Hrs.	% Met	Hrs.	% Met	% Met	% Met					
<b>Side Street Stop Controlled Intersections Studied Which Meet the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B.</b>																		
1	Mineral Point Rd & Driveway at Memorial High School (D-19)	19	16	445	5+	63	15	415	12+	119	0	0	0	-	-	Y	Y-4HRS	C, D, E
2	East Washington Ave & Melvin Ct. & Rethke Ave (D-12,15)	11	19	579	0	56	19	386	4+	111	1	0	0.06	3%	13%	N	N-1 HRS	C, D, E
3	Sheboygan Ave & Whitney Way (D-11)	11	16	209	3+	57	13	150	12+	111	0	0	0	-	-	N	N-1 HRS	B, C, D, E
4	East Washington & Independence (D-17)	11	19	603	0	56	17	402	8+	111	1	0	0.07	*	*	N	N-1 HRS	C, D, E, F
5	Northport & School (D-18)	2	16	188	0	51	14	126	8+	102	0	1	0.14	5%	18%	N	N-0 HRS	B, C, D, E
<b>Side Street Stop Controlled Intersections Studied but Not Meeting the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B.</b>																		
1	Junction & Driveway at Target (D-9)	-1	13	209	0	50	12	139	7	99	0	0	0	-	16%	N	N-3 HRS	D E
2	Packers & Sixth (D-12)	-2	19	353	0	50	17	235	7+	98	0	0	0	1%	12%	N	N-0 HRS	B, C, D, E, F
3	Carroll & Gorham (D-2, 4)	-3	16	178	0	51	11	162	8	97	0	0	0	-	-	N	N-0 HRS	E F
4	Edgewood & Monroe (D-13)	-10	13	169	2+	47	7	91	6	99	0	0	0	43%	-	N	N-1 HRS	A B C E F
5	Cottage Grove (CTH BB) & Thompson (D-3, 16)	-16	13	154	0	44	6	92	3	92	1	0	0.16	-	-	N	N-3 HRS	F
6	Fordem & Sherman (D-12)	-18	10	135	4	82	1	73	8+	194	0	0	0	-	-	Y	Y-5 HRS	A C E
7	Broadway & Collins & Dutch Mill (D-16)	-21	13	191	0	40	11	127	1	79	0	0	0	-	39%	N	N-0 HRS	A, C, D, F
8	Old Middleton & Rosa (D-11, 19)	-21	11	101	0	44	4	117	3	79	0	0	0	-	-	N	N-2 HRS	C, F
9	Dickinson & Williamson (D-6)	-25	13	123	0	40	9	94	0	81	0	0	0	-	-	N	N-0 HRS	A, D, E
10	Butler & Gorham (D-2)	-25	14	106	0	48	11	112	1	95	0	0	0	-	-	N	N-1 HRS	B
11	Franklin & Johnson (D-2)	-25	15	321	0	29	12	214	0	75	0	0	0	-	-	N	N-0 HRS	E
12	Gammon & McKenna & New Washburn (D-1)	-26	17	260	0	34	16	173	3+	74	0	0	0	-	18%	N	N-0 HRS	C, D, E, F
13	Schroeder & Struck (D-19, 20)	-33	6	117	2+	64	1	67	6+	157	1	1	0.52	-	-	N	N-2 HRS	D, F
14	Cottage Grove & Ellen (D-3, 16)	-38	14	164	0	31	10	109	1	62	1	0	0.17	-	-	N	Y-4 HRS	D E
15	Bedford & North Shore (D-4)	-38	15	173	0	31	12	115	1	62	0	0	0	-	-	N	N-0 HRS	D E
16	Mesta & Thompson (D-15, 17)	-40	10	105	0	33	5	84	0	76	0	0	0	-	-	N	N-0 HRS	F
17	Doty & Pickney (D-4)	-43	12	142	0	32	6	80	1	77	0	0	0	-	-	N	N-0 HRS	
18	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
19	Atwood, Miller & Waubesa (D-6)	-44	16	241	0	28	12	161	0	56	0	0	0	-	-	N	N-0 HRS	A E
20	Appleton & Fish Hatchery (D-13)	-47	15	186	0	27	13	127	0	53	0	0	0	-	-	N	N-0 HRS	A E F
21	Blackhawk, Erdman & University (CTH MS) (D-11)	-47	18	710	0	26	17	473	0	53	0	0	0	8%	-	N	N-0 HRS	C, D, E, F
22	East Washington Ave & Lexington Ave (D-12,15)	-47	18	417	0	27	17	278	0	53	1	0	0.09	-	-	N	N-0 HRS	D, E
23	Odana & Medical Circle (D-19)	-48	14	220	0	26	11	147	0	52	0	0	0	-	-	N	N-0 HRS	D
24	McKenna & Moraine View (D-1)	-48	15	186	0	26	12	124	0	52	0	0	0	-	-	N	N-0 HRS	
25	Lien & Thierer (D-17)	-49	2	82	2	69	0	49	8+	162	0	0	0	-	-	N	N-0 HRS	
26	Dickinson & East Washington (D-2, 6)	-50	19	601	0	25	17	400	0	50	0	0	0	-	-	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	-	-	N	N-0 HRS	D, E
28	Segoe - Sheboygan (D-11)	-51	4	81	1+	42	0	49	8+	116	0	0	0	-	-	N	N-0 HRS	C, D, E
29	Gammon, Longmeadow & Stonefield (D-19)	-51	12	165	0	29	2	115	0	49	0	0	0	-	-	N	N-0 HRS	D E
30	Milwaukee & Waubesa (D-6)	-52	6	91	0	41	0	54	5	94	0	0	0	-	-	N	N-0 HRS	

	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
31	Packers & Schlingen (D-12)	-53	20	409	0	24	19	273	1+	47	0	0	0	-	10%	N	N-0 HRS	D, E, F
32	Broom & Dayton (D-4)	-53	7	92	0	41	0	59	2	88	2	1	0.76	-	-	N	N-0 HRS	D, E, F
33	Milwaukee & Schenk (D-15)	-53	14	170	0	24	11	113	4	47	0	0	0	-	-	N	N-1 HRS	E
34	Carroll & Doty (D-4)	-53	12	135	0	25	5	102	3	47	0	0	0	-	-	Y	N-3 HRS	E
35	Sherman & Trailsway (D-12)	-53	11	151	0	31	3	82	0	65	0	0	0	-	-	N	N-0 HRS	
36	Milwaukee - Walbridge (D-3, 15)	-56	13	139	0	23	7	139	0	44	0	0	0	-	31%	N	N-3 HRS	A, B, C, D, E
37	Carroll & Dayton (D-4)	-56	5	95	0	39	0	90	4+	54	0	0	0	-	-	N	N-0 HRS	E F
38	Milwaukee-Wittwer (D-3, 15)	-57	14	183	0	22	9	122	2	43	0	0	0	-	5%	N	N-0 HRS	D
39	Marquette & Milwaukee (D-6)	-57	13	162	0	23	7	123	0	41	0	0	0	-	-	N	N-0 HRS	F
40	Milwaukee & Thompson (D-3)	-58	5	75	5+	59	1	42	8+	143	0	0	0	-	-	N	N-0 HRS	C, D
41	Milwaukee & Oak (D-6)	-59	6	91	0	41	0	60	0	81	0	0	0	-	24%	N	N-0 HRS	F
42	East Washington Ave & Second Street (D-6,12)	-60	19	278	0	20	17	185	0	40	1	1	0.15	-	-	N	N-0 HRS	D, E
43	Hill Drive & Whitney Way (D-11)	-60	13	231	0	20	12	154	0	40	0	0	0	-	-	N	N-0 HRS	C, D, E
44	Main & Proudfit (D-4)	-61	15	174	0	19	12	116	0	39	0	0	0	10%	-	N	N-0 HRS	A, D, E, F
45	Knickerbocker & Monroe (D-13)	-61	14	289	0	19	12	192	0	39	0	0	0	-	-	N	N-0 HRS	A D E
46	Odana Lane & Odana Rd (D-10)	-61	14	149	0	20	11	99	0	40	0	0	0	-	-	N	N-0 HRS	A, C, D, E
47	Packers Ave. & Tennyson Ln. (D-12)	-61	14	162	0	19	11	108	0	39	0	0	0	-	-	N	N-0 HRS	D, E, F
48	Monona (CTH BB), Panther & Tompkins (D-16)	-62	15	294	0	21	14	175	0	38	1	0	0.09	-	-	N	N-0 HRS	A B E F
49	Atwood - Sugar - Oakridge (D-6)	-63	14	151	0	19	12	101	0	37	0	0	0	-	5%	N	N-0 HRS	
50	Knutson-Northport (D-18)	-64	13	197	0	18	13	131	0	36	0	0	0	-	-	N	N-0 HRS	E F
51	Few & Williamson (D-6)	-64	15	181	0	20	10	89	0	47	1	0	0.18	-	-	N	N-0 HRS	A E
52	East Park Blvd & East Terrace Dr (D-17)	-64	4	54	3	69	0	36	6+	137	0	0	0	-	-	N	N-0 HRS	D F
53	Marsh & Siggelkow (D-16)	-64	3	67	2	43	0	40	6+	96	0	0	0	-	-	N	N-1 HRS	D
54	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
55	Raymond Rd & S. Gammon Rd (D-7)	-65	2	55	2	74	0	35	8+	167	1	0	0.28	-	-	N	N-1 HRS	A, B, C, D, E
56	Odana & West Platte (D-19)	-68	14	214	0	16	11	142	0	32	0	1	0.16	-	-	N	N-0 HRS	A B D E F
57	Fairchild & Mifflin (D-4)	-68	7	98	0	34	0	65	3	67	0	0	0	-	-	N	N-0 HRS	
58	Big Sky, Mineral Point & Tree (D-9)	-68	16	400	0	16	16	267	0	32	0	0	0	-	-	N	N-0 HRS	A C E F
59	Gorham & Henry (D-2, 4)	-69	16	229	0	16	15	153	0	31	0	0	0.13	-	-	N	N-0 HRS	E
60	Cottage Grove (CTH BB) & Mc Lean (D-3, 16)	-69	11	109	0	29	5	73	0	58	2	0	0.38	-	-	N	N-0 HRS	D, E, H
61	Raymond Rd & Muir Field (D-1, D-7)	-71	2	55	2	59	0	29	6+	144	0	0	0	-	-	N	N-1 HRS	A, B, C, D, E
62	Raymond - South High Point (D-7)	-71	0	43	3	68	0	29	7+	136	0	0	0	-	-	N	N-2 HRS	C, D, F
63	Badger & Cypress (D-14)	-72	1	90	0	33	0	49	3+	79	0	0	0	-	-	N	N-0 HRS	
64	Mandrake & Northport (D-18)	-73	16	204	0	14	15	136	0	27	0	0	0	-	-	N	N-0 HRS	
65	Gilbert & Whitney (D-10, 20)	-73	16	192	0	13	12	128	0	27	0	0	0	-	-	N	N-0 HRS	A D E F
66	American Parkway & Tancho (D-17)	-76	6	96	0	28	1	55	1	69	0	0	0	-	-	N	N-0 HRS	D E F
67	Gammon , Ponwood & Sawmill (D-19)	-77	13	137	0	16	7	91	0	32	0	0	0	-	-	N	N-0 HRS	
68	Aberg & Huxley (D-12)	-78	9	107	0	22	1	79	2	40	0	0	0.26	-	-	N	N-0 HRS	F
69	Cottage Grove & Maher (D-15)	-78	14	110	0	13	7	126	0	22	1	0	0.16	-	-	N	N-0 HRS	D, E
70	Packers & Scott (D-12)	-79	9	116	0	21	2	77	0	43	0	0	0	-	-	N	N-0 HRS	B, C, D, E
71	Kelab & Segoe (D-11)	-79	8	99	0	22	0	66	0	44	0	0	0	-	-	N	N-0 HRS	E F
72	Eau Claire & Old Middleton (D-11, 19)	-79	13	122	0	16	6	80	0	41	0	0	0	-	-	N	N-0 HRS	
73	Blue Ridge & Old Sauk (D-19)	-80	9	161	0	20	2	70	0	42	0	0	0	-	-	N	N-0 HRS	
74	East Pass, Maple Grove & Westin (D-7)	-82	4	80	0	33	2	53	2	65	0	0	0	-	-	N	N-0 HRS	
75	McKenna & Pilgrim (D-1, 20)	-82	6	82	0	36	2	64	1	49	0	0	0	-	-	N	N-0 HRS	
76	Gammon & Farmington Way (D-9, 19)	-82	14	220	0	11	10	122	0	18	0	0	0	-	-	N	N-0 HRS	
77	Forward & Schroeder (D-19, 20)	-83	3	105	0	17	0	53	1+	64	0	0	0	-	-	N	N-0 HRS	B, C, D
78	Mineral Point & Owens (D-11)	-83	13	168	0	15	5	87	0	30	0	0	0	-	-	N	N-0 HRS	A, B, E
79	Johnson & Sixth (D-12)	-83	0	75	0	34	0	51	0	66	1	0	0.40	-	-	N	N-0 HRS	
80	Commercial & Mesta (D-3, 15, 17)	-83	5	88	0	29	0	59	0	57	0	0	0	-	-	N	N-0 HRS	

	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	Hancock & Johnson	-84	15	0	0	0	13	97	0	13	0	0	0	-	-	N	N-0 HRS	
82	Milwaukee & Swanton (D-3, 15)	-85	10	108	0	15	2	72	0	31	0	0	0	-	-	N	N-0 HRS	A E F
83	Hammersley & McKenna (D-1, 20)	-85	11	153	0	7	8	102	0	15	0	0	0	-	20%	N	N-0 HRS	F
84	New Washburn & South High Point (D-1)	-86	12	117	0	14	6	90	0	20	0	0	0	-	-	N	N-0 HRS	D, E
85	Roth & Sherman (D-12)	-86	14	121	0	7	11	107	0	14	0	0	0	-	-	N	N-0 HRS	F
86	Cottage Grove & McClellan (CTH BB) (D-3, 16)	-88	6	94	0	18	2	65	0	29	0	0	0	-	-	N	N-0 HRS	
87	Regent & Roby (D-5)	-88	13	190	0	7	8	106	0	12	0	0	0	-	-	N	N-0 HRS	
88	Darwin Rd. & International Ln (D-12)	-92	0	43	0	38	0	19	1	89	1	0	0.23	-	-	N	N-0 HRS	C, D
89	Marcy Road & Troy Drive (D-18)	-92	4	93	0	15	0	62	0	29	0	0	0	-	-	N	N-0 HRS	B, C, D
90	Mineral Point - Westmoreland (D-11)	-93	12	125	0	7	5	83	0	14	0	0	0	-	-	N	N-0 HRS	C, D, E
91	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
92	Corporate Dr & Blettner (D-15)	-95	3	68	0	30	0	45	3	60	0	0	0	-	-	N	N-0 HRS	
93	Odana & Segoe (D-10)	-95	12	103	0	5	5	83	0	16	0	0	0	-	-	N	N-0 HRS	
94	Buckeye (CTH AB) & Thompson (D-16)	-104	3	72	0	24	0	48	2	47	0	1	0.31	-	-	N	N-0 HRS	
95	Midtown Rd. & Red Tail Dr. & Woods Rd. (D-1)	-105	0	35	1	31	0	24	2+	71	0	0	0	-	-	N	N-0 HRS	D
96	Gilman & Wisconsin (D-2)	-110	0	44	0	31	0	29	2	61	0	0	0	-	-	N	N-0 HRS	C, D, E
97	Hoepker Rd & Manufacturers (D-17)	-116	3	61	0	21	0	41	1	43	0	0	0	-	-	N	N-0 HRS	D
98	Hickory & Olin (D-13)	-121	0	70	0	9	0	47	0	17	0	0	0	-	-	N	N-0 HRS	C, D
99	Marston & Sherman (D-2)	-122	3	67	0	11	0	41	0	25	0	0	0	-	-	N	N-0 HRS	
100	Jeffy & Midtown (D-1)	-127	1	59	0	15	0	49	0	29	1	0	0.34	-	-	N	N-0 HRS	
101	Midtown, Hawks Landing & Hawks Ridge (D-1)	-129	0	47	0	20	0	29	0	42	0	0	0	-	-	N	N-0 HRS	
102	Mayfield & Sherman (D-12, 18)	-132	1	64	0	4	0	40	0	13	0	0	0	-	-	N	N-0 HRS	
103	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	36%	N/A	N/A	N/A	D, E

ALL-WAY STOP INTERSECTIONS STUDIED																		
1	Highland, Regent & Speedway (D-5, 13)	27	13	141	11	127	5	94	16	254	1	0	0.13	-	-	Y	Y-9 HRS	B C
2	Swanton & Thompson (D-3, 15)	-22	2	78	8+	153	0	52	8+	307	0	0	0	-	-	Y	Y-4 HRS	C
3	Agriculture & Femrite (D-16)	-27	7	106	2	73	0	64	8+	162	0	0	0	-	31%	N	N-0 HRS	
4	American Pkwy, Hoepker & Rattman (D-17)	-34	2	66	8+	100	0	44	8+	200	0	2	0.35	-	-	N	N-1 HRS	F
5	Old Middleton & Old Sauk (D-11, 19)	-36	12	115	0	44	3	77	4	87	0	0	0	-	-	N	N-0 HRS	B, C, F
6	Commercial & North (D-12)	-41	0	59	5+	113	0	33	8+	239	1	0	0.35	-	-	N	N-0 HRS	D
7	Milwaukee-Sprecher (D-3)	-47	3	79	3	68	1	53	8+	135	0	1	0.15	-	-	N	N-2 HRS	D, F
8	Buckeye (AB) & Vondron (D-16)	-50	5	70	3	70	0	50	7+	124	0	0	0	-	-	N	N-0 HRS	
9	High Point & Midtown (D-1)	-54	0	48	6+	98	0	33	7+	217	0	0	0	-	-	Y	N-1 HRS	
10	Struck St. & Watts Rd. (D-19)	-54	1	56	4	90	0	35	8+	217	0	0	0	-	-	N	N-0 HRS	D
11	Cross Country Rd - Maple Grove Dr - Nesbitt Rd (D-7)	-55	4	66	7	79	0	44	8+	157	0	0	0	-	-	N	N-3 HRS	
12	Bedford & Main (D-4)	-69	0	57	0	55	0	31	+5	127	0	0	0	-	-	N	N-0 HRS	
13	MLK Jr. & Wilson (D-4)	-76	4	69	0	39	0	46	4	78	0	0	0	-	-	N	N-0 HRS	
14	Commercial & Nakoosa (D-15)	-78	0	33	0	55	0	22	7+	110	0	0	0	-	-	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.