

2012 TRAFFIC SIGNAL PRIORITY LIST

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	Peak Hour Warrant A	Peak Hour Warrant B	4 Hour Warrant	Comments				
			Major Street		Minor Street		# With Property Damage Only	# With Personal Injuries	Crash Rate									
			# Hrs.	% Met	# Hrs.	% Met									# Hrs.	% Met	# Hrs.	% Met
Side Street Stop Controlled Intersections Studied but Not Meeting the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B.															% Met			
1	Junction and Driveway at Target (D-9)	-4	13	225	0	48	11	150	7	96	0	0	0	N	-	N	N-3 HRS	D E
2	Bedford & North Shore (D-4)	-28	14	190	0	36	13	127	3	72	0	0	0	N	-	N	N-0 HRS	D E
3	Gammon, McKenna & New Washburn (D-1)	-30	16	208	0	35	12	139	1	70	0	0	0	N	-	N	N-0 HRS.	C
4	Fordem & Sherman (D-12)	-32	11	120	1	44	4	84	4	84	0	1	0.2	N	31	N	N-0 HRS	A C E
5	Mineral Point (CTH S) & South Point (D-9)	-32	15	224	0	34	14	149	4+	68	1	0	0.17	N	-	Y	N-2 HRS	
6	Schroeder & Struck (D-1)	-33	6	117	2+	64	1	67	6+	157	2	1	0.7	N	-	N	N-2 HRS	
7	Cottage Grove (CTH BB) & Thompson (D-3, 16)	-36	13	131	0	37	7	77	4+	87	0	0	0	N	11	N	N-2 HRS	F
8	Darwin & Packers (D-12)	-37	7	122	0	63	3	63	7+	152	2	1	0.58	N	-	N	N-0 HRS	D E F
9	Edgewood & Monroe (D-10, 13)	-37	14	211	0	32	12	141	0	63	0	0	0	N	-	N	N-0 HRS	A B C E F
10	Commerce & Watts (D-9)	-39	7	95	0	51	1	61	5+	113	0	0	0	N	-	N	N-0 HRS	D F
11	Butler & Gorham (D-2)	-39	17	209	0	31	14	139	1	61	2	0	0.32	N	-	N	N-1 HRS	B
12	Packers & Sixth (D-12)	-40	16	350	0	30	14	233	1	60	1	0	0.11	N	-	N	N-0 HRS	E
13	Norman & University (CTH MS) (D-19)	-42	16	325	0	29	16	216	1	58	1	0	0.08	N	-	N	N-1 HRS	A C E
14	Milwaukee-Wittwer (D-3)	-42	14	153	0	29	10	102	1	58	0	0	0	N	-	N	N-0 HRS	
15	Franklin & Johnson (D-2)	-42	15	234	0	29	11	94	0	64	0	1	0.12	N	-	N	N-0 HRS	
16	Mineral Point & Yellowstone (D-19)	-43	16	277	0	29	14	185	0	57	1	1	0.16	N	32	N	N-0 HRS	A B E F
17	Doty & Pickney (D-4, 6)	-43	12	142	0	32	6	80	1	77	1	0	0.19	N	-	N	N-0 HRS	
18	Ray-O-Vac & Schroeder (D-1)	-44	9	96	0	46	0	64	5	92	0	0	0	N	-	N	N-0 HRS	
19	Old Middleton & Rosa (D-19)	-44	11	110	2	56	5	73	6+	42	1	0	0.21	N	-	N	N-2 HRS	
20	Atwood, Miller & Waubesa (D-6)	-44	16	241	0	28	12	161	0	56	0	1	0.13	N	-	N	N-0 HRS	A E
21	Odana & Medical Circle (D-19)	-48	14	220	0	26	11	147	0	52	0	0	0	N	-	N	N-0 HRS	D
22	Appleton & Fish Hatchery (D-13)	-48	16	253	0	26	12	168	2	52	0	0	0	N	-	N	N-0 HRS	A E F
23	Lien & Thierer (D-17)	-49	2	82	2	69	0	49	8+	162	0	0	0	N	-	N	N-0 HRS	
24	East Pass, Maple Grove & Westin (D-7)	-49	4	80	0	51	1	51	5+	102	1	0	0.43	N	-	N	N-0 HRS	
25	Gammon, Longmeadow & Stonefield (D-9)	-50	13	172	0	25	6	114	0	50	1	0	0.18	N	-	N	N-0 HRS	D E
26	Elderberry & Junction (D-9)	-50	13	191	0	26	11	95	0	55	0	0	0	N	-	N	N-0 HRS	E
27	Knickerbocker & Monroe (D-10)	-52	14	306	0	24	12	204	0	48	0	1	0.09	N	-	N	N-0 HRS	A D E
28	Dickinson & East Washington (D-2, 6)	-52	19	777	0	24	18	518	0	58	0	0	0	N	-	N	N-0 HRS	A E
29	Milwaukee & Schenk (D-15)	-53	14	170	0	24	11	113	4	47	0	0	0	N	-	N	N-1 HRS	E
30	Carroll & Doty (D-4, 6)	-53	12	135	0	25	5	102	3	47	0	0	0	N	-	Y	N-3 HRS	E
31	Commercial & Nakoosa (D-3)	-54	0	46	7+	114	0	33	8+	178	0	0	0	N	-	N	N-0 HRS	
32	Bassett & Dayton (D-4)	-54	2	84	0	44	0	58	6+	88	0	0	0	N	-	N	N-1 HRS	E
33	Prairie & Raymond (D-1, 20)	-54	14	360	0	25	9	109	2	46	1	0	0.15	N	17	N	N-0 HRS	F
34	Heartland & Old Sauk (D-9)	-55	4	67	4+	68	1	45	6+	300	1	0	0.19	N	-	N	N-2 HRS	
35	Carroll & Dayton (D-4)	-56	5	95	0	39	0	90	4+	54	0	0	0	N	-	N	N-0 HRS	E F
36	Aberg & Huxley (D-12)	-56	11	121	0	32	1	80	0	64	0	0	0	N	-	N	N-0 HRS	F
37	Northport & School (D-18)	-57	16	198	0	23	15	228	0	43	0	0	0	N	-	N	N-0 HRS	B E
38	Odana Lane & Odana Rd (D-20)	-61	14	149	0	20	11	99	0	40	0	0	0	N	-	N	N-0 HRS	
39	Monona (CTH BB), Panther & Tompkins (D-16)	-62	15	294	0	21	14	175	0	38	0	0	0	N	-	N	N-0 HRS	A B E F
40	Blount & Williamson (D-6)	-62	16	232	0	19	13	154	2	38	0	0	0	N	-	N	N-1 HRS	A E F

	Location	Overall % Below Warrant	WARRANT 1-A		WARRANT 1-B		CRASHES			Pedestrian Warrant	Peak Hour Warrant A	Peak Hour Warrant B	4 Hour Warrant	Comments				
			Major Street		Minor Street		Major Street		Minor Street						# With Property Damage Only	# With Personal Injuries	Crash Rate	
			# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met	# Hrs.									% Met
41	Sherman & Trailsway (D-12)	-63	12	117	0	26	4	92	0	45	0	0	0	N	-	N	N-0 HRS	
42	Knutson-Northport (D-18)	-64	13	197	0	18	13	131	0	36	0	0	0	N	-	N	N-0 HRS	E F
43	Few & Williamson (D-6)	-64	15	181	0	20	10	89	0	47	0	1	0.15	N	-	N	N-0 HRS	A E
44	East Park Blvd & East Terrace Dr (D-17)	-64	4	54	3	69	0	36	6+	137	0	0	0	N	-	N	N-0 HRS	D F
45	Carver & Fish Hatchery (CTH D) (D-13)	-64	16	331	0	18	15	221	0	36	0	1	0.09	N	12	N	N-0 HRS	D
46	Milwaukee & Oak (D-6, 15)	-66	8	147	0	26	3	76	0	58	0	0	0	N	24	N	N-0 HRS	F
47	Odana & West Platte (D-19)	-68	14	214	0	16	11	142	0	32	1	0	0.13	N	-	N	N-0 HRS	A B D E F
48	Fairchild & Mifflin (D-4)	-68	7	98	0	34	0	65	3	67	0	0	0	N	-	N	N-0 HRS	
49	Big Sky, Mineral Point & Tree (D-9)	-68	16	400	0	16	16	267	0	32	1	1	0.17	N	-	N	N-0 HRS	A C E F
50	Gorham & Henry (D-4)	-69	16	229	0	16	15	153	0	31	0	1	0.08	N	-	N	N-0 HRS	E
51	Bedford & Main (D-4)	-69	0	57	0	55	0	31	+5	127	0	2	0.69	N	-	N	N-0 HRS	
52	Main & Webster (D-4, 6)	-72	6	97	0	28	2	54	1+	74	1	0	0.27	N	-	Y	N-3 HRS	E F
53	Badger & Cypress (D-14)	-72	1	90	0	33	0	49	3+	79	0	0	0	N	-	N	N-0 HRS	
54	Mandrake & Northport (D-18)	-73	16	204	0	14	15	136	0	27	0	0	0	N	-	N	N-0 HRS	
55	Gilbert & Whitney (D-1, 20)	-73	16	192	0	13	12	128	0	27	1	0	0.13	N	-	N	N-0 HRS	A D E F
56	Cottage Grove (CTH BB) & Mc Lean (D-3, 16)	-73	8	93	0	33	3	62	2	65	0	2	0.46	N	-	N	N-0 HRS	
57	Mineral Point & Owens (D-11)	-74	14	115	0	14	12	134	0	26	1	0	0.17	N	-	N	N-0 HRS	ABE
58	Packers & Schlimgen (D-12, 15)	-75	18	387	0	13	17	258	0	25	1	0	0.07	N	-	N	N-0 HRS	C E F
59	American Pkwy & Buttonwood Dr (D-17)	-75	10	94	1	22	5	134	4	25	0	0	0	N	27	N	N-2 HRS	A D E F
60	MLK Jr. & Wilson (D-4, 6)	-76	4	69	0	39	0	46	4	78	0	0	0	N	-	N	N-0 HRS	
61	Mineral Point & Westmorland (D-11)	-77	15	177	0	12	12	118	0	23	0	0	0	N	-	N	N-0 HRS	
62	Kelab & Segoe (D-11)	-79	8	99	0	22	0	66	0	44	0	0	0	N	-	N	N-0 HRS	E F
63	Milwaukee & Waubesa (D-6, 15)	-80	8	104	0	20	3	56	2	61	1	0	0.24	N	-	N	N-0 HRS	
64	Blue Ridge & Old Sauk (D-19)	-80	9	161	0	20	2	70	0	42	0	0	0	N	-	N	N-0 HRS	
65	Cottage Grove & Ellen (D-3, 16)	-81	6	83	0	29	2	70	6	49	0	0	0	N	-	N	N-0 HRS	
66	Blackhawk, Erdman & University (CTH MS) (D-11)	-82	19	671	0	9	17	447	0	18	1	0	0.06	N	-	N	N-0 HRS	A D E F
67	Johnson & Sixth (D-12)	-83	0	75	0	34	0	51	0	66	0	0	0	N	-	N	N-0 HRS	
68	Commercial & Mesta (D-15/17)	-83	5	88	0	29	0	59	0	57	0	0	0	N	-	N	N-0 HRS	
69	Scott & Packers (CV) (D-12)	-84	13	130	0	15	4	87	0	29	0	0	0	N	-	N	N-0 HRS	
70	Milwaukee & Swanton (D-3)	-85	10	108	0	15	2	72	0	31	0	0	0	N	-	N	N-0 HRS	A E F
71	Hammersley & McKenna (D-1)	-85	11	153	0	7	8	102	0	15	1	1	0.3	N	20	N	N-0 HRS	F
72	Roth & Sherman (D-12)	-86	14	121	0	7	11	107	0	14	1	0	0.15	N	-	N	N-0 HRS	F
73	Cottage Grove & McClellan (CTH BB) (D-3, 16)	-88	6	94	0	18	2	65	0	29	0	0	0	N	-	N	N-0 HRS	
74	Corporate Dr & Blettner (D-15)	-95	3	68	0	30	0	45	3	60	0	0	0	N	-	N	N-0 HRS	
75	American Pkwy & American Family Dr (D-17)	-99	3	81	1	20	0	54	2+	40	1	1	0.34	N	-	N	N-0 HRS	D E F
76	Buckeye (CTH AB) & Thompson (D-16)	-104	3	72	0	24	0	48	2	47	0	1	0.32	N	-	N	N-0 HRS	
77	Hickory & Olin (D-13)	-117	1	71	0	12	0	44	0	25	1	0	0.39	N	-	N	N-0 HRS	
78	Marston & Sherman	-122	3	67	0	11	0	41	0	25	0	0	0	N	-	N	N-0 HRS	
79	Jeffy & Midtown (D-1)	-127	1	59	0	14	0	40	0	27	0	0	0	N	-	N	N-0 HRS	
80	Midtown, Hawks Landing & Hawks Ridge (D-1)	-129	0	47	0	20	0	29	0	42	0	0	0	N	-	N	N-0 HRS	
81	Mayfield & Sherman (D-12, 18)	-132	1	64	0	4	0	40	0	13	0	0	0	N	-	N	N-0 HRS	

Location	Overall % Below Warrant	WARRANT 1-A				WARRANT 1-B				CRASHES			Pedestrian Warrant	Peak Hour Warrant A	Peak Hour Warrant B	4 Hour Warrant	Comments
		Major Street		Minor Street		Major Street		Minor Street		# With Property Damage Only	# With Personal Injuries	Crash Rate					
		# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met	# Hrs.	% Met								

ALL-WAY STOP INTERSECTIONS STUDIED																		
1	Highland, Regent & Speedway (D-5, 10)	27	13	141	11	127	5	94	16	254	0	0	0	N	-	Y	Y-9 HRS	B C
2	Swanton & Thompson (D-3)	-22	2	78	8+	153	0	52	8+	307	0	0	0	N	-	Y	Y-4 HRS	C
4	Old Middleton & Old Sauk (D-19)	-34	4	89	2	77	1	59	8+	154	0	0	0	N	-	N	Y-4 HRS	B F
3	American Pkwy, Hoepker & Rattman (D-17)	-43	3	57	6+	112	0	44	8+	214	0	0	0	N	-	Y	Y-4 HRS	
5	Milwaukee-Sprecher (D-3)	-43	6	85	3	72	2	57	8+	144	1	0	0.25	N	-	N	N-2 HRS	
6	Buckeye (AB) & Vondron (D-16)	-50	5	70	3	70	0	50	7+	124	0	0	0	N	-	N	N-0 HRS	
7	High Point & Midtown (D-1)	-54	0	48	6+	98	0	33	7+	217	0	0	0	N	-	Y	N-1 HRS	
TWO-WAY STOP INTERSECTIONS STUDIED AND MEETING THE MINIMUM NUMERAL REQUIREMENTS OF EITHER WARRANT 1-A OR WARRANT 1-B.																		
1	Carroll & Gorham (D-4)	17	17	239	0	59	15	159	11	117	2	1	0.39	N	-	Y	Y-7 HRS	E F
2	McKee (CTH PD) & Muir Field (D-7)	16	15	172	8+	78	13	116	8+	119	0	0	0	N	-	Y	Y-5 HRS	F

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

Accident 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.