2-1-1 Introduction September 1992

Beginning with Chapter 2 and extending through Chapter 9, Bicycle Facilities, the TEOpS entry heading and numbering system will follow the corresponding system in the <u>MUTCD</u>. The SECTION designation will be numerical instead of alphabetic as in the <u>MUTCD</u> partly in order to differentiate between the two.

2-1-3 Standardization December 2005

Although the Department exercises no control over the usage of non-conforming signs on other systems, except on sections being built under state contracts, the Department can and *should* be looked to for direction in preserving the uniformity of all traffic control devices. Signs are of special concern because they can be designed in almost endless variation.

<u>Part 1</u> of the <u>MUTCD</u> gives specific positive purposes for the use of standardized traffic control devices. If these were closely followed by all agencies there would be no need for further discussion. Unfortunately, there are some who believe that non-uniform signs are more effective, generally because of their uniqueness. The following discussion is intended to counter this attitude and service as a resource in replying on the subject of uniformity or objecting to the use of non-conforming signs.

While it *should* be quite clear as to the purposes of signing for the benefit of the motoring public, there are other purposes for signing which *may* be installed on streets and highways, some of which have no benefit to motorists at all. These side purposes *may* include efforts to:

- Attract
- Notify, inform
- Advertise
- Educate
- Influence
- Propagandize
- Memorialize
- Placate
- Landmark
- Reinforce

The consequences of displaying non-conforming signs would be expected to mainly affect the motorist, but sometimes *may* affect others, such as pedestrians. These consequences *may* include:

- Misinterpretation
- Incorrect message
- Message contrary to law
- Distracting from driving task
- Distracting from important signs
- Incomprehensive message
- Generation of humor rather than seriousness
- False trust by others (pedestrians)
- Wasted money
- Bad precedent
- Loss of respect
- Poor materials (deterioration)
- Poor aesthetics
- Liability

EXAMPLES

Some specific examples follow which are intended to explain why the usage is undesirable.

Slow Children

The use of this sign is probably the most common non-standard to be found on local streets. It is typically a black on yellow rectangular sign, with a running child figure. A variation *may* add the phrase "at play." It is often shown in sign catalogs.

The purpose of this sign is largely to placate the residents. While their concern for the safety of their children is understandable, the real issue is not being addressed, which the hazard is caused by children either playing in the street or entering the street without exercising care. Both actions are illegal. The sign therefore tends to endorse illegal actions, and that is why it *should* not be used.

Motorist Stop/Yield to Pedestrians

This sign is commonly a red and white rectangle, but could have several variations. It is usually erected at the crosswalk. A variation seen in other states refers to children and is probably used at crossings of neighborhood school routes. The departure from shape, color and message tends to diminish the impact of conforming signing. It *should* be expected that the public is slightly confused as to what is expected at these "special" places. The most serious reason why they *should* not be used would be if the pedestrians themselves observed the signs and reacted differently, thereby not exercising their normal caution. In Wisconsin, pedestrians have the right of way only if they do not cause the motorist to have difficulty in stopping.

Black Spot

This sign is used in foreign countries and perhaps in this country to indicate the scene of one or more fatal accidents. It is intended to warn motorists of a perceived dangerous location as well as to memorialize the location. In Wisconsin crosses have been erected by private persons to do the same thing. The negative aspects of this activity are the possibility that motorists will be distracted, that the location is only randomly the scene of a fatality, that the sign itself *may* be an obstruction to sight or otherwise an obstacle; that the sign is not informative as to what the hazard might be if there was one; and the prospect that the memorial will be unpleasant to local people if the victim was local.

Directional Signs to Generators

In a recent contract funded with federal aid, provisions were made to install directional signs on a downtown street. The design of the signs was non-conforming regarding the MUTCD Sections 1A.02 and 2D.02 through 2D.08. The signs had two-color backgrounds, had arrows set in circles, which were black and white and raised above the sign surface and extended out beyond the edge of the sign, and had letter fonts and sized which would have made the signs illegible to the motoring public. The signs were removed from the project.

This was admittedly an extreme case of non-conformance. However, it is our obligation to advise that there are definite standards on all features of guide signs. To the extent that signs depart from any of these standards, the motoring public is not served, but rather some other interest is being addressed, some of which are listed above, along with the consequences.

2-1-7 Dynamic Speed Display Signs

December 2022

PURPOSE

The MUTCD section <u>2A.07</u> allows usage of Dynamic Speed Display Signs to measure and display individual speeds at a specific location. These signs are commonly referred to as "speed display signs," "driver feedback signs" or "your speed is" signs. The signs are activated by radar to detect and display individual vehicle speeds to the vehicle driver. The expectation is that the driver will compare his speed with the legal posted speed and adjust accordingly. These sign installations may be portable installations that are installed on a temporary basis or may be permanent installations attached to new or existing signing. Local units of government have requested to install this signing. This policy provides guidance on the usage of these signs on state-maintained roadways.

DEFINITIONS

<u>Freeways</u> are defined as divided highways with fully controlled access at interchanges only. Interstate Highways are freeways with the interstate route designation.

<u>Expressways</u> are defined as divided highways with partially controlled access by a combination of interchanges, at-grade intersections and driveways.

<u>Conventional Highways</u> are defined as streets or roads other than freeways or expressways. They may be divided or undivided, two-lane or multi-lane, and access is available at intersections and driveways.

POLICY

Requests to install and maintain dynamic speed display signs on DOT-maintained roadways **shall** be made in writing by a local unit of government. Each request **shall** include a map showing the proposed location of the dynamic speed display sign(s). Upon Region review, approval or denial **shall** be made by a letter to the local

unit of government. If approval is granted, the letter **shall** confirm that all provisions of this policy are met by the request. If approval is given, the Region *should* also provide a copy of the R2-1C standard sign plate with the approval letter so consistency is maintained in the design and manufacture of the signs.

QUALIFYING CRITERIA

The following criteria **shall** be used by the Region to determine whether a roadway would qualify for dynamic speed display signs.

- 1. Dynamic Speed Display Signs *may* be allowed in the following locations on the state highway system:
 - a. School Speed Limit Zones
 - b. Reductions in Speed Zones within a community
 - c. Work Zone speed limit areas.
- 2. Portably mounted dynamic speed display signs *may* be permitted at locations where they can safely be deployed for a time not to exceed eight days.
- 3. Dynamic speed display signs for work zones *may* be allowed for the duration of the project. The decision to utilize dynamic speed display signs for construction work zones is determined through the work zone transportation management plan process.
- 4. Except for work zone areas, dynamic speed display signs **shall not** be allowed on freeways and expressways, including ramps.
- 5. The usage of dynamic speed display signs is limited to one sign per approach of speed transition zones such as at city limits, school zones or speed reduction transition. Transition points from expressways to conventional highways may be permitted.
- 6. Dynamic Speed Display sign installations **shall** comply with all NCHRP 350 crashworthy requirements.
- 7. When permanent mounted dynamic speed display signs are used, they **shall** be placed next to or downstream (typically 100'-200') of the regulatory speed limit sign (R2-1) or school speed assembly sign (S4-51) sign. The signs **shall** be at the same mounting height.
- 8. Dynamic speed display signs that do not conform to this policy **shall** be removed. Notification to communities **shall** be made by written letter. If existing non-permitted signs are not removed, WisDOT will remove the sign(s) at the owner's expense.
- 9. The local unit of government **shall** be responsible for manufacture, liability, installation and maintenance costs.
- 10. The local unit of government **shall** affix an identification label to the back of each sign, per Wisconsin State Statute 86.19(5).
- 11. WisDOT reserves the right to remove or move dynamic speed display signs in the event of a speed zone change, maintenance work or improvement project. WisDOT will notify the local unit of government, in writing, of the work and all costs associated with moving or removing the dynamic message speed signs. All costs for such moves **shall** be paid by the local unit of government.
- 12. The size lettering used on dynamic speed display signs **shall**, at a minimum, match the adjacent speed limit sign (see R2-1C sign plate).

USAGE CRITERIA

- 1. Dynamic speed display signs installed in permanent speed zones *should* operate 24 hours a day, 7 days a week.
- 2. Dynamic speed display signs installed on a temporary speed zone *should* operate for the time that the speed zone is in effect (e.g. school zones or work zones).
- 3. For work zones, the dynamic speed display signs *should not* be overused.

SIGN DESIGN CRITERIA

- 1. The R2-1C sign (See Figure 1) **shall** be used for permanent applications.
- 2. The changeable portion of the dynamic speed display sign **shall** have a black background with an amber (yellow) legend. On devices equipped with flip discs, the legend color *may* be yellow or green. Only one sign, in each direction of a two-way street approach or back-to-back signs, will be allowed for

each crosswalk approach.

- 3. The changeable message portion of the sign **shall** display the speed of the approaching vehicle as "XX" in miles per hour. The following standards apply to the changeable message portion of the sign:
 - a. The sign shall flash at drivers traveling over the posted speed limit.
 - b. The flash rate *should* be between 50 and 60 cycles per minute.
 - c. Threshold speed setting should be set at 20mp below and above the posted speed.
 - d. For speeds measured over the speed threshold setting, the dynamic speed display sign **shall** go blank.
 - e. The dynamic speed display sign **shall** be either blank or display zeros when no vehicles are present.

NOTES 1. Sign is Type II - Type H Reflective 2. Color: Background - White Message - Black 3. Message Series - E. Lines 1 & 2 4. LED screen shall have a minimum of 12" numbers for posted speeds of less than 45 MPH and a minimum of 18" numbers should be used for posted speeds of 45 MPH or greater. * SEE NOTE 4 7 R2-1C STANDARD SIGN R2-1C 2S VARIES VARIES 1 1/8 1/8 2M VARIES VARIES 1 1/8 1/8 3 VARIES VARIES 1 1/8 1/2 4 VARIES VARIES 1 1/8 1/2 1/2 4 1/2 4 1/8 6 1/8 5 2 1/4 8 1/2 9 1/8 2 1/4 8 1/2 9 1/8 VARIE: WISCONSIN DEPT OF TRANSPORTATION VARIES Motther & Rauch VARIES VARIE: 2/13/14 PLATE NO. R2-1C.3 PROJECT NO: COUNTY: SHEET NO:

Figure 1. Dynamic Speed Display Sign R2-1C

2-1-8 LEDs (Blinker Signs)

July 2018

PURPOSE

The MUTCD section <u>2A.07</u> provides standards and options for the usage of Light Emitting Diode (LED) units within the face of a sign and in the border of a sign to improve conspicuity and increase the legibility of sign legends and borders. This policy provides requirements and guidance on the proper use of the LED (commonly referred to as blinker) signs on state-maintained highways. Per the <u>MUTCD</u>, these blinker signs *may* be used on STOP signs, Warning signs and other regulatory signs such as speed limit sign or school signs. This policy provides guidance and requirements for usage on state-maintained highways. Refer to <u>TEOpS 4-5-1</u> for warning sign flasher enhancement device options for pedestrians.

BACKGROUND

The <u>MUTCD</u> includes language in <u>2A.07</u> which provides guidelines for the proper use of these devices. They are considered similar to flashing beacons in section <u>4L</u> of the <u>MUTCD</u>. The limiting guidelines under which they are considered in the Wisconsin Supplement are:

- Guideline 1: Demonstrated crash problem
- Guideline 2: Visibility restrictions

- Guideline 3: Unusual geometrics
- Guideline 4: Poor conspicuity—sign blending in with the environment

These four guidelines apply to all public highways and streets, including those not under state jurisdiction. The policy statements below pertain specifically to state-maintained highways.

DEFINITIONS AND MUTCD REQUIREMENTS (IF LEDS USED)

- 1. LEDs **shall** have a maximum diameter of ½ inch and **shall** be the following colors based on the type of sign:
 - a. White or red, if used with STOP or YIELD signs.
 - b. White, if used with regulatory signs other than STOP or YIELD signs.
 - c. White or yellow, if used with warning signs.
- 2. If flashed, the LED units **shall** flash simultaneously at a rate of more than 50 and less than 60 times per minute.
- 3. The uniformity of the sign design **shall** be maintained without any decrease in visibility, legibility, or driver comprehension during either daytime or nighttime conditions.
- 4. A module of multiple LED units used as a closely-spaced, single light source **shall** only be used within the sign face for legends or symbols.

POLICY

The usage of any illumination methods for traffic signs, including LEDs, is strictly limited to situations with documented safety concerns.

- 1. Local authorities **shall not** be allowed to installed units on state-maintained highways.
- 2. Blinker signs **shall** only be considered at existing locations. A conversion from a two to four-way stop is also considered an existing location. New locations **shall not** be considered until a minimum of one-year crash data, volume data and other traffic data is available for a traffic evaluation safety **shall** be submitted to the State Safety Engineer for review.
- 3. For blinker STOP and STOP AHEAD signs, at a minimum, consider at intersections that meet both of the following criteria:
 - a. Crashes due to failure to stop (i.e. running the stop sign), not failure to yield the right of way (i.e. stopping and then proceeding)
 - b. At least two documented failures (crash reports) to stop in the most recent 12-month period, or three documented failures to stop within the past five years.
- 4. Other countermeasures *should* be considered first, prior to installation of blinker STOP and STOP AHEAD signs, to address safety concerns such as:
 - a. Clearing vegetation
 - b. Double-marking STOP or STOP AHEAD signs
 - c. Flags on signs
 - d. Rumble strips
 - e. Increasing sign sizes
 - f. Flashing beacons
 - g. Others.
- 5. Side-by-side ramps are common at partial cloverleaf interchanges where entrance and exit ramps operate directly adjacent to one another rat the interchange ramp terminal. Geometric design techniques to discourage wrong way maneuvers should be considered at side-by-side ramps. Where design constraints exist, blinker WRONG WAY signs may be utilized at side-by-side interchange ramps, provided there are documented wrong way movements noted by law enforcement or the Department. Blinker WRONG WAY signs shall not be used at locations other than side-by-side interchange ramps. WRONG WAY blinker signs shall only be used downstream of the ramp termini.
- 6. To maximize the effectiveness of the blinker WRONG WAY signs, vehicle actuated and time-of-day usage **shall** be considered by the Region. Some examples of time-of day usage would include:
 - a. Operation during periods when wrong way drivers are prevalent.
 - b. Operation during periods of low visibility or darkness, which may include a photocell operation.
- 7. Blinker signs shall only be used for STOP, STOP AHEAD, and WRONG WAY signs (at side-by-side

ramps). These are considered the more important of the regulatory and warning sign series. Enhancements or blinkers on warning signs are allowed on pedestrian and school crossing warning signs, refer to <u>TEOpS 4-5-1</u>. There is the longstanding concern that overuse of the blinker signs will diminish their effectiveness.

Any requests for additional blinker sign evaluations **shall** be approved by the Bureau of Traffic Operations.

- 8. Blinker STOP AHEAD signs **shall** be furnished and installed by WisDOT on state highways based on the criteria noted above.
- 9. Do not install blinker STOP signs and STOP AHEAD signs on the same approach. If used where there is a curve or hill approaching a STOP sign, use blinker on STOP AHEAD sign rather than STOP sign.
- 10. Do not mix beacons and blinker signs with STOP and STOP AHEAD signs on the same approach.

A cost comparison analysis *should* be done to determine where beacons or blinker sign is more appropriate. Studies have not been performed to determine if one device is more appropriate than the other.

2-1-30 Sign Numbering

January 2007

Section 86.19(5) Wis. Stat. provides that all maintaining agencies in the state must affix a unique code number to each of their signs for identifying the owner of the sign if it *should* be found elsewhere. Whereas the vandalism sticker is prescribed by law to be applied to the face of the sign, there is no provision about sign numbers in 86.19 (5) to that effect, and therefor the number *may* be placed on the back of the sign, although it could be incorporated unobtrusively into the stenciling.

The format of the sign number *should* follow the example below for the Town of Big Flats in Adams County:

1-02

The numerals *should* be one inch in height and made of durable materials such as stencil paste on adhesive-backed vinyl film. Felt pen ink will not last. Paint applied directly to aluminum *may* come of if the aluminum is not specifically treated.

Ouincy

The numbers to be used are on the following pages.

	2 /	SHLAI	ND	26		Quincy		
	Townships		Cities & Villages	28		Richfield		
02	Agenda	201	Ashland (C)	- 30		Rome		
04	Ashland	106	Butternut (V)	32		Springville		
06		251	` ,	34	ŀ	Strongs Prairie		
08	Chippewa	251	Mellen (C)					
10	Gingles Gordon	Llei	noorporated Villages			_	BARRO	
	_	_	ncorporated Villages	<u> </u>		Townships		Cities & Villages
12	Jacobs	09	Cayuga	02	<u>-</u>	Almena	101	Almena (V)
14	La Pointe	05	Clam Lake	04	ļ	Arland	206	Barron (C)
16	Marengo	06	Glidden	06	;	Barron	111	Cameron (V)
18	Morse	02	High Bridge	08	3	Bear Lake	211	Chetek (C)
20	Peeksville	13	Marengo	10)	Cedar Lake	212	Cumberland (C)
22	Sanborn	05	Morse	12	<u> </u>	Chetek	116	Dallas (V)
24	Shanagolden	11	Odanah	14	ļ	Clinton	136	Haugen (V)
26	White River	13	Sanborn	16	;	Crystal Lake	171	Prairie Farm (V)
		ADAM		18		Cumberland	276	Rice Lake (C)
	Townships		Cities & Villages	20		Dallas	186	Turtle Lake (V)
02	Adams	201		22	•	Dovre	151	New Auburn (V)
04	Big Flats	291	Friendship (V)	24	ļ	Doyle		Also in Chippewa
06	Colburn			26		Lakeland		
80	Dell Prairie		incorporated Villages	28		Maple Grove	Uning	corporated Villages
10	Easton	17	Arkdale	30)	Maple Plain	05	Angus
12	Jackson	10	Brooks	32		Oak Grove	13	Barronett
14	Leola	17	Dellwood	34	ļ	Prairie Farm	16	Brill
16	Lincoln	10	Grand Marsh	36		Prairie Lake	19	Campia
18	Monroe	15	New Rome	38		Rice Lake	23	Canton
20	New Chester	04	Plainville	40		Sioux Creek	08	Comstock
22	New Haven	05	White Creek	42		Stanfold	14	Hillsdale
24	Preston			44		Stanley	23	Lehigh

46	Sumner	05	Mikana	22		Milton		
48	Turtle Lake	07	Poskin	24		Modena		
50	Vance Creek			26		Mondovi		
				28		Montana		
		AYFIE		30		Naples		
	Townships	000	Cities & Villages	32		Nelson		
02	Barksdale	206	Bayfield (C)	34		Waumandee		
04	Barnes	201	Ashland (C)			7 D	URNE1	FT
06	Bayfield	151 291	Mason (V) Washburn (C)			Townships	UKNE	Cities & Villages
08 10	Bay View Bell	291	Washburn (C)	02	,	Anderson	131	
12	Cable	Llni	ncorporated Villages	04		Blaine	181	
14	Clover	07	Barkpoint	06		Daniels	191	` ,
16	Delta	14	Benoit	08		Dewey	101	vvebster (v)
18	Drummond	02	Bingo	10		Grantsburg	Uni	ncorporated Villages
20	Eileen	05	Cornucopia	12		Jackson	16	Danbury
21	Hughes	08	Delta	14		La Follette	14	Ferron Park
22	Iron River	02	Fresh Air	16	i	Lincoln	12	Gaslyn
24	Kelly	22	Grandview	18		Meenon	07	Hertel
26	Keystone	07	Herbster	20	1	Oakland	01	Randall
28	Lincoln	20	Moquah	22		Roosevelt	10	Yellowlake
30	Mason			24		Rusk		
32	Namekegon			26		Sand Lake		
34	Orients			28		Scott		
36	Oulu			30		Siren		
38	Piben			32		Swiss		
40	Port Wing			34		Trade Lake		
42	Grandview			36		Union		
46	Russell			38		Webb Lake		
48	Tripp			40		West Marshland		
50	Washburn			42		Wood River		
	5	BROV	/N			8 C/	ALUME	т
	Townships	DICOV	Cities & Villages			Townships		Cities & Villages
10	Eaton	102		02	,	Brillion	206	Brillion (C)
12	Glenmore	104	` ,	04		Brothertown	211	Chilton (C)
14	Green Bay	106	()	06		Charlestown	136	Hilbert (V)
18	Holland	126		08		Chilton	261	New Holstein (C)
22	Humboldt	116		10	1	Harrison	179	Sherwood (V)
24	Lawrence	216		12		New Holstein	181	Stockbridge (V)
25	Ledgeview	231		14		Rantoul	201	Appleton (C)
26	Morrison	136	6 Howard (V)	16	i	Stockbridge	160	Potter
28	New Denmark	171		18		Woodville	241	Kiel
30	Pittsfield	178					251	Menasha
34	Rockland	191	Wrightstown (V)					
36	Scott							corporated Villages
40	Wrightstown		nincorporated Villages	=			05	Darboy
		15	Anston				09	Dundas
		19 20	Big Suamico				01	Forest Junction
		12	Greenleaf Little Rapids				03 05	Hayton Highcliff
		11	New Franken				03	riigriciiii
		13	Wayside			9 C	HIPPE	NΔ
		20	W. Wrightstown			Townships		Cities & Villages
			g	02		Anson	206	Bloomer (C)
	6 BUF	FALO	WSP-6	04		Arthur	106	Boyd (V)
	Townships		Cities & Villages	06	i	Auburn	111	Cadott (V)
02	Alma	201		08		Birch Creek	211	Chippewa Falls (C)
04	Belvidere	206		10		Bloomer	213	Cornell (C)
06	Buffalo	111	Cochrane (V)	12		Cleveland	161	New Auburn (V)
80	Canton	226		14		Colburn		also in Barron Co.
10	Cross	251		16		Cooks Valley	281	Stanley (C)
12	Dover	154	Nelson (V)	18		Delmar	128	Lake Hallie (V)
14	Gilmanton			20		Eagle Point		
16	Glencoe			22		Edson		corporated Villages
18	Lincoln			24		Estella	16	Albertville
20	Maxville			26	i	Goetz	18	Arnold

28	Hallie	02 Cobban	38	Springville		
32	Howard	10 Eagleton	40	West Point		
34	Lafayette	01 Jim Falls	42	Wyocena		
35 36	Lake Holcombe Ruby			12 CR	AWEC	NPD
38	Sampson			Townships	AVVIC	Cities & Villages
40	Sigel		02	Bridgeport	106	Bell Center
42	Tilden		04	Clayton	116	De Soto (V)
44	Wheaton		06	Eastman	121	Eastman (V)
46	Woodmohr		80	Freeman	126	Ferryville (V)
			10	Haney	131	Gays Mills (V)
		CLARK	12	Marietta	146	Lynxville (V)
	Townships	Cities & Villages	14	Prairie du Chien	151	Mt. Sterling (V)
02	Beaver	201 Abbotsford (C)	16	Scott	271	Prairie du Chien (C)
04	Butler	211 Colby (C)	18	Seneca Utica	181	Soldiers Grove (V)
06 08	Colby Dewhurst	111 Curtiss (V) 116 Dorchester (V)	20 22	Wauzeka	182 191	Steuben (V) Wauzeka (V)
10	Eaton	131 Granton (V)	22	vvauzena	191	wauzeka (v)
12	Foster	231 Greenwood (C)			Un	incorporated Villages
14	Fremont	246 Loyal (C)			05	Barnum
16	Grant	261 Neillsville (C)			05	Petersburg
18	Green Grove	265 Owen (C)				J
20	Hendren	286 Thorp (C)		1	3 DAN	E
22	Hewett	191 Withee (V)		Townships		Cities & Villages
24	Hixon	186 Unity (V)	02	Albion	106	Belleville (V)
26	Hoard	Lining a managed of Mills and a	04	Berry	107	Black Earth (V)
28	Levis	Unincorporated Villages	06	Black Earth	108	Blue Mounds (V)
30 32	Loyal Longwood	07 Chili 20 Humbird	00	Dia amaina Cuassa	109	Brooklyn (V)
3	Lynn	27 Riplinger	08 10	Blooming Grove Blue Mounds	111 112	Cambridge (V) Cottage Grove (V)
36	Mayville	23 Tioga	12	Bristol	113	Cross Plains (V)
38	Mead	10 Willard	14	Burke	116	Dane (V)
40	Mentor		16	Christiana	117	Deerfield (V)
42	Pine Valley		18	Cottage Grove	118	De Forest (V)
44	Reseberg		20	Cross Plains	221	Edgerton (V)
46	Seif		22	Dane	251	Madison (C)
48	Sherman		24	Deerfield	151	Maple Bluff (V)
50	Sherwood		26	Dunkirk	154	McFarland (V)
52 54	Thorp		28	Dunn	152	Marshall (V)
5 4 56	Unity Warner		32	Madison	153	Mazomanie (V)
58	Washburn		34	Mazomanie	255	Middleton (C)
60	Weston		36	Medina	258	Monona (C)
62	Withee		38 40	Middleton Montrose	157 165	Mt. Horeb (V) Oregon (V)
64	Worden		42	Oregon	176	Rockdale (V)
66	York		44	Perry	181	Shorewood Hills (V)
			46	Pleasant Springs	281	Stoughton (C)
		COLUMBIA	48	Primrose	282	Sun Prairie (Ć)
-00	Townships	Cities & Villages	50	Roxbury	286	Verona (C) `´
02	Arlington	101 Arlington (V)	52	Rutland	191	Waunakee (V)
04 06	Caledonia Columbus	111 Cambria (V) 211 Columbus (C)	54	Springdale		
08	Courtland	116 Doylestown (V)	56	Springfield		nincorporated Villages
10	Dekorra	126 Fall River (V)	58	Sun Prairie	20	Basco
12	Ft. Winnebago	127 Friesland (V)	60	Vermont	27	Klevenville
14	Fountain Prairie	` ,	62	Verona	12	London
16	Hampden	171 Pardeeville (V)	64 66	Vienna Westport	34	Morrisonville
18	Leeds	271 Portage (C)	66 68	Westport Windsor	27 20	Mt. Vernon Paoli
20	Lewiston	172 Poynette (V)	70	York	20 27	Riley
22	Lodi	176 Randolph (V)	70	TOTA	<u>~</u> 1	i woy
24	Lowville	177 Rio (V)				
26 28	Marcellon Newport	291 Wisconsin Dells (C) 191 Wyocena (V)				
30	Otsego	iai vvyocena (v)				
32		Unincorporated Villages				
32 34	Pacific Randolph	Unincorporated Villages 119 Okee				

		14 DOE	OGE		28	Summit	14	Foxboro
	Townships		Cities & Villages		30	Superior	07	Hines
02	Ashippun	206	Beaver Dam (C)		32	Wascott	55	Itesca
04	Beaver Dam	106	Brownsville (V)		-	11455511	05	Dairyland
06	Burnett	111	Clyman (V)				14	Patzau
08	Calamus	211	Columbus (C)				12	South Range
10	Chester	226	Fox Lake (C)				01	Wentworth
		230					O I	VVEIILWOILII
12	Clyman Elba		Hartford (C)			47	DUNN	1
14		236	Horicon (C)					
16	Emmet	136	Hustisford (V)		-00	Townships		Cities & Villages
18	Fox Lake	141	Iron Ridge (V)		02	Colfax	106	Boyceville (V)
20	Herman	241	Juneau (C)		04	Dunn	111	Colfax (V)
22	Hubbard	143	Kekoskee (V)		06	Eau Galle	116	Downing (V)
24	Hustisford	146	Lomira (V)		80	Elk Mound	121	Elk Mound (V)
26	Lebanon	147	Lowell (V)		10	Grant	141	Knapp (V)
28	Le Roy	251	Mayville (C)		12	Hay River	251	Menomonie (C)
30	Lomira	161	Neosho (V)		14	Lucas	176	Ridgeland (V)
32	Lowell	176	Randolph (V)		16	Menomoniee	191	Wheeler (V)
34	Oak Grove	177	Reeseville (V)		18	New Haven		
36	Portland	186	Theresa (V)		20	Otter Creek	Unin	corporated Villages
38	Rubicon	291	Watertown (C)		22	Peru	13	Caryville
40	Shields	292	Waupun (C)		24	Red Cedar	02	Downsville
42	Theresa				26	Rock Creek	11	Meridean
44	Trenton	U	nincorporated Villages		28	Sand Creek	12	Rusk
46	Westford	07	Astico	_	30	Sheridan	13	Rock Falls
48	Williamstown	05	Atwater		32	Sherman		
		15	Knowles		34	Spring Brook		
		21	Marshville		36	Stanton		
		17	Minnesota Jct		38	Tainter		
		20	Richwood		40	Tiffany		
		17	Rolling Prairie		42	Weston		
		10	Woodland		42 44	Wilson		
		10	vvoodiand		44	VVIISOTI		
		15 DC					U CLA	
	Townships		Cities & Villages			Townships		Cities & Villages
02	Baileys Harbor	121	Ephraim (V)		02	Bridge Creek	201	Altoona (C)
04	Brussels	127	Forestville (V)		04	Brunswick	202	Augusta (C)
06	Clay Banks	181	Sister Bay (V)		06	Clear Creek	221	Eau Claire (C)
80	Egg Harbor	281	Sturgeon Bay (C)		80	Drammen	126	Fairchild (V)
10	Forestville	118	Egg Harbor (V)		10	Fairchild	127	Fall Creek (V)
12	Gardner				12	Lincoln		
14	Gibraltar	U	Inincorporated Villages		14	Ludington	Unir	ncorporated Villages
16	Jacksonport	14	Detroit Harbor		16	Otter Creek	03	Allen
18	Liberty Grove	09	Ellison Bay		18	Pleasant Valley	03	Foster
20	Nasewaupee	07	Fish Creek		20	Seymour		
22	Sevastopol .	80	Jacksonport-Sturgeon		22	Union		
	•		Bay		24	Washington		
24	Sturgeon Bay	05	Mapelwood		26	Wilson		
26	Union	53	Sawyer-Sturgeon Bay					
28	Washington	14	Washington Island			19 FI	OREN	CF
	rraomington	04	Carlsville			Townships		corporated Villages
		•	3 3		02	Aurora		Spread Eagle
	16	DOUG	ILAS		04	Commonwealth		op.ouu _ug.o
	Townships		Cities & Villages		06	Fence		
02	Amnicon	146	Lake Nebagamon (V)	_	08	Fern		
04	Bennett	165	Oliver (V)		10	Florence		
06	Brule	171	Poplar (V)		12	Homestead		
08	Cloverland	181	Solon Springs (V)		14	Long Lake		
10	Dairyland	281	Superior (C)		16	Tipler		
12	Gordon	182			10	Tipiei		
		102	Superior Village (V)					
14 16	Hawthorne	1.1.	sincorporated \fill====					
16	Highland		nincorporated Villages	_				
18	Lakeside	55	Allouez					
20	Maple	14	Amnicon Lake					
22	Oakland	55	Billings Park					
24	Parkland	10	Blueberry					
26	Solon Springs	55	East End					

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20 FOND DU LAC						
Townships	(Cities & Villages				
Alto	106	Brandon (V)				
Ashford	111	Campbellsport (V)				
Auburn	121	Eden (V)				
Byron	126	Fair Water (V)				
Calumet	226	Fond du Lac (C)				
Eden	151	Mt. Calvary				
Eldorado	161	N. Fond du Lac (V)				
Empire	165	Oakfield (V)				
Fond du Lac	276	Ripon (C)				
Forest	176	Rosendale (V)				
Friendship	181	St. Cloud (V)				
Lamartine	142	Kewauskum (V)				
Marshfield	292	Waupun (C)				
Metomen						
Oakfield	Unir	ncorporated Villages				
Osceola	13	Calvary				
Ripon	04	Hamilton				
Rosendale	20	Malone				
Springvale	15	Oak Center				
Taycheedah	20	Peebles				
Waupun	04	S. Byron				
	11	Van Dyne				
	Townships Alto Ashford Auburn Byron Calumet Eden Eldorado Empire Fond du Lac Forest Friendship Lamartine Marshfield Metomen Oakfield Osceola Ripon Rosendale Springvale Taycheedah	Townships Alto 106 Ashford 111 Auburn 121 Byron 126 Calumet 226 Eden 151 Eldorado 161 Empire 165 Fond du Lac 276 Friendship 181 Lamartine 142 Metomen Oakfield Osceola 13 Ripon 04 Rosendale 20 Springvale 15 Taycheedah 20 Waupun 04				

21 FOREST

	Townships	0.1.20	Cities & Villages
02	Alvin	211	Crandon (C)
04	Argonne		
06	Armstrong Creek	Unir	ncorporated Villages
80	Blackwell	02	Argonne
10	Caswell	14	Carter
12	Crandon	05	Cavour
14	Freedom	80	Hiles
16	Hiles	11	Jones Spur
18	Laona	11	Mole Lake
20	Lincoln	11	Nashville
22	Nashville	01	Nelma
24	Popple River	13	Newald
26	Ross	14	Padus
28	Wabeno	10	Planets
		14	Soperton
		10	Keith

	22 GRANT							
	Townships	(Cities & Villages					
02	Beetown	106	Bagley (V)					
04	Bloomington	107	Bloomington (V)					
06	Boscobel	108	Blue River (V)					
80	Cassville	206	Boscobel (C)					
10	Castle Rock	111	Cassville (V)					
12	Clifton	211	Cuba City (C)					
14	Ellenboro	116	Dickeyville (V)					
16	Fennimore	226	Fennimore (C)					
18	Glen Haven	136	Hazel Green (V)					
20	Harrison	246	Lancaster (C)					
22	Hazel Green	147	Livingston (V)					
24	Hickory Grove	151	Montfort (V)					
26	Jamestown	152	Mt. Hope (V)					
28	Liberty	153	Muscoda (V)					
30	Lima	171	Patch Grove (V)					
32	Little Grant	271	Platteville (C)					
34	Marion	172	Potosi (V)					
36	Millville	186	Tennyson (V)					
38	Mt. Hope	191	Woodman (V)					
40	Mt. Ida							
42	Muscoda	Unin	corporated Villages					

44	North Lancaster	27	Georgetown
46	Paris	13	Kieler
48	Patch Grove	13	Louisburg
50	Platteville	11	Sinsinawa
52	Potosi	14	Stitzer
54	Smelser	20	Werley
56	South Lancaster		
58	Waterloo		
60	Watterstown		
62	Wingville		
64	Woodman		
66	Wyalusing		

23 GREEN

Townships	(Cities & Villages
Adams	101	Albany (V)
Albany	206	Brodhead (C)
Brooklyn	106	Brooklyn (V)
Cadiz	110	Browntown (V)
Clarno	251	Monroe (C)
Decatur	151	Monticello (V)
Exeter	161	New Glarus (V)
Jefferson		
Jordan	Unir	ncorporated Villages
Monroe	05	Clarno
Mt. Pleasant	08	Juda
New Glarus	04	Martintown
Spring Grove		
Sylvester		
Washington		
York		
	Adams Albany Brooklyn Cadiz Clarno Decatur Exeter Jefferson Jordan Monroe Mt. Pleasant New Glarus Spring Grove Sylvester Washington	Adams 101 Albany 206 Brooklyn 106 Cadiz 110 Clarno 251 Decatur 151 Exeter 161 Jefferson Jordan Unir Monroe 05 Mt. Pleasant 08 New Glarus 04 Spring Grove Sylvester Washington

24 GREEN LAKE

	Townships		Cities & Villages		
02	Berlin	206	Berlin (C)		
04	Brooklyn	231	Green Lake (C)		
06	Green Lake	141	Kingston (V)		
80	Kingston	251	Markesan (C)		
10	Mackford	154	Marquette (V)		
12	Manchester	271	Princeton (C)		
14	Marquette		` ,		
16	Princeton	Unir	ncorporated Villages		
18	St. Marie	04	Dalton		
20	Seneca				

25 IOWA							
	Townships Cities & Villages						
02	Arena	101	Arena (V)				
04	Brigham	102	Avoca (V)				
06	Clyde	106	Barnevald (V)				
80	Dodgeville	108	Blanchardville (V)				
10	Eden	111	Cobb (V)				
12	Highland	216	Dodgeville (C)				
14	Landen	136	Highland (V)				
16	Mifflin	137	Hollandale (V)				
18	Mineral Point	146	Linden (V)				
20	Moscow	147	Livingston (V)				
22	Pulaski		Also in Grant Co.				
24	Ridgeway	251	Mineral Point (C)				
26	Waldwick	151	Montfort				
28	Wyoming	176	Rewey (V)				
		177	Ridgeway (V)				
		153	Muscoda (V)				
			Also in Grant Co.				
		Unin	corporated Villages				
		07	Edmund				
		13	Jonesdale				

02 04 06 08 10 12 14 16 18 20	Townships Anderson Carey Gurney Kimball Knight Mercer Oma Pence Saxon Sherman	Cities & Villages 236 Hurley (C) 251 Montreal (C) Unincorporated Villages 03 Cedar 04 Defer 08 Gile 05 Iron Belt 06 Manitowish 10 Powell 07 Sandrock 10 Springstead 01 Upson 07 Van Buskirk	06 08 10 12 14 16 18 20 22 24 26 28 30 32 34	Cutler Finley Fountain Germantown Kildare Kingston Lemonweir Lindina Lisbon Lyndon Marion Necedah Orange Plymouth Seven Mile Creek Summit Wonewoc	136 146 251 161 261 186 291 191 Uni 14 04 08 08 14	Hustler (V) Lyndon Station (V) Mauston (C) Necedah (V) New Lisbon (C) Union Center (V) Wisconsin Dells (C) Wonewoc (V) ncorporated Villages Cloverdale Finley Mather Meadow Valley Sprague
	Townships	Cities & Villages		30 K	ENOS	HA
02	Adams	101 Alma Center (V)		Townships		Cities & Villages
04	Albion	206 Black River Falls (C)	02	Brighton	241	Kenosha (C)
06	Alma	136 Hixton (V)	04	Bristol	131	Genoa City (V)
08	Bear Bluff	151 Melrose (V)	06	Paris	171	Paddock Lake (V)
10	Brockway	152 Merrillan (V)	10	Pleasant Prairie	174	Pleasant Prairie (V)
12	City Point	186 Taylor (V)	12	Randall	181	Silver Lake (V)
14	Cleveland	100 (4)	14	Salem	186	Twin Lakes (V)
16	Curran	Unincorporated Villages	16	Somers		
18	Franklin	01 Disco		Comoro	Un	incorporated Villages
20	Garden Valley	05 Pray			05	Bassett
22	Garfield	11 Sechlerville			06	Benet Lake
24	Garfield	11 Geomet vine			06	Camp Lake
26	Irving				05	Cross Lake
28	Knapp				05	Crow Lake
30	Komensky				06	Fox River
32	Manchester				08	New Munster
34	Melrose				05	Powers Lake
36	Millston				05	Richmond, III
38	North Bend				08	Slades Corners
40	Northfield				06	Trevor
40 42					04	Truesdell
42	Springfield				06	Wilmot
	20.1	FFFFRON			00	Woodworth
		EFFERSON			02	Woodworth
-00	Townships	Cities & Villages		24 KI	EWAUN	JEE
02	Aztalan	111 Cambridge (V)		Townships	EVVAU	Cities & Villages
04	Cold Spring	226 Ft. Atkinson (C)	-00		444	Ŭ
06	Concord	241 Jefferson (C)	02 04	Ahnapee Carlton	111 146	Casco (V)
08	Farmington	141 Johnson Creek (V)	06	Canton	201	Luxemburg (V)
10	Hebron	146 Lac LaBelle (V)				Algoma (C)
12	Ixonia	246 Lake Mills (C)	10 12	Franklin Lincoln	241	Kewaunee (C)
14	Jefferson	171 Palmyra (V)	14	Luxemburg		
16	Koshkonong	181 Sullivan (V)	16	Montpelier		
18	Lake Mills	290 Waterloo (C)	18	Pierce		
20	Milford	291 Watertown (C)				
22	Oakland	292 Whitewater (C)	20	Red River		
24	Palmyra	Uningernanta d V/III		2014	CBCC	CE.
26	Sullivan	Unincorporated Villages			CROS	
28	Sumner	07 Helenville	-00	Townships		Cities & Villages
30	Waterloo	10 Hubbleton	02	Bangor	106	Bangor (V)
32	Watertown	01 Jefferson Jct	04	Barre	136	Holmen (V)
		13 Oak Hill	06	Burns	246	La Crosse (C)
		13 Rome	08	Campbell	265	Onalaska (C)
			10	Farmington	176	Rockland (V)
		29 JUNEAU	12	Greenfield	191	West Salem (V)
	Townships	Cities & Villages	14	Hamilton		
02	Armenia	111 Camp Douglas (V)	16	Holland		ncorporated Villages
04	Clearfield	221 Elroy (C)	18	Medary	09	Midway

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20	Onalaska		05	Mindoro		36 MAN		
22 24	Shelby				-00	Townships		Cities & Villages
24	Washington				02	Cato	112	Cleveland (V)
		22 AE	AVET	TE	04	Centerville	126	Francis Creek (V)
		33 LAF	AICI		06	Cooperstown	241	Kiel (C)
20	Townships		101	Cities & Villages	08	Eaton	251	Manitowoc (C)
02	Argyle		101	0, ()	10	Franklin	151	Mishicot (V)
)4	Belmont		106		12	Gibson	176	Reedsville (V)
06	Benton		107	` ,	14	Kossuth	181	St. Nazianz (V)
08	Blanchard		108		16	Liberty	286	Two Rivers (C)
10	Darlington		211		18	Manitowoc	186	Valders (V)
12	Elk Grove		216		20	Manitowoc Rapids	191	Whitelaw (V)
14	Fayette		131		22	Maple Grove	147	Maribel (V)
16	Gratiot		281		24	Meeme	132	Kellnersville (V)
18	Kendall		181		26	Mishicot		
20	Lamont		136	Hazel Green (C)	28	Newton		ncorporated Villages
22	Monticello				30	Rockland	10	Branch
24	New Digging	js		incorporated Villages	32	Schleswig	15	Collins
26	Seymour		17	Calamine	34	Two Creeks	01	Grimms
28	Shullsburg		14	Dunbarton	36	Two Rivers	02	Hika
30	Wayne		12	Leadmine			15	Quarry
32	White Oak S		02	Leslie			13	Tisch Mills
34 36	Willow Sprin Wiota	gs	18	Woodford		37 MAF	АТЦО	N
50	vviota					Townships		Cities & Villages
	34	LANGL	ADE		02	Bergen	201	Abbotsford (C)
-	Townships	1	Cities	& Villages	04	Berlin	102	Athens (V)
)2	Ackley	201	Anti	go (C)	06	Bern	104	Birnamwood (V)
)4	Ainsworth	191	Whi	te Lake (V)	08	Bevent	106	Brokaw (V)
)6	Antigo				10	Frighton	211	Colby (C)
8(Elcho	Unir	corpo	rated Villages	12	Cassel	116	Dorchester (V)
10	Evergreen	12	Brya	ant	14	Cleveland	121	Edgar (V)
12	Langlade	07	Dee	rbrook	16	Day	122	Elderon (V)
14	Neva	05	Elto		18	Easton	126	Fenwood (V)
16	Norwood	17	Holl	ister	20	Eau Pleine	136	Hatley (V) ´
18	Parrish	07		npster	22	Elderon	145	Kronewetter (V)
20	Peck	06	Lily	•	24	Emmett	151	Marathon City (V)
22	Polar	17	Mar	kton	26	Frankfort	250	Marshfield (C)
24	Price	02		rson	28	Franzen	251	Mosinee (C)
26	Rolling	08	Phlo		30	Green Valley	176	Rothschild (V)
28	Summit	06	Pick		32	Guenther	281	Schofield (C)
80	Upham	15		nmit Lake	34	Halsey	181	Spencer (V)
32	Vilas	. •			36	Hamburg	182	Stratford (V)
34	Wolf River				38	Harrison	186	Unity (V)
•					40	Hewitt	291	Wausau (C)
	35	LINC	OI N		42	Holton	192	Weston (V)
-	Townships			& Villages	44	Hull	.02	
	Birch	251		rill (C)	46	Johnson	Unir	ncorporated Villages
)2	Rirch				4()			

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Maine

Norrie

Plover Reid

Ringle Spencer Stettin

Texas

Wausau Weston Wien

Rib Falls Rib Mountain Rietbrock

	35	LINC)LN
	Townships	(Cities & Villages
02	Birch	251	Merrill (C)
04	Bradley	286	Tomahawk (C)
06	Corning		
80	Harding	Unir	corporated Villages_
10	Harrison	10	119 Bloomville
12	King	11	Doering
14	Merrill	10	Gleason
16	Pine River	01	Irma
18	Rock Falls	05	Jeffris
20	Russell	15	Spirit Falls
22	Schley	02	Heafford Jct
24	Scott		
26	Skanawan		
28	Somo		
30	Tomahawk		
32	Wilson		

291	Wausau (C)
192	Weston (V)
	()
Unir	ncorporated Villages
23	Corinth
24	Dancy
14	Galloway
39	Granite Heights
23	Milan
12	Moon
02	Naugart
80	Rozellville

38 MARINETTE

	Townships	(Cities & Villages
02	Amberg	111	Coleman (V)
04	Athelstane	251	Marinette (C)
06	Beaver	261	Niagara (V)
80	Beecher	271	Peshtigo (C)
10	Dunbar	171	Pound (V)
12	Goodman	191	Wausaukee (V)
14	Grover	121	Crivitz (V)
16	Lake		
18	Middle Inlet	Unir	ncorporated Villages
20	Niagara	01	189 Cedarville
22	Pembine	02	Intervale
24	Peshtigo	80	Loomis
26	Porterfield	17	Mc Allister
28	Pound	01	Marek
30	Silver Cliff	13	Walsh
32	Stephenson		
34	Wagner		
36	Wausaukee		

39 MARQUETTE

	•••		
	Townships		Cities & Villages
02	Buffalo	121	Endeavor (V)
04	Crystal Lake	251	Montello (C)
06	Douglas	161	Neshkoro (V)
80	Harris	165	Oxford (V)
10	Mecan	191	Westfield (V)
12	Montello		
14	Moundville	Unii	ncorporated Villages
16	Neshkoro	03	Briggsville
18	Newton	06	Glen Oak
20	Oxford		
22	Packwaukee		
24	Shields		
26	Springfield		
28	Westfield		

73 MENOMONEE
Indian Reservation Township of Menomonee County of Menomonee

Unincorporated Villages w/Post Offices

- 01 Keshena 01 Neopit

40 MILWAUKEE

	40 141	ILVVAC	
U	nincorp.Villages		Cities & Villages
57	Alois	106	Bayside (V)
57	Bay View	107	Brown Deer (V)
67	Carrollville	211	Cudahy (C)
57	Granville	126	Fox Point (V)
57	North Milwaukee	226	Franklin (C)
67	Oakwood	231	Glendale (C)
68	Saint Martins	131	Greendale (V)
56	Silverdale	236	Greenfield (C)
57	Tippecanoe	136	Hales Corners (V)
57	Wood	251	Milwaukee (C)
		265	Oak Creek (C)
		176	River Hills (V)
		281	Saint Francis (C)
		181	Shorewood (V)
		281	South Milwaukee (C)
		291	Wauwatosa (C)
		292	West Allis (C)
		191	West Milwaukee (V)
		192	Whitefish Bay (V)
			- , ,

41 MONROE

	Townships	(Cities & Villages
02	Adrian	111	Cashton (V)
04	Angelo	141	Kendall (V)
06	Byron	151	Melvina (V)
80	Clifton	161	Norwalk (V)
10	Glendale	165	Oakdale (V)
12	Grant	281	Sparta (C)
14	Greenfield	286	Tomah (C)
16	Jefferson	191	Wilton (V)
18	La Fayette	192	Wyeville (V)
20	La Grange	185	Warrens (V)
22	Leon		
24	Lincoln	Unin	corporated Villages
26	Little Falls	02	Camp Mc Coy
28	New Lyme	13	Cataract
30	Oakdale	03	Shennington
32	Portland	02	Sparta Military
34	Ridgeville	07	Tunnel City
36	Scott	03	Valley Jct
38	Sheldon		
40	Sparta		
42	Tomah		
44	Wellington		
46	Wells		
48	Wilton		
		42 റററ	NII()

	42	OCONT	О
	Townships	(Cities & Villages
02	Abrams	231	Gillett (C)
06	Armstruck	146	Lena (V)
80	Bagley	265	Oconto (C)
10	Brazeau	266	Oconto Falls (C)
12	Breed	171	Pulaski (V)
14	Chase	181	Suring (V)
16	Doty		
18	Gillett	Unin	corporated Villages
19	How	23	Lakewood
20	Lakewood	80	229 Mosling
22	Lena	02	Mountain
24	Little River	12	Sobieski
26	Little Suamico		
28	Maple Valley		
29	Morgan		
30	Oconto		
32	Oconto Falls		
34	Pensaukee		
36	Riverview		
38	Spruce		
40	Stiles		
42	Townsend		
44	Underhill		
		2 ONEI	.

43 ONFIDA

	43 ()NEIU/	A
	Townships	(Cities & Villages
02	Cassian	276	Rhinelander (C)
04	Crescent		
06	Enterprise	Unir	ncorporated Villages
80	Hazelhurst	17	Clearwater Lake
10	Lake Tomahawk	12	Gagen
12	Little Rice	01	Harshaw
14	Lynne	10	McNaughton
16	Minocqua	14	Pelican Lake
18	Monico	16	Robbins
20	Newbold	15	Roosevelt
22	Nokomis	15	Starks

24	Pelican	07	Tripoli	,	18	Martell		
26	Piehl	01	Проп		20	Oak Grove	Uni	ncorporated Villages
28	Pine Lake				22	River Falls	16	Beldenville
30	Schoepke				24	Rock Elm	02	Diamond Bluff
32	Stella				26	Salem	15	Hager City
34	Sugar Camp			2	28	Spring Lake	09	Martell
36	Three Lakes				30	Trenton		
38	Woodboro				32	Trimbelle		
40	Woodruff			3	34	Union		
	44.0	UTAG	AMIE			,	48 POLI	<i>(</i>
	Townships		Cities & Villages			Townships	40 F OLI	Cities & Villages
02	Black Creek	201	Appleton (C)		02	Alden	201	Amery (C)
04	Bovina	106	Bear Creek (V)	(04	Apple River	106	
06	Buchanan	107	Black Creek (V)		06	Balsam Lake	111	Centura (C)
08	Center	111	Combined Locks (V)		80	Beaver	112	
10	Cicero	136	Hortonville (V)		10	Black Brook	113	
12 14	Dale Deer Creek	137 241	Howard (V)		12	Bone Lake	116	• ,
16	Ellington	141	Kaukauna (C) Kimberly (V)		14 16	Clam Falls Clayton	126 146	
18	Freedom	146	Little Chute (V)		18	Clear Lake	151	Milltown (V)
20	Grand Chute	261	New London (C)		20	Eureka	165	
22	Grenville	155	Nichols (V)		22	Farmington	281	St. Croix Falls (C)
24	Hortonia	281	Seymour (C)		24	Garfield	168	
26	Kaukauna	181	Shiocton (V)	2	26	Georgetown		Also in Barron Co.
28	Liberty	191	Wrightstown (V)		28	Johnstown		ncorporated Villages
30	Maine				30	Laketown	14	Andrus
32	Maple Creek		ncorporated Villages		32	Lincoln	23	Cushing
34 36	Oneida	06 16	Medina Sugar Bush		34	Lorain	16	Deronda
38	Osborne Seymour	16	Sugar Bush		36 38	Luck Mc Kinley	23 08	Evergreen Joel
40	Vandenbrock				40	Milltown	07	Lewis
10	Variadribrook				1 2	Osceola	19	Lorain
	45	OZAU	KEE		14	St. Croix Falls		Nye
	Townships		Cities & Villages		46	Sterling	12	Wanderoos
02	Belgium	105			48	West Sweden	10	Wolfcreek
04	Cedarburg	106						
06	Fredonia	211					PORTA	
08 12	Grafton	126 131				Townships		Cities & Villages
14	Pt. Washington Saukville	255			02 04	Alban Almond	101 102	Almond (V) Amherst (V)
1-7	Gaukvilic	271			0 4 06	Amherst		Amherst Jct (V)
Ur	nincorp. Villages	181			38	Belmont	141	Junction City (V)
03	Waubeka	186			10	Buena Vista	151	Milladore (V)
		161		•	12	Carson	161	Nelsonville (V)
					14	Dewey	171	Park Ridge (V)
_		PEPIN			16	Eau Pleine	176	Rosholt (V)
	Townships		ties & Villages		18	Grant	281	Stevens Point (C)
02			Ourand (C)		20 22	Hull Lanark	191 173	Whiting (V)
04 06			Pepin (V) Stockholm (V)		22 24	Linwood	173	Plover (V)
08	Lima	01 0	otockilolili (v)		26	New Hope	Uning	corporated Villages
10	Pepin	Uninc	orporated Villages		28	Pine Grove	17	Arnott
12			Arkansaw		30	Plover	14	Bancroft
14	Waterville			3	32	Sharon	05	Coddington
16	Waubeek			3	34	Stockton	17	Custer
							16	Polonia
		PIER				5	0 PRIC	=
02	Townships Clifton	106	Cities & Villages Bay City (V)	-	7	ownships		⊏ Cities & Villages
02 04	Diamond Bluff	121	Ellsworth (V)			Catawba	111	Catawba (V)
06	Ellsworth	122	Elmwood (V)		04	Eisenstein	141	Kennan (V)
08	El Paso	151	Maiden Rock (V)		06	Elk	271	Park Falls (C)
10	Gilman	171	Plum City (V)	(80	Emery	272	Phillips (C)
12	Hartland	271	Prescott (C)		10	Fifield	171	Prentice (V)
14	Isabelle	276	River Falls (C)		12	Flambeau		
16	Maiden Rock	181	Spring Valley (V)	•	14	Georgetown _	Unine	corporated Villages

16 Hackett 12 Brantwood 38 Turtle 12 18 Harmony 04 Dover 40 Union 20 Hill 13 Kaiser 22 Kennan 13 Kennedy 54 RU 24 Knox 06 Lugerville Townships 26 Lake 02 Atlanta 10 28 Ogema 04 Big Bend 11 30 Prentice 06 Big Falls 13	Cainville
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26 Lake 02 Atlanta 10 28 Ogema 04 Big Bend 11	Cities & Villages
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32 Spirit 08 Cedar Rapids 13	
34 Worcester 10 Dewey 14	
12 Flambeau 24	• ,
51 RACINE 14 Grant 18	
Townships Cities & Villages 16 Grow 18	
02 Burlington 206 Burlington (C) 18 Hawkins 19	
04 Caledonia 104 Caledonia (V) 20 Hubbard	, , ,
	Inincorporated Villages
08 Mt. Pleasant 151 Mt Pleasant (V) 24 Marshall 02	
10 Norway 161 North Bay (V) 26 Murry 10	
12 Raymond 276 Racine (C) 28 Richland 17	
14 Rochester 176 Rochester (V) 30 Rusk 02	
16 Waterford 181 Sturtevant (V) 32 South Forks 17	
18 Yorkville 186 Union Grove (V) 34 Strickland 11	
191 Waterford (V) 36 Stubbs	· • • • • • • • • • • • • • • • • • • •
Unincorp. Villages 192 Wind Point (V) 38 Thornapple	
02 Franksville 40 True	
03 Kansasville 42 Washington	
05 Wind Lake 44 Wilkinson	
46 Willard	
52 RICHLAND 48 Wilson	
Townships Cities & Villages	
02 Akan 106 Boaz (V) 55 ST. 0	CROIX
04 Bloom 11 Cazenovia (V) Townships	Cities & Villages
	06 Baldwin (V)
	16 Deer Park (V)
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24	La Valle	276	Reedsburg (C)
26	Merrimac	176	Rock Springs (V)
28	Prairie du Sac	181	Sauk City (V)
30	Reedsburg	182	Spring Green (V)
32	Spring Green	191	West Baraboo (V)
34	Sumpter	291	Wis Dells (C)
36	Troy		
38	Washington	Unir	corporated Villages
40	Westfield	17	Badger
42	Winfield	01	Devils Lake
44	Woodland	19	Hillpoint
		04	Mirror Lake

57 SAWYER

37 OAWIEK			
	Townships Cities & Villages		
02	Bass Lake	111	Corderay (V)
04	Couderay	121	Exeland (V)
06	Draper	236	Hayward (C)
80	Edgewater	176	Radisson (V)
10	Hayward	190	Winter (V)
12	Hunter		
14	Lenroot	Unin	corporated Villages
16	Meadow Rock	14	Hauer
18	Meteor	02	Lemington
20	Ojibwa	03	Loretta
22	Radisson	03	Oxbow
24	Round Lake	14	Reserve
26	Sand Lake	14	Stone Lake
28	Spider Lake	16	Weirgor
30	Weirgor	04	Wooddale
32	Winter	04	Yarnell

58 SHAWANO

	Townships	(Cities & Villages
02	Almon	101	Aniwa (V)
04	Angelica	106	Birnamwood (V)
06	Aniwa	107	Bonduel (V)
80	Bartelme	108	Bowler (V)
10	Belle Plaine	111	Cecil (V)
12	Birnamwood	121	Eland (V)
14	Fairbanks	131	Gresham (V)
16	Germania	282	Marion (C)
18	Grant	151	Mattoon (V)
20	Green Valley	171	Pulaski (V)
22	Hartland	281	Shawano (C)
24	Herman	186	Tigerton (V)
26	Hutchins	191	Wittenberg (V)
28	Lessor		
30	Maple Grove	Unin	corporated Villages
32	Morris	09	Caroline
34	Navarino	09	Hunting
36	Pella	02	Krakow
38	Red Springs	12	Leopolis
40	Richmond	12	Lyndhurst
42	Seneca	10	Pulcifer
44	Washington	20	Red River
46	Waukechon	01	Shepley
48	Wescott	07	Split Rock
50	Wittenberg	20	Thornton
52	Stockbridge	21	Tilleda
		02	Zachow

59 SHEBOYGAN

	Cities & Villages
101	Adell (V)
111	Cascade (V)
112	Cedar Grove (V)
121	Elkhart Lake (V)
131	Glenbeulah (V)
135	Howards Grove (V)
141	Kohler (V)
165	Oostburg (V)
271	Plymouth (C)
176	Random Lake (V)
281	Sheboygan (C)
282	Sheboygan Falls (C)
alls 191	Waldo (V)
Un	incorporated Villages
07	Haven
04	Hingham
	111 112 121 131 135 141 165 271 176 281 282 alls 191 Un

60 TAYLOR

Townships		C	cities & Villages
02	Aurora	131	Gilman (V)
04	Browning	146	Lublin (V)
06	Chelsea	251	Medford (C)
80	Cleveland	176	Rib Lake (V)
10	Deer Creek	181	Stetsonville (V)
12	Ford		
14	Goodrich	Uning	corporated Villages
16	Greenwood	18	Donald
18	Hammel	04	Hannibal
20	Holway	80	Interwald
22	Jump River	09	Perkinstown
24	Little Black	06	Polley
26	Mc Kinley	03	Whittlesey
28	Maplehurst		
30	McKinley		
32	Medford		
34	Molitor		
36	Pershing		
38	Rib Lake		
40	Roosevelt		
42	Taft		
44	Westboro		

61 TREMPEALEAU

OI IILLIIII LALLAO				
	Townships	(Cities & Villages	
02	Albion	201	Arcadia (C)	
04	Arcadia	206	Blair (C)	
06	Burnside	121	Eleva (V)	
80	Caledonia	122	Ettrick (V)	
10	Chimney Rock	231	Galesville (C)	
12	Dodge	241	Independence (C)	
14	Ettrick	265	Osseo (C)	
16	Gale	173	Pigeon Falls (V)	
18	Hale	181	Strum (V)	
20	Lincoln	186	Trempealeau (V)	
22	Pigeon	291	Whitehall (C)	
24	Preston		, ,	
26	Sumner	Unin	corporated Villages	
28	Trempealeau	14	Centerville	
30	Unity			
	•			

62 VERNON				
	Townships		Cities & Villages	
02	Bergen	111	Chaseburg (V)	
04	Christiana	112	Coon Valley (V)	
06	Clinton	116	De Soto (V)	
80	Coon	131	Genoa (V)	
10	Forest	236	Hillsboro (C)	
12	Franklin	146	La Farge (V)	
14	Genoa	165	Ontario (V)	
16	Greenwood	176	Readstown (V)	
18	Hamburg	181	Stoddard (V)	
20	Harmony	186	Viola (V)	
22	Hillsboro	286	Viroqua (C)	
24	Jefferson	291	Westby (C)	
26	Kickapoo			
28	Liberty	Unii	ncorporated Villages	
30	Stark	05	Mt. Tabor	
32	Sterling	21	Rockton	
34	Union	05	Valley	
36	Viroqua	20	Victory	
38	Webster	16	West Prairie	
40	Wheatland			
42	Whitestown			

65 WASHBURN

	Townships	(Cities & Villages
02	Barronett	106	Birchwood (V)
04	Bashaw	151	Minong (V)
06	Bass Lake	282	Shell Lake (C)
80	Beaver Brook	281	Spooner (C)
10	Birchwood		
12	Brooklyn	Unin	corporated Villages
14	Casey	18	Earl
16	Chicog	06	Lampson
18	Crystal		
20	Evergreen		
22	Frog Creek		
24	Gull Lake		
26	Long Lake		
28	Madge		
30	Minong		
32	Sarona		
34	Spooner		
36	Spring Brook		
38	Stinnett		
40	Stone Lake		
42	Trego		

63 VILAS

03 VILAG			
	Townships		Cities & Villages
02	Arbor Vitae	221	Eagle River (C)
04	Boulder Junction		
06	Cloverland	Unir	ncorporated Villages
80	Conover	12	Knudson
10	Lac Du Flambeau	05	Lac Du Flambeau
12	Lincoln	12	Land O'Lakes
14	Phelps	14	Mishike
16	Plum Lake	09	Presque Lake
18	Presque Isle	05	Rest lake
20	St. Germain	10	St. Germain
22	Manitowish Waters	80	Sayner
24	Land O'Lakes	80	Starlake
26	Washington	01	Trout Lake
28	Winchester	09	Winegar

66 WASHINGTON

66 WASHINGTON					
Townships Cities & Villages					
02	Addison	131	Germantown (V)		
04	Barton	236	Hartford (C)		
06	Erin	141	Jackson (V)		
80	Farmington	142	Kewaskum (V)		
10	Germantown	251	Milwaukee (C)		
12	Hartford	181	Slinger (V)		
14	Jackson	291	West Bend (C)		
16	Kewaskum	161	Newburg (V)		
18	Polk				
20	Richfield	Unin	corporated Villages		
22	Trenton	01	Aurora		
24	Wayne	01	Allenton		
26	West Bend	10	Colgate		
		10	Hubertus		
		05	Rockfield		

64 WALWORTH

	Townships	(Cities & Villages
02	Bloomfield	206	Burlington (C)
		116	Darien (V)
04	Darien	216	Delavan (C)
06	Delavan	121	East Troy (V)
80	East Troy	221	Elkhorn (C)
10	Geneva	126	Fontana (V)
12	La Fayette	131	Genoa City (V)
14	La Grange	246	Lake Geneva (C)
16	Linn	153	Mukwonago (V)
18	Lyons	181	Sharon (V)
20	Richmond	191	Walworth (V)
22	Sharon	291	Whitewater (C)
24	Spring Prairie	192	Williams Bay (V)
26	Sugar Creek		
28	Troy	Unin	corporated Villages_
30	Walworth	02	119 Allen Grove
32	Whitewater	15	College Camp
		12	Honey Creek
		04	Lake Beulah
		01	Pell Lake
		09	Springfield
		14	Troy Center
		80	Zenda

67 WAUKESHA			
	Townships		Cities & Villages
02	Brookfield	106	Big Bend (V)
04	Delafield	206	Brookfield (C)
06	Eagle	107	Butler (V)
80	Genesee	111	Chenequa (V)
10	Lisbon	216	Delafield (C)
14	Merton	116	Dousman (V)
16	Mukwonago	121	Eagle (V)
22	Oconomowoc	122	Elm Grove (V)
24	Ottawa	136	Hartland (V)
28	Summit	146	Lac La Belle (V)
30	Vernon	147	Lannon (V)
32	Waukesha	151	Menomonee Falls (V)
		152	Merton (V)
	nincorp. Villages	250	Milwaukee (C)
13	Duplainville	251	Muskego (C)
04	Genesee Depot	153	Mukwonago (V)
07	North Lake	158	Nashotah (V)
11	Okauchee	261	New Berlin (C)
02	Statesan	161	North Prairie (V)
05	Templeton	265	Oconomowoc (C)
		166	Oconomowoc Lake (V)
		171	Pewaukee (V)
		270	Pewaukee (C)

181	Sussex (V)
191	Wales (V)
291	Waukesha (C)

68 WAUPACA

	Townships	(Cities & Villages
02	Bear Creek	106	Big Falls (V)
04	Caledonia	211	Clintonville (C)
06	Dayton	121	Embarrass (V)
80	Dupont	126	Fremont (V)
10	Farmington	141	Iola (V)
12	Fremont	251	Manawa (C)
14	Harrison	252	Marion (C)
16	Helvetia	261	New London (C)
18	Iola	165	Ogdensburg (V)
20	Larrabee	181	Scandinavia (V)
22	Lebanon	291	Waupaca (C)
24	Lind	292	Weyauwega (C)
26	Little Wolf		
28	Matteson	Unin	corporated Villages
30	Mukwa	05	King
32	Royalton	07	Northland
36	Scandinavia	15	Northport
38	Union	02	Readfield
40	Waupaca	05	Sheridan
42	Weyauwega	19	Symco
44	Wyoming		-

69 WAUSHARA

69 WAUSHARA				
	Townships	(Cities & Villages	
02	Aurora	111	Coloma (V)	
04	Bloomfield	136	Hancock (V)	
06	Coloma	146	Lohrville (V)	
80	Dakota	171	Plainfield (V)	
10	Deerfield	191	Redgranite (V)	
12	Hancock	291	Wautoma (C)	
14	Leon	191	Wild Rose (V)	
16	Marion			
18	Mt. Morris	Unin	corporated Villages	
20	Oasis	01	Auroraville	
22	Plainfield	07	Pine River	
24	Poy Sippi	02	W. Bloomfield	
26	Richford			
28	Rose			
30	Saxeville			
32	Springwater			
34	Warren			
36	Wautoma			

70 WINNEBAGO

	Townships Cities & Villages		Cities & Villages
02	Algoma	201	Appleton (C)
04	Black Wolf	251	Menasha (C)
06	Clayton	261	Neenah (C)
80	Menasha	265	Omro (C)
10	Neenah	266	Oshkosh (C)
12	Nekimi	191	Winneconne (V)
14	Nepeuskun		
16	Omro	Unincorporated Villages	
18	Oshkosh	13	Allenville
20	Poygan	15	Butte Des Morts
22	Rushford	11	Eureka
24	Utica	12	Fisk
26	Vinland	03	Larsen
28	Winchester	12	Pickett
30	Winneconne	07	Rush Lake
32	Wolf River	11	Waukau
		09	Winnebago

71 WOOD				
	Townships		Cities & Villages	
02	Arpin	101	Auburndale (V)	
04	Auburndale	106	Biron (V)	
06	Cameron	271	Pittsville (C)	
80	Cary	171	Port Edwards (V)	
10	Cranmoor	251	Marshfield (C)	
12	Dexter	151	Milladore (V)	
14	Grand Rapids	261	Nekoosa (C)	
16	Hansen	178	Rudolph (V)	
18	Hiles	186	Vesper (V)	
20	Lincoln	291	Wisconsin Rapids (C)	
22	Marshfield	122	\ /	
24	Milladore	100	Arpin (V)	
26	Port Edwards			
28	Remington	Ur	nincorporated Villages	
30	Richfield	14	Babcock	
32	Rock	12	Blenker	
34	Rudolph	06	Dexterville	
36	Saratoga	16	Lindsey	
38	Seneca			
40	Sherry			
42	Sigel			
44	Wood			

2-1-35 Size of Signs September 2010

PURPOSE

This subject provides general guidance on the sizes of signs to be used based on certain highway characteristics. This guideline does not apply to sizes for STOP signs. There is a separate guideline pertaining to the required sizes for STOP signs for roadways (TEOpS 2-2-5).

DEFINITIONS

For the purposes of this guideline, highways are grouped by certain characteristics into a defined highway facility:

<u>Freeways</u> are divided arterial highway facilities that have full control of access by means of grade separation at interchanges only.

<u>Expressways</u> are divided arterial highway facilities that have partial control of access, generally with grade separations at major intersections.

<u>Conventional highways</u> are either divided or undivided roadway facilities that have no control of access and no grade separations at intersections.

<u>2S</u> is the sign size designation of conventional highway signs for single-lane conventional highways or multilane conventional highways with a posted speed of 35mph or less.

<u>2M</u> is the sign size designation of regulatory and warning signs for multi-lane conventional highways with a posted speed of 40mph.

POLICY

This guideline establishes the standard sign size to be used for each defined highway facility. Signs larger than the standard size *may* be used selectively and with documentation of the specific situational reason for use of a sign larger than the standard. Whenever a sign smaller than the standard is used, the conditions such as space or visibility constraints *should* be documented and approved by the Regional traffic engineer. The designer **shall** work with the Region Traffic Section to determine the proper sign sizes:

- 1. Freeways and interstate highways, size 5 signs, regardless of the posted speed limit.
- 2. Expressways with posted speed limits of 65 mph, use size 5 signs. Expressways with posted speed limits of 60, 55, or 50 mph, use size 4 signs. Use size 2S signs for side road approaches or that when approaching a highway facility would require a larger sign size under this guideline, use the larger size.
- 3. On and off ramps for service interchanges, use size 2S signs. System interchange ramps, use size 5 signs.
- 4. Conventional highways with single lanes (all speeds) and multi-lane conventional highways with a posted speed of 35 mph or less, use size 2S signs. Size 2M signs may also be used, at the discretion of the Region, to upsize sign sizes on single lane conventional highways or multi-lane conventional highways with a posted speed of 35 mph or less.
- 5. Conventional multilane roadways, with a posted speed of 40 mph, use size 2M regulatory and warning signs.
- 6. Conventional multi-lane roadways, with a posted speed of 45 mph or greater, us size 3 signs. As an option, size 2M *may* be used for urban conventional multi-lane roadways with posted speeds of 45 mph if there are limiting physical factors that would not make size 3 signs feasible. Some of these limiting physical factors would include: narrow terrace or median widths, close driveway spacing and close intersection spacing.
- 7. Size 1 signs *may* be used on streets and highways which are neither state trunk highways, nor connecting highways when there is no more than one lane of traffic in each direction, and the posted speed limit is 30 mph or less.
- 8. Additional sign size criteria for bypasses are contained in TEOpS 2-15-53 (bypass Signing).

2-1-41 Jurisdictional Boundary Signs

January 2024

GENERAL

Communities *may* request informational signing to either identify their municipal boundaries or to promote/advertise their community. These types of signs are considered to be Jurisdictional Boundary signs and *may* take the form of three different types of signs:

- Welcome signs
- Enhanced political boundary signs
- Community population signs.

The community population signs and enhanced political boundary signs are considered a traffic sign and are allowed on the highway right-of-way. Per Wis. Stat. s. 86.19 (1n) and (1p), municipal and tribal nation welcome signs are not traffic control devices and are not subject to the provisions of the WisMUTCD. A municipality or tribal nation *may* erect and maintain within the right-of-way of any highway, a welcome sign as defined in s.84.30(2)(hm), within the boundaries of the municipality or Indian reservation or other land held in trust for the tribe or band. This policy provides guidance for working with these types of signing requests.

AUTHORITY

<u>Wis. Stat. s. 86.19</u> prohibits signs within the limits of any highway except as are necessary for the guidance or warning of traffic and certain other exceptions as provided in that section. This statute also requires the Department to prescribe regulations with respect to erection of signs on public highways.

The MUTCD Section <u>1A.01</u> states that advertising messages **shall not** appear on traffic control devices and Section <u>1A.10</u> states that the design, application and placement of traffic control devices, other than those adopted in the MUTCD are prohibited.

Therefore, the 2009 MUTCD and Wisconsin State Statute 86.19 have specific standards regarding the design and installation of such signing:

POLICY FOR COMMUNITY WELCOME SIGNS

Welcome signs are defined as an official sign that is erected and maintained by or for a local government within the boundaries of the municipality or tribal land to inform motorists of the territorial boundaries of the community.

The Highway Maintenance Manual 09-20-30 contains the formal detailed policy governing the permitting of Municipal or Tribal Nation Welcome Signs.

In summary, HMM 09-20-30 states:

- 1. Welcome signs along state highways *may* be permitted when located on or off the highway right-of-way. When off the right-of-way, the sign is considered an outdoor advertising sign and a permit is required under s. 84.30 and Trans 201.05.
- 2. Unpermitted welcome signs **should** be removed if conditions warrant that the sign cannot be permitted as is. Prior to removal, the Department will work with the community to determine if the sign may be moved to a different location, rebuilt with yielding features/materials, shielded, etc. to allow issuance of a DT1812 permit.
- 3. Welcome signs installed within the highway right-of-way shall require a work on right-of-way permit (<u>DT 1812</u> form).
- 4. Welcome signs that are within the clear zone or clear recovery area on the right-of-way **should** be constructed with breakaway or yielding features/materials. If not, then WisDOT approved shielding **shall** be provided for the sign.
- 5. No welcome sign will be allowed to remain if it is a safety hazard. The permittee **shall** be responsible for any costs incurred by the Department to correct or eliminate hazards related to the welcome sign.
- 6. Welcome signs **shall not** have auxiliary plaques, as these are considered advertising, and not allowed per s. 86.19.
- 7. Welcome signs are not allowed to be placed within the right-of-way of interstate highways but *may* be allowed on freeways.
- 8. Welcome signs are not owned or installed by the Department.
- 9. Welcome signs **shall not** be installed where vision corners may be blocked, such as at intersections or median breaks.

10. Care shall be taken to ensure that vision of existing or planned traffic signs is not blocked.

POLICY FOR ENHANCED POLITICAL BOUNDARY SIGNS

Enhanced political boundary signs are more of an informational sign as they do not directly provide a guidance function for the motorist. These signs are traffic signs that are installed on conventional highways, in the highway right-of-way, at the municipal limits by permit. The signs serve the functions of conveying the municipal limits of a community and *may* tie into the theme of the community by utilizing different colors and/or a pictograph on the sign.

GENERAL POLICY CRITERIA

- 1. If off-right-of-way location efforts fail for a welcome sign, then a community could apply for a permit to install and maintain an "enhanced political boundary sign." Enhanced political boundary signs **shall not** be allowed if there is an off-right-of-way welcome sign in place.
- 2. If an enhanced political boundary sign is installed, then WisDOT would remove the standard population sign.
- 3. Enhanced political boundary signs *should* be ground-mounted on the right side of the roadway. Ground-mounted median signs *may* be installed if right-side installation opportunities are not available. No overhead sign installations are allowed.
- 4. Supplemental signs (tree city USA, 1979 baseball champs, lions clubs, etc.) **shall not** be allowed on the enhanced political boundary signs or supports.
- 5. Enhanced political boundary signs **shall** only be allowed on conventional highways for incorporated cities and villages, located at the municipality border. Enhanced political boundary signs **shall not** be allowed for townships or unincorporated communities.
- 6. All enhanced political boundary sign requests, including CSS projects, **shall** be approved by the Region Traffic Engineer. Requestor **shall** furnish proposed locations, sign and pictograph design and type of supports used.
- 7. The community population number *may* be included on the enhanced political boundary sign.
- 8. The community **shall** be responsible for all costs associated with the manufacture, installation and maintenance of the permitted enhanced political boundary signs.

SIGN DESIGN STANDARDS

- 1. Destinations, arrows or specific traffic generators **shall not** be allowed on the signs.
- 2. The pictograph (logo) height **shall not** exceed two times the height of the upper case letters and **shall** be located at the top or left side of the sign. The pictograph **shall** be the official designation adopted by the jurisdiction. The pictograph *may* contain wording, provided it is not a commercial advertising message. Only one pictograph is allowed per sign.
- 3. Enhanced political boundary signs **shall not** be lighted or contain any animated or moving parts, flashing lights or disks.
- 4. At minimum, enhanced political boundary signs **shall** utilize Type H—High Intensity sheeting.
- 5. Minimum letter size **shall** be 4 ½" lowercase, 6: uppercase letters. Maximum sign size **shall** be 72: width by 48: height.
- 6. Sign base material **shall** be in accordance with <u>Section 637 of the WisDOT Standard Construction</u> Specifications.
- 7. The sign shape **shall** be rectangular. Aluminum signs **shall** have rounded corners.
- 8. Border is required on the signs and **shall** be retroreflective, and of the same color as the text.
- 9. Colors **shall** meet the standards for highway colors specified by the Federal Highway Administration.

Two color combinations *may* be used which are:

- White or yellow on blue, green or brown
- Blue, green, black or brown on white

- Red or orange on white, but not the reverse
- The background colors of orange, red, yellow, purple, or the fluorescent versions thereof, fluorescent yellow green and fluorescent pink shall not be allowed. One background color only allowed. Lettering and border (if used) shall be of the same color.

SIGN INSTALLATION STANDARDS

- 1. The standard WisDOT posts (4" x 6" wood or 2" x 2" tube steel) *may* be used. The community also *may* be allowed to utilize other types of sign posts. Non-standard sign posts **shall** conform to <u>TEOpS 2-15-52</u>.
- 2. Sign installation and placement **shall** be per WisDOT standards.
- 3. Sign mounting height **shall** be five feet to bottom of sign.
- 4. Sign locations **shall** be approved by WisDOT. Signs **shall** be located outside of the influence area of an intersection (typically 200' minimum distance from the intersection).
- 5. WisDOT **shall** approve any proposed landscaping plans. Any landscaping items **shall** meet breakaway standards or be shielded with FHWA approved shielding. For example, there is a 20" high decorative curb that meets FHWA standards.

POLICY FOR COMMUNITY POPULATION SIGNS

- 1. <u>City or village limit signs</u> *may* be installed on freeways or expressways at or near where the highway enters the municipality, <u>unless</u> the city or village is identified on the primary guide signs or a supplemental guide sign.
- 2. <u>City or village population signs</u> **shall** be installed on conventional highways at or near where the highway enters the municipal limits. WisDOT will install and maintain the standard signs with the official current decennial census figures. No other signs **shall** share the supports.
- 3. If the city or village requests a population update, the Regional Traffic Engineer *may* authorize the municipality to modify the numbers with a white on green Type H adhesive overlay, using the same size and font as the original sign.
- 4. Signing for unincorporated communities is covered in <u>TEOpS 2-4-48</u>.

APPLICATION AND PERMIT

- 1. Permit **shall** be approved by the WisDOT Regional Traffic Engineer.
- 2. The application from the requesting community **shall** contain a plan showing the sign location9s) and sign fabrication detail (including colors and heights of letters and pictograph).

2-1-42 State Entrance Signing

December 2022

PURPOSE

In the past, several different signs have been installed along Department-maintained roadways at state entrances. In some cases, several signs have been installed on the same support. At some state entrances, blue and green signs cut out partially in the shape of Wisconsin have been installed. Based on an interpretation received from FHWA in 2013, the shape of these signs is not in conformance with the 2009 MUTCD. This policy will define the appropriate sequence of signs when entering the state along a Department-maintained roadway.

DEFINITIONS

Freeways are defined as divided arterial highway facilities that have full controlled access, by means of grade separation at interchanges only.

Expressways are defined as divided arterial highway facilities that have partial control of access and generally with grade separations at major intersections.

Conventional Highways are defined as either divided or undivided roadway facilities that have no control of access with grade separations at intersections. These highways can be two lane or multilane facilities.

POLICY

Freeways and Expressways

The standard order of sign installations along a freeway or expressway, beginning at the state line, is shown below. 200' minimum spacing *should* be maintained between each sign installation. Note that this order may need to be adjusted based on field conditions.

- 1. I2-1 (Wisconsin) with I2-2 (County name) directly below.
- 2. J4-series (Reassurance Assembly)
- 3. R2-1 (Speed Limit)
- 4. R5-60 (Move Over or Slow Down)
- 5. D12-5 (Travel Info Call 511)

In addition to this on-right-of-way signing, for freeway and expressway entrances to the state, a large timber "Wisconsin Welcomes You" sign is typically installed in an off-right-of-way location that is visible to traffic.

Conventional Highways

The standard order of sign installations along a conventional highway, beginning at the state line, is shown below. 200' minimum spacing *should* be maintained between each sign installation in rural areas. 100' minimum spacing *should* be maintained between each sign in urban areas. Note that this order *may* need to be adjusted based on field conditions.

- 1. If a large timber sign is not present, the I2-1B *should* be used instead of the I2-1 with I2-2 (County name) directly below.
- 2. I2-3 (Community population sign) only if entering municipal limits
- 3. J4-series (Reassurance Assembly)
- 4. R2-1 (Speed Limit)
- 5. D2-series not used if entering municipal limits

In addition to this on-right-of-way signing, for conventional highway entrances to the state that are part of the National Highway System, a large timber "Wisconsin Welcomes You" sign is typically installed in an off-right-of-way location that is visible to traffic. If a large timber sign is present, I2-1 *should* be used instead of the I2-1B

IMPLEMENTATION

There is no formal phase-in period for installation of this signing. Existing non-conforming state entrance signs will be allowed to remain in place until the end of their useful life. Useful life ends when the sign message no longer meets legibility or condition standards. Existing non-conforming state entrance signs *may* be replaced prior to the end of their useful life when opportunities arise such as knockdown or damage, when other work is occurring nearby, or when projects make replacement practical.

2-1-45 Usage of Fluorescent Sheeting on Signs

August 2013

PURPOSE

Fluorescent colored sheeting cab be advantageous to use on certain traffic signs. In addition to enhanced nighttime retroreflectivity, the fluorescent color allows for greater daytime conspicuity of signs as well. This is especially important for enhancing traffic safety of the motorist and addressing the fact that a greater percentage of people in our population are becoming older and their eyesight requires a brighter sheeting material.

There are three colors of fluorescent sheeting that are commercially available: orange, yellow and yellow-green. The Federal Highway Administration allows the use of fluorescent yellow-green sheeting on some warning signs for pedestrian, bicycle, playground and school applications. The following guidelines limit the usage of the three fluorescent sheeting colors to certain specific signs in order to retain the unique quality of the sheeting.

POLICY

Fluorescent Yellow Sheeting

Beginning in 2010, WisDOT has been in the process of converting yellow warning signs from ASTM D4956 Type IV (prismatic high intensity yellow) to ASTM D4956 Type XI fluorescent yellow, starting with the most

critical of warning signs. Phase 1 (June 2010) included signs such as Stop Ahead, No Passing Zone, Pedestrian Crossing, Chevrons and Large Arrows. Phase 2 (June 2012) included Curve and Turn signs, Intersection Warning signs, advisory speed signs and bridge object markers. The final phase for implementation (Phase 3) will be for the remainder of the warning signs. This change will be completed by December 1, 2013. Beginning with the December 2013 letting, all warning signs on WisDOT projects will be converted to ASTM D4956 Type XI fluorescent yellow. Replace existing conventional yellow signs with fluorescent yellow as they wear out, through improvement projects or sign damage/knockdowns.

All chevrons in a curve or turn **shall** match sheeting color (either fluorescent yellow or conventional yellow). If warning signs are doubled up on an approach, the sheeting **shall** match (either fluorescent yellow or conventional yellow). Supplemental warning plaques **shall** match the main signs that they supplement. No mixing of colors.

Fluorescent Yellow-Green Sheeting

S1-1 School Crossing Signs, S4-51 School Speed Limit Assemblies, S4-52 School In-Street Pedestrian Crossing Signs, S4-5 School Reduced Speed Limit Warning Signs on the WisDOT highway system **shall** use fluorescent yellow-green sheeting. The usage of fluorescent yellow-green sheeting **shall** also be used on the Ahead plaque (WF16-9P) for the School Advance Sign location, and Diagonal Down Arrow Signs (WF16-7L and WF16-7R) for the School Crossing Sign location. No other signs **shall** use the fluorescent yellow=green sheeting.

S3-1 School Bus Stop Ahead and S3-51 School Bus Traffic Signs

Replace existing conventional yellow signs with fluorescent yellow signs as they wear out, through improvement projects or damage claim knockdowns. All School Bus Stop Ahead signs and School Bus Traffic signs **shall** be replaced with the fluorescent yellow-green symbol sign no later than January 1, 2016.

Any signs with fluorescent yellow=green sheeting other than the School Crossing signs that were installed before the date this policy became effective *may* remain in place. Once these signs have reached their useful life, the Region **shall** replace them with regular yellow sheeting signs.

Fluorescent Orange Sheeting

Fluorescent orange sheeting **shall** be used on all work zone warning signs.

Fluorescent orange sheeting **shall** be used for all construction detour route assemblies (M4-5 TO, M5 and M6 series arrows and M4-8 detour plaques) and traffic control fixed message signs.

2-1-50 Snowmobile Trail Signing

August 1995

At some locations on state trunk highway right-of-ways, local agencies *may* erect signing for the purpose of directing and controlling snowmobile operations. This is permissible unless there is some problem generated by the existence of snowmobiles at specific locations. Signing for the snowmobile trails is described in Administrative Code NR 50, and also described with typical applications illustrated in DNR's "Trail Signing Handbook", 1994. A copy of this book *should* be kept in each traffic section.

In interpreting this book the following is offered:

- 1. All responsibility for signing along the trail is local, including installation and maintenance.
- 2. The Department's responsibility includes only signs which *may* be requested directing to trail head parking lots, and such warning signs directed to motorists advising of snowmobile crossings where these warnings are warranted.
- 3. Regarding illustrations in the book (figures on pages 19-22 and page 28):
 - a. Warning signs on the trail when visible from the highway should be the minimum size specified.
 - b. Orange markers on the right-of-way would usually be unnecessary except to mark a turn.
 - c. STOP signs are shown too close to the highway. They *should* be back of the snowplowing range, at least 20' from the pavement and desirably more.
 - d. STOP signs *should* be parallel to the highway, and the trail approaching the highway *should* be aligned to be as near to a right angle as possible.
 - e. Warning signs on the highway are shown routinely in the illustrations. On state trunk highways,

they are only to be installed where warranted, usually due to sight conditions.

- 4. On page 12 of the handbook: "If requested, the Department will install and maintain guide signs for trail head parking lots. The signs *should* contain the word 'Parking.'"
 - The term "snowmobile route" is defined to mean snowmobile travel on an unplowed roadway. Consequently, "routes" are not to be signed on state trunk highways or connecting highways.
- 5. Sign posts on the right-of-way installed by local agencies **shall** meet the same small support safety standards as those erected by the Department.
- 6. Trail signs **shall not** be attached to any of the Department's signposts.

2-1-55 Alternate Roadway Signing

April 2001

PURPOSE

In some areas of the state, there are sections of roadways that are frequently <u>closed</u> to traffic for brief periods of time. As a result, motorists are directed to use an alternate route, usually by law enforcement officials. Many of these alternate route locations are used frequently enough that they could be <u>permanently</u> signed as alternate roadways.

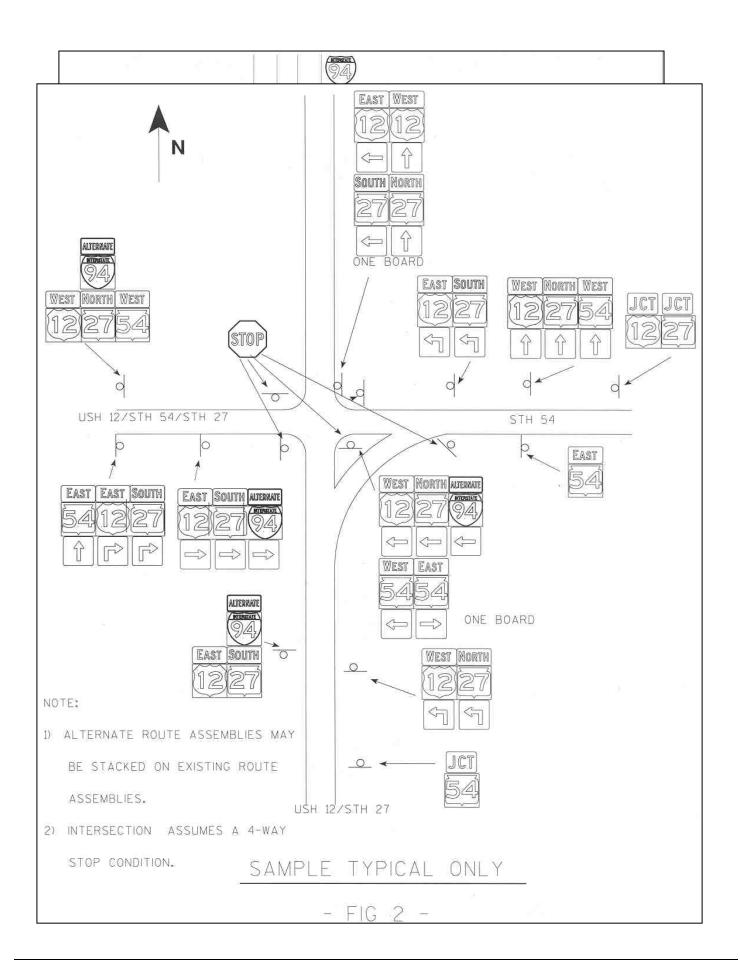
There are several benefits of alternate roadway signing. Alternate signing can direct traffic onto an alternate roadway in case the mainline roadway is closed, due to bad weather, crashes, or other incidents. A permanently signed alternate route can assist State Patrol Troopers and other personnel because less manpower will be required to direct motorists on an alternate route.

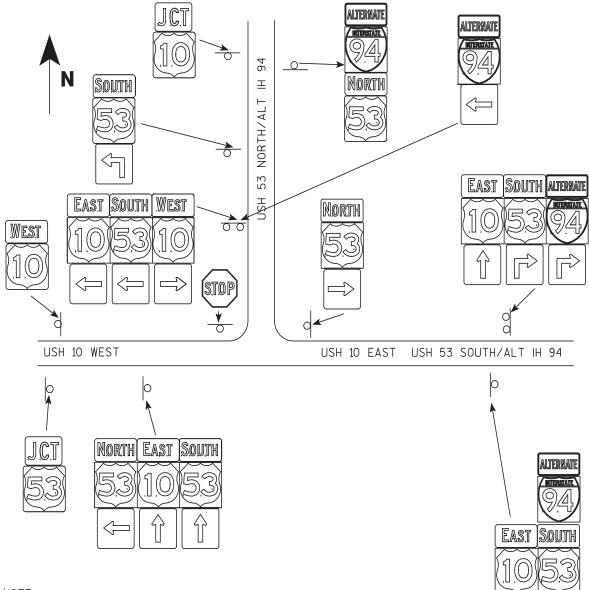
INSTALLATION GUIDELINES

The following criteria *should* be considered by each Regional Traffic Section in the design/implementation of permanent signing for an alternate roadway. It *should* be noted that this type of alternate route signing is optional in each Region and the Region will have the final say on whether to approve or deny this signing. Example details are also provided as part of this policy. This policy applies to the signing of alternate routes for mainline roadways that re on the WisDOT system.

- 1. During the design of alternate roadway signing, the Regional Traffic Section should contact the State Patrol and local highway officials for comment. Some existing county trunk highways and local roads may not be suitable as alternate traffic routes. The Region should check to see if the alternate route being considered has been previously designated a long truck route. Per Wisconsin Administrative Code 276.08, once a route is permanently signed as an alternate, it will legally be considered a long truck route. The Region should be aware that there is a potential problem of truckers legally using the alternate route even if the main route is open.
- 2. The alternate marker (M4-1 sign) **shall** be used in conjunction with the appropriate route marker shield. For interstate applications, the alternate marker (MB4-1 sign) **shall** be used with the interstate marker shield. The MB4-1 sign has white lettering on a blue background.
- 3. Figure 1 shows the use of a horizontal-cut aluminum folding alternate roadway sign. The folding alternate roadway sign is mounted below the EXIT gore sign. The State Patrol or other law enforcement officials could flip this sign open in times of roadway closure. Once traffic is directed off the mainline roadway, there would be alternate signing all along the alternate route that would direct motorists.
 Usage of this sign has been determined to be optional. It is recommended that the Regional Traffic Section contact their State Patrol Regional office for input on the usage of this sign.
- 4. No cardinal direction signs *should* be placed on the alternate route sign assemblies unless a specific direction is required.
- 5. The use of a vertical route panel is encouraged wherever possible (as shown on the examples). The placement of alternate route assemblies in urban areas *may* be difficult due to space restrictions. Alternate route assemblies *may* be stacked on existing route assemblies. Normally, 24" and 36" marker heads are used. For extreme space constraints, 18" marker heads can be specially ordered. For roadways that have multiple route assemblies (i.e. Interstate 39-90-94 in Southwest Region), one of the numbers can be used for the alternate route assembly on the alternate route.
- 6. The horizontal size of the alternate route marker sign *should* be the same as the horizontal size of the roadway marker signs already on the roadway.

- 7. The placement of reassurance markers will differ on each route, but in general they *should* be placed every (+/-) 5 miles, or as needed. The alternate reassurance markers *should* be stacked whenever possible and *may* be placed with every reassurance marker on the roadway.
- 8. Generally, for a stop condition or right turn no stop condition, alternate route assemblies with advanced turn arrows would not be used, as shown on Figure 2. However, conditions such as unusual intersection geometrics and/or multi-lanes *may* require the addition of alternate assemblies with advanced turn arrows.
- 9. For a no stop condition, as shown on Figure 3, alternate route assemblies with advanced turn arrows *should* be used.
- 10. It is recommended that the Regions send their completed alternate roadway signing layouts to Central Office Traffic Operations for review prior to installation.





NOTE:

- 1) ALTERNATE ROUTE ASSEMBLIES MAY BE STACKED ON EXISTING ROUTE ASSEMBLIES.
- 2) INTERSECTION ASSUMES A "NO STOP"

 CONDITION FOR USH 10 TRAFFIC.

SAMPLE TYPICAL ONLY

- FIG 3 -

PURPOSE

Community Sensitive Design for signing is the incorporation of a sign or logo to blend in architecturally with a structure. There are many requests to utilize community Sensitive Designs (CSD) for signing along statemaintained highways. This type of signing can be very popular because they add an aesthetic community value to the roadway. However, there are several policies and guidelines that must be followed in this approach. MUTCD section 1A.01 states that Traffic Control Devices or their supports **shall not** bear any advertising message or any other message that is not related to traffic control. Advertising is only allowed on signs off of the highway right-of-way. Wisconsin State Statute 86.19(1) states that no sign **shall** be placed within the limits of any street except such as necessary for the guidance or warning of traffic.

DEFINITIONS

<u>Freeways</u> are defined as divided arterial highway facilities that have <u>full</u> controlled access, by means of grade separation at interchanges only.

<u>Expressways</u> are defined as divided arterial highway facilities that have <u>partial</u> control of access and generally with grade separations at major intersections.

<u>Conventional highways</u> are defined as divided or undivided roadway facilities that have limited access with no grade separations at intersections. These highways *may* be two lane or multi-lane facilities.

POLICY

Any Community Sensitive Design for signing *should* ensure that the message or logo does not compete with the essential message of any official traffic signs, nor create a distraction from conveying essential traffic information. In addition, any Community Sensitive Design for signing needs to ensure that there is no advertising of any kind. Welcome signs as part of the design aspect of a structure **shall not** be allowed. Standalone welcome signs are covered in <u>TEOpS 2-1-41</u>.

GUIDELINES

Community Sensitive Designs for signing will be allowed on state-maintained roadways provided the following criteria are met:

- 1. Except for street name identifications (covered in items 2, 3 and 4 below), other word messages **shall not** be used, including wording within logos.
- 2. Street name identifications *may* be formed into the concrete as part of the structure. They **shall** be independent and not included as part of a logo.
- 3. On freeways and expressways, street name identifications **shall** be a minimum of 6" lowercase or 8" uppercase letters, with a minimum letter stroke width equivalent to FHWA Series E.
- 4. On conventional highways, street name identifications **shall** be a minimum of 4 ½" lowercase or 6" uppercase letters, with a minimum letter stroke width equivalent to FHWA Series E.
- 5. Logos or designs **shall not** bear any resemblance to official logos already in place on official guidance or motorist Specific Information Signs (SIS signs).
- 6. Logos or designs **shall not** bear any resemblance to official advertising, correspondence or municipal logos.
- 7. Logo and designs, including designs for street name identifications, **shall** be submitted to WisDOT Central Office, Bureau of Highway Operations for review and approval.
- 8. Any existing non-conforming Community Sensitive Design signing already in place **shall** be allowed to remain until the end of its service life. Once the design has reached the end of its service life, it **shall** be removed and not be replaced.
- 9. Some architecturally acceptable logos would include logos of:
 - a. Wildlife
 - b. State Capitol
 - c. State outline
 - d. Floral patterns
 - e. Outlines of city buildings
 - f. Animals
 - g. Ships/boats.

- 10. Internally or externally illuminated logos **shall not** be allowed.
- 11. Portraits of people shall not be allowed.
- 12. Logos or designs *should* be uniquely related to the community in which the structure is located.
- 13. Bridge painting is not allowed to resemble a sign or message.

2-1-65 Pedestrian Crossing Flags

January 2018

GENERAL

There are currently efforts by communities to enhance the visibility of pedestrians within crosswalks. Typically, these are crosswalks that are not at a stop or signalized location. Communities have adopted a pedestrian flag program where flags are provided at the pedestrian crossing to assist with increasing visibility of pedestrians crossing the street. This flag concept is like the concept of placing retroreflective material on clothing. Based on an April 27, 2005 Interpretation Letter from FHWA, it has been determined that these flags are not traffic control devices and therefore, no direct guidance is given in the 2009 MUTCD on the design and application of pedestrian flags. The 2009 MUTCD, Section 6E.03 does provide standards and guidance for hand signalizing devices, including flags, for work zones.

This policy is developed to provide specific guidelines for handling requests for the installation of pedestrian crossing flags for crossings on the state highway system.

POLICY

- 1. All requests to install pedestrian flag devices **shall** be made by the municipality.
- 2. Flag holder devices **shall not** be attached to WisDOT maintained sign posts.
- 3. The municipality **shall** be responsible for all installation and maintenance costs of the flag devices.
- 4. Pedestrian Crossing flags **shall** only be allowed at WisDOT permitted crosswalks.
- 5. For maximum visibility, flags **shall** be red or fluorescent orange-red in color. Flags **shall** be made of a retroreflective material or have a retroreflective strip attached to them.
- 6. Flags **shall** be a minimum of 18" x 18" in size, with a minimum 30" staff.