

ENROLLED ORDINANCE 172-074

MODIFY SPEED ZONE ON COUNTY TRUNK HIGHWAY VV

WHEREAS, Wisconsin Statutes §349.11(3)(c) permits local authorities to establish speed zones within certain guidelines; and

WHEREAS, in response to public inquiries and a review of vehicle speeds and collisions along this segment of highway, the Waukesha County Department of Public Works finds it appropriate to reduce the speed limit from 55 mph to 45 mph in both directions of County Trunk Highway VV between its intersection with Huntington Street in the Village of Merton and 700 feet east of its intersection with Lake Five Road in the Town of Lisbon.

THE COUNTY BOARD OF SUPERVISORS OF THE COUNTY OF WAUKESHA ORDAINS that the speed zone along both directions of County Trunk Highway VV in the Village of Merton and in the Town of Lisbon is modified to be forty-five (45) miles per hour between its intersection with Huntington Street and 700 feet east of its intersection with Lake Five Road.

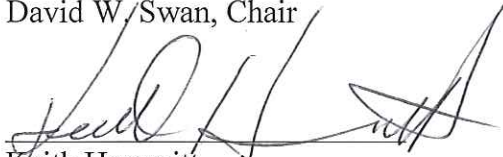
BE IT FURTHER ORDAINED that this ordinance rescinds all previous speed restrictions for the above-described portion of the County Trunk Highway System.

MODIFY SPEED ZONE ON COUNTY TRUNK HIGHWAY VV


Presented by:  
Public Works Committee



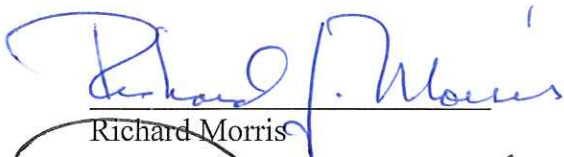
David W. Swan, Chair



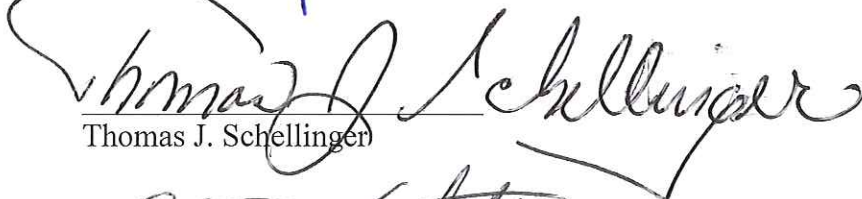
Keith Hammitt



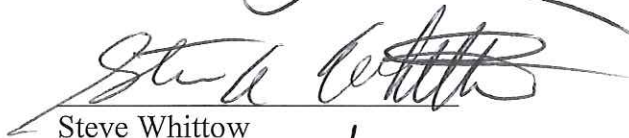
Darlene M. Johnson



Richard Morris



Thomas J. Schellinger




Steve Whittow



Chuck Wood

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, was presented to the County Executive on:

Date: 3/27/18

  
Kathleen Novack, County Clerk

The foregoing legislation adopted by the County Board of Supervisors of Waukesha County, Wisconsin, is hereby:

Approved: X

Vetoed: \_\_\_\_\_

Date: 3/5/18

  
Paul Farrow, County Executive



**Waukesha County**  
*Department of Public Works*

**TO:** Waukesha County Board of Supervisors  
**CC:** Allison Bussler, Gary Evans  
**FROM:** Bruce Barnes, P.E., PTOE  
**DATE:** January 16, 2018  
**SUBJECT:** Proposed reduction of CTH VV posted speed limit between Huntington St & 700-feet east of Lake Five Rd

Lowering the CTH VV 55-MPH speed limit to 45-MPH is recommended between Huntington Street and 700-feet east of Lake Five Road. This posted speed limit reduction addresses concerns raised by the Village of Merton and local residents. The attached exhibit shows the vehicle speeds observed, collision rates, and traffic counts along this 0.69-mile segment of CTH VV.

Vehicle speeds were measured at three locations between Huntington Street and east of Lake Five Road during weekday afternoons when traffic flows freely. The 85<sup>th</sup>-percentile speeds observed along this segment of CTH VV ranged from 10 MPH slower than the 55-MPH speed limit near Huntington Street to only 1 MPH faster near Lake Five Road.

Nine collisions were reported during a 5.5-year period (averaging 1.6/year during Jan 2012-June 2017) along the segment of CTH VV between Huntington Street and 700-feet east of Lake Five Road. This crash rate is slightly lower than the statewide average for 2-lane rural highways having similar traffic volumes. Another 13 collisions occurred at the CTH VV/Lake Five Road intersection. Six of all these 22 collisions had citations for 'failure to keep vehicle under control' or 'driving too fast for conditions'. Seven other collisions were caused by failure to yield at STOP signs of the CTH MD (Moraine Dr) intersection and Lake Five Rd intersection along CTH VV. Minor sign improvements will be completed separately for addressing these intersection-area collisions.

Lowering the CTH VV posted speed limit to 45-MPH, between Huntington Street and a point 700-feet east of Lake Five Road, is recommended to accompany the Village of Merton's recent decision to install speed monitors along CTH VV at Village entrances near the Huntington Street and Trowbridge Trail intersections.

If the County Board approves this Ordinance, then a new 45-MPH speed limit along this segment of CTH VV would

- 1) Correspond more closely with prevailing speeds,
- 2) Reduce collision risks at three intersections and
- 3) Designate a transition speed zone along growing residential subdivision areas in the Town of Lisbon between an existing rural area 55-MPH zone and a 25-MPH zone in the Village of Merton,.

**Table 1**  
**Speed Limits and Authority to Change**

Fixed Limits – Statute 346.57(4) <sup>(a)</sup>	Local Government Authority <sup>(b)</sup> – Statute 349.11(3) and (7) <sup>(a)</sup>
65 mph – Freeway / Expressway	WisDOT only.
55 mph – State Trunk Highways (STHs)	WisDOT only.
55 mph – County Trunk Highways (CTHs), town roads	Lower the speed limit by 10 MPH or less.
45 mph – Rustic roads	Lower the speed limit by 15 MPH or less.
35 mph – Town road (1,000’ min) with 150’ driveway spacing	Lower the speed limit by 10 MPH or less.
25 mph – Inside corporate limits of a city or village (other than outlying district)	Raise the speed limit to 55 mph or less. Lower the speed limit by 10 mph or less.
35 mph – Outlying district <sup>(c)</sup> within city or village limits	Raise the speed limit to 55 mph or less. Lower the speed limit by 10 mph or less
35 mph – Semi-urban district <sup>(d)</sup> outside corporate limits of a city or village	Raise the speed limit to 55 mph or less. Lower the speed limit by 10 mph or less.
15 mph – School zone, when conditions are met	Raise the speed limit to that of the roadway. Lower the speed limit by 10 MPH or less.
15 mph – School crossing, when conditions are met	Raise the speed limit to that of the adjacent street. Lower the speed limit by 10 MPH or less.
15 mph – Pedestrian safety zone with public transit vehicle stopped	No changes permitted.
15 mph – Alley	Lower by 10 MPH or less.
15 mph – Street or town road adjacent to a public park	Lower by 10 MPH or less.
Construction or maintenance zones, as appropriate <sup>(e)</sup>	State and local agencies have authority to establish.

Notes:

(a) Source: Updated 2007-2008 Wisconsin Statutes Database

(b) All speed limit changes **shall** be based on a traffic engineering study, including modifications allowed under State Statute. Local governments can implement speed limit changes on the local road system without WisDOT approval when proposals are within the constraints identified above.

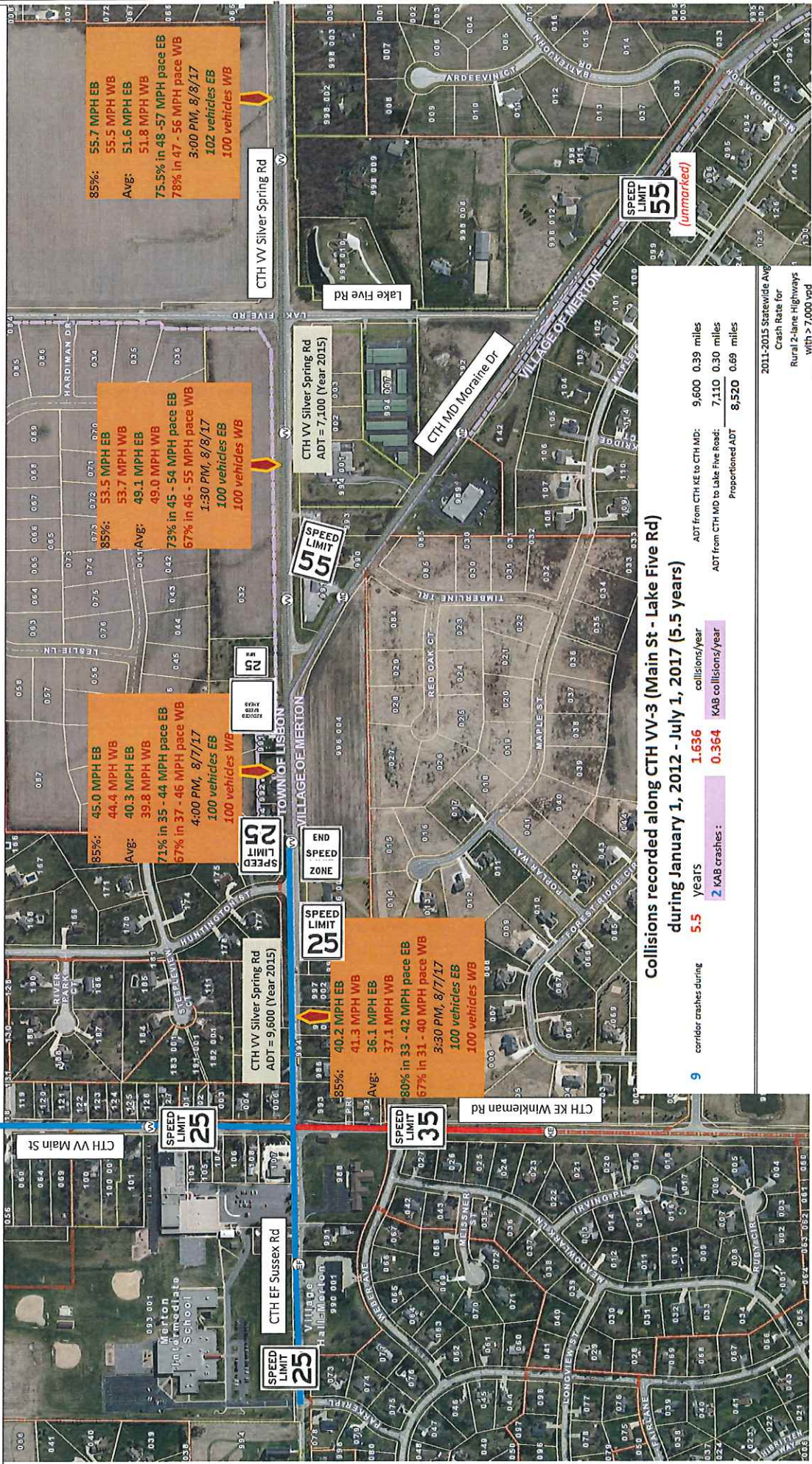
(c) Per Statute 346.57(1)(ar) “outlying district” is an area contiguous to any highway within the corporate limits of a city or village where on each side of the highway within any 1,000 feet buildings are spaced on average more than 200 feet apart.

(d) Per Statute 346.57(1)(b) “semiurban district” is an area contiguous to any highway where on either or both sides of the highway within any 1,000 feet buildings are spaced on average less than 200 feet apart.

(e) Guidance on establishing speed limits in work zones is available in [https://trust.dot.state.wi.us/extntgtwy/dtid\\_bho/extranet/manuals/tgm/13/13-05-06.pdf](https://trust.dot.state.wi.us/extntgtwy/dtid_bho/extranet/manuals/tgm/13/13-05-06.pdf).

*Modified from original found in WisDOT Traffic Guidelines Manual, Chapter 13-5-1, Figure 1, June 2009.*





**Collisions recorded along CTH VV-3 (Main St - Lake Five Rd) during January 1, 2012 - July 1, 2017 (5.5 years)**

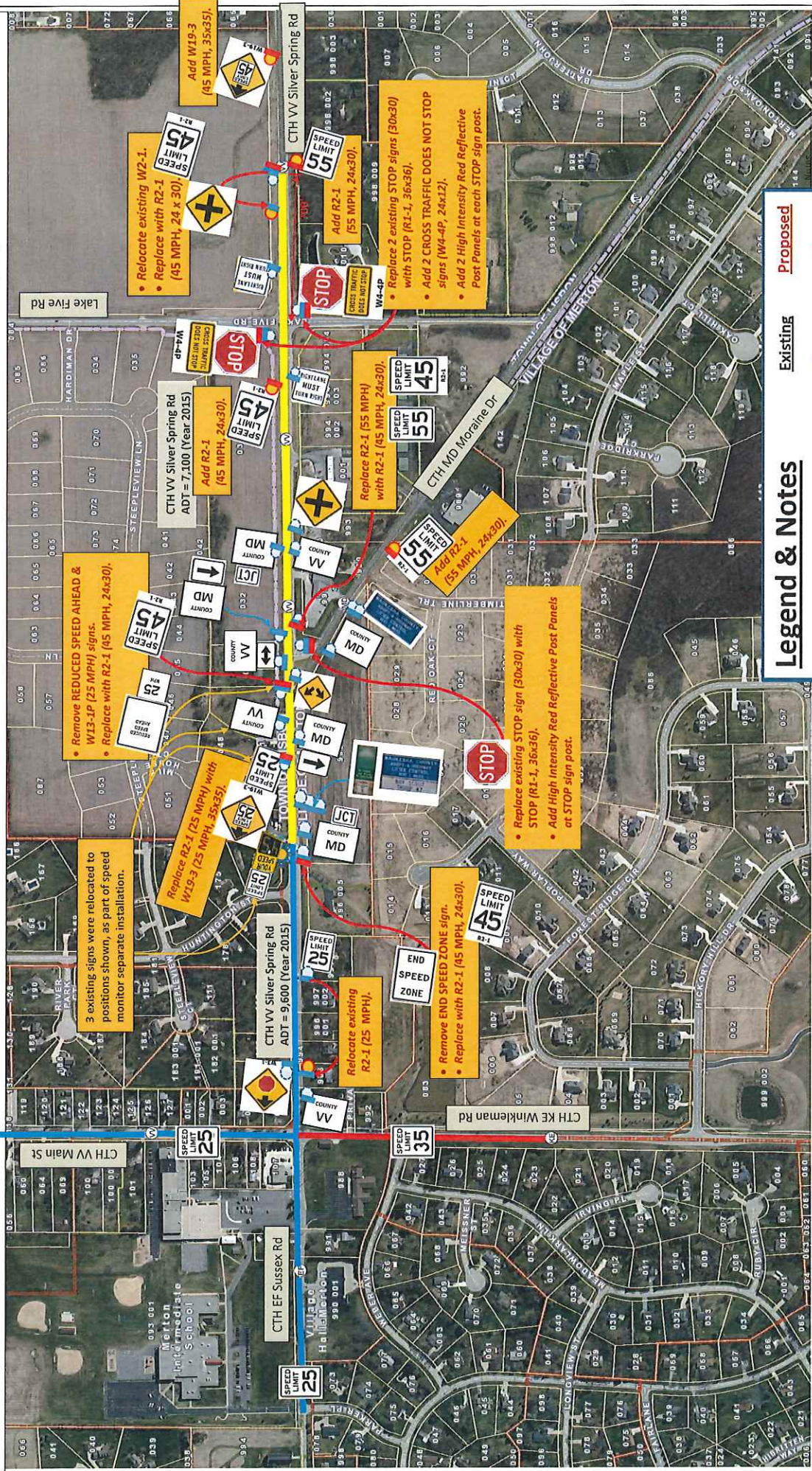
9	corridor crashes during	5.5	years	1.636	collisions/year	ADT from CTH KE to CTH MD: 9,600	0.39	miles
2	KAB crashes:	0.364	KAB collisions/year	7,110	0.30	ADT from CTH MD to Lake Five Road:	0.69	miles
				8,520	0.69	Proportioned ADT		

0	400.00 Feet	Printed: 12/20/2017	Notes
		Highway Segment	90.04
		Crash Rate:	crashes per 100 million vehicle miles travelled (HMVMT)
		Highway Segment	17.90
		KAB Crash Rate:	KAB crashes per 100 million vehicle miles travelled (HMVMT)
		2011-2015 Statewide Avg. Rural 2-lane Highways with > 7,000 vpd	



# Add CTH VV-3 Speed Transition Zone

**SPEED LIMIT 45**



Remove REDUCED SPEED AHEAD & W13-1P (25 MPH) signs.  
Replace with R2-1 (45 MPH, 24x30).

3 existing signs were relocated to positions shown, as part of speed monitor separate installation.

Replace R2-1 (25 MPH) with W19-3 (25 MPH, 35x35).

Relocate existing W2-1.  
Replace with R2-1 (45 MPH, 24 x 30).  
Add W19-3 (45 MPH, 35x35).

Add R2-1 (45 MPH, 24x30).

Add R2-1 (45 MPH, 24x30).

Replace R2-1 (55 MPH) with R2-1 (45 MPH, 24x30).

Relocate existing R2-1 (25 MPH).

Remove END SPEED ZONE sign.  
Replace with R2-1 (45 MPH, 24x30).

Replace existing STOP sign (30x30) with STOP (RL-1, 36x36).  
Add High Intensity Red Reflective Post Panels at each STOP sign post.

Add R2-1 (55 MPH, 24x30).  
Replace 2 existing STOP signs (30x30) with STOP (RL-1, 36x36).  
Add 2 CROSS TRAFFIC DOES NOT STOP signs (W4-4P, 24x12).  
Add 2 High Intensity Red Reflective Post Panels at each STOP sign post.

## Legend & Notes

Sign mounted on steel post:

- Proposed
- Existing

0 400.00 Feet

Printed: 1/16/2017

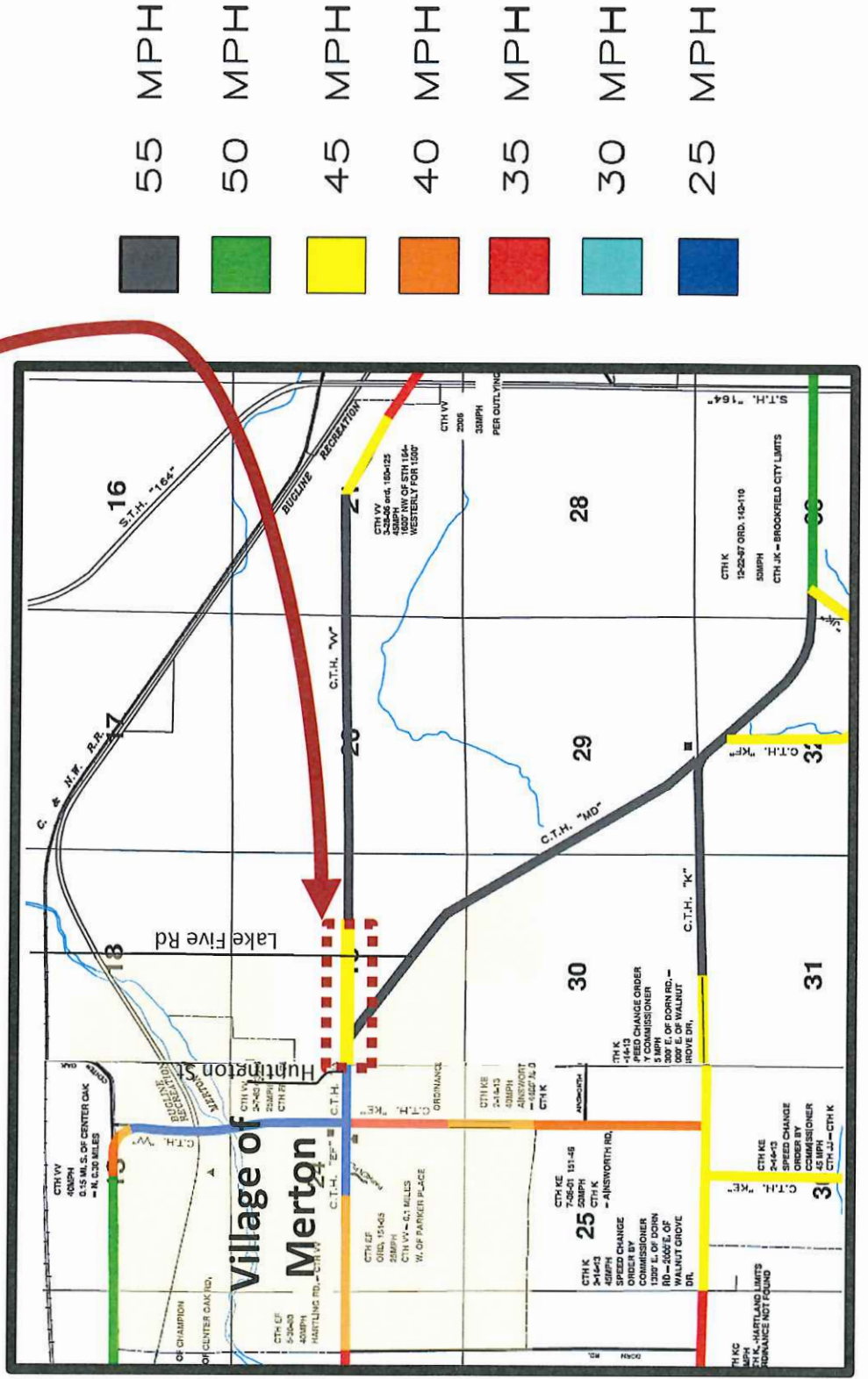


# CTH VV

## Huntington Street to 700-foot east of Lake Five Road

Village of Merton & Town of Lisbon  
Waukesha County

**45 MPH PROPOSED Posted Speed Limit (0.7 miles)**





D1 - Kolb	AYE	D14 - Wood	AYE
D2 - Zimmermann	AYE	D15 - Mitchell	AYE
D3 - Morris	AYE	D16 - Crowley	AYE
D4 - Batzko	AYE	D17 - Paulson	AYE
D5 - Dondlinger	AYE	D18 - Nelson	AYE
D6 - Walz	AYE	D19 - Cummings	AYE
D7 - Grant	AYE	D20 - Schellinger	AYE
D8 - Michalski	AYE	D21 - Zaborowski	AYE
D9 - Heinrich	AYE	D22 - Wysocki	AYE
D10 - Swan	(M) AYE	D23 - Hammitt	AYE
D11 - Howard	AYE	D24 - Whittow	AYE
D12 - Wolff	AYE	D25 - Johnson	(2) AYE
D13 - Decker	AYE		

172-0-74

Passed (25 Y - 0 N - 0 Absent)

Majority Vote

