

**ORDINANCE 2023-025**

**AN ORDINANCE DIRECTING THE PLACEMENT OF OFFICIAL STOP SIGNS AT THE INTERSECTION OF NORTH TOWNE ROAD & VINBURN ROAD.**

**WHEREAS**, the Village of DeForest Chief of Police has recommended that stop signs be placed at the intersection of North Towne Road and Vinburn Road, creating a four-way stop at said intersection; and,

**WHEREAS**, the Village Board accepts the recommendation of the Chief of Police and finds that the placement of such stop signs is appropriate and will promote the public welfare and safety;

**NOW, THEREFORE, THE VILLAGE BOARD OF DEFOREST, WISCONSIN DOES ORDAIN AS FOLLOWS:**


**Section 1.** The Director of Public Services shall cause official stop signs to be installed at the following intersection:

(a) North Towne Road and Vinburn Road, for purposes of stopping traffic from all directions before entering the intersection.

**Section 2.** Upon installation of the signs authorized in Section 1, all vehicles traveling on North Towne Road and Vinburn Road shall stop before entering said intersection, as required by §3.04(3) of the DeForest Municipal Code.

**Section 3.** This ordinance shall be effective upon enactment and publication as provided by law and the installation of the signs required by Section 1 hereof.

Adopted at a regular Village Board Meeting this 5<sup>th</sup> day of September, ~~2021~~ 2023

  
Jane Cahill Wolfgram, Village President

Attest:

  
~~Callista Lundgren, Clerk~~

Rachel Covey, Deputy Clerk

Date Enacted: 9/5/2023

Vote: 6-1 Trustee Simpson Voted no

Date Published: 9/15/2023

Decker Supply Co Inc.  
1115 O'Neill Ave  
PO Box 8008  
Madison WI 53708

# QUOTATION

Quote Number: 481039  
Quote Date: 06/28/23  
Page: 1  
Customer Phone: 608 846-6751  
Customer Fax: 608-846-6873

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VILLAGE OF DEFOREST  
120 S STEVENSON ST  
DEFOREST, WI 53532

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VILLAGE OF DEFOREST  
PUBLIC SERVICES BLDG  
201 COMMERCE ST  
DEFOREST, WI 53532  
ATTN: GREG

Entered By: JOSH  
Location:  
Account Cd: DEFORVWI  
Salesperson: 7250

RFQ Number:  
Ship Via: PICK UP  
Taxable: Y  
Pmt Terms: NET 30

Line	Order Qty	Part Number	Description	Price	UM	Ext Price	Est Ship
1	4.00	M75-SA300-BSC3	30 WATT SOLAR BASIC SIGN SYSTEM/CONTROLLER, STAND ALONE, NO COMMUNICATIONS WITH OTHER TC CONTROLLERS OR COLLABORATORS	\$928.0000	EA	\$3,712.00	06/28/23
2	4.00	M75-SQTOP-0000	SQUARE TOP POLE MOUNT, TRUE SOUTH AIM, FOR TRAFFICALM SOLAR PANEL CONTROLLERS & COLLABORATORS	\$102.9000	EA	\$411.60	06/28/23
3	4.00	M75-R3636-WR01	SIGNALERT 36" FLASHER RING, STOP SIGN, RED LED'S	\$582.9000	EA	\$2,331.60	06/28/23
4	4.00	R1-1 S2PW36OC	STOP (RED/WH) 36" X 36" PHI/CS .125	\$69.9500	EA	\$279.80	06/28/23
5	4.00	PS22534H12G	3' X 2-1/4" SQ.TUBE 4-H 12GA	\$21.1000	EA	\$84.40	06/28/23
6	4.00	PS25018ODA12G	18" X 2-1/2" SQ.TUBE 4-H 12GA (OMNI DIRECTIONAL ANCHOR)	\$30.0000	EA	\$120.00	06/28/23
7	4.00	PS2124H12G	12' 2" X 2" SQ.TUBE 4-H 12GA	\$68.7000	EA	\$274.80	06/28/23
- ADD FREIGHT, ROUGH TOTAL LISTED BELOW - SALESPERSON: JOSH							

Thank you for the opportunity  
of quoting.

Prices are good for 45 days

Subtotal: \$7,214.20  
Sales Tax: \$0.00

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Freight: \$300.00  
Total: \$7,514.20

from quotation date.

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Quote Number: 481042  
Quote Date: 06/28/23  
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Customer Fax: 608-846-6873

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ATTN: GREG

Entered By: JOSH  
Location:  
Account Cd: DEFORVWI  
Salesperson: 7250

RFQ Number:  
Ship Via: PICK UP  
Taxable: Y  
Pmt Terms: NET 30

Line	Order Qty	Part Number	Description	Price	UM	Ext Price	Est Ship
1	4.00	M75-SA300-CTL3	30 WATT SOLAR POWERED INTELLIGENT SIGN CONTROLLER (ALL FLASH, P2C, CHEVRON, OR CONFLICT INTERSECTION) - COMMUNICATES & COMMANDS TC COLLABORATORS, WI-FI & MESH NET COMMUNICATION - INCLUDES 30W SOLAR PANEL	\$1,179.0000	EA	\$4,716.00	06/28/23
2	4.00	M75-SQTOP-0000	SQUARE TOP POLE MOUNT, TRUE SOUTH AIM, FOR TRAFFIC CALM SOLAR PANEL CONTROLLERS & COLLABORATORS	\$102.9000	EA	\$411.60	06/28/23
3	4.00	M75-R3636-WR01	SIGNALERT 36" FLASHER RING, STOP SIGN, RED LED'S	\$582.9000	EA	\$2,331.60	06/28/23
4	4.00	R1-1 S2PW36OC	STOP (RED/WH) 36" X 36" PHI/CS .125	\$69.9500	EA	\$279.80	06/28/23
5	4.00	PS22534H12G	3' X 2-1/4" SQ.TUBE 4-H 12GA	\$21.1000	EA	\$84.40	06/28/23
6	4.00	PS25018ODA12G	18" X 2-1/2" SQ.TUBE 4-H 12GA (OMNI DIRECTIONAL ANCHOR)	\$30.0000	EA	\$120.00	06/28/23
7	4.00	PS2124H12G	12' 2" X 2" SQ.TUBE 4-H 12GA	\$68.7000	EA	\$274.80	06/28/23
8	4.00	M75-SA300-RDR0	SMART RADAR UNIT FOR TRAFFIC CALM SYSTEMS	\$542.9000	EA	\$2,171.60	06/28/23

- ADD FREIGHT, ROUGH TOTAL

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LISTED BELOW  
- SALESPERSON: JOSH

Thank you for the opportunity  
of quoting.

Prices are good for 45 days  
from quotation date.

Subtotal:	\$10,389.80
Sales Tax:	\$0.00
Freight:	\$300.00
Total:	\$10,689.80



# STOP SIGN FLASHING LED RING

## FLASHING SIGN SYSTEM



**STOP SIGN FLASHING LED RING'S** are the next evolution in road signage. Designed to enhance existing road signage. Engineered to provide lightning-fast installation, unmistakable visibility in any condition, and intuitive driver calming beyond that of just reflective sheeting.

TraffiCalm's® dedication to advancing road safety is unparalleled in the industry. Our Flashing Sign Systems provide an obvious, and proven, modernization of standard traffic signs, while still being fully compliant with the Federal Highway Administration (FHWA) Manual on Uniform Traffic Control Devices (MUTCD).

TraffiCalm's® Flashing Sign Systems offers scheduled operations, consolidates setup, smart solar power, hassle free install, retrofit design and the ability to have everything work wirelessly. When it comes to budget, safety, and calming traffic, think TraffiCalm®.

## FEATURES

### HIGHLY VISIBLE LED WARNING SIGNS

TraffiCalm fully outlines the shape of the sign, with the most LEDs on the market, for a bright, visible sign in any environmental condition.

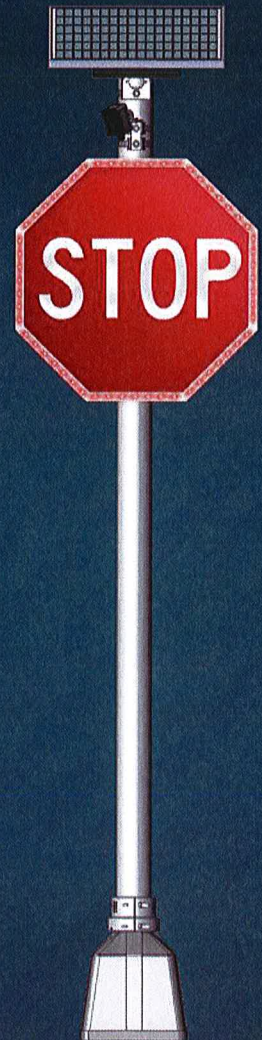
### RETROFITTABLE LED RINGS

Utilize existing signage and add our LED sign rings for a more cost-effective solution.

### RUGGEDIZED ELECTRONICS

All electronics, radios, and LEDs are fully potted and environmentally sealed. The entire pole with the sign, controller, solar panels and batteries can be fully submerged and still operate.

TRAFFICALM.COM



RELEASED: 2019 /11 / 05

+1 855.738.2772 / [sales@trafficalm.com](mailto:sales@trafficalm.com)

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## SPECIFICATIONS

### ILLUMINATION

LEDs configured around perimeter of sign, within border (fully MUTCD compliant design)

LED Pitch: 1.9" (4.8cm) (on centers)

Red LEDs with 30° Viewing Angle, rated at 100,000 hours

DG3 white reflective sheeting applied to ring face for natural appearance

### COMPATIBILITY

Integrates with all Trafficalm SA300 Controllers and Collaborators and can be push button, speed (radar), time clock, or sensor activated

### CONSTRUCTION

14 gauge 5052 aluminum construction

Individually lensed LEDs recessed behind faceplate

Ring Depth: 0.4"/10.0mm to minimize impact on natural sign appearance

No mounting or wiring exposed on reverse of sign

### ENVIRONMENTAL

Nema 4x Enclosure

Potted electronics (hermetically sealed)

-40° C to + 60° C operating range [-29° F to +140° F]

## DETAILS

### PHYSICAL DESCRIPTION

Available Sizes: 24", 30", 36" or 48"

Retrofits to any existing Stop Sign manufactured to MUTCD requirements of corresponding size

Mounting: all LED hardware mounted within the white border of the sign. Mounted either with adhesive backing or included self tapping screws. Rivets may be utilized to improve tamper resistance

MUTCD compliant LED placement and usage

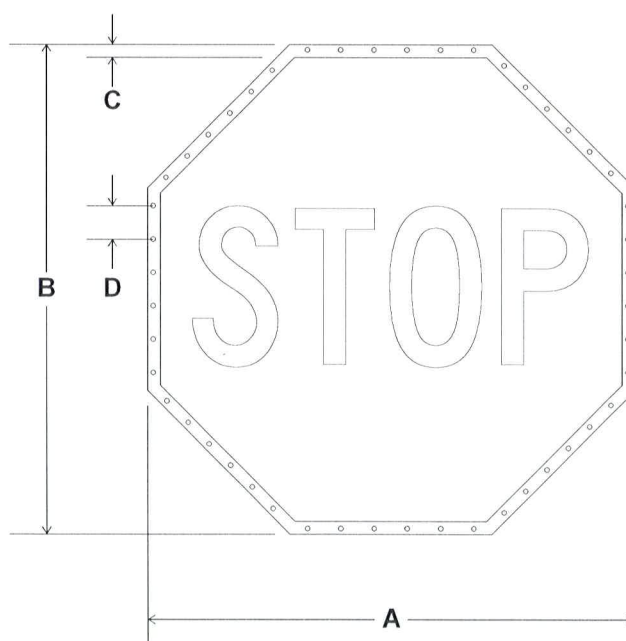
10ft. (3m) single cable extension to reach Controller or Collaborator

Ring can be factory installed to a new static sign, per the available part numbers shown below

Includes a 5 year limited warranty and unlimited tech support from US based factory technicians

MUTCD Sign Size	Part Number	Ring Length (A)	Ring Height (B)	Ring Width (C)	LED Offset (D)
24"	M75-R2424-WR01	24"/61cm	24"/61cm	.625"/1.6cm	1.9"/4.8cm
30"	M75-R3030-WR01	30"/76cm	30"/76cm	.625"/1.6cm	1.9"/4.8cm
36"	M75-R3636-WR01	36"/91cm	36"/91cm	.625"/1.6cm	1.9"/4.8cm
48"	M75-R4848-WR01	48"/122cm	48"/122cm	.625"/1.6cm	1.9"/4.8cm

MUTCD Sign Size	Part Number	LED Count	Light Output (cd)	Power (Watts)	Static Sign (PN)
24"	M75-R2424-WR01	40	270000	3.20	
30"	M75-R3030-WR01	48	324000	3.84	
36"	M75-R3636-WR01	48	324000	3.84	
48"	M75-R4848-WR01	48	324000	3.84	



## Village Board Summary and Recommendation Sheet

**Meeting Date:** September 5, 2023

**The Item:** 2023-025 AN ORDINANCE DIRECTING THE PLACEMENT OF OFFICIAL STOP SIGNS AT THE INTERSECTION OF NORTH TOWNE ROAD & VINBURN ROAD.

**Lead Staff:** Greg Hall and Judd Blau

**Author:** Greg Hall

**Attachments:** Ordinance, cost estimates and data sheet for radar signs

**Requested Village Board Focus:** Action

**Summary of Issue:** Public Services received a HSIP grant to signalize Vinburn Road and Northtowne Road intersection in 2027. In the interim, Staff were to look into costs to install stop signs at the intersection to help make it safer for residents.

We looked into flashing stop signs with radar and without. The difference between radar and no radar is:

- Flashing Stops WITHOUT Radar - \$7,514.20
  - This would be a simple plug and play flashing stop sign. Meaning that it would flash 24-7, and does not allow the capability of changing the flash cycle, utilizing a radar, using a schedule, etc....
- Flashing Stops WITH Radar - \$10,689.80
  - These systems would allow the use of a Radar Unit in conjunction with the Flashing Stop. For example, as soon as a vehicle crosses the path of the radar, it will trigger the sign to start flashing for a programmed amount of time (20 seconds, 30 seconds, etc....).
  - These systems would also allow you to utilize different flash cycles, scheduling capabilities, etc...

There're similar signs in the Village of Windsor at the intersections of Vinburn Road and Portage Road and Windsor Road and Portage Road.

**Recommendation:** Staff recommends that the Village Board accept the recommendations by the Chief of Police and Public Services Committee to install the four-way stop with radar signs at the intersection of Vinburn Road and Northtowne Road.

**Anticipated Next Steps:** Order signs, install the four-way stop and notify residents of the installation of the signs.



### Notice of Newly Enacted Ordinance

Please take notice that the Village Board of DeForest, Wisconsin enacted Ordinance 2023-025: An Ordinance Directing the Placement of Official Stop Signs at the Intersection of North Towne Road & Vinburn Road. This ordinance allows for the installation of stop signs to be placed at the intersection of Vinburn Road and North Towne Road.

The full text of Ordinance 2023-025 may be obtained at the office of the Village Clerk, 120 S. Stevenson Street, DeForest, Wisconsin or through the Village's website at <http://www.vi.deforest.wi.us>.

Clerk's Telephone No.: (608) 846-6751.