

To: City of Manitowoc Public Safety Committee

Alderson Chris Able, Chair
Alderson Jason Sladky, Vice-Chair
Alderson Dave Soeldner
Alderson Lee Kummer
Alderson Steve Czekala

Re: Crosswalk safety at Jackson Elementary School

From: Duane Simmons
Principal, Jackson Elementary School
1201 North 18th St.

Dear Public Safety Committee,

I am writing to respectfully request your assistance to address safety concerns related to traffic control around Jackson Elementary School. Jackson is located on the South East corner of 18th and Menasha. Both of these streets are busy and we have a large number of students who cross the street at five different locations. At two of these locations we have crossing guards that help control traffic and at the other three locations we have 5th and 6th grade students who are stationed on opposite sides of the street to make sure traffic stops in both directions prior to students crossing.

As a first year principal I was alarmed by the number of vehicles that do not stop to allow students to cross the street. From my observations, the high risk areas are the locations that are **not** patrolled by a crossing guard who is equipped with a hand held stop sign. At these locations our 5th and 6th grade students stand at the entrance of the crosswalk to instruct students when traffic has stopped in both directions and it is safe to cross. The problem is we are combining elementary students with drivers who are uncertain about when to stop.

Dangerous scenarios include students running around the safety patrol in front of a car that does not realize their obligation to stop. A more likely scenario for a tragedy occurs when a driver from one direction stops, students think it is safe to cross, but the driver from the other direction does not stop.

Although I have stationed extra adults in these high risk areas to help manage the flow of students, it has not increased the number of vehicles who are stopping.

I am requesting the safety committee approve the installation of push button activated, LED flashing crosswalk signs (see included example) at the highlighted locations on the enclosed map. Our safety patrol students would then be able to press the button causing the signs to flash at drivers coming from both directions. This has been proven to increase the likelihood that drivers from both directions will notice the crosswalk and yield to pedestrians.

Thank you for your attention to this matter. I welcome the City's recommendations on the most effective crosswalk system for our school and appreciate your leadership having this system installed to keep our students safe.

Very Sincerely and Respectfully,

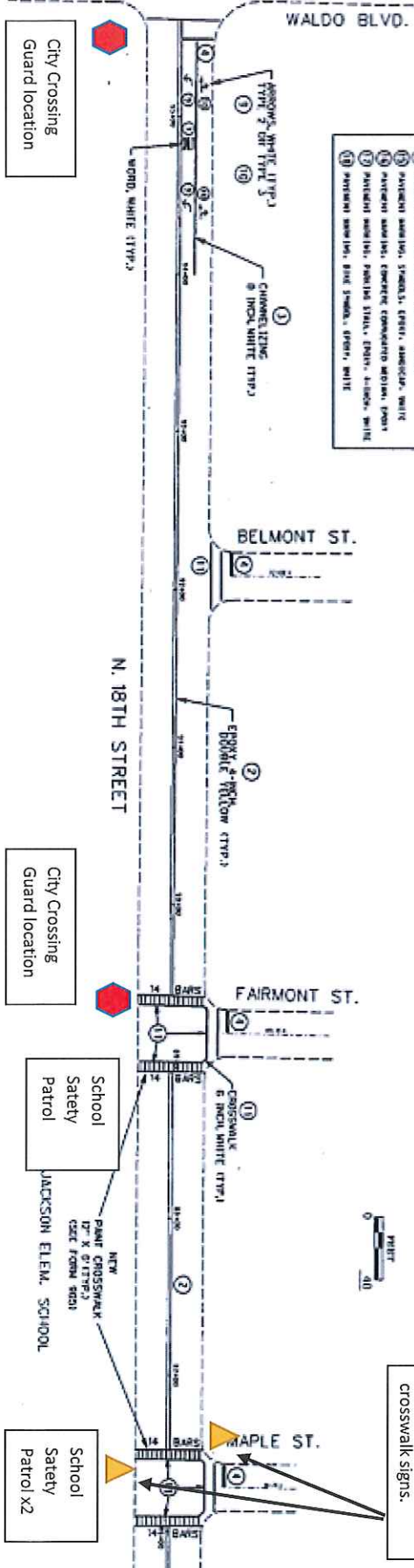
Duane Simmons
Principal, Jackson Elementary School
920-663-9522
encs.

WISCONSIN

8 INCH WHITE
ARROWS: 2
TYPE 2-2
⑦

PAVEMENT MARKING LEGEND

- ① Pavement markings, 100% - 4-INCH, WHITE
- ② Pavement markings, 100% - 4-INCH, SQUARE YELLOW
- ②A Pavement markings, 100% - 4-INCH, YELLOW
- ③ Pavement markings, CHANNELIZING, 100% - 4-INCH
- ④ Pavement markings, STOP LINE, 100% - 4-INCH
- ④A Pavement markings, STOP LINE - 100% - 4-INCH
- ⑤ Pavement markings, 100% - 4-INCH, WHITE
- ⑥ Pavement markings, 100% - 4-INCH, YELLOW
- ⑦ Pavement markings, 100% - 4-INCH, WHITE
- ⑧ Pavement markings, 100% - 4-INCH, WHITE
- ⑨ Pavement markings, 100% - 4-INCH, WHITE
- ⑩ Pavement markings, 100% - 4-INCH, WHITE
- ⑪ Pavement markings, 100% - 4-INCH, WHITE
- ⑫ Pavement markings, 100% - 4-INCH, WHITE
- ⑬ Pavement markings, 100% - 4-INCH, WHITE
- ⑭ Pavement markings, 100% - 4-INCH, WHITE
- ⑮ Pavement markings, 100% - 4-INCH, WHITE
- ⑯ Pavement markings, 100% - 4-INCH, WHITE
- ⑰ Pavement markings, 100% - 4-INCH, WHITE
- ⑱ Pavement markings, 100% - 4-INCH, WHITE

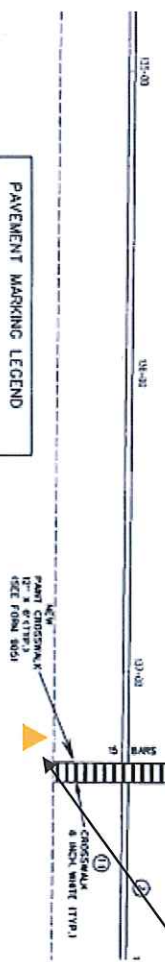


CITY of Ashland, Wisconsin
Engineering Dept

N. 18T

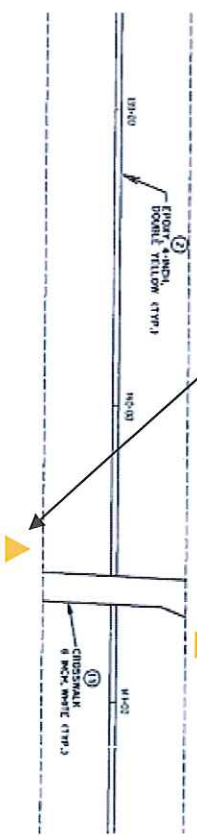
REDEEMER LUTHER CHURCH

MENASHA AVE.



Proposed location of button operated LED crosswalk signs.

JACKSON ELEM. SCHOOL



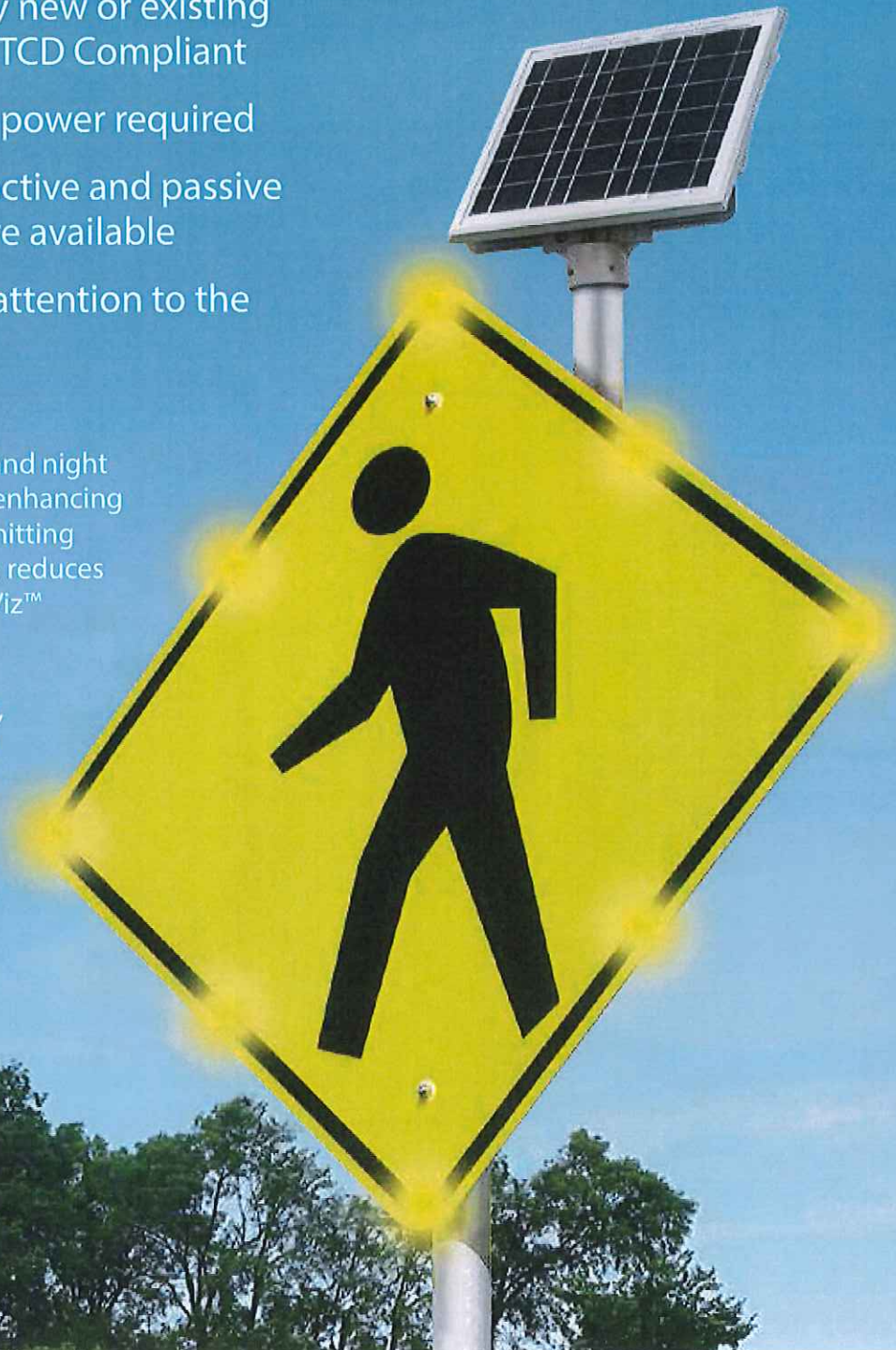
PAYEMENT MARKING LEGEND

- ① Pavement markings: Green, white
- ② Pavement markings: Green, white, double yellow
- ③ Pavement markings: Green, white, yellow
- ④ Pavement markings: Green, white, yellow, double yellow
- ⑤ Pavement markings: Green, white, yellow, double yellow, double red
- ⑥ Pavement markings: Green, white, yellow, double red
- ⑦ Pavement markings: Green, white, yellow, double red, double yellow
- ⑧ Pavement markings: Green, white, yellow, double red, double yellow, double blue
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BlinkerSign[®] Flashing LED Sign Pedestrian Crossing W11-2

- Installs easily onto any new or existing sign post or poles MUTCD Compliant
- Solar Powered, no AC power required
- 24 /7 Operation, but active and passive activation methods are available
- Perimeter LEDs draw attention to the sign face

Flashing LEDs get noticed day and night TAPCO's brilliant innovation of enhancing traffic signs with LEDs (Light-Emitting Diodes) makes crosswalks safer, reduces accidents and saves lives! Day-Viz[™] (Daylight Visible) BlinkerSigns feature an array of incredibly bright LEDs that flash in unison, once per second, commanding the attention of drivers day and night.



Features

- Installs easily onto any new or existing sign post
- Can be integrated into an ITS (Intelligent Transportation System)
- High intensity Day-Viz™ LEDs command attention day and night
- Can be programmed to operate continuously (24/7) or triggered by optional push-button, wireless bollard or pedestrian motion detectors
- Proprietary circuitry automatically adjusts light output for maximum visibility and battery efficiency
- Heightened driver awareness
- Increased visibility at high incident intersections

Applications

- New crosswalk locations
- High incident intersections
- Rural roads
- Advance crosswalk warnings

Benefits

- Reduce accidents, incidents and fatalities
- Federally approved (MUTCD compliant)
- Eco-friendly
- Heightened driver awareness
- Increased visibility at high incident crosswalks

Optional BlinkerBeam® Wireless Communication

Systems can be activated and controlled with BlinkerBeam® self-powered wireless transmitters and receivers. These compact controllers activate systems wirelessly within a 1000 ft. range line of site (longer distances available with external antennas). BlinkerBeam® can be activated and controlled from a remote location, allowing for immediate implementation of warning, emergency and evacuation systems. Electric grid independence provides activation during power outages and remote locations.



Visit **Traffic and Parking** on YouTube for videos on our products and more.



Fluorescent Yellow Green sheeting required for school area traffic signs (optional for pedestrian and bicycle sign)

Standard Specifications (subject to change without notice)

Sign	
Sign Substrate	.080 Highway Grade Aluminum
Reflective Sheeting	3M™ DG3- with anti-graffiti overlay
MUTCD Compliance	MUTCD Section 2A.07 Compliant
Day-Viz® Management System (patent pending)	
Battery	Nickel Metal Hydride (NiHM)- 14,000mAh
Flash Pattern	MUTCD Compliant
LED Type	High Power Luxeon- 1 watt
LED Life Expectancy	100,000 hours
Warranty	
3 Years	
Smart Activation Options	
24/7 continuous LED flash	
Push-button	
Wireless bollard	
Pedestrian presence detector	



Optional Push Button Activation

Activated with less than 2 lbs. of force. Provides two-tone audible confirmation as well as visual confirmation. Meets ADA, MUTCD and TAC requirements, and housing meets NEMA specifications. Remote mounting available. Audible navigation units are available.



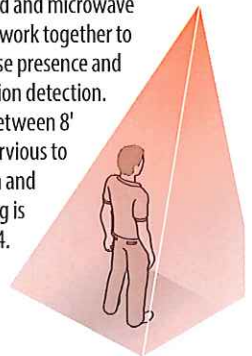
Optional Wireless Bollard Activation

Pedestrians and bicyclists can passively trigger flashing BlinkerSign® LED signs, RRFB, BlinkerBeacon™ LED Beacons, in-pavement LEDs and other ITS devices. Actuators are housed in anodized aluminum cabinets that can be secured to concrete or asphalt. Battery operated: no grid wiring required.



Optional Pedestrian Presence Detector

Active infrared and microwave technologies work together to provide precise presence and accurate motion detection. Mountable between 8' and 16'. Impervious to light, sun rain and snow. Housing is rated NEMA-4.



TAPCO



1-800-236-0112 • www.tapconet.com • blinkersales@tapconet.com

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PATENT NUMBERS 6,943,698 AND 6,693,556. OTHER PATENTS PENDING

1005-00003 (01/30/15)