

Curve Warning System



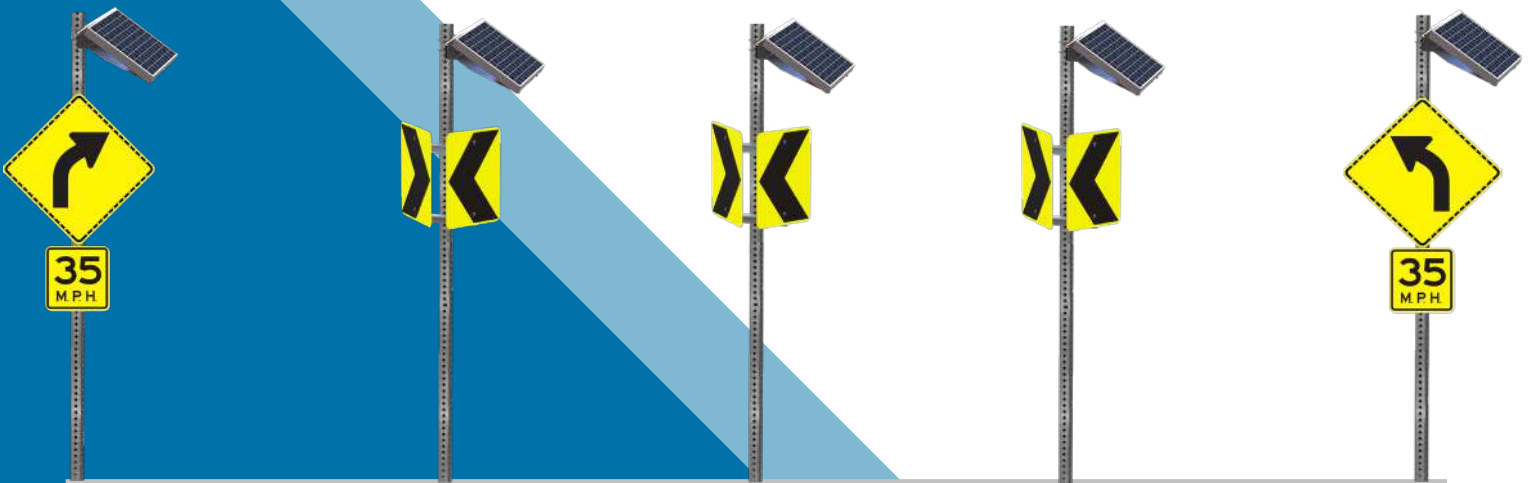
TraffiCalm™ Curve Warning System is designed to give drivers an elevated level of visual guidance when approaching curves. Our Chevrons are ideal for use on today's highways that present an elevated threat for vehicle lane departures. The sign retrofit features a high visibility display that perfectly outlines the Chevron legend with between 80 and 160 high intensity amber LEDs (depending on sign size) and boasts an effective angularity of 15°.

Multiple Chevrons in a single location are configured as a single network and flash sequentially in the direction of traffic.

2-channel logic allows systems operating on bi-directional roadways to work autonomously and independently of one another.

Available Options

- ✔ Scheduled Operation
- ✔ Over Speed Activated
- ✔ Event Activated
 - Over Height
 - Icy Road
- ✔ Non-Sequential - 24/7
- ✔ MUTCD Compliant



1,000,000 Millicandela

Depending on size of the sign, there are either 80 to 160 high intensity amber LED's providing a nominal light intensity of up to 1,000,000 mcd with an effective viewing angle of 15°. This accentuates the sign legend with high visibility and high resolution, increasing conspicuity of existing Chevron Signs (W1-8).

The Flashing Sign LED Enhancement and the functionality of the system are fully compliant with the FHWA Manual on Uniform Traffic Control Devices (MUTCD).



One Piece - Potted and Sealed LED Enclosure provides the most protection against the elements

- .080" 5052 Highway Grade Aluminum
- Black Powder Coated for surface durability

Keep Your Sign:

All Sequential Chevron components are designed to easily adapt and retrofit to existing infrastructure ...

Including Signs!

LEDs are rated for 100,000 hours

1,000,000 millicandela sign output (nominal daylight maximum)

80 LEDs arranged to outline legend on 18 x 24, 112 LEDs outline on the 24 x 30, 128 LEDs on 30 x 36 and 160 LEDs on 36 X 48 W1-8 Signs

Thin LED assemblies are mounted using accommodations (holes) for bolt-mounting directly to sign and post

LEDs are wired in strings to activate simultaneously per MUTCD

All LEDs will continue to flash in the event of an individual LED failure

All assemblies are manufactured in our ISO 9001:2015 Facility



Maximized Perceptibility

ORANGE BEAM - Represents the intermittent light that a narrow angularity of just 10° provides a driver through the curve

GOLD BEAM - Represents the interconnectivity of light provided to a driver with...

**Effective
15° Angularity**

The wide angularity of the TrafficCalm™ Chevron System sets us apart

Each LED's wide angularity produces a 15° cone of view with dimming capabilities, producing maximum road coverage and producing the optimal output in various weather and lighting conditions

15° angularity provides optimal light intensity at every point of travel a driver makes throughout the curve



TrafficCalm™ RADAR

- 3.75" W x 2.5" H x 2.25" D
- Weatherproof NEMA 4 Enclosure
- K-band (24.15GHz)
- Average Range - 1,000' / 305m



WiFi Connectivity without the need for Internet Connection

Connectivity with all Browser-Enabled devices

Speed-Triggered Flash Patterns

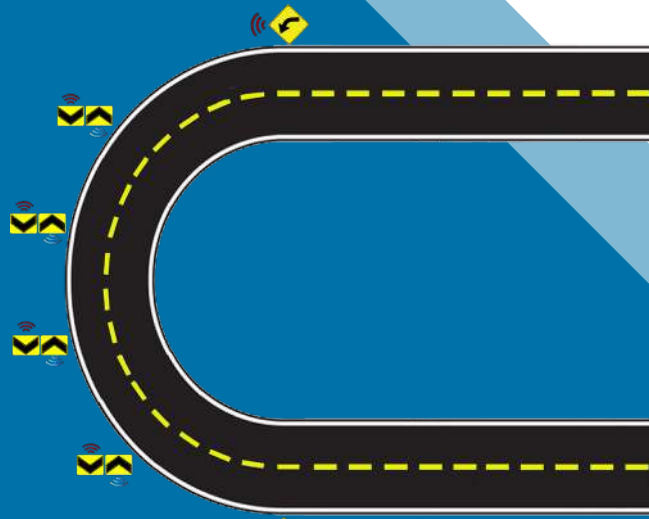
Dual Speed Thresholds

Multiple Flash Patterns

Dimming Control

Scheduled Operation





Controller/ Collabator Unit - SOLAR	
Weight with Battery	20W = 25 lbs (11.3 kg) 30 Watt = 28 lbs (12.7 kg) excluding poles
Power Requirements	
Voltage	12VDC Nominal
Charger	Smart solar charger 14.6VDC, 28W temperature protected
Communications	Wireless Meshnet integration (device 2 device, +1,000ft range, repeatable signal, configurable network ID, AES-128 Encryption security, DSSS transmissions on selectable channels)
Battery Reserve	28 days @ standard load (standard load = 25% activations per day with a single flasher ring) with no sunlight
Isolation Required	2 hours of good sunlight each day @ standard load
Panel Supplied	20W, 30W, 50W and 60W available
Outputs	2 Chevrons @ 10W each
Enclosure Rating	NEMA 4
Mounting	Universal Pole Mount included (Optional Top of Pole & Side of Pole extension mounts available)
Flush Mounted LED Flasher Rings	
Size	Standard Chevron Legend Size for 18x24, 24x30, 30x36 and 36 x 48 sign sizes - Reference MUTCD. .080" 5052 grade, black powder coated aluminum
Mounting	Bolt-Mounting directly to sign and post
LEDs	Amber (590nm): 15 degree cone of view; Rated 100,000 hours; 2.4K CDA/ M^2, Auto Dimming Employed
Power	10V to 18V
	0W standby or OFF (No power required)
Flash Patterns	50 - 60 flashes per minute; 50% Duty Cycle. Additional alternative flash patterns available and are user programmable
Dimming	100 levels as determined by solar panel illumination or light sensor (AC)
System Operating Temperature Range	
Components	-40°C to +74°C
Battery	-40°C to +60°C (Low Temp "E" Variation required)

Released 20200513

Distributed by: