

## SPEED AWARENESS SOLUTIONS



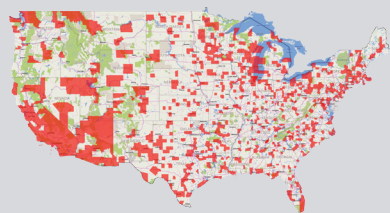




As an industry-leading innovator, TAPCO manufactures, services and distributes a wide portfolio of traffic and parking safety solutions designed to increase safe travels for all. Since 1956, we have set the standard for delivering reliable, cutting-edge traffic safety enhancements. From our world-renowned line of LED-enhanced BlinkerSign® solutions to our pedestrian crossing products and early detection warning systems, safety is at the heart of all TAPCO innovations.

### Generations of Expertise

Working alongside traffic professionals for more than 60 years gives our team an exclusive perspective on the past, present and future needs of the traffic and parking safety industry.



### A Nationwide Reach

With successful solution installations throughout all 50 states, we understand the safety concerns communities face across the nation.

### Innovative, Smart City Technology

Our mission is to continue to lead the industry with an innovative, customer-focused approach that evolves with the technological demands of our customers.



### Award-Winning Mindset

At TAPCO, we take pride in establishing and maintaining our innovative culture.

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## Vehicle Speeds: A Matter of Life and Death

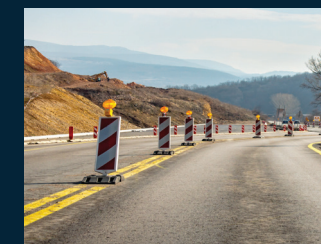
In 2020, speeding fatalities saw an increase of 17% — even though there were less cars on the road. According to the National Highway Traffic Safety Administration (NHTSA), this increase in speeding-related fatalities means that in 2020, 29% of all traffic deaths involved speeding and 11,258 people lost their lives. Therefore, increasing speed awareness at speeding hotspots is a crucial factor that can make the difference between a safe trip and a deadly collision.

## Common Speeding Factors



### Reduced Speeds in School Zones

Because speed limits in school zones change according to the time of day and season, drivers are more likely to travel at the wrong speeds, putting students in peril.



### Newly Constructed Roads

Drivers are more likely to become confused or distracted on new roadways, missing or overestimating the posted speed limit — a major safety hazard for themselves and other road users.



### Changing Speed Limits

When drivers are familiar with a roadway, they often settle into a speed routine and may not notice a newly posted speed limit, jeopardizing safety.

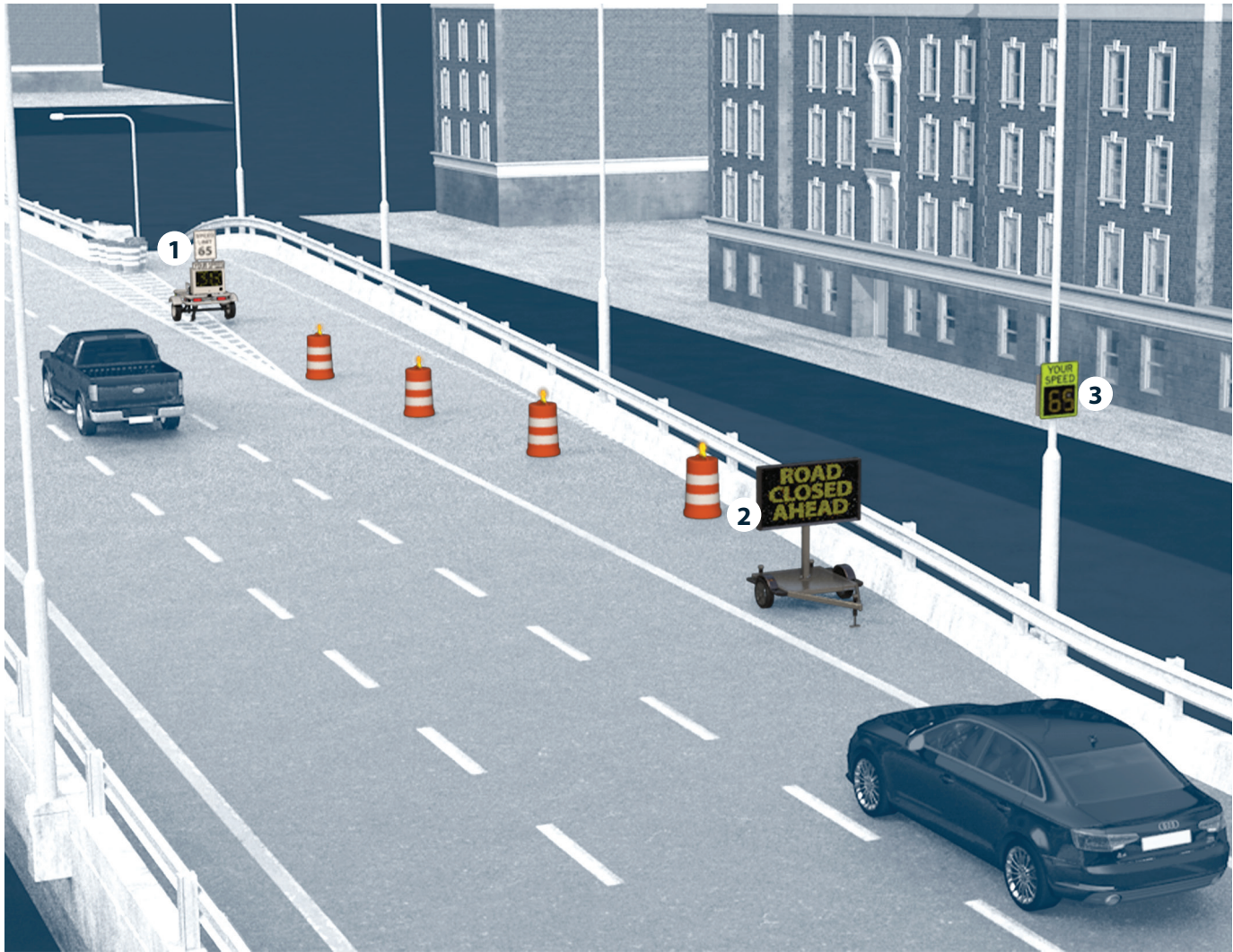


# SYSTEM OVERVIEW

## SPEED AWARENESS SOLUTIONS

Thousands of communities across the U.S. and beyond have used TAPCO speed awareness solutions, including LED-enhanced speed limit signs and driver feedback signs, to slow speeding drivers when traditional static speed limit signs were ineffective.

Leverage these cost-effective, MUTCD-compliant solutions in school zones, on corporate campuses and focused roadways with heavy foot traffic, increasing the safety for drivers and vulnerable road users alike.



- 1 RADAR SPEED TRAILER**  
Radar speed display trailers calm traffic and automatically adjust to ambient light conditions.

- 2 VARIABLE MESSAGE SIGN**  
The board provides drivers with a customizable warning message and displays their speed.

- 3 DRIVER FEEDBACK SIGN**  
Radar technology captures and displays drivers' speeds.

# SYSTEM OVERVIEW

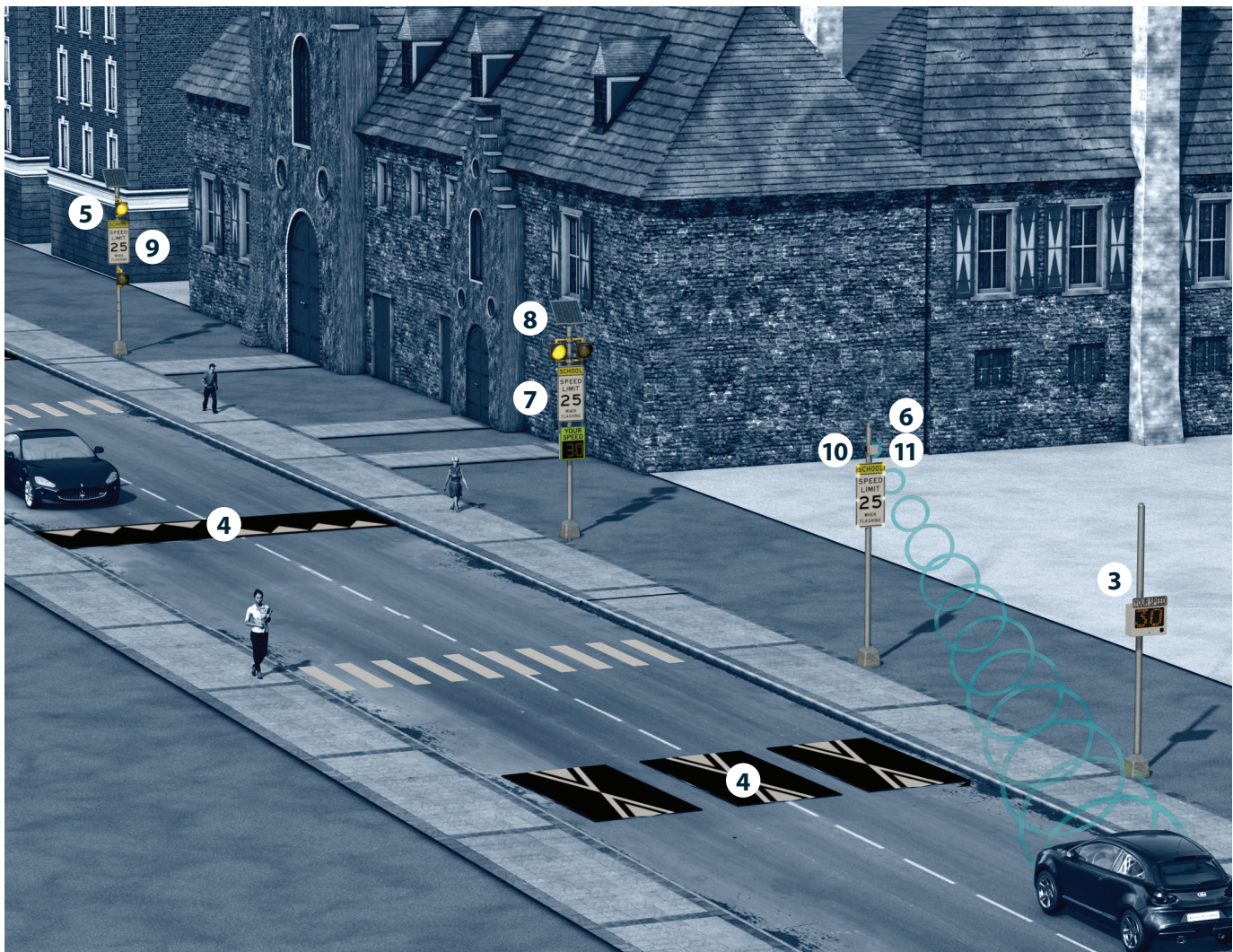
## SPEED AWARENESS SOLUTIONS

- 4 SPEED HUMPS, CUSHIONS AND TABLES**  
Parabolic raised devices that are placed across roadways to slow traffic.

- 5 BLINKERSIGN® AND BLINKERBEACON™**  
Warning alerts command drivers' attention, notifying them of the posted speed limit.

- 6 SMART CITY SOFTWARE**  
Access and monitor traffic systems anywhere, anytime.

- 7 BLINKERRADAR™**  
BlinkerRadar™ driver feedback signs paired with school zone speed limit signs and radar feedback signs to inform drivers of their speed and the posted speed limit.



- 8 POWER OPTIONS**  
Utilizing solar, battery and/or AC power, systems can be designed to fit your power or environmental needs.

- 9 TIME CLOCK**  
A time clock provides traffic engineers with the ability to schedule system activation within specific time frames.

- 10 RADAR**  
Radar sensors provides continual driver feedback, triggering warning alerts to flash only when a speeding vehicle is detected.

- 11 TIME CLOCK AND RADAR**  
When a speeding vehicle is detected while time clock scheduling is active, amber and white LEDs flash in an eye-catching, wig-wag pattern.



# SYSTEM ACTIVATIONS

## RADAR AND TIME CLOCK

Customizable options are available for system activation, creating dynamic warnings that increase safety and compliance outcomes.



### RADAR

Radar sensors provide continual driver feedback functionality. When a speeding vehicle is detected, flashing, LED-enhanced warning alerts are triggered, increasing speed limit awareness.



### TIME CLOCK

Time clocks enable traffic officials to schedule flashing warning alerts. A time clock is ideal for school zones or other areas where pedestrians are highly concentrated at certain times of the day.

# SYSTEM ACTIVATIONS

## 24/7 AND TIME CLOCK WITH RADAR

Speed awareness alerts can configure to flash in different patterns, allowing for customizable options to fit the need of specific locations.



### TIMECLOCK WITH RADAR

Amber LEDs flash at scheduled times. When a speeding vehicle is detected, white LEDs also flash to command attention and further promote speed limit compliance.



### 24/7 OPERATION

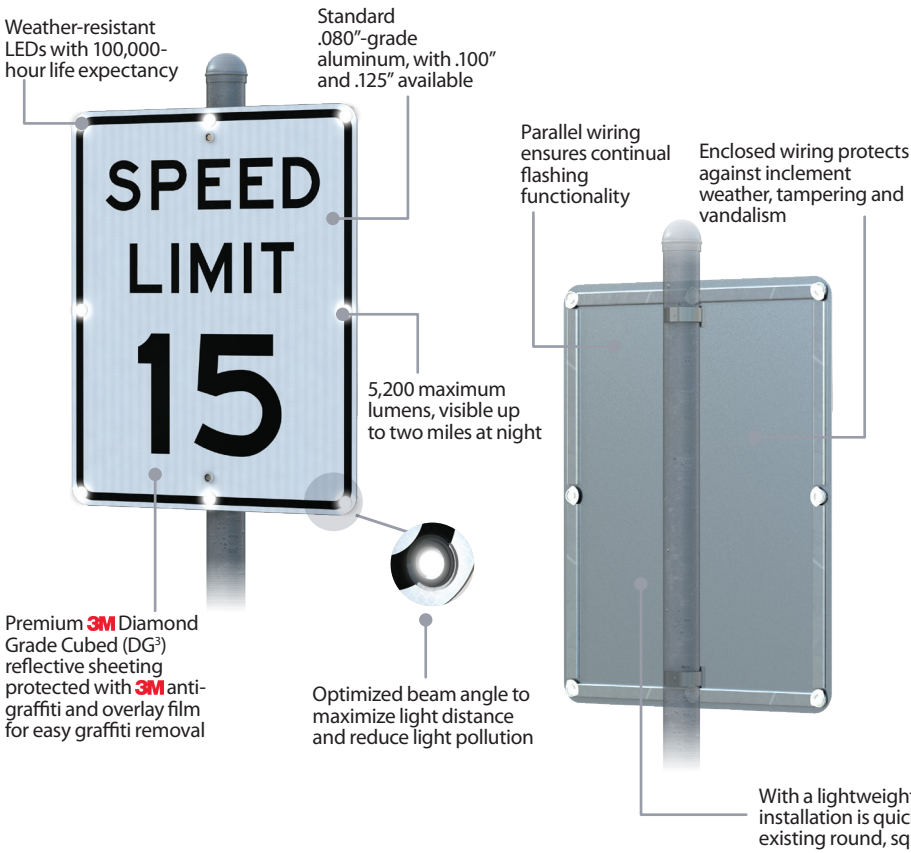
Because signs with 24/7 flashing, LED alerts are in constant operation, it is a cost-effective first step to improve safety in school and work zones, as well as on newly constructed roads.



# LED-ENHANCED WARNING ALERTS

## BLINKERSIGN® FLASHING LED SIGNS

BlinkerSign® Flashing LED Signs are engineered to increase drivers' awareness day and night.



### MUTCD COMPLIANT

- Each BlinkerSign® is MUTCD compliant and flashes in accordance with MUTCD section 2A.07

### HIGH QUALITY, MADE IN THE USA

- Manufactured in Brown Deer, Wisconsin, each BlinkerSign® is engineered to withstand the harshest environmental conditions

### VARIABLE DIMMING

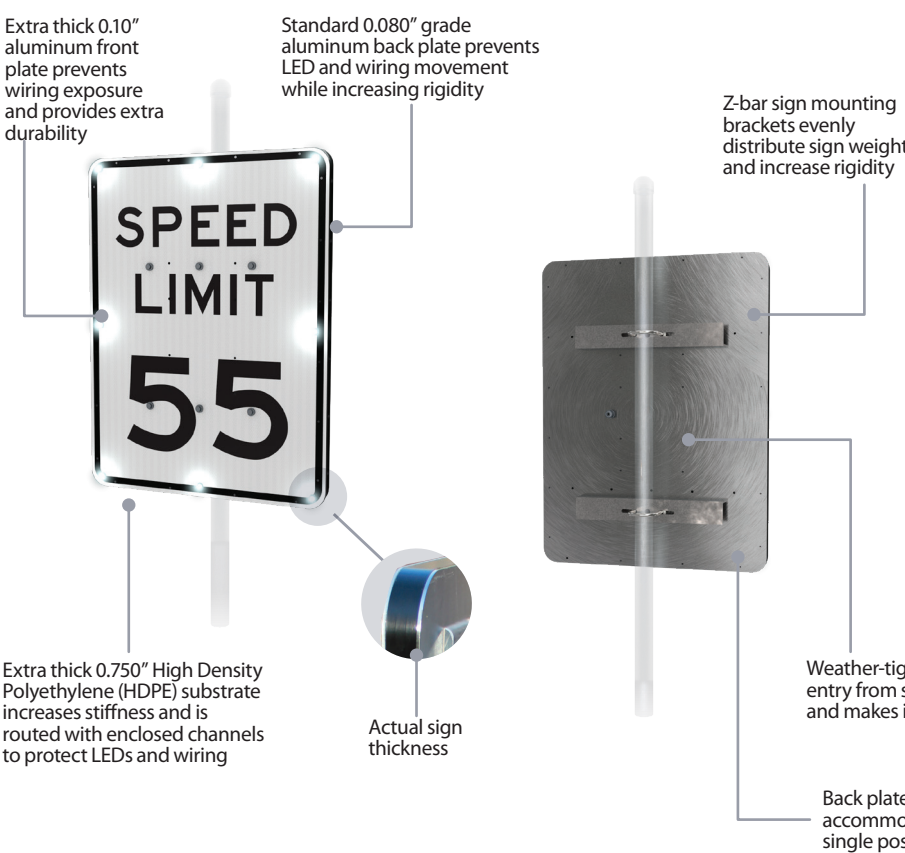
- LEDs automatically dim based on ambient light, maintaining optimal LED output and extending system autonomy



# LED-ENHANCED WARNING ALERTS

## RUGGEDIZED BLINKERSIGN® FLASHING LED SIGNS

Ruggedized BlinkerSign® Flashing LED Signs are engineered to increase drivers' awareness day and night.



### MUTCD COMPLIANT

- Each Ruggedized sign is MUTCD compliant and flashes in accordance with MUTCD section 2A.07

### HIGH QUALITY, MADE IN THE USA

- Manufactured and engineered in Brown Deer, Wisconsin, to withstand the harshest environmental conditions

### VARIABLE DIMMING

- LEDs automatically dim based on ambient light, maintaining optimal LED output and extending system autonomy





# LED-ENHANCED WARNING ALERTS

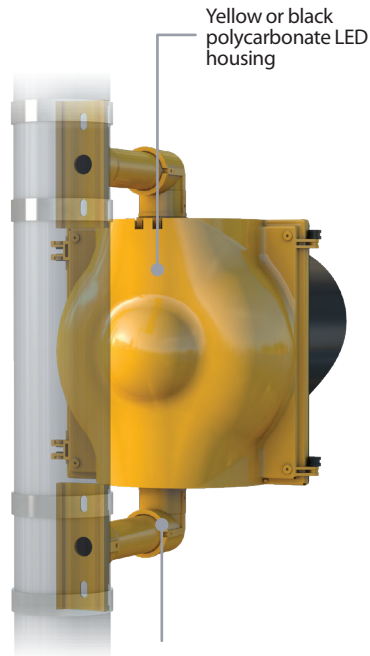
## BLINKERBEACON™ FLASHING LED BEACONS

BlinkerBeacon™ Flashing LED Beacons provide drivers with real-time warnings of different speed limits, and other roadway warnings.

12" round amber LED visible up to one mile away at night, with 100,000-hour life expectancy



Black polycarbonate cut visor and door are standard with yellow available upon request



Aluminum mounting assembly painted to match LED housing

### MUTCD COMPLIANT

- Each BlinkerBeacon™ can flash in accordance with MUTCD section 4L.03

### VARIABLE DIMMING

- LEDs automatically dim based on ambient light, maintaining optimal LED output and extending system autonomy

### AVAILABLE OPTIONS

- 8" or 12" LED modules
- ITE-compliant options available
- Cut visor standard, with tunnel visor available



# SCHOOL ZONE SOLUTIONS

## SCHOOL ZONE SPEED LIMIT WARNING

While paired with BlinkerSign or BlinkerBeacon LEDs, school zone speed limit warning signs command added attention to posted school zone speeds.



### SCHOOL ZONE SPEED LIMIT WARNING BLINKERSIGN®

The School Zone Speed Limit BlinkerSign® is enhanced with six white LEDs that surround the perimeter of the speed limit sign face and four amber LEDs that surround the perimeter of the school zone sign face.



### SCHOOL ZONE SPEED LIMIT WARNING BLINKERBEACON™

Programmed to flash during set times via time clock functionality, the School Zone Speed Limit BlinkerBeacon™ comes standard with two (2) 12-inch amber LED BlinkerBeacons.





# BLINKERRADAR™ SYSTEMS

BLINKERSIGN® AND BLINKERBEACON™

BlinkerRadar™ Driver Feedback Systems are ideal for areas with changing speeds, such as school or construction zones. They are a low-cost, low-maintenance solution proven to increase safety by making drivers more vigilant.

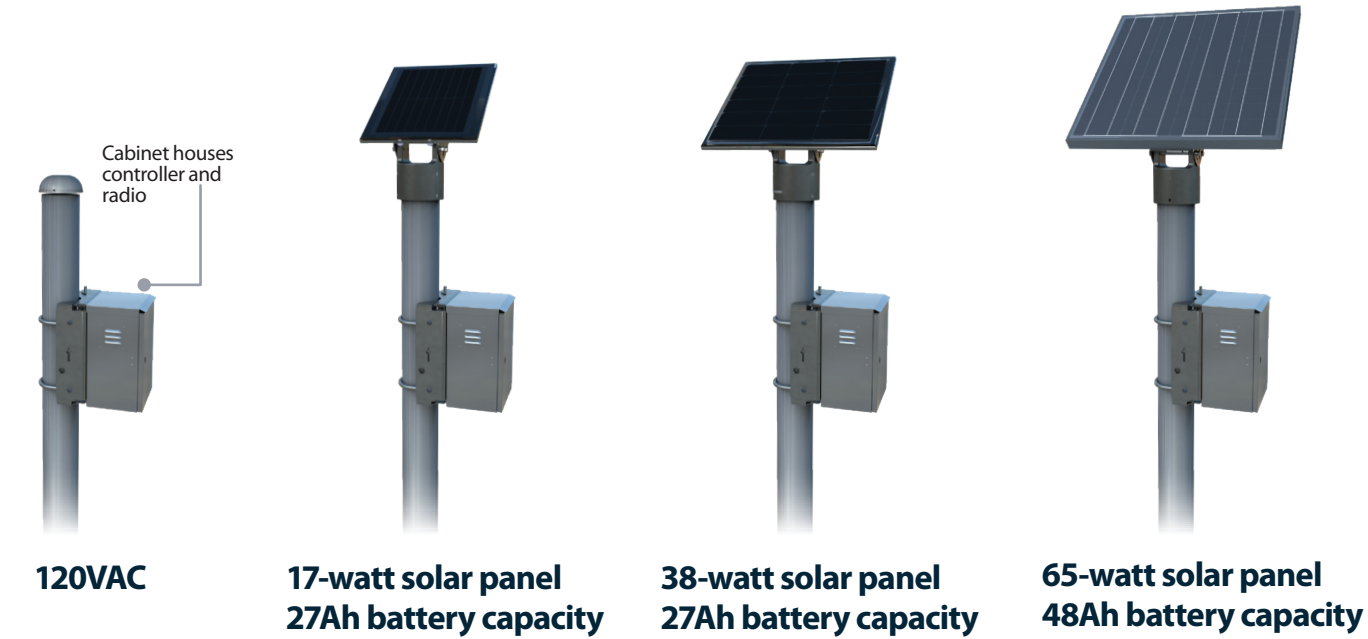
# POWER AND CONTROL OPTIONS

FLEX POWER

Flex Power options provide flexible system configuration (for multiple applications) and power requirements — all while allowing ease of access to control cabinets. TAPCO systems can be designed to fit to any power or environmental need.

## POPULAR POWER PACKAGES

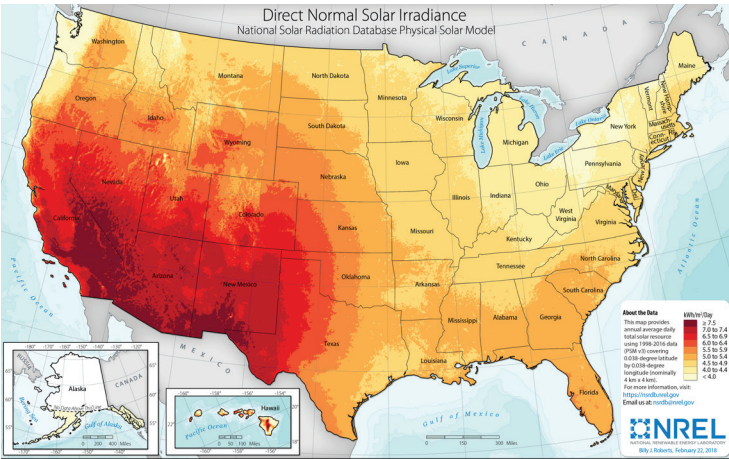
TAPCO offers many solar and AC power packages, including streetlight power. Some of the most popular offerings are shown below, with other options available upon request.



## SOLAR REQUIREMENTS

Solar calculations are conducted to optimize system power and ensure the right power configurations are utilized.

Call us today for a free solar consultation: **(800) 236-0112**







SafePace radar speed signs are designed to slow cars down - creating safer streets for all - by making drivers aware they are traveling above the speed limit.

Crucially, these signs are proven to be effective with distracted and impaired drivers.

**Proven to slow drivers by 10%, usually for several miles down the road**

- EVOLUTION 11**
- 11" digits
  - 2-digit display only
  - Budget-friendly option

- EVOLUTION 12**
- 12" digits
  - 2 or 3-digit display
  - Speed-activated digit color changes

- EVOLUTION 12FM**
- 12" digits
  - 2 or 3-digit display
  - Custom messages or graphics
  - Choice of messaging color





# DRIVER FEEDBACK SIGNS

## EVOLUTION 15 AND 18



### EVOLUTION 15

- 15" digits
- 3-digit display
- Speed-activated digit color changes
- Choice of messaging color
- Speed-activated "SLOW DOWN" message



### EVOLUTION 15FM

- 15" digits
- 3-digit display
- Custom messages or graphics
- Speed-activated digit color changes
- Choices of messaging color



### EVOLUTION 18FM

- 18" digits
- 3-digit display
- Custom messages or graphics
- Speed-activated digit color changes
- Choice of messaging color

# SAFE SPACE EVOLUTION SERIES

## COMPARISON CHART

Change the way motorists drive on your streets with intuitive speed awareness features, such as flashing digits, integrated strobe lights, easy-to-program sign options and built-in traffic data collection.



	Evolution 11	Evolution 12	Evolution 12FM	Evolution 15	Evolution 15FM	Evolution 18FM
Digit Size	11"	12"	12"	15"	15"	18"
Weight (without batteries)	20 lb	20 lb	20 lb	28 lb	28 lb	28 lb
24/7 Scheduling	√	√	√	√	√	√
Data Collection	√	√	√	√	√	√
Dual Color		√	√	√	√	√
Static Slow Down Message				√		
Custom Messaging			√		√	√
Solar Compatibility	√	√	√	√	√	√
Battery Operated	√	√	√	√	√	√
Universal Mounting	√	√	√			
Cloud Compatibility	√	√	√	√	√	√
Trailer Compatibility	√	√	√	√	√	√
Dolly Compatibility	√	√	√	√	√	√
Hitch Compatibility	√	√	√	√	√	√
Warranty	2 years	2 years	2 years	2 years	2 years	2 years

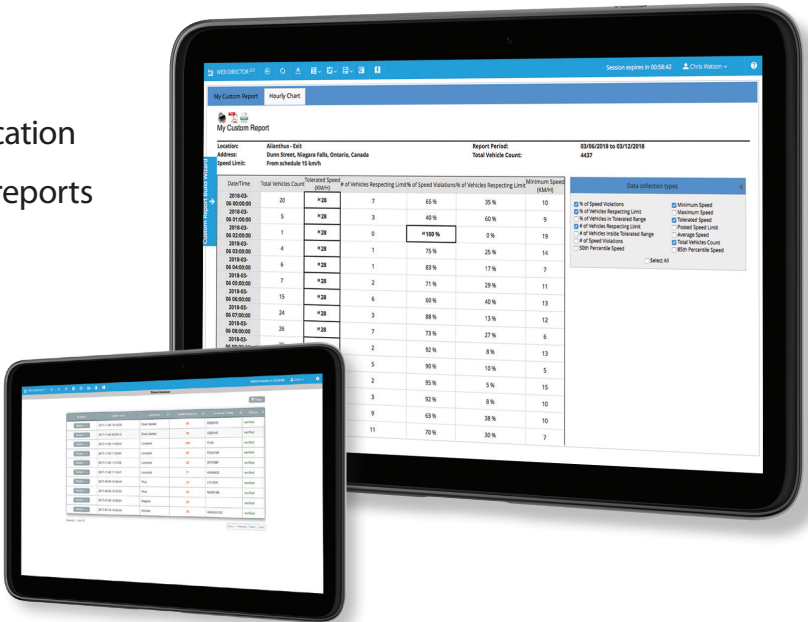
Signs are available in four colors. Select models include multiple LED color displays as shown.



With the ability to connect to and control your signs from any internet-connected device, the SafePace Cloud allows for remote management of intelligent traffic control.

- View real-time sign data
- Access all sign statistics from one location
- Download detailed traffic data and reports
- Create customized alerts
- Change settings and parameters
- Cut down on workforce hours

With the unlimited possibilities of remote management, SafePace Cloud helps maximize the performance of SafePace signs.



## SMARTER SIGNS WITH THE CLOUD



### ALERTS

Set up automated alerts for speeding thresholds, low battery or tampering.



### SIGN MANAGEMENT

Manage all signs from one screen, accessing more granular data simply and quickly.



### DATA AND REPORTING

View updates, access real-time data and generate reports to analyze and improve your traffic management program.



### IMPROVED EFFICIENCY

Improve workforce efficiency and optimize resources by reducing the travel time required for sign management.



### ZERO FOOTPRINT

Access traffic data from anywhere with no software or hardware required.



### MAPPING

Access detailed statistics and update settings, using the interactive mapping tool.

The Guardian Awareness, Guardian Standalone and Guardian Pro speed cameras capture images of speeding vehicles using either radar or LEDDAR technology. A cloud-based ticketing template sends automated messages to warn or penalize speed violators.



### GUARDIAN AWARENESS

- Integrates with all SafePace signs
- One-lane image capture
- Fixed installation



### GUARDIAN STANDALONE

- Discreet camera solution
- One-lane image capture
- Fixed installation



### GUARDIAN PRO

- Standalone system
- Multi-lane image capture
- Fixed or mobile installation

	GUARDIAN AWARENESS	GUARDIAN STANDALONE	GUARDIAN PRO
Technology	Radar	Radar	LEDDAR
Type of Environment	Single Lane, Low to Medium Volume	Single Lane, Low to High Volume	Multi-Lane, Low to High Volume
License Plate Recognition	Optional	Optional	Included
Front/Rear Image Capture	Front	Front or Rear	Front or Rear



# LED-ENHANCED WARNING ALERTS

## VARIABLE MESSAGING

Show drivers exactly what they need to know in real time with the versatile SafePace VMS30. This web-enabled variable message sign allows you to instantly update messaging — plus, there's the option to display driver speed

Additionally, the VMS30 offers driver responsive messaging, a choice of text size and color choices, mounting and power options and the ability to gather traffic statistics to create valuable reports.

### FEATURES

- Customized messaging for displaying your choice of text, graphics and images
- Advanced scheduling for the planning of holidays, weekends and time of day
- Data collection statistics for traffic studies and reports
- Integrated flashing speed violator alert options



# ENHANCEMENTS

## ACCESSORIES



### SIGN DOLLY

Deploy your SafePace Evolution signs in multiple locations.

- Indoor and outdoor usage
- Lightweight and easy to transport
- Simple to lock into place



### TRAILER HITCH

Mount SafePace signs onto the trunk of a vehicle on a temporary basis as needed.

- Portability with easy park and lock
- Temporary placement
- Ability to test sites before full installation



### CRUISER VMS TRAILER

Inform drivers of changes in driving patterns or special events.

- Constructed of durable, long-lasting steel
- Designed just for your SafePace VMS signs



### SAFEPACE CRUISER LT

Calm traffic on the go with a rotating speed trailer.

- Speed displays from any angle
- Sign face protected during travel
- Calms traffic instantly



# ENHANCEMENTS

## ACCESSORIES

Traffic Logix speed humps, cushions and tables are rubber products that raise the pavement in order to calm traffic, creating safer roadways.

### SPEED HUMPS



Raised areas of pavement typically 7 to 14 feet in length. Often placed in a series spaced 300 to 600 feet apart.

- Used primarily on residential streets in mid-block placements
- Not typically used on major roads, bus routes, primary emergency response routes or road grades greater than 8 percent

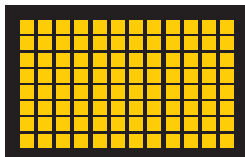
### SPEED CUSHIONS



Raised areas of pavement typically 6 feet in width and 7, 10 or 14 feet in length. Often placed in a series spaced 200 to 500 feet apart.

- Used primarily on residential streets in mid-block placements: school zones, hospitals, parks, airports and military bases
- Not typically used on major roads or road grades greater than 8 percent
- Spaced apart so emergency vehicles can pass between cushions

### SPEED TABLES



Long raised speed humps with a flat section in the middle with ramps on each end.

- Used on local streets, collector streets and main roads through small communities
- Typically long enough for the entire wheelbase of a passenger car, pickup truck or delivery van to rest on top and can include a raised crosswalk



# ALL TRAFFIC SOLUTIONS (ATS)

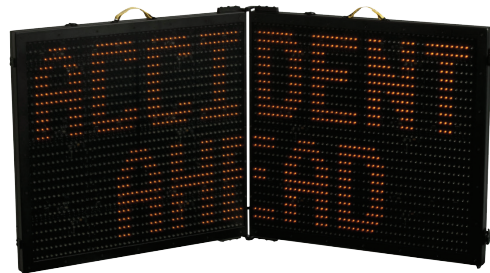
## RADAR AND VARIABLE MESSAGE BOARDS



### SPEEDALERT RADAR MESSAGE SIGN

Display custom messages specific to drivers' speed.

- 18" and 24" Full Matrix display options
- Internal K band radar with adjustable sensitivity



### INSTALERT VARIABLE MESSAGE SIGN(S)

With InstAlert's fully customizable matrix, the messaging possibilities are endless.

- 18" and 24" Full Matrix display options
- Display multiple screens of text, chevrons or custom images



### STANDARD FOLDING PORTABLE POST MOUNT

Folds for easy storage and portability

Includes:

- Portable post with PowerCase



### TRAILER MOUNT

Includes:

- ATS 5 trailer
- 90W solar panel
- 470Ah of batteries



### 1-1/4" OR 1/2" VEHICLE HITCH MOUNT

Includes:

- Hitchmount with PowerCase
- Adapter and 1/2" hitch pin included



# PREVENTATIVE MAINTENANCE

## SERVICE CONTRACTS

Preventative Maintenance Service Contracts provide customers nationwide with peace of mind that their TAPCO Intelligent Warning Systems will perform optimally with the highest system uptime. From routine maintenance to complex diagnostic support, every contract is customized based on individual labor and budgetary needs.

### POPULAR SERVICE CONTRACTS INCLUDE:

- On-site or virtual training of equipment and software
- Scheduled system maintenance
- System surveillance and monitoring
- Extended warranty coverage
- Emergency services, such as knockdown repairs and replacement part delivery
- Dedicated diagnostic support

Want to learn more? Call us today to customize your contract: **(800) 236-0112**



# TAPCO SOLUTIONS

## INTELLIGENT WARNING SYSTEMS

TAPCO designs comprehensive traffic solutions that improve mobility and safety for all road users.



**PEDESTRIAN CROSSWALK**



**WRONG-WAY ALERT**



**CURVE WARNING**



**SCHOOL ZONE WARNING**



**OVERHEIGHT WARNING**



**INTERSECTION CONFLICT WARNING**



**HIGH WATER WARNING**



**EMERGENCY VEHICLE WARNING**

### SAVE TIME AND MONEY WITH OMNIA PARTNERS AND TAPCO

Did you know we offer an exclusive discount through our competitively solicited OMNIA Partners, Public Sector contract? Participating government and non-profit agencies that purchase direct from the contract receive the lowest available price on our entire product portfolio.





 (800) 236-0112  [TAPCOnet.com](https://www.TAPCOnet.com)