



TRAFFIC BEACON & SIGN SOLUTIONS

FOR THE TRANSPORTATION INDUSTRY



CROSSWALKS



SCHOOL ZONES



SPEEDCHECK® RADAR
SPEED SIGNS



WARNING BEACONS AND
24-HOUR FLASHERS

INCREASE SAFETY. IMPROVE WALKABILITY.
GET DRIVERS' ATTENTION IN A FLASH.



carmanah®

HELP DRIVERS SEE THE WHOLE PICTURE

WITH OUR TRAFFIC SOLUTIONS.

[GO TO APPLICATION OVERVIEW ON WEBSITE](#)

CALM TRAFFIC:

Radar speed signs have an immediate and long-lasting impact on driver behavior.

- Residential areas and school zones
- Arterial and rural roadways
- Highways and expressways

SLOW TRAFFIC IN A SCHOOL ZONE BY AS MUCH AS 5-9 MILES PER HOUR



SPEEDCHECK-15, SPEEDCHECK-18

- Two sizes available: 15-inch digits (speeds up to 45 mph) and 18-inch digits for higher speeds
- Two-way wireless communication and traffic data reporting
- Solar or AC-powered



SPEEDCHECK-15-AS, SPEEDCHECK-18-AS

- 15-inch digit and 18-inch digit advisory speed models
- Two-way wireless communication and traffic data reporting
- Multiple alert options including static speed, flashing digits, and "slow down" message
- Solar or AC-powered



YIELD AT CROSSWALKS:

Alert drivers to pedestrians at uncontrolled crossings with Rectangular Rapid Flashing Beacons (RRFBs).

- Mid-block & uncontrolled crosswalks
- Trail crossings
- Roundabouts

96% YIELD RATE
WITH RRFBS COMPARED TO 18% WITH PAINTED CROSSWALK ONLY.

[GO TO APPLICATION OVERVIEW ON WEBSITE](#)



R920-E

- Self-contained solar and battery unit
- Small, 13W solar engine ideal for most crosswalks



R920-F

- Self-contained solar and battery unit
- Medium, 30W solar engine for busy crosswalks
- Optional audible push buttons, remote monitoring, passive detection, and more



SC315-G

- Cabinet system
- Solar or AC power option
- Ideal for shaded or busy crosswalks
- Optional audible push buttons, remote monitoring, passive detection, and more



SLOW FOR SCHOOL ZONES:

Don't just tell drivers to slow down with school zone signs alone—increase compliance by adding school zone beacons, radar speed signs, and LED flashing signs.

REDUCE VEHICLE SPEEDS BY 5-7 MILES PER HOUR COMPARED TO SIGNAGE ONLY.



[GO TO APPLICATION OVERVIEW ON WEBSITE](#)

R829-E

- Self-contained solar and battery unit
- Small, 13W solar engine ideal for single or dual flashing beacons
- Programmable calendar function holds up to 500 days of operation



R829-F

- Self-contained solar and battery unit
- Medium, 30W solar engine for up to 4 beacons
- Third-party time switch support
- Programmable calendar function holds up to 500 days of operation



R829-G

- Cabinet system
- Solar or AC power option supports up to 4 beacons
- Multiple configurations to meet higher intensities
- Third-party time switch support
- Programmable calendar function holds up to 500 days of operation



FOCUS ON SIGNS:

[GO TO APPLICATION OVERVIEW ON WEBSITE](#)



Improve stop, warning, and new sign compliance with 24-hour flashing beacons.

- Stop signs
- Yield signs
- Curve Ahead signs
- Wrong Way signs

MORE THAN DOUBLE THE STOP RATE
AT UNSIGNALIZED INTERSECTIONS.

R247-E

- Self-contained solar and battery unit
- Small, 13W solar engine ideal for single flashing beacon



R247-F

- Self-contained solar and battery unit
- Medium, 30W solar engine for up to 4 beacons
- Can operate at higher intensities



R247-G

- Cabinet system
- Solar or AC power option supports multiple beacons
- Multiple configurations to meet higher intensities
- Third-party device support



[GO TO APPLICATION OVERVIEW ON WEBSITE](#)

ENHANCE SIGNS:

Draw attention to school zones, highlight yield requirements at crosswalks, and reduce stop sign blow-throughs with LED-enhanced flashing signs.

IMPROVE VISIBILITY & RECOGNITION

ESPECIALLY IN LOW-LIGHT CONDITIONS.



LED ENHANCED SIGNS



LEARN MORE AT
carmanahtraffic.com



WHAT'S AN ENERGY BALANCE REPORT (EBR)?

1 No matter where you install your solar-powered radar speed sign or crosswalk beacon, your product should be **carefully sized** for your project location **to ensure that it will be operational for the long term.**

Carmanah runs a comprehensive site assessment for your exact location. Over the last 20+ years, our sales engineers have developed a **field-proven software simulation** that helps us replicate real-life conditions—and determine the best solar-powered solution for your project.

2 We will deliver an Energy Balance Report™ **to prove the solar product** we recommend will support your power requirements properly, throughout the year.

Best of all? **It's free**, and we can have it ready in about an hour.

ENERGY-OUT CALCULATION:

Recommended System:
Location: Sacramento, CA

SC315-G

System Configuration:

Energy Balance Report



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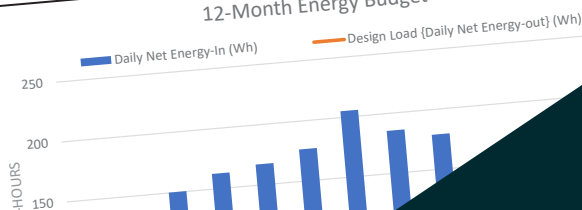
Sun Path and Shading

The image on the left depicts the sun's path during the worst month*. Both the sun's path and shading affect the amount of available energy and determines the size and performance of the system.

Solid objects such as buildings block most light, while the effect of other objects – like trees, depending on their type and time of year—varies.

Location Shade De-rating: 20%

12-Month Energy Budget



WE SIMPLIFY YOUR
PLANNING. CONTACT
US TO GET STARTED.

Learn more at
carmanahtraffic.com/ebr

WHY CARMANAH?

Developing complete streets that everyone can use safely is a big job—but you don't have to do it alone. At Carmanah, we have the tools to help you meet your community's needs. We use our 20+ years of solar and LED experience to develop flashing beacons and radar speed signs for crosswalks, school zones, and more.

Our solar and AC-powered products are available with industry-leading features, including wireless communication, calendar and remote monitoring functionality, or pedestrian and passive activation. Plus, we have the mounts and housings to fit any new or retrofit installation.

We manufacture long-lasting, low-maintenance systems that you can depend on.



- ✓ **EASY TO INSTALL** for one worker in less than an hour.
- ✓ **ITE INTENSITY** options meet MUTCD requirements.
- ✓ **INDUSTRY-LEADING WARRANTY** guarantees worry-free operation.
- ✓ **ENERGY BALANCE REPORT™** is our site assessment to ensure year-round solar reliability.

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