

Flashing Systems

Warning and Regulatory



InstaNet 900MHz radio network—an easy, effective, and affordable solution

School zone safety with a positive twist

Many young families with children are attracted to the small-town atmosphere of Gilbert, Arizona, creating heavy traffic congestion in school zones where parents drive their children to school. To increase school safety, promote walking and biking to school, decrease traffic congestion, and improve air quality, the community launched a grant-supported Safe Routes to School program that installed ramps, sidewalks and SpeedCheck™ displays.

In addition to calming traffic, the program extended the practice of positive reinforcement from the classroom to the street to "reward" drivers observing the speed limit through the school zone.



Drivers approaching the SpeedCheck displays at or below the speed limit are greeted with "smiley face" beacon.

No smiley face appears for those driving above the speed limit. Instead, the LED digits flash their current speed to encourage them to slow down.

Kids have now joined the cause by asking their parents to show them the smiley face as they drive through the zone.

Getting drivers to slow down saves lives, especially when pedestrians are present. Flashing beacons alert drivers to slow down in crosswalks and school zones and on hazardous roadways.

Our intelligent all-in-one flashing beacon systems include OnSite™ two-way wireless local Bluetooth® communication and SchedulePro™ with unlimited scheduling, perpetual calendar and two-year exceptions list.

Add TrafficAnalyzer™ to collect traffic data and create reports for measuring the effectiveness of your program, and InstaNet™ remote communication to program your devices by groups and to monitor and maintain the devices. You can also pair flashers with any of our electronic displays to increase driver awareness of speed limits and changes.

Retrofit existing flashing beacons

You can upgrade your installed flashing beacons simply by adding our DeviceController™ to your existing hardware. Upgrading will expand your scheduling capability, provide two-way wireless communication and give you the option of adding data collection and reporting.

Our systems are 12V DC with an expandable solar solution, and can support AC, making conversions easy.

Flashing beacon retrofit eliminates cell costs



To get drivers to pay attention to school zone speed limits, the City of Renton, Washington integrated their flashing beacon and static school zone signs with American Traffic Solutions' speed ticketing camera system.

Unfortunately the cost of cell service had become too high to operate the system, and the City needed a way to verify the beacons were working when tickets were issued. They also needed a quick way to turn off all beacons on school snow days.

The City worked with us to develop a **reliable, low-cost, fully integrated InstaNet 900MHz network** with two-way wireless communication, eliminating cell costs and adding the functions they needed.

Since retrofitting their system with our DeviceController, the City now uses our SchedulePro software to activate the flashing beacons on each school's bell schedule. After a five-minute delay, OutputManager™ triggers the cameras, allowing drivers time to see the beacons once they are on.

The City can verify the beacons are working by accessing our beacon operational logs remotely via the InstaNet network. They can also control all beacons with an "all off" scheduling command when needed during an unexpected district-wide school closure event, such as snow.

By the end of the pilot project, four schools will be retrofitted and the network will include three InstaNet hub radios and 15 radio nodes with existing flashing beacon system enclosures. **Reliable, fully integrated, no cell service charges.**

Calming Traffic. Saving Lives.

Effective. Versatile. Durable.

Specifications for Flashing Beacon Systems

Flasher Kits	Standard flasher kits include two amber LED flashers; black polycarbonate housing, door and tunnel visor; mounting hardware; AC/DC/solar power ready.
FL-Sys-8	Flasher system with 8" flasher kit.
FL-Sys-12	Flasher system with 12" flasher kit.
FL-Sys-12S	Flasher system with 12" smiley face flasher kit.
Housing	Rustproof non-metallic, lockable housing with hinged door, 15.5 x 13.5 x 7.7 inches (39.3 x 34.2 x 19.5 cm)
Mounting	Stainless steel mount included for use with U-bolts or standard banding equipment. Mount to top of sign side by side horizontal; top and bottom of sign vertical; or middle, next to sign face side by side horizontal.
Power	12V system supports 110/220V AC and solar, low power 5-watt LEDs with high efficiency, color quality and long life LED light source.
Solar Systems	12V 8A PWM solar charge controller with temperature compensation and 28 AH gel-cell or AGM solar battery, solar panel and top or side-mount racks.
Environmental	Moisture and dust resistant with a UV stabilized shell, operating temperature range -40F to +122F, conforms to standards specified in ITE LED Vehicle Signal Modules
Warranty	Three years on products. Free technical support for three years.

Options

Aluminum	Black aluminum housing; black or yellow aluminum 8" or 12" visors.
Visor Shape	Cap or full circle visors; 8" or 12"
SchedulePro™	Sets operation hours by time of day and day of week with perpetual calendar; two-year exception calendar.
TrafficInfo™	Collects date, time, and speed of vehicle for over 200,000 cars and generates speed compliance reports. Easy pre-set reports and advanced data windowing and statistics.
TimeKeeper™	Automatic daily time clock synchronization via GPS satellite signal.
OnSite™	Enables onsite communication using a laptop with Bluetooth® wireless link to program, update, and download speed data, and conduct diagnostics up to 50 feet away.
InstaNet™	Enables remote communication from TMC to program, update, download speed data, conduct diagnostics via NTCIP, fiber, WAN TCP/IP, cellular modem, radio/RF modem, serial, or Ethernet.
OfficeAlert™	Speed data and battery condition alerts sent via email or text. Requires InstaNet.

Information Display Company Products: AdvisorySpeed™, FlashAlert™, Flashing Beacons, InstaNet™, SlowDown Alert™, SpeedCheck™, TollRate™, TravelTime™, TrafficFlow™, TrafficInfo™, VariableSpeed Limit™, Portables