



“Wireless” Traffic Control Solutions

APPLICATION: *Radar Speed Signs for Driver and School Safety*

LOCATION: Sahuarita, Arizona, U.S.A.

Description

The southern Arizona community of Sahuarita has again increased school safety by installing school zone flashers with radar speed signs within the town.

STC has furnished two complete systems consisting of dual 12-inch amber beacons with 3M DFBU driver feedback signs. The systems are somewhat unique in that they allow the radar sign to operate 24/7 while the flashing beacons operate for a short time each day as students enter and exit from school.

The system includes built-in data logging for the sign and Bluetooth connectivity between the user's laptop and the sign. All settings for the sign are made using the Bluetooth link and the configuration software provided. The sign features a solid yellow speed display when motorists are within the posted speed limit; flashing yellow when they are over; flashing red for the second level of speeding; and solid red when excessive speed is detected.



The display characters are 15-inches allowing good visibility to motorists. To aid enforcement of the school speed limit the systems were equipped with 2.5-inch confirmation lamps at the rear of the assembly which face into the school zone. The confirmation lamp allows police officers to see when the 12-inch lamps are flashing and the speed limit is reduced.

This school zone is the second in Sahuarita yet represents the third set of radar/flasher systems purchased. Installation was completed by Pace Electrical of Tucson. Tino Rosas of STC provided field installation supervision for the project and set up of the radar sign at the time operation was initiated.



Take these steps to insure the success of your solar-powered project:

1. Location - identify the site of the application; for example, the nearest town, village or city and state.
2. Load - specify the number and size of lamps, timers or other controls (anything which draws power).
3. Duty Cycle - determine how many hours per day and which days per week the load will be drawing power.

Go to "Send us your requirements" at www.SolarTrafficControls.com/support/requirements.php for more details.

Solar Power: a free source of energy

STC's solar-powered systems are designed for quick and easy installation in the field. Our careful front-end engineering minimizes your installation costs and provides years of trouble-free operation. The standard solar power system includes the solar array, system enclosure with all the necessary electronics, color-coded wiring harnesses, sealed batteries and full documentation. DC LED lamp kits can also be purchased. These include the LED beacon, lamp housing and mounting hardware.

STC Systems are Cost Effective

Our solar flasher systems allow you to stretch your budget to obtain the traffic safety devices you need at affordable prices. Most systems are equivalent to the cost of obtaining an AC power drop. Battery life is typically three to six years; less expensive than grid electricity for the same period of time.

Solar Traffic Controls (STC) provides solar-powered traffic control systems for city, state and federal DOTs; police, firefighting and public works departments; facility maintenance and plant safety industries. Our primary products are solar-powered flashing beacon systems used for school zones and 24-hour applications. We also supply specialized flasher systems using environmental sensors and custom communications packages to control the flashing beacon systems. Our product spectrum also includes wireless power systems for ITS, EMS and HAR. STC's products and services are sold through a network of regional distributors who offer technical support for your project.

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