



"Wireless" Traffic Control Solutions

APPLICATION: School Zone Crosswalk Systems

LOCATION: Santa Barbara, CA, U.S.A.

Description

Solar Traffic Controls (STC) has furnished three crosswalk systems for school zone crossings in Santa Barbara, CA.

The project consisted of two types of crosswalk systems: Solar Ped-X wireless crosswalk flashers and hardwired crosswalk flashers.

City of Santa Barbara personnel requested the crosswalk systems be activated via pedestrian presence sensors. The crosswalk systems detect pedestrians waiting to use the crosswalk via MS Sedco's SmartWalk XP pedestrian presence sensors. For peak student crossings, an STC-01 time clock was used to program time-of-day activation.

The need for a hardwired crosswalk system was necessary at one location since there are trees at one side of the crosswalk. These trees would obstruct the sunlight necessary for the solar-powered wireless crosswalk unit. Accordingly, the City opted to have one solar power system generate the required power for both sides of the crosswalk.

The City of Santa Barbara selected STC's equipment based on the long term performance and brightness of existing systems located in Goleta, CA, just north of Santa Barbara as compared to competitors' systems.



Wireless System



Hardwired System



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.

For more information: Solar Traffic Controls, LLC • 1930 East Third Street, Suite 21 • Tempe, AZ 85281-2929 USA
Tel: 480.449.0222 • Fax: 480.449.9367 • info@solar-traffic-controls.com • www.solar-traffic-controls.com