"Wireless" Traffic Control Solutions

APPLICATION: ***Crosswalk Systems with Solar Ped-X Controls***
LOCATION: Fountain Hills, Arizona U.S.A.

Description

The City of Fountain Hills located east of Phoenix, Arizona, recently upgraded two crosswalk systems with Solar Ped-X controls from Solar Traffic Controls (STC).

The city already had two combination crosswalk/school flasher systems for several years. The original equipment was furnished by Right of Way which ceased operations in 2002, leaving the city with no manufacturer support or options for upgrade to the original equipment.

The equipment was configured with two flasher systems at the crosswalk and two advance flashers for the crosswalks. The system includes a time clock to activate the flashers at peak crossing times for a nearby school. During other times of the day, pedestrian push buttons at the crosswalk activate the flashers. All flasher units include dual 12-inch amber flashers, radio interconnect and solar electric power.

Phoenix Highway Services, a major supplier of traffic equipment in Arizona, called on STC to propose and furnish an upgrade package for the existing systems. STC modified its standard Solar Ped-X control package to accommodate the existing enclosures and solar array configurations. STC's chief engineer, Joe Wise, provided on-site support during the installation. A price comparison showed the STC solution to be half of what other solar companies had quoted for equipment offering the same functionality.

continued on next page

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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