



“Wireless” Traffic Control Solutions

APPLICATION: *Increased Safety for Solar-powered School Flashers*

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

Description

The City of Scottsdale, AZ, has added more school flashers to its existing equipment portfolio. The city opted to purchase flashing beacons from Solar Traffic Controls for two schools in the area. All systems were configured for installation on existing street light poles using sign banding thus minimizing site preparation issues and saving time. The systems consist of dual 12-inch amber flashing beacons and a 40W solar-powered system using the STC-01 programmable time switch. All systems include the DPC-2000 integrated charge/load controller with built-in solid-state flashers.

The award was based on results from three bids: STC was the low bid and was able to deliver in less than two weeks from receipt of purchase order. Most importantly, STC's equipment was compatible with the city's.

STC included a memory module for the time clocks to expedite programming the clocks. Only one clock at each site needs programming and the schedule is then uploaded to the memory chip. The chip is inserted into the second clock and downloaded into the local memory.

STC engineering provided on-site training to use the project's time clock as the units delivered have a more advanced firmware than earlier clocks in the equipment portfolio.



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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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