



## **“Wireless” Traffic Control Solutions**

**APPLICATION:** *Solar-powered Trail Lighting*

**LOCATION:** Paseo Trail, Chandler, AZ, U.S.A.

### **Description**

The systems feature a 170-watt solar array consisting of two KC85 solar modules in parallel. The system uses an integrated charge/load control unit capable of running the lighting functions and is backed up with a 3-battery bank.

The units were installed on 5x5-inch square steel poles and equipped with Kim Lighting Warp-9 DC lamp fixtures. B & F Construction assembled and installed the equipment for the project.



### **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](http://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](mailto:info@solar-traffic-controls.com) • [www.solar-traffic-controls.com](http://www.solar-traffic-controls.com)