



"Wireless" Traffic Control Solutions

APPLICATION: *Recycling School Zone Solar Flashers to Fire Station*

LOCATION: *Golden Valley, Arizona, U.S.A. (A suburb of Kingman)*

Description

Several years ago, AZ Department of Transportation purchased flashers for an area school where a fatal accident had occurred. The flashing beacons were no longer needed at the school so the local fire station asked if they could install them along the same highway.

Solar Traffic Controls was able to offer an affordable conversion package to allow the change. Software in the STC-01 time clock was changed to accept a digital input as a trigger for the flashing beacons. The unit was reconfigured with a radio receiver, self-test function, and antenna kit to convert the system to meet the specifications of an XSR series flashing beacon system.



The flashing beacons were also outfitted with a clear confirmation beacon strobe so the fire truck driver could ascertain if the systems were active. Activation at this time is done using handheld transmitters installed in each of the vehicles. Future plans are to add a wall mount transmitter.

All work, including the ladder-climbing, was done on site in Golden Valley by STC President Joe Wise. Access to the poles was furnished by the fire department via a Pierce ladder truck.

Celebrating our 10th year designing and manufacturing solar-powered traffic control systems. For more information on STC's products and services, please stay here on our website or send an email to info@solar-traffic-controls.com or call 480.449.0222.

For more information about the XSR series:
www.solar-traffic-controls.com/pdf_datasheets/XR_SR_XSR.pdf



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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