

# SOLAR TRAFFIC CONTROLS

## “Wireless” Traffic Control Solutions

**APPLICATION:** *“Wireless” 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.



**Provide Your Requirements to Solar Traffic Controls**

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone (\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_  
Cellular (\_\_\_\_) \_\_\_\_\_  
e-mail \_\_\_\_\_

**The success of your solar-powered project is based on three things:**

- **Location: where your application site is - nearest town and state**
- **Load: number and size of lamps, timers and other controls - anything which draws power.**
- **Duty Cycle: hours per day and number of days per week the load is active (on).**

**The above information enables us to provide you with a Sizing Report which forms the basis of your warranty.**

**Type of System**

*(please check your requirements)*

**Solar Flasher**

Lamp Size:  12 inches  8 inches  Other - Please indicate size \_\_\_\_\_  
Lamps per pole:  1  2  Other - Please indicate quantity \_\_\_\_\_  
Lamp Color:  Amber  Red  
Type:  School Zone  24-Hour  Sensor Activated  
Run time: \_\_\_\_\_ hours per day \_\_\_\_\_ # of days per week  
Module Option:  Vandal Resistant      Activation:  Timer  Pager

**DCUPS Flasher**

Lamp Size:  12 inches  8 inches  Other - Please indicate size \_\_\_\_\_  
Lamps per pole:  1  2  Other - Please indicate quantity \_\_\_\_\_  
Lamp Color:  Amber  Red  
Type:  School Zone  24-Hour  Sensor Activated  
Run time: \_\_\_\_\_ hours per day \_\_\_\_\_ # of days per week  
Module Option:  Vandal Resistant      Activation:  Timer  Pager

**Sensor Power System**

Sensor load: \_\_\_\_\_ amps/watts  
Communications Load: \_\_\_\_\_ amps/watts

**Location**

Application Site (nearest town): \_\_\_\_\_  
State/Province: \_\_\_\_\_

Please fill in your requirements with **blue or black pen**. Please **fax** to Solar Traffic Controls at 480-449-9367.

**Questions?** Please call us at 480-449-0222. We will contact you with a quote for your system.



**For more information**

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