

SOLAR TRAFFIC CONTROLS

“Wireless” Traffic Control Solutions

APPLICATION: *Industrial Facility Pass-by*
LOCATION: *Mountain View, California U.S.A.*

Description

The Mountain View Sanitary District's industrial facility in northern California has a curved private road with a one-lane tunnel for vehicle access. Vehicles would sometimes meet head-on in the tunnel resulting in one vehicle having to back up and wait for the other to pass. Often, large semi-trucks had difficulty backing up due to the curved approach on either side of the tunnel.

Solar Traffic Controls (STC) solved the problem by furnishing a modified version of its Solar Ped-X system to enhance traffic safety at the facility. The software for the standard Solar Ped-X product was rewritten to accommodate this unique project. The system consists of two solar flasher poles each equipped with a single red lamp and a TC26B microwave vehicle detector (MS SEDCO) on each pole. The two poles are connected via frequency hopping spread spectrum radios. Flashers remain in the dark state in standby.

When a vehicle approaching a sensor is detected, a call is generated to the system controls. The opposite flasher then goes to flashing red. The vehicle detected is given a single flash to indicate it has been recognized and granted right of way. The controls include a programmable timer for the red flash sequence which can be set to time out after a delay of up to 1.5 minutes from the last detection on a sensor. Custom signs to go with the flashers were furnished by the Contra Costa traffic department. This project typifies the flexibility of many of STC's products to be adapted to industrial safety situations in addition to standard DOT projects.



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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