

SOLAR TRAFFIC CONTROLS

“Wireless” Traffic Control Solutions

APPLICATION: *Traffic Safety Improvements*

LOCATION: *San Marcos, California U.S.A.*

Description

Solar Traffic Controls (STC) has furnished 19 "wireless" traffic control systems to the City of San Marcos, CA. STC's southern California distributor, J & J Sales, worked with the city to provide the equipment which included SpeedCheck radar speed signs from Information Display Corp. with solar-powered systems from STC. Other configurations were dual 12-inch school flashers and combinations of school flashers and radar speed display systems. These were fielded primarily for school zone safety projects throughout the city.

All systems are designed to operate up to 4 hours per day. Some radar signs will run continuously. All scheduled operations are controlled using the STC-01 time clock which allows up to six on/off activations per day; 16 holiday skip periods; and 12 alternate schedule periods. School flashers

feature dual 12-inch amber DC flashing beacons to alert motorists to reduced speed limits when flashing. The lamps have an optical output of 1100 candela on center: one of the brightest on the market thus making them more visible in a range of weather conditions especially bright sunlight.

The city also purchased an STC-01 Desktop Programmer package with additional memory chips. The Desktop Programmer allows city personnel to enter the school program into the desktop unit and upload it to the memory chips. Various school schedules may be loaded into different memory chips, taken to the field and downloaded to the field clocks. Field personnel do not have to take a computing device or related cables to download schedules into the clocks nor stand in front of each field clock to enter the program using a keypad.

Installation of the systems was completed by Select Electric under the supervision of a J & J technical staff member. Funding for the project was through a state grant. The city has reported a positive response from the public and is placing follow-on orders for more systems.



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

Solar Traffic Controls, LLC
1930 East Third Street, Suite 21
Tempe, Arizona 85281-2929 USA
Phone: 480-449-0222
Fax: 480-449-9367
Email: info@solar-traffic-controls.com
Website: www.solar-traffic-controls.com

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