

SOLAR TRAFFIC CONTROLS

“Wireless” Traffic Control Solutions

APPLICATION: School Zone Flashing Beacons

LOCATION: Ontario, OR U.S.A.

Description

The system is composed of a single 65-watt solar module; dual 12-inch LED lamps; and a programmable time clock for automatic activation. The solar-powered system requires no electric power and was easily installed by two Public Works personnel. Battery life on these systems is typically three to six years. The average solar panel has a lifetime in excess of ten years and is often warranted to perform for twenty years.

The system’s flashing yellow lights alert motorists to the 20 mph speed limit in the school zone which is programmed to operate from Monday through Friday from 7:30 a.m. to 8:30 a.m. and 2:30 p.m. to 4 p.m. Most important, the powerful lights caution motorists to reduce their speed thus increasing safety at school crossing zones and preventing accidents.



Ontario Police Capt. Mark Alexander examines the new solar traffic signal. Photo by Tami Hart.

Ontario Police Department Chief Mike Kee commented that the lights “...really make an impact, especially in low light conditions. You just can’t miss them.” (*Argus Observer, Ontario, Oregon, 30 October 2003*)

Solar flasher systems are self-contained – independent of the power grid – there’s no concern with blackouts. Traffic safety continues if the power goes out.

Made possible by funding from the Oregon Department of Transportation and support from the Ontario School District and the City of Ontario Public Works Department, the Ontario Police Department received a \$5,000 grant to cover the cost of two solar-powered signals.



For more information

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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.*