

# SOLAR TRAFFIC CONTROLS

## “Wireless” Traffic Control Solutions

**APPLICATION:** *High Water Flasher Program*  
**LOCATION:** *Maricopa County, Arizona U.S.A.*

### **Description**

Maricopa County Department of Transportation (MCDOT) which encompasses the Phoenix area, has launched a high-water flasher program to warn motorists of dangerous conditions at unbridged wash crossings.

Solar Traffic Controls has designed solar-powered flasher systems to interface with MCDOT's ALERT flood control radio network. Flashers will be turned on and off remotely, based on stream flow and depth data received at the Maricopa County Flood Control management center. The flashers include interface capability with the radio which provides feedback on the status of the system including alarms for low battery and open door.

The STC flasher system includes four lamps; the lower set indicating the possibility of flooded conditions. The upper set of lamps are activated to indicate conditions are unsafe for crossing. The systems include controls which feature an LCD screen enabling the user to determine the current status of the equipment.

The Maricopa County Flood Control District operates a flood threat recognition system called ALERT (Automated Local Evaluation in Real Time). ALERT data are collected by rain and stream gauges. The gauge data are sent by radio waves back to the base station at the District; then collected and transferred instantaneously, allowing the staff to relay the readings to the National Weather Service, the County Department of Emergency Management, and local dam operators. For more information, please visit [www.fcd.maricopa.gov/Services/ALERT/Products.asp](http://www.fcd.maricopa.gov/Services/ALERT/Products.asp) and click on "MCDOT Flooded Roadway Info.Map"



**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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