



# “Wireless” Traffic Control Solutions

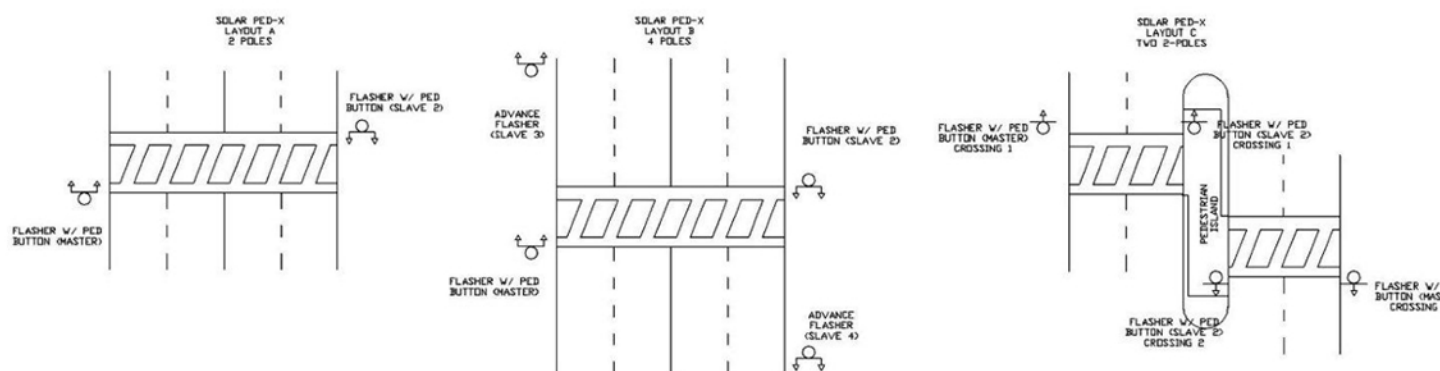
**APPLICATION:** *Type 2 Ped-X System*

**LOCATION:** On London Bridge, Lake Havasu City, Arizona, U.S.A.

## Description

Type 2 systems consist of a minimum of two poles located immediately at the crosswalk, each with a button or detector to activate the system. Note: the radio communications in these systems is two-way. It is also possible to place a time switch in one of the units and operate the unit both as a time of day flasher and a pedestrian-activated flasher.

Figure 1 shows three possible layouts for this type system. Layout A is a typical two pole. Layout B is a four pole (master and three slaves). Layout C is 2 two-pole systems configured for a crossing with a protected pedestrian island. Other configurations are possible as well.



The photo is an example of a Type 2 system. Located in Lake Havasu City, Arizona, this system provides pedestrian safety for tourists on the London Bridge. Lake Havasu City has installed multiple units around town for mid-block crossings. Photo depicts a UK-built Mini Cooper crossing London Bridge in Arizona. Build in 1831, the bridge was dismantled, reconstructed, and rededicated in 1971 in Arizona, U.S.A. Photo courtesy Terry Brown, Lake Havasu City, AZ.



Another example of Type 2 equipment is a split crossing with a protected pedestrian island in the middle. Flagstaff, Arizona, had a need for a mid-block crossing from a residential area along a busy street to Northern Arizona University. Since traffic volume is higher in each direction with the time of day and there was a median, a protected pedestrian



crossing was created to allow pedestrians to complete the crossing as two shorter individual crossings rather than one long crossing.

**Take these steps to insure the success of your solar-powered project:**

1. Location - identify the site of the application; for example, the nearest town, village or city and state.
2. Load - specify the number and size of lamps, timers or other controls (anything which draws power).
3. Duty Cycle - determine how many hours per day and which days per week the load will be drawing power.

**Go to "Send us your requirements" at [www.SolarTrafficControls.com/support/requirements.php](http://www.SolarTrafficControls.com/support/requirements.php) for more details.**

**Solar Power: a free source of energy**

STC's solar-powered systems are designed for quick and easy installation in the field. Our careful front-end engineering minimizes your installation costs and provides years of trouble-free operation. The standard solar power system includes the solar array, system enclosure with all the necessary electronics, color-coded wiring harnesses, sealed batteries and full documentation. DC LED lamp kits can also be purchased. These include the LED beacon, lamp housing and mounting hardware.

**STC Systems are Cost Effective**

Our solar flasher systems allow you to stretch your budget to obtain the traffic safety devices you need at affordable prices. Most systems are equivalent to the cost of obtaining an AC power drop. Battery life is typically three to six years; less expensive than grid electricity for the same period of time.

Solar Traffic Controls (STC) provides solar-powered traffic control systems for city, state and federal DOTs; police, firefighting and public works departments; facility maintenance and plant safety industries. Our primary products are solar-powered flashing beacon systems used for school zones and 24-hour applications. We also supply specialized flasher systems using environmental sensors and custom communications packages to control the flashing beacon systems. Our product spectrum also includes wireless power systems for ITS, EMS and HAR. STC's products and services are sold through a network of regional distributors who offer technical support for your project.

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