"Wireless" Traffic Control Solutions

APPLICATION: *AC RRFB Systems for University Roundabout*
LOCATION: Vancouver, British Columbia, Canada

Description

Solar Traffic Controls' Canadian distributor, Fortran Traffic, furnished AC RRFB systems for the University of British Columbia in Vancouver just in time for the new school year.

The goal is to provide pedestrian safety at a roundabout at the entrance to the campus. Three of the four legs of the roundabout have crosswalks on them. Each crossing leg consists of a three-pole system, two curb units with buttons and a median unit with no buttons.

Each curb indication is an 80BKRRFBHS-T2 assembly which is a front-facing dual 3-inch x 7-inch RRFB assembly with an end cap pedestrian confirmation lamp. The median unit is an 80BKRRFBHS-T5 assembly with dual end cap pedestrian lamps and front/rear facing 3-inch x 7-inch RRFB lamps.

The control used for the lamps is an STC 80ACRRFB-50. This is an AC powered RRFB/CRFB control unit with 50W AC/DC power supply, RRFB driver module, and user interface module complete with LCD screen for adjustment of timing parameters.

The control unit registers a relative count of button activations for public works departments and shows the operating mode on the LCD screen at any given moment including maximum runtime values and current run-time values if in operation. The controls are housed in a miniature P-style traffic cabinet which is band-mounted to the pole.

The final owner of the project is the Ministry of Transport-ation and Infrastructure of British Columbia. Traffic engineering for the project was completed by DMD Engineering a firm which has used STC and Fortran for other projects in western Canada.

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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 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.

For more information: Solar Traffic Controls, LLC • 3217 S. 38th St. • Phoenix, AZ 85040 USA
Tel: 480.449.0222 • Fax: 480.449.9367 • info@solar-traffic-controls.com • www.solar-traffic-controls.com

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