

SOLAR TRAFFIC CONTROLS

“Wireless” Traffic Control Solutions

APPLICATION: *School Zones, Safe Routes to School Grants*
LOCATIONS: *Gilbert, AZ and Claiborne Parish, LA, U.S.A.*

Description

Gilbert, AZ - The project required furnishing equipment for four radar speed signs in areas around schools in an effort to get drivers to slow down. Timing coincided with release of the new 3M Driver Feedback Urban (DFBU) which was employed for the project. The sign features an LED display with both yellow and red characters, steady or flashing display and auto night dimming. The sign also includes white LED lamps used with a strobe function to simulate a photo flash. The sign also features a scheduling function, data logging, high-speed blanking and user adjustable thresholds. Units are configured for 12 VDC operation and are solar friendly.

Gilbert opted to install all solar units for the first project. STC designed the solar power systems to run the signs 24/7. Three of the speed signs were installed on existing light poles around the school zones; one installation is yet to be determined.

Claiborne Parish, LA - The design of the equipment included dual 8-inch amber DC LED lamps and a 3M Driver Feedback-Urban style radar sign. Systems are configured for operation around arrival and dismissal of students each day when the flashing beacons, located on either side of the S5-1 sign, will flash and the 3M signs display the speeds of vehicles as they approach the school zones. The parish expressed great satisfaction with the radar signs since they feature the ability to display speed in steady yellow, flashing yellow, steady red and/or flashing red. All the display modes can be set at user-defined speed thresholds. An added feature: a white strobe mode to flash at drivers under certain user-defined conditions of speed violation.

A total of five systems on five poles were assembled at the parish facilities the first day on site. On the second day three of the units were taken to the field around the main parish school building in Homer and stood up within the first 2 hours. The other two units were taken to the town of Haynesville.

About Safe Routes to School Programs

Safe Routes to School (SRTS) program is a state and federally-funded initiative designed to give K-8 students easier and healthier ways to travel safely to and from school.

"By encouraging kids to walk and bike to school and making it safe to do so, we can reduce traffic and pollution around schools, parents can save on gas, good health habits are instilled, kids arrive alert and ready to learn...the benefits are so multi-faceted," said Paul Katan, the SRTS program coordinator for Prescott (Arizona) Alternative Transportation which has received two grants through the program. For more information, go to www.saferoutesinfo.org



Gilbert, AZ



Claiborne Parish, LA

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.solar-traffic-controls.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

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