



CENTRALBIDDING
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Blinker Sign Flashing LED Stop Sign
Ascension Parish Government

Project documents obtained from www.CentralBidding.com

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**BlinkerSign® Light-Emitting Diode (LED) Sign:
Solar-powered Version, enhanced with Day-Viz® LEDs
TAPCO Part # 2180-C00141
R1-1, 36" DG3 BlinkerStop, Solar, 24/7, Double Post Mount**

1.0 Description

The Manufacturer shall provide a solar-powered BlinkerSign® LED-enhanced sign assembly. This sign's high-intensity Day-Viz® LEDs are visible in all weather and ambient light conditions to increase the conspicuity of the sign. AutoBright™ control circuitry monitors ambient light levels throughout the day and night, and automatically regulates the brightness of the LED array to provide optimum visibility.

The BlinkerSign® LED-enhanced sign is fully compliant with the Federal Highway Administration (FHWA) Manual on Uniform Traffic Control Devices (MUTCD). The LED array's color and shape help to convey the sign type to roadway users, both day and night.

BlinkerSign® LED-enhanced signs use 3M™ DG3 prismatic sheeting to provide maximum retroreflectivity, and anti graffiti overlay film for protection.

Materials: The Day-Viz® Blinkersign® assembly shall include the following items:

1. Sign

- a. All signs shall conform to 2009 Federal Highway Administration's MUTCD section 2A.07 on retroreflectivity and illumination. MUTCD standards.
- b. The sign face shall be a R1-1 sign (STOP), 36", with 8 Red LEDs.
- c. All signs blanks shall be .080" gauge aluminum minimum.
- d. Sheeting used shall be 3M™ DG3 diamond grade prismatic sheeting, unless required with a lower grade of reflectivity and include anti-graffiti overlay protection.
- e. All sign assemblies shall use anti-vandal fasteners to mount components to sign and sign to fixture (TAPCO Part # 2438-00001).
- f. All sign assemblies shall be TAPCO # 2180-C00141.
- g. All sign assemblies to be "double post mounted" (posts sold separately).

2. LEDs

- a. Each sign assembly shall consist of up to 8 high power 1 watt Luxeon® LEDs that provide a maximum light intensity of up to 600,000mcd (millicandelas) with a viewing angle of 15°.

- b. All LEDs shall match the color of the background or border, as per section 2A.07 of the MUTCD.
- c. Each LED shall be sealed in 7/8" diameter, heat dissipating plastic enclosure to provide resistance to weather and vibration.
- d. All LED enclosures shall be mounted in a 1" hole and ultrasonically welded to the sign assembly to provide maximum strength and rigidity.
- e. All LEDs shall be wired in strings to activate simultaneously per MUTCD standards and wired in a manner (parallel) that all LEDs continue to flash in the event of failure of an individual LED.
- f. All wire used shall conform to military specifications, MIL-W-16878D, Type D, vinyl nylon jacket.
- g. Wiring shall be encapsulated inside a 1" x 3/8" aluminum extrusion secured to the sign assembly, to provide weather resistance and protection.
- h. All LED connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 1 meter deep for 30 minutes. Connectors shall be Deutsch DTM series.
- i. All LEDs shall be TAPCO # 3012.

3. Solar Panel

- a. All solar panels shall be up to 13.5" x 15" in size and provide up to 13.5 watts peak total output sized for all climate and geographical locations.
 - b. All panels shall be mounted to an aluminum plate and bracket at an angle of 45°- 60° to provide maximum output. Bracket shall be secured to a 2-3/8" aluminum tube. (NOTE: COLLECTOR MUST FACE SOUTH)
 - c. All fasteners used shall be anti-vandal.
 - d. Wire used shall conform to military specifications, MIL-W-16878D, Type D, vinyl nylon jacket.
 - e. The solar panel assembly shall be mounted directly to the back of the sign assembly and be a fully self contained onto a 2-3/8" OD round aluminum housing.
 - f. All solar panel connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 1 meter deep for 30 minutes. Connectors shall be Deutsch DTM series.
 - g. All solar panels shall be TAPCO # 2772-2.
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4. Control Circuit

- a. The control circuit shall have the capability of independently flashing dual outputs. The flashing output current and duty cycle shall be programmable.
- b. The flashing output shall be 50 to 60 flashes per minute with 100msec duration on time. The outputs shall reach the output current as programmed for the duration of the 100msec pulse.
- c. The output current shall be individually programmable for day and night time operation. The day and night time mode will automatically be determined by solar panel charge input and adjust to match ambient lighting conditions.
- d. The controller shall provide 6 levels of brightness control determined by ambient conditions.
- e. The controller will manage the battery charge and LED brightness levels in order to accommodate 30 days of continuous use without any charge.
- f. The control circuit shall be potted in a cylindrical epoxy resin housing to be waterproof and housed in a 2-3/8" aluminum tube.
- g. The control circuit shall operate between the temperatures of -40° to +176°F (-40° to +80°C).
- h. All circuit connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 1 meter deep for 30 minutes. Connectors shall be Deutsch DTM series.
- i. The control circuit shall be TAPCO # 3204.

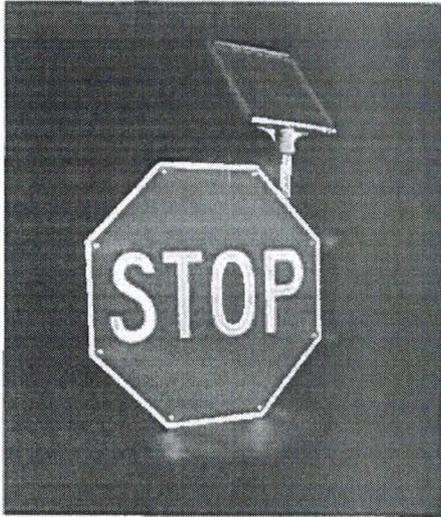
5. Battery

- a. Battery packs shall be 4.8 volt 14000mAH Nickel Metal Hydride (NiMH). Battery dimensions shall be 10.5" x 1.5" x 1.5".
 - b. All batteries shall be sealed in a plastic film to provide resistance to moisture and corrosion, and shall be housed in a 2-3/8" aluminum tube.
 - c. All batteries shall operate between the temperatures of -40° to +176°F (-40° to +80°C).
 - d. All batteries shall have fusing between each cell and shall be protected from overheating by means of a thermocouple sensor.
 - e. All battery connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 1 meter deep for 30 minutes. Connectors shall be Deutsch DTM series.
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f. All batteries used shall be TAPCO # 2795-3

Warranty:

Manufacturer shall offer a two-year unconditional warranty against all defects in material and workmanship.



BlinkerSign® Flashing LED STOP Sign R1-1

Specifications

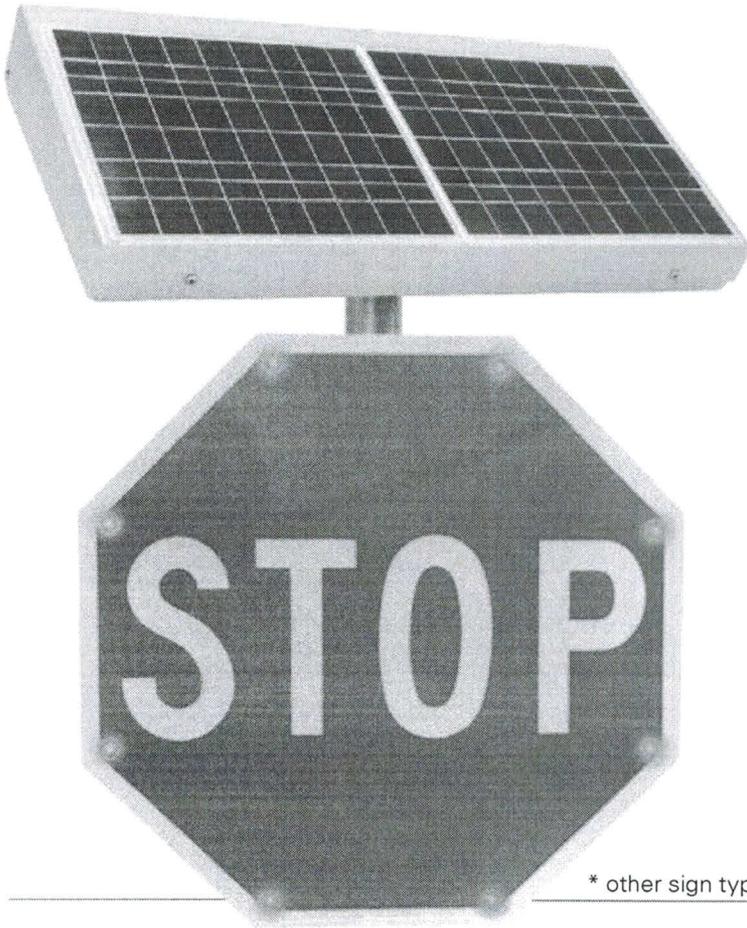
This sign is a solar powered, LED enhanced, 36" BlinkerStop Sign with 3M Diamond Grade Cubed (DG3) reflective sheeting. The MUTCD legend is a R1-1. BlinkerStop signs have 8 super-bright red flashing LED's and are sheeted with a graffiti resistant overlay film. A double post hole pattern is punched for easy mounting. These signs can be seen up to two miles away and are proven to reduce accidents and increase driver awareness in all weather conditions.

Includes:

2 Year Workmanship Warranty

Specifications for selected SKU:

Power Source	Solar
Height	36 in
Width	36 in
Sheeting Color	Red
Material	Aluminum
MUTCD #	R1-1
Activation types	24/7 operation
Shape	Octagon



* other sign types, shapes and sizes also available

Applications

The 24-hour flashing beacon is the perfect solution for temporary or permanent locations such as:

- | | |
|---|---|
|  Stop Signs | Draw attention to stop signs that go unnoticed by drivers. |
|  Warning Signs | Accent warning signs that convey critical information. |
|  New Signs | Highlight new signs for the first few weeks following installation. |
|  Speed Reduction Signs | Emphasize traffic speed signs in special zones or at transition points. |
|  Construction Zones | Enhance construction workers safety. |

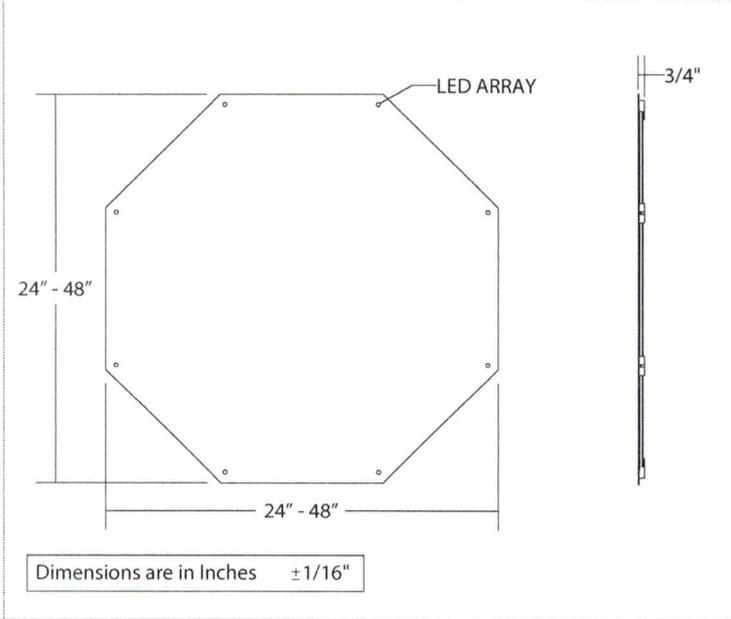
Benefits

- | | |
|--|---|
|  High Quality | Designed and manufactured in North America. |
|  Clean Technology | Solar-powered and wireless to save on power bills and end roadway trenching. |
|  Flexible | Adjustable flash pattern to meet regulatory requirements. |
|  Reliable | Energy management system to ensure operation under all environmental conditions. |
|  Simple | Installs in minutes to minimize traffic disruption and allow for relocation and re-purposing. |
|  Elegant | Self-contained, cabinet-free, discrete design to enhance streetscapes and inhibit vandalism. |

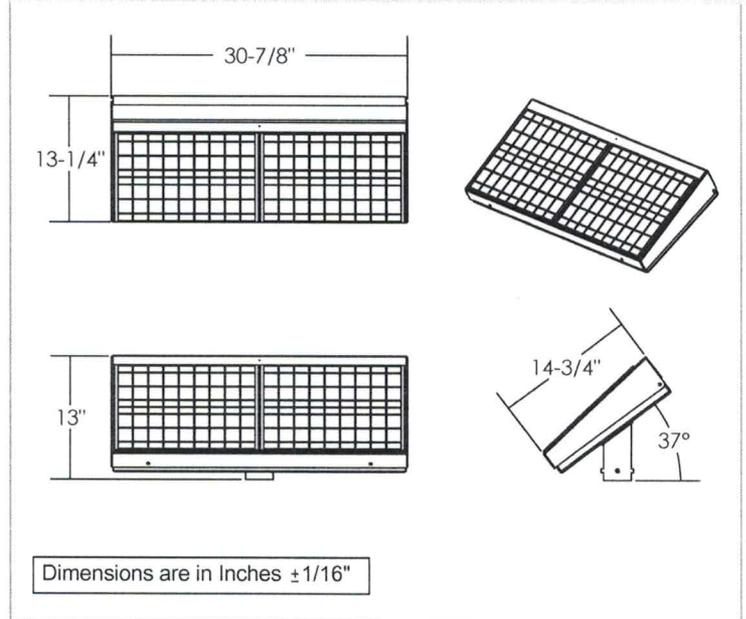
FL-5801-E:

Solar Powered 24-Hour Flashing Stop Sign

Sign: 24", 30", 36" or 48"



Solar Engine



Specifications

System Overview

Certification	CE and UL certified electrical components
Compliance	FHWA MUTCD compliant FCC EMC Class A verified
Operation	Continuous, 24-hours a day, 365 days a year
Flash patterns	MUTCD (0.5 second on, 0.5 second off) or JSF Tech High Visibility Strobe Pattern
Operating temperature	-40°F to +165°F (-40°C to +74°C)
Controller input voltage	12 V DC
Solar panel	32-40 W nominal, 12 V, CE and TUV certified
Battery storage	AGM 12 V, 36 Ah, UL certified, field replaceable, Optional cold weather battery upgrade
Alternate power	AC / Solar hybrid available (hybrid includes "Battery Tender® 800"), AC-Only available

Power Management

Charged capacity	Up to 30 days (without charging)
Auto brightness	6 stages of brightness for different light conditions and battery levels
Customizable	Automatic brightness disabled on request
Self monitoring	Visual notification of sub-optimal operation

LED Module

Light output	102 lumens
Size	0.75" (20mm)
LED color	Red

Physical Design

Configuration	LED sign with separate solar engine
Sign size (square)	24", 30", 36", or 48" and others upon request
Solar engine	6061-T6 powder coated aluminum
Solar engine color	Black, green or yellow Custom colors also available
Solar engine weight	Approx — 52 lbs. (24 kg)
Mounting options	Round pole: 3.5", 4.5" Square post: 4", 6", 4"x 6"

Warranty

5-year Limited Warranty for defects in workmanship and materials (excludes batteries and vandalism)

Contact

JSF Technologies is backed by a select group of resellers around the globe. To find a representative in your region please contact us:



+1.250.544.1640
+1.800.990.2454
www.jsftech.com

JSF Technologies Standard Warranty

JSF Technologies (JSFT) warrants its products for a period of 5 years from the date of delivery. JSFT will repair or replace, at its discretion and at no charge, components that prove to be defective within this period. This warranty applies only to the original purchaser. The warranty does not apply if the product has been damaged, by accident or misuse, and is void if repairs or modifications are made by other than JSFT authorized personnel.

With regards to batteries, JSFT will replace Hawker EnerSys batteries that have completely discharged within a period of two years from the date of purchase at no charge. Batteries that have completely discharged after that two-year period will be replaced at a pro-rated cost based upon the time that should be remaining within the five-year period from the date of purchase.

For batteries used with the 12V configuration, Interstate batteries are warranted by the manufacturer for a period of one year from the date of purchase, and can be returned to us for replacement if they fail within that period of time. Beyond that period, the customer must replace batteries at their own cost by obtaining them from any Interstate Battery store, the cost of which is nominal.

JSFT reserves the right to make any changes in design or specifications at any time without incurring any obligation to modify previously delivered products. Manuals are produced for information and reference purposes only, and are subject to change without notice.

This is the only warranty for new products offered by JSFT. No warranties expressed or implied by law, including but not limited to the implied warranties of merchantability and suitability for a particular purpose, shall apply. In no event will JSFT be liable for any direct, indirect, consequential, or incidental damages resulting from any defects or failure of performance of any product supplied by JSFT.

Warranty Terms as of 2013

Blinker Sign Flashing LED Stop Sign Bid response notes:

- Equipment we are providing meets and or exceeds the specifications requested
- Equipment being provided has a 5 year warranty
- Equipment installs in minutes and requires only 2 tools
- Equipment features 102 lumen Whelen LEDs
- Two flash-patterns (MUTCD and JSF High Visibility strobe)
- Equipment is self-contained, no cabinet, integrated solar panel so it cannot be stolen
- Battery is 12V, 36aH, field-replaceable
- Battery typically last 4-5 years and can be bought at any local battery store for about \$40

**LOUISIANA UNIFORM PUBLIC WORK BID FORM
UNIT PRICE FORM**

TO: Ascension Parish Government Purchasing Department
P.O. Box 2392
Gonzales, Louisiana 70707

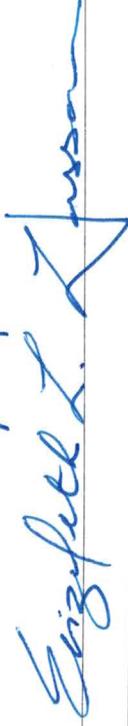
BID FOR: Ascension Parish Government
Blinker Sign Flashing LED Stop Signs R1-1
Anti-Vandal Mounting Kit, Bolts, Washers, Nuts, Tool (set)

The Unit Price Form shall be used if the contract includes unit prices. Otherwise it is not required and need not be included with the form. The number of unit prices that may be included is not limited and additional sheets may be included if needed.

UNIT PRICES: This form shall be used for any and all work required by the Bidding Documents, and described as unit prices. Amounts shall be stated in figures and only in figures.

DESCRIPTION:		Blinker Sign Flashing LED Stop Signs R1-1	
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE
1	Approx. 3 - 10	Each	\$ 2,646.85
			UNIT PRICE EXTENSION (Quantity X Unit Price)
			\$ 2,646.85

DESCRIPTION:		Anti-Vandal Mounting Kit, Bolts, Washers, Nuts, Tool (set)	
REF. NO.	QUANTITY:	UNIT OF MEASURE:	UNIT PRICE
2	Approx. 6 - 20	Each	\$ 25.00
			UNIT PRICE EXTENSION (Quantity X Unit Price)
			\$ 25.00

NAME OF BIDDER: RoadSNAP
 ADDRESS OF BIDDER: 4505 CANAL ST, NEW ORLEANS, LA 70119
 NAME OF AUTHORIZED SIGNATORY OF BIDDER: Elizabeth L. Doussan
 TITLE OF AUTHORIZED SIGNATORY BIDDER: Roadside Safety Specialist
 SIGNATURE OF AUTHORIZED SIGNATORY BIDDER: 
 DATE: 6/21/17

All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.