



**CENTRALBIDDING**  
FROM CENTRAL AUCTION HOUSE

**5000118746 - A ONE-TIME PURCHASE OF RECTANGULAR RAPID  
FLASHING BEACONS FOR THE JEFFERSON PARISH TRAFFIC  
ENGINEERING DIVISION**  
Jefferson Parish Government

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)  
27-Jan-2017 07:47:56 AM



**Bid Number 50 - 00118746**

**A ONE-TIME PURCHASE OF RECTANGULAR RAPID FLASHING BEACONS  
FOR THE JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION**

**BID DUE: January 27, 2017 / 11:00 AM**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received in the Purchasing Department by the bid due date and time.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Buyer: Melissa Ovalle  
Buyer Email: [movalle@jeffparish.net](mailto:movalle@jeffparish.net)  
Buyer Phone #: 504-364-2687**



# JEFFERSON PARISH

Department of Purchasing

Michael S. Yenni  
Parish President

Brenda J. Campos  
Director

## **CHANGES TO JEFFERSON PARISH BIDDING PROCEDURES**

The East bank Office of Purchasing is now open! We are located in the Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Suite 404, Jefferson, LA 70123. Bidders may submit bid responses at this location, pending authorization in each bid package. **Bidders should carefully read and must respond accordingly per the requirements of the bid packages. NOTE: Bidders submitting bids on the day of bid opening, bidders must submit at the West Bank location only.**

### **Other Changes Continued:**

- Effective June 1, 2017, bidders may no longer send bid responses via facsimile, as some bid solicitations may provide. Vendors responding to bid solicitations may only submit via USPS, courier service, hand delivery or via online by registering free of charge at [www.jeffparishbids.net](http://www.jeffparishbids.net). For more information, please contact the Purchasing Department or visit [jeffparish.net](http://jeffparish.net).
- Affidavits (Non-Public Works Affidavit or Public Works Affidavit) – as you are aware, bidders are required to submit affidavits pursuant to LA public bid law and Jefferson Parish Code of Ordinances. Bidders must read each bid package to ensure compliance. Effective August 1, 2016, **affidavits are required with bid submission**. While copies are acceptable to include with bid submission, original affidavits are required upon contract execution. Original affidavits are encouraged with bid submission.
- Current W9 Forms and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, a current W-9 form must be supplied upon contract execution, should you be awarded a contract and/or issued a purchase order.
- Upon contract execution, successful bidder must continue producing final insurance certificates per standard Jefferson Parish insurance requirements. Proof of insurance is required for bidding purposes. Bidders must read the insurance requirements attachment included in each bid package for specific instructions.

**Bidders should reference the "Additional Requirements" section of the bid instructions and/or the "Important Notice to Bidders" included in the bid package for specific requirements to respond accordingly.**

For more information, please call Jefferson Parish Purchasing at 504-364-2678.

**SPECIFICATIONS FOR TWO SOLAR POWERED, POLE-MOUNT, PUSH-BUTTON  
ACTIVATED RAPID FLASHING BEACONS  
(VETERANS BOULEVARD BETWEEN N. HULLEN AND ATHANIA)  
BID NUMBER: 50-00118746**

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**1.0 General**

- 1.1** This specification consists of all necessary equipment, and installation hardware required for the purchase of two (2) Uni-directional, solar powered, push-button activated rapid flashing beacons.
  - 1.1.1** The beacons, solar panel, and all necessary energy systems shall be equipped with required brackets and mounting hardware for 4-1/2" O.D. pedestal post mount.
- 1.2** The beacons shall be installed by Jefferson Parish Traffic Engineering.
- 1.3** The exact location of the beacons shall be determined by the Traffic Engineering Division.

**2.0 Mechanical Specifications**

- 2.1** Each unit shall consist of a self-contained solar engine that houses the energy management system, on-board user interface, wireless communications, batteries and solar panel. Each unit shall include one RRFB light bars with optional side emitting pedestrian confirmation light(s). The system shall conform to all provisions of the MUTCD, Interim Approval IA-11.
- 2.2** The solar engine shall be constructed from aluminum and shall be no greater in size than 13.6" L x 3.6" D x 17.8" H (34.5 cm x 9.1 cm x 45.2 cm). The Solar panel shall be integrated to the solar engine. All batteries and electronics shall be mounted in the solar engine, with no external control cabinet or battery cabinet required. A hinged lid shall provide access to the interior of the engine. The solar engine shall be vented to provide cooling of the battery and electronic system.
- 2.3** The overall weight of the solar engine assembly shall not exceed 20 lbs (9.1 kg).
- 2.4** The solar engine shall be fully adjustable with regard to degree of tilt and orientation without the use of additional mounting hardware. A fixed tilt angle of 60 degrees will be acceptable.

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BID NUMBER: 50-00118746**

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- 2.5** The light bar housing shall be constructed from aluminum and shall have the approximate dimensions: 24" L x 1.5" D x 4.5" H (61.0 cm L x 3.8 cm D x 11.4 cm H).
- 2.6** The light bar shall be mounted to the post using a separate bracket assembly to facilitate mounting one light bar (uni-directional) and to allow the light bar to pivot. The light bar shall be able to pivot by approximately 40 degrees in order to aim the light bar independent of the wire hole location on the post.
- 2.7** The light bar bracket shall be constructed from 3/16" galvanized steel and shall have bolt mounting options capable of being mounted to 2" – 2.5" perforated square posts.
- 2.8** The light bar assembly shall open for access to and wiring connections to the LED indicators. All enclosures for LED indicators shall be IP67 rated.

**3.0 Mounting**

- 3.1** The solar engine and light bar assemblies shall be furnished with mounting hardware for mounting on a 4-1/2" O.D. pedestal post.
- 3.2** The base of the pedestal shall be aluminum and shall be at least 13-3/4 inches wide at the bottom, at least 15 inches high and shall be square. (PELCO PB-5335-1S-GL), or approved equal.
- 3.3** The upper end of the base shall be a threaded female sleeve to receive a 4-1/2 inch diameter male-threaded pipe shaft.
- 3.4** The base shall be designed so that it may be fastened to the foundation using four 3/4 inch-by-14 inch anchor bolts located 90 degrees apart on the circumference of a circle 12-3/4 inches in diameter.
- 3.5** The base shall contain a removable door to allow access to anchor bolts and to permit cable splicing. This door shall be fastened to the base using a stainless steel screw into a threaded hole in the base.
- 3.6** The base shall have a 12-position, 24-terminal, terminal block mounted on the base door. The base shall provide for attachment of equipment-grounding conductor as per Jefferson Parish ordinances, and current NEC guidelines. Only hexagonal nuts are to be used in securing the pedestal base to the foundation.

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3.7 The shaft shall be 4-1/4 inches outside diameter aluminum tubing with a minimum 1/8 inch wall thickness. The lower end of the shaft shall be threaded in order to screw into the base. The shaft shall be a single piece of tubing. (PELCO PB-5102-12) or approved equal.

3.8 The length of the pedestal, shaft plus base, shall be a minimum of 12 feet.

#### **4.0 Configuration**

4.1 The solar engine shall house an on-board user interface that provides on-site configuration adjustment, system status and fault notification, and system activation information.

4.2 The flash duration shall be adjustable in-the-field to one second increments.

4.3 The system shall provide configurable night time intensity settings and shall be able to enable and disable low ambient light dimming.

4.4 Flash duration and other in-the-field adjustable settings shall be automatically broadcast to all units in the system, except channel selection which shall be configured on each unit.

#### **5.0 Solar / Battery System**

5.1 The solar engine shall include one solar panel no larger than the footprint of the housing and shall have a hinged top to provide access to the on-board user interface and batteries. The batteries shall be sealed valve regulated lead acid batteries and shall be readily available from multiple suppliers and non-proprietary. Solar panel and battery system shall be 12 Volt DC.

#### **6.0 Operational Specifications**

6.1 The intensity of the yellow indications shall meet the minimum specifications of the Society of Automotive Engineers (SAE) standard J595 Class I dated January 2005.

6.2 The color of the yellow indications shall meet the specifications of SAE standard J578 (Color Specification) dated December 2006.

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BID NUMBER: 50-00118746**

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- 6.3** The solar engine shall have the capacity to operate 300, 20 second activations per day year round with a minimum solar insolation of .94 sun hours per day.
- 6.4** The solar engine shall have the capability to activate other solar engines by wireless communications within a minimum of 500 feet (152m). The solar engine shall have unique channels that can be configured on-site to avoid activation of nearby systems.
- 6.5** The system shall be dimmable during low ambient light conditions using a light sensor.

**7.0 Activation**

- 7.1** The system shall be activated by a Vandal Resistant, ADA Compliant, Piezo Driven, Solid State Switch Push Button (Polara Bulldog Switch No. BDLM2 or approved equal) One push button shall be required per beacon for a total of two (2).
- 7.2** The button housing shall be cast aluminum powder coated and contain LED and two-tone audible indication of button activation. The button shall have built in surge protection and shall be able to hold the call for a minimum of 5 seconds. The button shall have the ability to operate immediately after being completely immersed in water for 5 minutes and must not be able to allow ice to form such that it would impede function of button or button cap. The button shall be highly vandal resistant with essentially no moving parts.
- 7.3** The button cap shall be made of Grade 316 stainless steel.
- 7.4** The switch shall be a solid-state electronic switch rated for 100 million cycles with no moving plunger or moving electrical contacts.
- 7.5** The push button shall provide audible and vibrating feedback to operator when the button is pushed.
- 7.6** Each push button shall include a 5" x 7" integrated sign housing for mounting a 5" x 7" sign.
- 7.6** Each post shall be equipped with a push-button switch complete with integrated sign housing for total of two (2).



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**8.0 Signs**

8.1 All signs shall be provided and installed by the Jefferson Parish Traffic Engineering Division.

**9.0 Qualifications and Submittals**

9.1 Upon request prior to award, apparent low bidder must provide proof of qualification for each item listed below:

9.1.1 The product shall be FCC certified to comply with all 47 CFR FCC Part 15 Subpart B Emission requirements.

9.1.2 The product shall be Buy American compliant as per Title 23 United States Code, Section 313 as updated 10/29/2015.

9.1.3 Manufacturer must be ISO 9001 certified.

**10.0 Warranty**

10.1 Manufacturer shall provide a minimum 3-year warranty for all parts and material.

10.2 Jefferson Parish shall pay no shipping costs for return to manufacturer for all repairs while within the warranty period.

**11.0 Foundation Anchors**

11.1 Each sign will require one (1) Medium Duty Foundation Anchor Assembly for a total of two (2). (PELCO Part No. PB-5372-GLV or approved equal).

11.2 Each anchor assembly shall be Schedule 40 with ten inch to fifteen inch (10" - 15") bolt circle, four (4) one inch (1") – 8NC Grade 5 galvanized bolts.

11.3 The foundation anchor shall feature a top plate which enables the bolt head to be inserted after the anchor is in place.

11.4 The foundation anchor shaft shall include a two and three-eighths inch by twelve inch (2-3/8" x 12") hand hole for cable access.

11.5 The foundation anchor shall be hot dip galvanized per ASTM A123.



DATE: 1/20/2017

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00118746

**JEFFERSON PARISH**  
PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETN, LA. 70054-0009  
504-364-2678

VENDOR: RoadSNAP

BUYER: MOVALLE

Bids will be received until 11:00 AM, 1/27/2017 via fax: 504-364-2693 or via online at [www.jeffparishbids.net](http://www.jeffparishbids.net).

This site is free for all Jefferson Parish vendors. For additional information on registration or use of this free site, please see the text box highlighting electronic procurement.

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law, as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647. A copy of these resolutions may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at [purchasing.jeffparish.net](http://purchasing.jeffparish.net) and clicking on On-line forms.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Delivered, anywhere within the Parish as designated by the Purchasing Department. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications. JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit prices shall prevail.

JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in the quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum.

All formal Addenda require written acknowledgment on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected; JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A117.1-1991).

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS****IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS**

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at [www.jeffparishbids.net](http://www.jeffparishbids.net) to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

**ADDITIONAL REQUIREMENTS FOR THIS BID**

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

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1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(l), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise stated in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA - RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission; and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.

DATE: 1/20/2017

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 4

BID NO.: 50-00118746

**JEFFERSON PARISH**  
PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETN, LA. 70054-0009  
504-364-2678

VENDOR: RoadSNAP

BUYER: MOVALLE

As per LSA-RS 47:301 et seq., all governmental bodies are excluded from payment of sales taxes to any Louisiana taxing body. Quotations shall be based on F.O.B. Agency warehouse or jobsite, anywhere within the Parish as designated by the Purchasing Department.

JEFFERSON PARISH reserves the right to cancel all or any part of an order if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel at any time and for any reason by issuing a THIRTY (30) day written notice to the contractor.

JEFFERSON PARISH is expecting all products to be new and all work is to be done in a workman-like manner, according to standard practices. Any deviations or alterations from the specifications must be indicated and backup documentation supplied with your quotation.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES \_\_\_\_\_

INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK \_\_\_\_\_

INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK \_\_\_\_\_

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_  
NUMBER: \_\_\_\_\_  
NUMBER: \_\_\_\_\_  
NUMBER: \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) \_\_\_\_\_

**\*\*\* ALL BIDDERS MUST COMPLETE SECTION BELOW \*\*\***

FIRM NAME:

RoadSNAP

SIGNATURE:

(Must be signed here)

Jeffrey R. Doussan, Jr.

TITLE:

President

PRINT OR TYPE NAME:

Jeffrey R. Doussan, Jr.

ADDRESS:

4505 Canal St

CITY, STATE:

New Orleans, LA

ZIP:

70119

TELEPHONE:

(504) 255-6917

FAX:

(504) 297-2356

EMAIL ADDRESS:

elizabeth@roadsnap.com

TOTAL PRICE OF ALL BID ITEMS: \$ 9,113.16



DATE: 1/20/2017

## INVITATION TO BID FROM JEFFERSON PARISH - continued

Page: 5

BID NO.: 50-00118746

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>A ONE-TIME PURCHASE OF RECTANGULAR RAPID FLASHING BEACONS FOR THE JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION</p> <p>0001 - CARMANAH R920 RRFB RECTANGULAR RAPID FLASHING BEACON ASSEMBLY OR APPROVED EQUAL</p> <p>ASSEMBLY INCLUDES ALL NECESSARY EQUIPMENT AND INSTALLATION HARDWARE REQUIRED FOR TWO UNI-DIRECTIONAL, SOLAR POWERED, PUSH BUTTON ACTIVATED RAPID FLASHING BEACONS</p> <p>THE BEACONS, SOLAR PANEL AND ALL NECESSARY ENERGY SYSTEMS SHALL BE EQUIPPED WITH REQUIRED BRACKETS AND MOUNTING HARDWARE FOR 4-1/2" O.D. PEDESTAL POST MOUNT</p> <p>EACH SIGN WILL REQUIRE ONE (1) MEDIUM DUTY FOUNDATION ANCHOR ASSEMBLY FOR A TOTAL OF TWO (2). PELCO PART NUMBER PB-5372-GLV OR APPROVED EQUAL</p> <p>BEACONS TO BE INSTALLED BY THE JEFFERSON PARISH TRAFFIC ENGINEERING DIVISION</p> <p>SPECIFICATIONS ATTACHED</p>	<p>#4,556.58</p>	<p>#9,113.16</p>

## Rectangular-Rapid Flashing Beacon: 9400 Series

AB-9407








\* stand not included



Conforms to 4(09)-41(I)—Additional Flash Pattern for RRFBs

### Applications

This pedestrian-activated or remote-activated crosswalk beacon is the perfect solution for temporary or permanent locations:

-  Crosswalks
-  Fire Stations
-  Parking Lots
-  Construction Sites
-  College Campuses

Great for any mid-block or uncontrolled crosswalk.  
Give your emergency vehicles a chance to enter the roadway by alerting drivers.  
From shopping malls to private industrial sites, they're all a hazard for pedestrians.  
Aid pedestrians in crossing away from construction sites and closed sidewalks.  
Busy and packed with pedestrians.

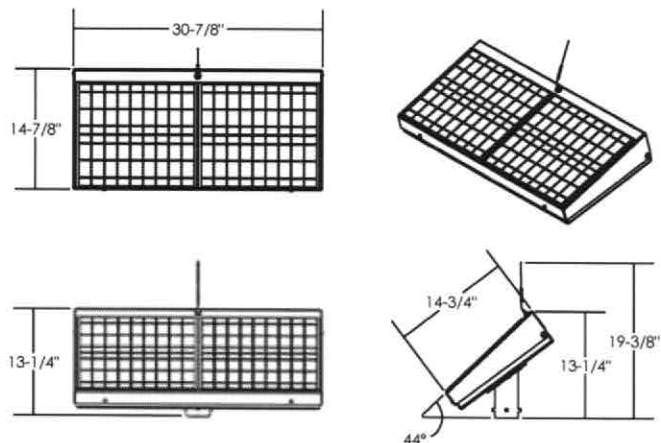
### Benefits

-  High Quality
-  Clean Technology
-  Reliable
-  Simple
-  Flexible
-  Elegant

Proudly designed and manufactured in North America.  
Solar-powered and wireless to save on power bills and end roadway trenching.  
Energy management system to ensure operation under all environmental conditions.  
Installs in minutes to minimize traffic disruption and allow for relocation and re-purposing.  
Adjustable activation duration to meet the needs of various traffic conditions.  
Self-contained, cabinet-free, discrete design to enhance streetscapes and inhibit vandalism.

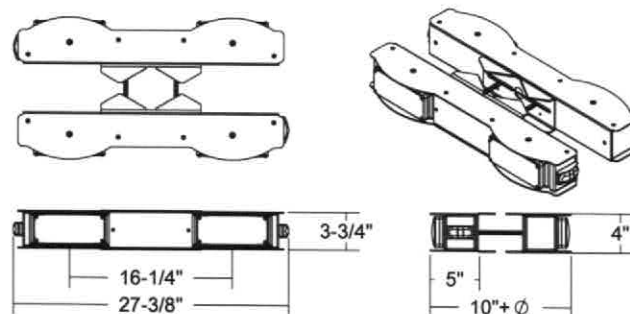
# Rectangular Rapid Flashing Beacon, 4 LED - Double sided.

## Solar Engine



Dimensions are in Inches  $\pm 1/16$ "

## AB-9407 Signal Head (3" x 7" LEDs)



Dimensions are in Inches  $\pm 1/16$ "

## Specifications

### System Overview

Certification	CE and UL certified electrical components, NEMA TS 2-2003 certified, SAE J595 (class 1) & SAE J578 certified LEDs
Compliance	FHWA MUTCD compliant FCC EMC Class A verified
Operation	Pedestrian push button or remote activated
Flash patterns	MUTCD pattern 4(09)-21 (I) — 6/13/2012 WW+S pattern 4(09)-41 (I) — 7/25/2014
Activation duration	Variable from 5 seconds to 60 minutes
Operating temperature	-40°F to +165°F (-40°C to +74°C)
Controller input voltage	12 V DC
Controller output voltage	9 – 20 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

Rated usage	300 cycles per day, 20 second activation
Charged capacity	Minimum of 20 days at rated usage (without charging)
Auto brightness	Auto brightness for nighttime conditions (no daytime dimming)
Customizable	Automatic brightness disabled on request
Self monitoring	Visual notification of sub-optimal operation

### LED Module

Standard	SAE J595 (Class 1) certified
Size	Approx — 3" x 7"
Horizontal LED pivot	20° off center
LED color	Amber or red
Tell-tale LED	Amber, approx — 1" x 2" Optional 3rd and 4th tell-tale LEDs available

### Communication

Type	ISM spread spectrum radio, 902-928 MHz
Range	Up to 0.5 miles (800 m) with line of sight
Network addresses	8 unique addresses to avoid interference between multiple crosswalk locations
Compatibility	All AB family units

### Physical Design

Design	Two piece system: beacon and solar engine
Color	Black, green or yellow Custom colors also available
Signal head & solar engine	6061-T6 powder coated aluminum
Weight	Approx — 68 lbs. (31 kg)
Available mounting for	Round pole: 2" – 8" Square post: 4", 6", 4"x 6" Side mounting

### Warranty

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

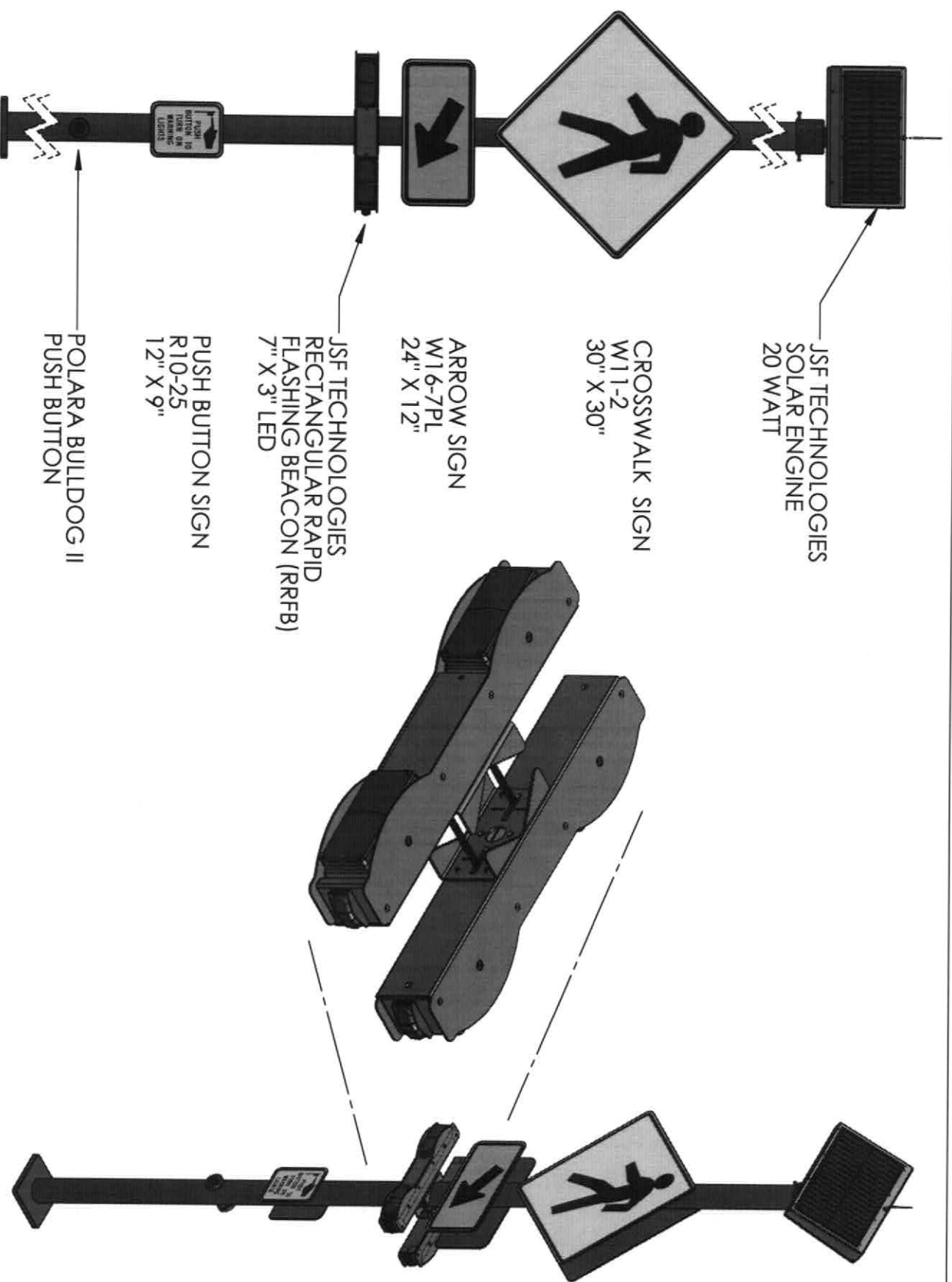
## Contact

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





PRODUCT SERIES

9000 SERIES, RRFB

DESCRIPTION

7" RRFB INSTALLATION, CROSSWALK  
CONFIGURATION WITH SIGNAGE

NAME	DATE
DRAWN ES	10 JAN 2013
REVISED DA	18 SEP 2014
APPROVED DA	18 SEP 2014

**JSF TECHNOLOGIES**

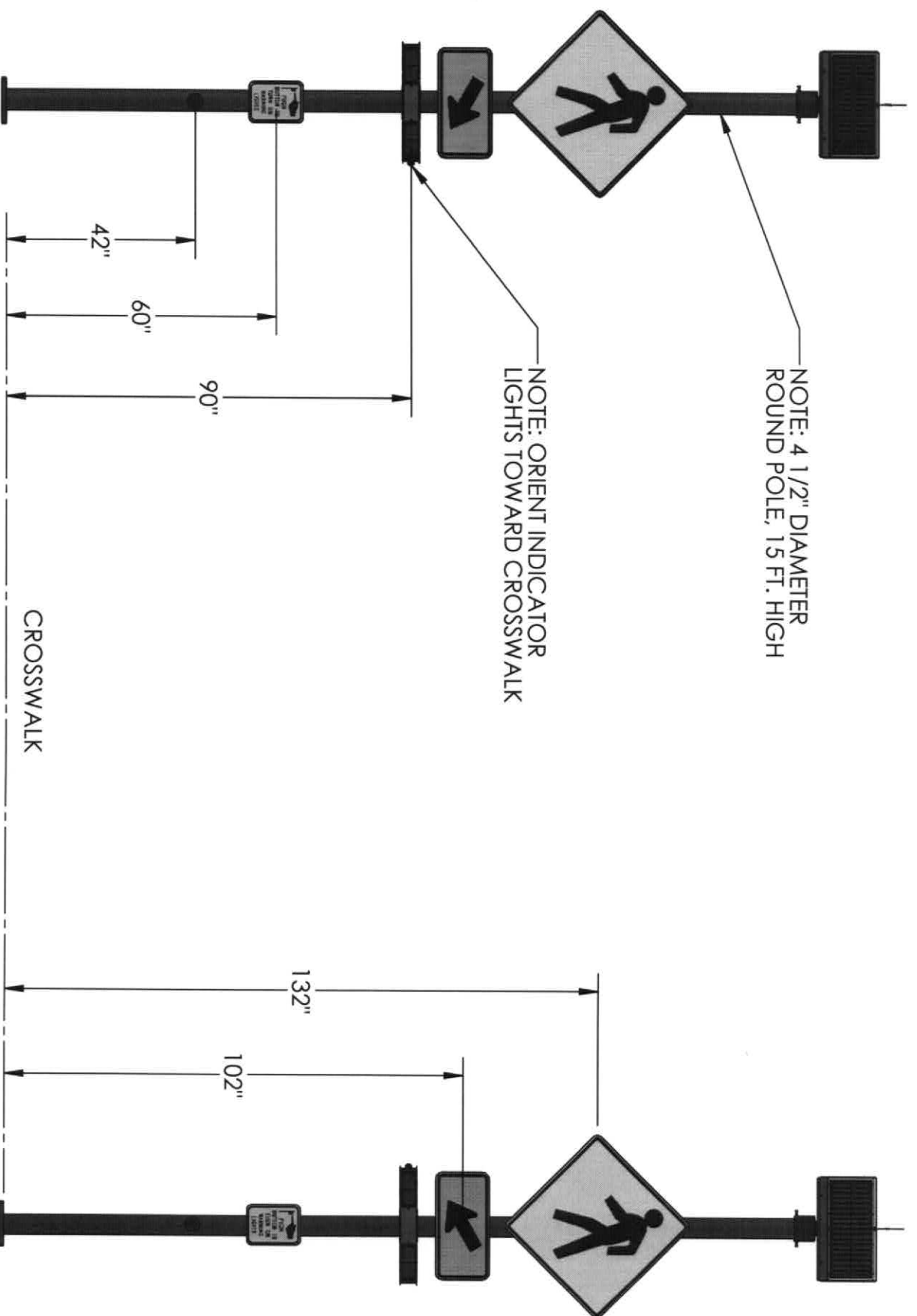
DWG. NO. AB-9407

REV B

UNLESS OTHERWISE SPECIFIED,  
ALL DIMENSIONS ARE IN INCHES ±1/8"

SCALE: 1:24

SHEET 1 OF 2



# PRODUCT SERIES

9000 SERIES, RRFB

## DESCRIPTION

7" RRFB INSTALLATION, CROSSWALK  
CONFIGURATION WITH SIGNAGE

NAME	DATE
ES	10JAN2013
DA	18SEP2014
DA	18SEP2014

JSF TECHNOLOGIES

DWG. NO.

AB-9407

REV  
B

UNLESS OTHERWISE SPECIFIED,  
ALL DIMENSIONS ARE IN INCHES ±1/8"

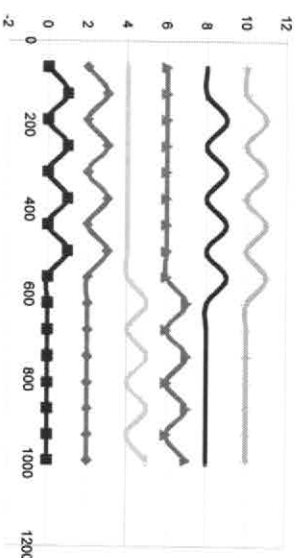
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SHEET 2 OF 2

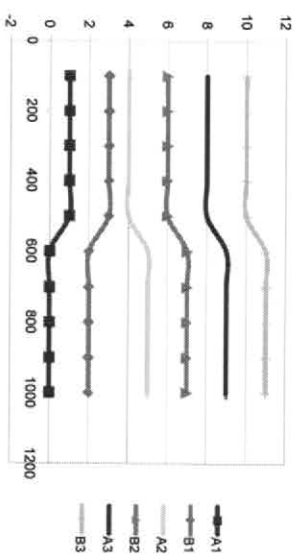
JSF Technologies Flash Patterns

JSF Strobe

State	time	A1	B1	A2	B2	A3	B3
0	62	0	2	4	6	8	10
1	124	1	3	4	6	8	10
2	186	0	2	4	6	8	10
3	248	1	3	4	6	8	10
4	310	0	2	4	6	8	10
5	372	1	3	4	6	8	10
6	434	0	2	4	6	8	10
7	496	1	3	4	6	8	10
8	558	0	2	4	6	8	10
9	620	0	2	5	7	8	10
10	682	0	2	4	6	8	10
11	744	0	2	5	7	8	10
12	806	0	2	4	6	8	10
13	868	0	2	5	7	8	10
14	930	0	2	4	6	8	10
15	992	0	2	5	7	8	10

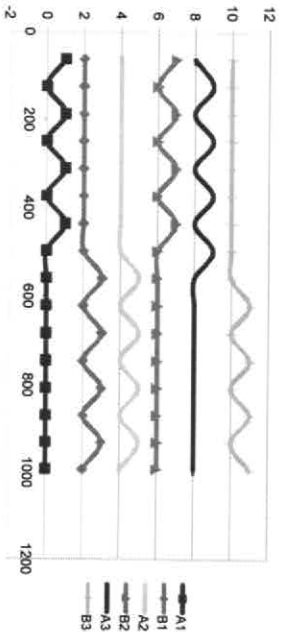


State	time	A1	B1	A2	B2	A3	B3
0	100	1	3	4	6	8	10
1	200	1	3	4	6	8	10
2	300	1	3	4	6	8	10
3	400	1	3	4	6	8	10
4	500	1	3	4	6	8	10
5	600	0	2	5	7	9	11
6	700	0	2	5	7	9	11
7	800	0	2	5	7	9	11
8	900	0	2	5	7	9	11
9	1000	0	2	5	7	9	11



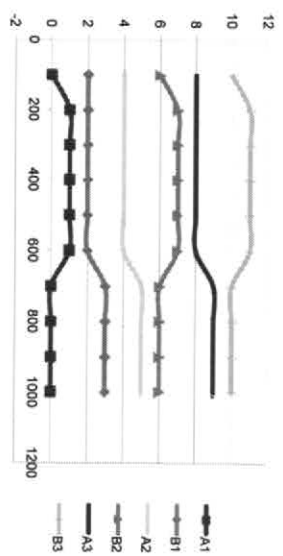
JSF Strobe – WIG WAG

State	time	A1	B1	A2	B2	A3	B3
0	62	1	2	4	7	8	10
1	124	0	2	4	7	8	10
2	186	1	2	4	7	8	10
3	248	0	2	4	7	8	10
4	310	1	2	4	7	8	10
5	372	0	2	4	7	8	10
6	434	1	2	4	7	8	10
7	496	0	2	4	7	8	10
8	558	0	2	5	6	9	10
9	620	0	2	4	6	8	10
10	682	0	2	4	6	8	10
11	744	0	2	4	6	8	10
12	806	0	2	4	6	8	10
13	868	0	2	4	6	8	10
14	930	0	2	4	6	8	10
15	992	0	2	4	6	8	10



MUTCD – WIG WAG

State	time	A1	B1	A2	B2	A3	B3
0	100	0	2	4	6	8	10
1	200	1	2	4	7	8	10
2	300	1	2	4	7	8	10
3	400	1	2	4	7	8	10
4	500	1	2	4	7	8	10
5	600	0	3	5	6	9	10
6	700	0	3	5	6	9	10
7	800	0	3	5	6	9	10
8	900	0	3	5	6	9	10
9	1000	0	3	5	6	9	10





## INDUSTRIAL TESTING LABORATORY

Report No. 150331-01A

Page 1 of 11

**TEST REPORT**

Report Date: 27 April 2015

Test Component: JSF Technologies AB-9400 Rapid Rectangular Flashing  
Beacon (RRFB)  
With Two (2) Flash Patterns

Submitted by: JSF Technologies  
Saanichton BC V8M 1Z8

Test Laboratory: Calcoast - ITL  
San Leandro, CA 94577

Samples Tested: One (1) RRFB Head and one (1) 12V battery  
submitted 31 Mar 2015  
One (1) Control Unit submitted 20 Apr 2015

**SUMMARY**

Specifications: SAE J595 MAR14

Photometric Test -

SAE J595 MAR14, Class 1 (Yellow)

RH Quint Pulse, Day Mode &amp; Night Mode (70.8%) .....Passed

LH Double Pulse, Day Mode &amp; Night Mode (70.8%) .....Passed

Flash Characteristics - SAE J595

RH Quint Pulse, LH Double Pulse.....Passed

Flash Rate Tests - SAE J595.....Not Tested

Mechanical Tests - SAE J575 APR12.....Not Tested

Color Test - SAE J578 JUL12.....Passed

Lens Material Tests - SAE J576 FEB10<sup>†</sup>.....Unknown<sup>†</sup> See AMECA for list of acceptable plastics or check with plastic material manufacturer.

Signature of Responsible Laboratory Official:

Mark A. Evans  
Laboratory Director

DESCRIPTION SHEET

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

LAMP DESCRIPTION

Housing/Base: Box with head swivel capability  
Lamps: Whelen Engineering 700 LED Warning Lamps  
Controller: WP5

MARKINGS:

Lens: "WHELEN ENG. CO. 700", "WHELEN ENG. CO. 700",  
"SAE-STIR-00 DOT", "SAE-WW5-00 DOT", "MOLD NO. 83582"  
Reflector: N/A  
Housing/Base: None visible  
Controller: See photos

LAMP DESCRIPTION:

LENS:  
Material: Amber Polycarbonate  
*Lens material formulation, pigment, and coating must comply with SAE J576 FEB10 3 year weathering requirements per SAE J595 5.10.*  
Gasket: Unknown

HOUSING:

Material: Plastic  
Method of Mounting: 4 screws  
Gasket: Rubber

BULBS USED:		Peak Current (Module)
	Yellow	0.41 A <sub>peak</sub>
QUANTITY:	8 LEDs	Simultaneous
SYSTEM VOLTAGE:	12Vdc	

**PHOTOMETRY SUMMARY SHEET**

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

**PHOTOMETRIC TESTS**

Specification(s): SAE J595 MAR14

Tests performed by: Mark Evans

Date: 23 Apr 2015

Meets requirements for SAE J595 Class 1 Yellow:

RH Quint Pulse, Day Mode & Night Mode (70.8%)

LH Double Pulse, Day Mode & Night Mode (70.8%)

NIST Reference Detector: P181-2

Test distance: 100 feet

All individual module tests performed with HV perpendicular to LED array.

Device operated at supplied battery voltage (12.6V) with SAE J1889 30 minute warmup with timer bypassed.

Lamps were aimed by placing laser targeting mirror on back of housing then rotating 180°.

**Lamp Operation**

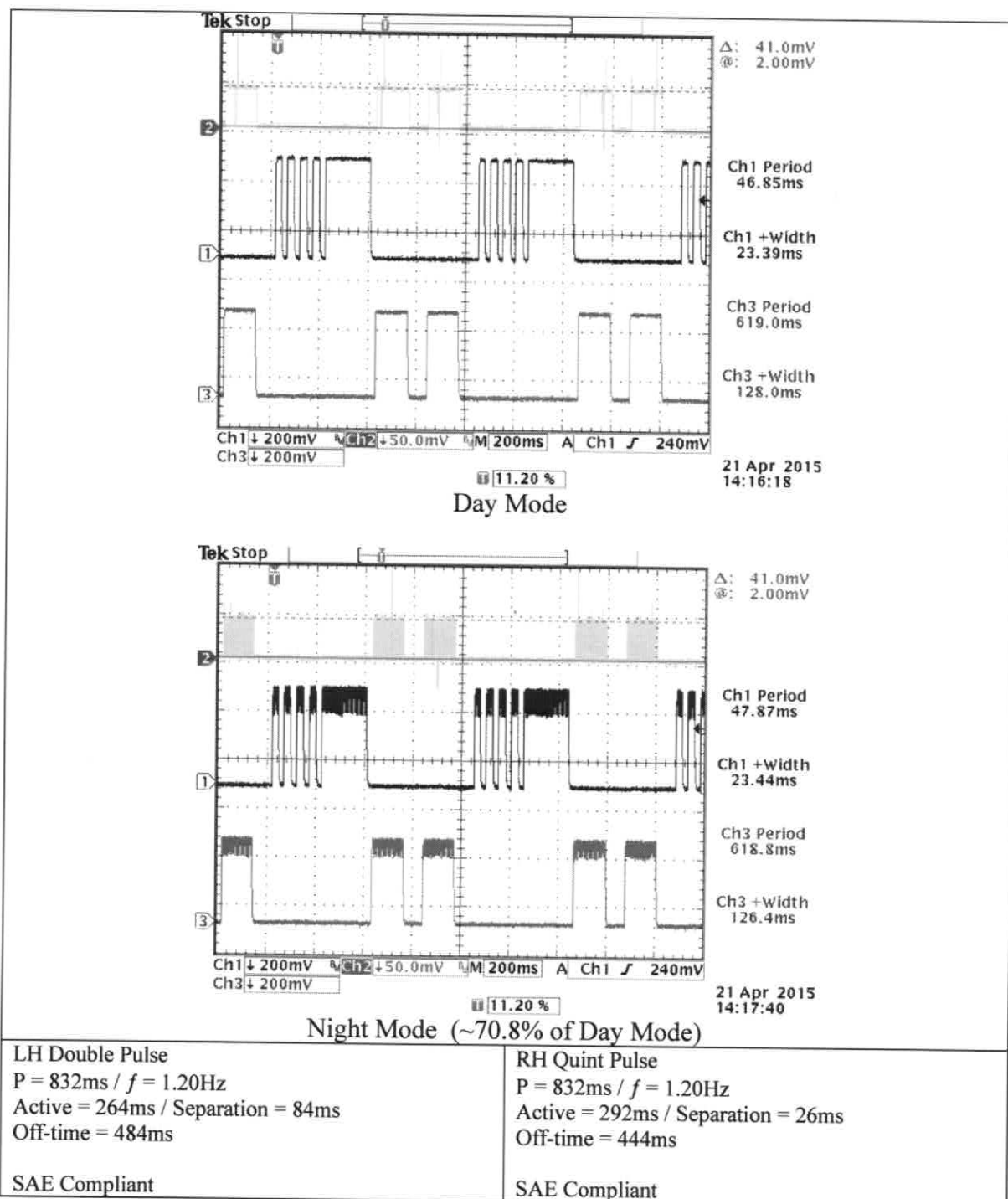
The lamps are designed to have the equivalent peak current and peak luminous intensity (Candela) in each flash pattern.

The Optical Power (Cd-sec/min) differs for each of the flash patterns and is proportional to the peak intensity, flash pattern frequency and total activation time (sum of the pulses).

**FLASH PATTERN SHEET**

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

Sample Number: 1 of 1



SAE J595 NOV08 requirements (see 3.10 and 6.7)

Flash rate = 1-4 Hz

Period = 250 - 1000ms

On-Time = N/A

Off-Time  $\geq 160\text{ms}$ Pulse Separations  $\leq 100\text{ms}$ .

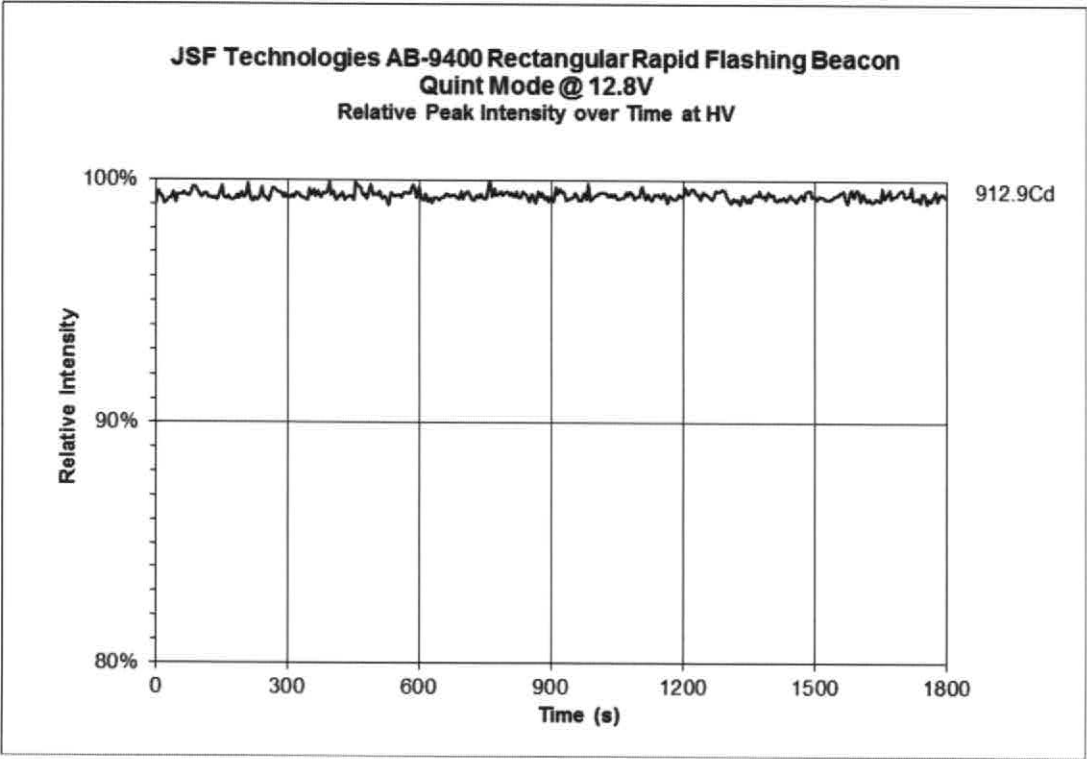


PHOTOMETRIC TEST DATA SHEET

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

Sample Number: Quint Pulse RH Head

Time Log, Peak Intensity Captured in 5 Second Increments



	Quint
Max:	918.9
Ratios	
1min/10min	0.997
10min/30min	1.003
1min/30min	1.000

**PHOTOMETRIC TEST DATA SHEET**

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

Sample Number: RH Quint, Day Mode

Specification: SAE J595 NOV08 (Directional LED Warning Lamp - Yellow)

Flash Mode:	Quint, Day				
Frequency:	1.20Hz				
On Time/Flash	0.292 Sec				
	Cd	Cd-Sec	Cd-Sec/Min	J595 (Class 1)	
				Cd	Cd-Sec/Min
10U/5L	140.3	41.0	2954	40	960
10U/V	174.7	51.0	3678	100	2400
10U/5R	127.8	37.3	2692	40	960
5U/20L	210.7	61.5	4437	40	960
5U/10L	369.1	107.8	7773	100	2400
5U/5L	565.7	165.2	11914	200	4800
5U/V	690.0	201.5	14531	300	7200
5U/5R	488.3	142.6	10284	200	4800
5U/10R	300.6	87.8	6331	100	2400
5U/20R	171.7	50.2	3617	40	960
H/20L	251.0	73.3	5286	60	1440
H/10L	490.9	143.3	10337	150	3600
H/5L	726.8	212.2	15305	400	9600
H/V	870.1	254.1	18324	600	14400
H/5R	668.5	195.2	14077	400	9600
H/10R	412.2	120.4	8681	150	3600
H/20R	234.3	68.4	4934	60	1440
5D/20L	155.2	45.3	3269	40	960
5D/10L	274.0	80.0	5770	100	2400
5D/5L	379.2	110.7	7987	200	4800
5D/V	490.9	143.3	10337	300	7200
5D/5R	370.4	108.2	7800	200	4800
5D/10R	232.0	67.7	4885	100	2400
5D/20R	135.9	39.7	2861	40	960
10D/5L	155.0	45.3	3264	40	960
10D/V	197.9	57.8	4167	100	2400
10D/5R	154.2	45.0	3248	40	960
Zone 1	1260.0	367.9	26535	340	8160
2	442.8	129.3	9325	180	4320
3	1435.8	419.3	30237	550	13200
4	3446.2	1006.3	72574	2000	48000
5	1270.9	371.1	26764	550	13200
6	507.1	148.1	10679	180	4320
7	1074.5	313.7	22627	340	8160

Voltage: 12.6V (Battery) / 27 Flashes Averaged

Meets requirements for SAE J595 Class 1 yellow in quint pulse flash.

PHOTOMETRIC TEST DATA SHEET

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

Sample Number: RH Quint, Night Mode

Specification: SAE J595 NOV08 (Directional LED Warning Lamp - Yellow)

Flash Mode:	Quint, Night				
Frequency:	1.20Hz				
On Time/Flash	0.292 Sec				
				J595 (Class 1)	
	Cd	Cd-Sec	Cd-Sec/Min	Cd	Cd-Sec/Min
10U/5L	140.3	41.0	2094	40	960
10U/V	174.7	51.0	2608	100	2400
10U/5R	127.8	37.3	1909	40	960
5U/20L	210.7	61.5	3146	40	960
5U/10L	369.1	107.8	5511	100	2400
5U/5L	565.7	165.2	8447	200	4800
5U/V	690.0	201.5	10302	300	7200
5U/5R	488.3	142.6	7291	200	4800
5U/10R	300.6	87.8	4488	100	2400
5U/20R	171.7	50.2	2564	40	960
H/20L	251.0	73.3	3748	60	1440
H/10L	490.9	143.3	7329	150	3600
H/5L	726.8	212.2	10851	400	9600
H/V	870.1	254.1	12991	600	14400
H/5R	668.5	195.2	9981	400	9600
H/10R	412.2	120.4	6155	150	3600
H/20R	234.3	68.4	3498	60	1440
5D/20L	155.2	45.3	2318	40	960
5D/10L	274.0	80.0	4091	100	2400
5D/5L	379.2	110.7	5662	200	4800
5D/V	490.9	143.3	7329	300	7200
5D/5R	370.4	108.2	5530	200	4800
5D/10R	232.0	67.7	3464	100	2400
5D/20R	135.9	39.7	2028	40	960
10D/5L	155.0	45.3	2314	40	960
10D/V	197.9	57.8	2954	100	2400
10D/5R	154.2	45.0	2303	40	960
Zone 1	1260.0	367.9	18813	340	8160
2	442.8	129.3	6612	180	4320
3	1435.8	419.3	21438	550	13200
4	3446.2	1006.3	51455	2000	48000
5	1270.9	371.1	18976	550	13200
6	507.1	148.1	7571	180	4320
7	1074.5	313.7	16042	340	8160

Voltage: 12.6V (Battery) / 27 Flashes Averaged

Meets requirements for SAE J595 Class 1 yellow in quint pulse flash night mode.

PHOTOMETRIC TEST DATA SHEET

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

Sample Number: LH Double Pulse, Day Mode

Specification: SAE J595 NOV08 (Directional LED Warning Lamp - Yellow)

Flash Mode:	Double, Day				
Frequency:	1.20Hz				
On Time/Flash	0.264 Sec				
				J595 (Class 1)	
	Cd	Cd-Sec	Cd-Sec/Min	Cd	Cd-Sec/Min
10U/5L	120.1	31.7	2286	40	960
10U/V	141.4	37.3	2692	100	2400
10U/5R	116.6	30.8	2220	40	960
5U/20L	161.5	42.6	3074	40	960
5U/10L	273.0	72.1	5198	100	2400
5U/5L	434.9	114.8	8280	200	4800
5U/V	589.2	155.6	11219	300	7200
5U/5R	463.0	122.2	8815	200	4800
5U/10R	310.0	81.9	5903	100	2400
5U/20R	161.1	42.5	3067	40	960
H/20L	239.1	63.1	4551	60	1440
H/10L	427.9	113.0	8147	150	3600
H/5L	702.9	185.6	13383	400	9600
H/V	961.0	253.7	18297	600	14400
H/5R	767.4	202.6	14611	400	9600
H/10R	489.6	129.3	9322	150	3600
H/20R	255.5	67.4	4864	60	1440
5D/20L	142.3	37.6	2709	40	960
5D/10L	253.6	67.0	4829	100	2400
5D/5L	398.4	105.2	7586	200	4800
5D/V	565.4	149.3	10765	300	7200
5D/5R	444.7	117.4	8468	200	4800
5D/10R	303.0	80.0	5770	100	2400
5D/20R	170.3	45.0	3243	40	960
10D/5L	137.3	36.3	2615	40	960
10D/V	180.6	47.7	3438	100	2400
10D/5R	138.9	36.7	2645	40	960
Zone 1	1069.4	282.3	20362	340	8160
2	378.1	99.8	7198	180	4320
3	1261.2	333.0	24013	550	13200
4	3585.9	946.7	68274	2000	48000
5	1397.3	368.9	26604	550	13200
6	456.8	120.6	8697	180	4320
7	1199.9	316.8	22846	340	8160

Voltage: 12.6V (Battery) / 27 Flashes Averaged

Meets requirements for SAE J595 Class 1 yellow in double pulse flash.

PHOTOMETRIC TEST DATA SHEET

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

Sample Number: LH Double Pulse, Night Mode

Specification: SAE J595 NOV08 (Directional LED Warning Lamp - Yellow)

Flash Mode:	Double, Night				
Frequency:	1.20Hz				
On Time/Flash	0.264 Sec				
				J595 (Class 1)	
	Cd	Cd-Sec	Cd-Sec/Min	Cd	Cd-Sec/Min
10U/5L	120.1	31.7	1621	40	960
10U/V	141.4	37.3	1909	100	2400
10U/5R	116.6	30.8	1574	40	960
5U/20L	161.5	42.6	2180	40	960
5U/10L	273.0	72.1	3685	100	2400
5U/5L	434.9	114.8	5871	200	4800
5U/V	589.2	155.6	7954	300	7200
5U/5R	463.0	122.2	6249	200	4800
5U/10R	310.0	81.9	4185	100	2400
5U/20R	161.1	42.5	2174	40	960
H/20L	239.1	63.1	3227	60	1440
H/10L	427.9	113.0	5776	150	3600
H/5L	702.9	185.6	9488	400	9600
H/V	961.0	253.7	12972	600	14400
H/5R	767.4	202.6	10359	400	9600
H/10R	489.6	129.3	6609	150	3600
H/20R	255.5	67.4	3448	60	1440
5D/20L	142.3	37.6	1921	40	960
5D/10L	253.6	67.0	3424	100	2400
5D/5L	398.4	105.2	5379	200	4800
5D/V	565.4	149.3	7632	300	7200
5D/5R	444.7	117.4	6004	200	4800
5D/10R	303.0	80.0	4091	100	2400
5D/20R	170.3	45.0	2299	40	960
10D/5L	137.3	36.3	1854	40	960
10D/V	180.6	47.7	2438	100	2400
10D/5R	138.9	36.7	1875	40	960
Zone 1	1069.4	282.3	14436	340	8160
2	378.1	99.8	5104	180	4320
3	1261.2	333.0	17025	550	13200
4	3585.9	946.7	48406	2000	48000
5	1397.3	368.9	18862	550	13200
6	456.8	120.6	6166	180	4320
7	1199.9	316.8	16198	340	8160

Voltage: 12.6V (Battery) / 27 Flashes Averaged

Meets requirements for SAE J595 Class 1 yellow in double pulse flash night mode.

## COLORIMETRY TEST DATA SHEET

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon

COLOR TEST: SAE J578 JUL12

Spectroradiometric method using Photo Research PR650

Test Performed By: Mark A. Evans

Date: 23 April 2015

Test Distance: 5ft

Voltage: 12.6V (Battery)

Location: HV

Color	Measured (x, y)	Required	Chart
Yellow	Quint Pulse T = 0min (0.5806, 0.4177) T = 30min (0.5814, 0.4168)	$y \geq 0.390$ $y \geq 0.79 - 0.67x$ $y \leq x - 0.120$	<p>The chart is titled 'SAE J578 Yellow'. It is a CIE color space plot with x-axis from 0.54 to 0.62 and y-axis from 0.38 to 0.45. A solid line represents the 'CIE Locus'. A shaded region represents the 'Yellow Boundary'. Two test points are plotted: a diamond for 'T = 0min' at (0.5806, 0.4177) and a square for 'T = 30min' at (0.5814, 0.4168). Both points are within the yellow boundary.</p>

Yellow - The color of the light emitted through the lens falls within the acceptable limits for amber/yellow at all times.

PHOTOGRAPH SHEET

Device Name: JSF Technologies AB-9400 Rapid Rectangular Flashing Beacon





# SPECIFICATIONS

This button is a highly vandal resistant button with essentially no moving parts. It is pressure activated, but can withstand an impact from a baseball bat or hammer. When the switch activates, you hear a two tone beep and the LED flashes.

Body Material: Aluminum, Powder Coated

Colors: Black, Green & Yellow

To specify color, add B for black, G for green or Y for yellow in "X" position in part number.

Button Material: 316 Stainless Steel  
Piezo Driven Solid State Switch:

Operating Force: 3 lbs. Maximum

Operating Temperature: -30°F to 165°F (-34°C to 70°C)

Operating Voltage: 15-36V DC or 12-28V AC

On Resistance: 10  $\Omega$  typical.

Operating Life: Greater than 100 million operations.

Switch Hold Time: 6 seconds Minimum

Operating Standby Current: 10 $\mu$ A typical (equivalent to 2 M $\Omega$  at 20V)  
LED:

Operating Mode: Approx. 0.025 sec flash each time button is pressed.

Luminous Intensity: Greater than 1200 mcd (ultra bright red)

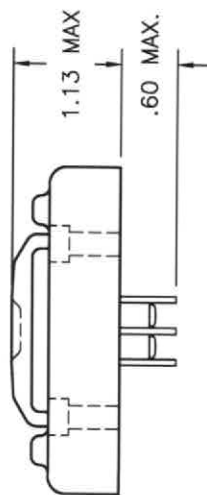
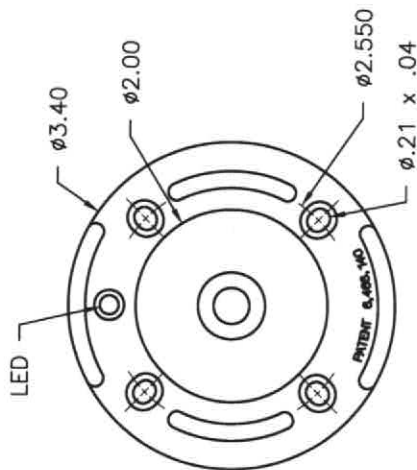
Viewing Angle: 160°

Beeper:

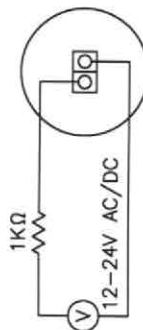
Sounds simultaneously with LED flash.

Different tones for press and release, 2.3 kHz & 2.6 kHz.

Beeper uses power from existing switch wires.



Suggested Test Circuit



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**POLARA ENGINEERING INC.**  
4115 W. ARTESIA AVE. FULLERTON, CA. 92833

TOLERANCES: .XXX ±.005.XX ±.02 (EXCEPT AS NOTED)

DRAWN BY CKR. ENG. MGR. MFG. MGR. SCALE 1:2

DATE 07-23-03 DSN. ENG. Q.A. APP. SHEET 1 OF 1

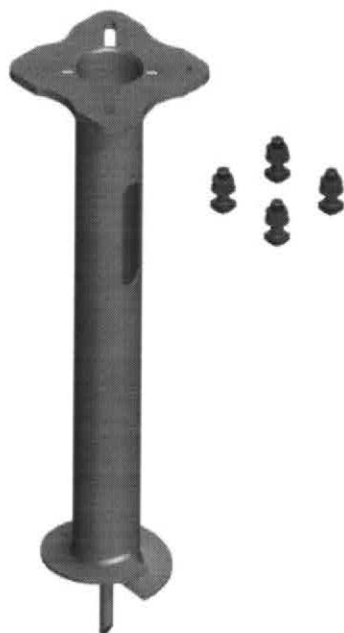
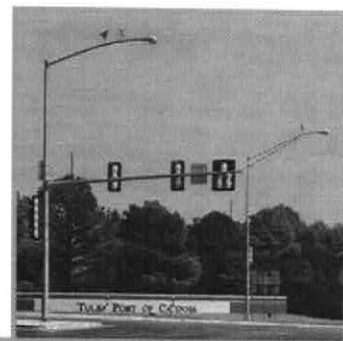
TITLE VANDAL RESISTANT PUSH BUTTON w/ LED, MOMENTARY USE

REV. DATE LTR E.C.O. NO. BY CKR ENG DSN MFG QA FNL

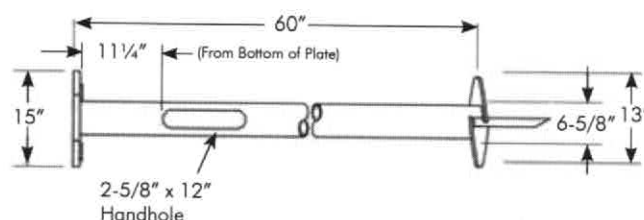
DWG. NO. BDLM2-X

## Foundation Anchors

Pelco's foundation anchors feature a top plate which enables the bolt head to be inserted after the anchor is in place. This eliminates the necessity of digging under the plate to install base bolts. Plate scrapers loosen the soil for easy bolt installation from top of the plate. The bolt is held by the plate scraper which prevents it from turning.

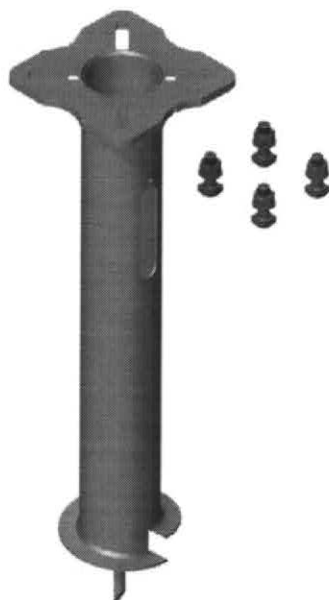


**PB-5372-GLV Foundation Anchor Assy, 6" Sch 40 x 5'-0" 10" to 15" Bolt Circle, 1"-8NC Hardware**

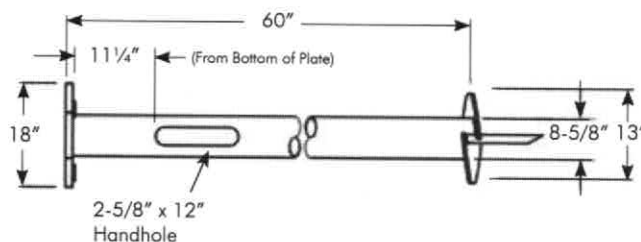


Note:

For residential lights, parking lots, etc. Typically for poles ranging from 20'-30' in height. (wt. 167 lbs.)



**PB-5375-GLV Foundation Anchor Assy, 8" Sch 40 x 5'-0" 13" to 18" Bolt Circle, 1-1/4"-7NC Hardware**



Note:

For street and highway lighting. Typically for poles ranging from 30'-50' in height. (wt. 239 lbs.)

- Note: 1. Foundation anchors are hot dip galvanized per ASTM A123.  
 2. All assemblies are supplied with Grade 5 Galvanized Bolts.  
 3. All assemblies with hardware are bagged in a nylon weatherproof bag.

## Pedestal Poles

Pelco offers aluminum, iron, and plastic bases in various sizes as well as poles in aluminum and steel. Pelco's cast aluminum square base is FHWA certified and meets or exceeds AASHTO break-away requirements. Plastic replacement doors offer an economical way to deter vandalism.



1



2



3



### 1. Pedestal Pole, 4" Sch 40, Spun Alum No Threads

PB-5101 -  Length -  Coating

PNC=Process No Color  
P\_\_=Paint

### 2. Pedestal Pole, 4"- 8 NPT Sch 40, Spun Alum w/ Pelican ID

PB-5100 -  Length -  Coating

PNC=Process No Color  
P\_\_=Paint

### Pedestal Pole, 4"- 8 NPT Sch 80, Spun Alum

PB-5102 -  Length -  Coating

PNC=Process No Color  
P\_\_=Paint

### Pedestal Pole, 4"- 8 NPT Sch 40, Steel

PB-5201 -  Length -  Coating

P\_\_=Paint

### Pedestal Pole, 4"- 8 NPT Sch 40, Galv Steel

PB-5200 -  Length - GLV -  Coating

Blank=Galvanized Only  
P\_\_=Paint over Galvanized

### 3. Pedestal Pole, Welded, 4"- 8 NPT w/ 2-3/4" Nipple Length, Steel

PB-5218 -  Length -  Coating

GLV=Galvanized  
P\_\_=Paint

### Pedestal Pole, Welded, 4"- 8 NPT w/ 5-1/2" Nipple Length, Steel

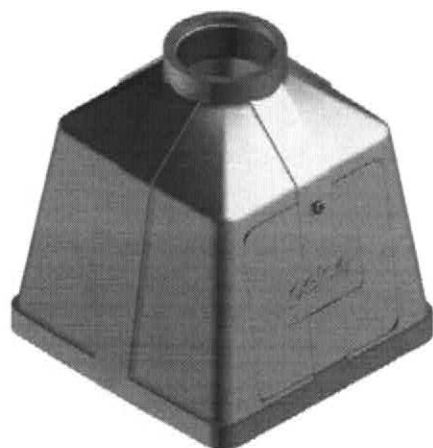
PB-5219 -  Length -  Coating

GLV=Galvanized  
P\_\_=Paint

Note: 1. Standard poles are typically sold in 1 foot increments. For other lengths contact sales.  
2. See Reference Section for available paint colors.

# Square Pedestal Bases Aluminum

Pelco offers aluminum, iron, and plastic bases in various sizes as well as poles in aluminum and steel. Pelco's PB-5334 and PB-5335 cast aluminum square bases are FHWA certified and meets or exceeds AASHTO break-away requirements. Plastic replacement doors offer an economical way to deter vandalism.

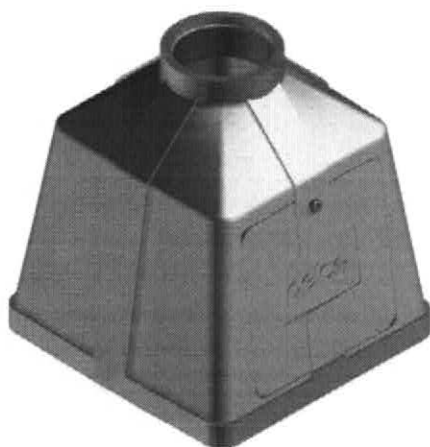


## Square Base Assembly, Alum w/ Alum Door

Door	Set Screws in Collar	Grounding Lug	Coating
PB-5334 - <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>
NL=No Logo Blank=Pelco Logo	1S=1 Hex Bolt 3S=3 Set Screws Blank=None	GL=Grounding Lug Blank=None	PNC=Process No Color P__=Paint

## Square Base Assembly, Alum w/ Plastic Door

Door	Set Screws in Collar	Grounding Lug	
PB-5335 - <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>	PNC
NL=No Logo Blank=Pelco Logo	1S=1 Hex Bolt 3S=3 Set Screws Blank=None	GL=Grounding Lug Blank=None	

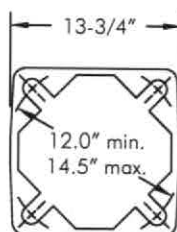
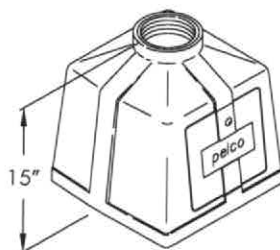


## Square Base Assembly, Alum Heat Treated w/ Alum Door

Door	Set Screws in Collar	Grounding Lug	Coating
PB-5336 - <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>
NL=No Logo Blank=Pelco Logo	1S=1 Hex Bolt 3S=3 Set Screws Blank=None	GL=Grounding Lug Blank=None	PNC=Process No Color P__=Paint

## Square Base Assembly, Alum Heat Treated w/ Plastic Door

Door	Set Screws in Collar	Grounding Lug	
PB-5337 - <input type="checkbox"/>	- <input type="checkbox"/>	- <input type="checkbox"/>	PNC
NL=No Logo Blank=Pelco Logo	1S=1 Hex Bolt 3S=3 Set Screws Blank=None	GL=Grounding Lug Blank=None	



- Note: 1. AASHTO Certified Square Aluminum Base: PB-5334 and PB-5335 aluminum square bases above are available with AASHTO certifications and FHWA approval. Please specify by adding the Certification Part No. C-1001 in addition to the base part number.  
2. All assemblies are supplied standard with stainless fasteners.  
3. See Reference Section for available paint colors.



6761 Kirkpatrick Cres. Victoria BC Canada V8M 1Z8

#### 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

WARRANTY TERMS AS OF 2013

WARRANTY TERMS



**VERSILIS** INC

February 20, 2013

From:  
Marc-André Séguin  
Vice-President  
Versilis Inc.  
4295 St-Elzear Boulevard West  
Laval, QC Canada  
H7P 4J3

Re: Buy America Certification for SwiftGate™ Highway Lane Closure System

To Whom It May Concern-

I, Marc-André Séguin, certify that the following product is exempt from the Federal Highway Administration Buy America requirements as specified in Title 23 of the Federal Code of Regulations (CFR) Section 635.410, by virtue of the fact that the products are not manufactured predominantly of steel or iron (as this standard has been defined by the FHWA as products consisting of at least 90% steel or iron content when it is delivered to a job site for installation):

SwiftGate™ Lane Closure Module

If any of the above compliance statements change, we will immediately notify the appropriate parties.

Yours truly,

Marc-André Séguin  
Vice-President  
Versilis Inc.