

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

DATE: 1/19/2017

BID NO.: 50-00118754

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

VENDOR: K & K SYSTEMS, INC.

(#245077)

BUYER: DREAMEY

Bids will be received until 11:00 AM, 1/25/2017 via fax: 504-364-2693 or via online at 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 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 A1 17.1-1961).

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 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 state 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: 1/19/2017

BID NO.: 50-00118754

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETNA, LA. 70054-0009
504-364-2678

VENDOR: K & K SYSTEMS, INC. (#245077)

BUYER: DREAMEY

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	<u>30 days ARO (After Receipt of Order)</u>
INDICATE STARTING TIME (IN DAYS) FOR CONSTRUCTION WORK	<u>N/A</u>
INDICATE COMPLETION TIME (IN DAYS) FOR CONSTRUCTION WORK	<u>N/A</u>

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: NONE KNOWN

NUMBER: _____

NUMBER: _____

NUMBER: _____

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

*** ALL BIDDERS MUST COMPLETE SECTION BELOW ***	
FIRM NAME: K & K SYSTEMS, INC.	
SIGNATURE: (Must be signed here) <i>Troy G. Keith</i>	TITLE: PRESIDENT
PRINT OR TYPE NAME: TROY G. KEITH	
ADDRESS: 687 PALMETTO ROAD	
CITY, STATE: TUPELO, MS	ZIP: 38801
TELEPHONE: (888) 414-3003	FAX: (662) 566-7123
EMAIL ADDRESS: tim@k-systems.com	

TOTAL PRICE OF ALL BID ITEMS: \$ 5,500.88

SPECIFICATIONS FOR A SOLAR POWERED, SCHOOL ZONE
FLASHING BEACON
(BARATARIA BOULEVARD)

1. GENERAL

- 1.1. This specification describes the material required for the purchase of two (2) Solar Powered School Zone Flashing Beacons. (Carmanah Technologies Corp. Model: R829-G Solar School Zone Flashing Beacon Assembly, or approved equal). Each unit shall consist of a solar panel with mount, control cabinet that houses the Energy Management System (EMS), battery, and third party time switch. The system shall be compatible with existing time switch software. Each unit shall include two 12" LED modules and signal housings. The system shall conform to all applicable provisions of the MUTCD, and shall have the capability of meeting ITE intensity requirements for vehicle traffic signals.
- 1.2. The beacons will be installed by Jefferson Parish Traffic Engineering. All required signs shall be furnished by Jefferson Parish Traffic Engineering Division.
- 1.3. Jefferson Parish Traffic Engineering shall determine the exact locations of the beacons.
- 1.4. The control cabinets shall be constructed from aluminum with a lockable industry standard #2 lock and tamper-proof hinged door. The EMS, batteries and third party time switch shall be mounted in the control cabinet. The control cabinet shall be vented to provide air circulation and cooling of the battery and electronic system. Venting shall be covered on the inside by wire mesh to prevent intrusion of insects.

The overall weight of the control cabinets shall not exceed 90lbs (41 kg) with the battery installed and shall have the approximate dimensions: 24" H x 16" W x 8" D (61cm H x 41cm W x 21 cm D).

2. MOUNTING / INSTALLATION

- 2.1. One control cabinet shall be furnished with two mounting brackets for either banding or U-bolt mounting to a 4.5" outer diameter round pole.
- 2.2. One control cabinet shall be furnished with two mounting brackets for banding on a wooden utility pole.
- 2.3. One beacon assembly shall come equipped with material and hardware for mounting on a 4 ½" O.D. pedestal post. One beacon assembly shall come equipped with material and hardware for mounting on an existing utility pole.

SPECIFICATIONS FOR A SOLAR POWERED, SCHOOL ZONE
FLASHING BEACON
(BARATARIA BOULEVARD)

- 2.4. The assembly mounted to the 4 ½" O.D. pedestal post will require one (1) Medium Duty Foundation Anchor Assembly. (PELCO Part No. PB-5372-GLV or approved equal).
- 2.5. The 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.
- 2.6. The foundation anchor shall feature a top plate which enables the bolt head to be inserted after the anchor is in place.
- 2.7. 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.
- 2.8. The foundation anchor shall be hot dip galvanized per ASTM A123.

3. CONFIGURATION

- 3.1. The control cabinet shall house an on-board user interface with a 4-character LED display that provides on-site configuration adjustment, system status, fault notification, and built-in system test.

4. SOLAR / BATTERY SYSTEM

- 4.1. The system shall include one 20-watt solar panel supplied with mounting hardware. The control cabinet shall house one 75 Ah sealed lead-acid battery. Solar panel and battery system shall be 12 Volt DC (nominal).

5. SIGNAL HOUSINGS

- 5.1. All signal head housings, visors and fittings shall be dark green. The underside of all signal visors shall be finished in dull (non-reflective) black. Aluminum signal brackets and hardware shall be furnished with one coat of primer and two individual coats of dark green enamel. The top of the brackets shall be blank or fitted with a weatherproof plug cap unless otherwise specified. Cap visors shall be required on all signal housings.
- 5.2. The reflectors shall be removed to facilitate the installation of LED lenses.
- 5.3. Each signal face shall be provided with a terminal strip equipped with a spare connector for connecting to the individual lamp socket leads.

SPECIFICATIONS FOR A SOLAR POWERED, SCHOOL ZONE
FLASHING BEACON
(BARATARIA BOULEVARD)

- 5.4. All signal heads and mounting hardware shall use tri-stud or mono-stud connections. Studs shall be 5/16inch diameter with 18 threads per inch.
- 5.5. Mounting brackets shall be of one piece cast aluminum construction and shall provide for tri-stud connection to the signal sections.
- 5.6. All signal Heads shall be aluminum alloy construction. The housing doors shall be made of similar material and shall be held shut by a device operable with one hand without the use of tools and shall not be easily removable. The door, when open, shall provide complete access to the interior of the housing and a device shall be included to hold the door open while working inside the hanger if it will not remain open.
- 5.7. Signal heads shall be vertical unless otherwise specified.
- 5.8. Side mount heads shall be furnished for attaching brackets to vertical supports and straps as required for utility pole mounting. The bracket mounting hub shall accept 1-1/2inch conduit and provide for a wire opening equivalent to a 1-1/2inch conduit.
- 5.9. The signal housings shall meet the requirements of the: Equipment & Material Standards of the Institute of Transportation Engineers (ITE), Chapter 2.
- 5.10. The signal housings must be able to rotate independent from the bracket for lens alignment.
- 5.11. Each signal head shall contain twelve (12) polymer lens clips (GGI Quick Change Clips QCK-12-PAK, or approved equal) – four (4) per LED lens. The lens clip assembly shall be constructed of an engineered automotive grade polymer designed for all environmental conditions (-40° F to +176° F).
- 5.12. The lens clip assembly shall surpass ITE wind loads for traffic signals without damage to the lens clip assembly.
- 5.13. The lens clip assembly shall be designed such that it securely holds round lens diameters of nominal 8" and 12" as well as undersized LED modules. The lens clip assembly shall firmly hold lens / gasket combinations of varying thickness from rotation and vibration.
- 5.14. The lens clips shall come with a lifetime warranty from the manufacturer.

SPECIFICATIONS FOR A SOLAR POWERED, SCHOOL ZONE
FLASHING BEACON
(BARATARIA BOULEVARD)

6. LED Signal Modules

6.1. The LED signal module(s) shall conform to the mandatory specifications of: ITE Vehicle Traffic Control Signal Heads, Light Emitting Diode (LED) Circular Signal Supplement as required by the 2009 Manual on Uniform Traffic Control Devices (MUTCD) Chapter 4D.

6.2. All signal heads shall be equipped with 12" Yellow Ball DIALIGHT LED lenses (Part No. 433-3230-901XL) or approved equal.

7. Operational Specifications

7.1. The system shall conform to all applicable provisions of the MUTCD and shall provide configurable intensity settings up to and including the ITE VTCSH LED circular signal supplement requirement.

7.2. The system shall include a third party time switch, (Eltec NTC-17E-TX, or approved equal) and shall have the capacity to operate at an agency specified number of hours per day, and a specified number of days per week using the available solar radiation at the installation location.

8. Activation

8.1. The system shall be activated by an owner-approved third-party time switch with or without remote monitoring and/or control.

9. Energy Balance, Array-to-Load Ratio (ALR) and Autonomy Calculations

9.1. The manufacturer shall provide an energy balance report consisting of the following: Energy-In, Energy-Out, Array-to-Load Ratio (ALR) and System Autonomy calculations.

9.2. **Energy-In** is the net amount of energy available to charge the battery or run the system, accounting for:

9.2.1. The energy from the solar panel based on available solar radiation at the installation location for the solar panel's inclination angle. The insolation values used in calculations shall be for the worst-case month of the calendar year. The source of the insolation data shall be the NASA Atmospheric Data Center.

SPECIFICATIONS FOR A SOLAR POWERED, SCHOOL ZONE FLASHING BEACON (BARATARIA BOULEVARD)

9.2.2. Shading from nearby trees, buildings or other structures, unique to a particular location, are to be factored-in and the calculations shall clearly show and justify the reduction of available energy to the system.

9.2.3. All efficiency values within the energy chain, including battery charge acceptance, and adjustments for Maximum Power Point Tracking (MPPT) if applicable.

9.3. **Energy-Out** is the net amount of consumed energy, including the sum of all quiescent and operating loads in the system as per the prescribed operating schedule. These loads include the EMS, LED fixtures, third-party time switch, and remote communications – calculated over a 24-hour period.

9.4. Array-to-Load Ratio (ALR)

9.4.1. System ALR shall be calculated as: Energy-In divided by Energy-Out as defined above. System shall be designed or configured to achieve a minimum ALR of 1.2:1 or 1.2

9.5. Autonomy

9.5.1. Autonomy is defined as:

The number of days that a system is able to continue to operate in the prescribed manner without degradation in performance – if all solar charging is removed.

9.5.3. A system autonomy value shall be provided and shall be calculated using the following method which references the NASA Atmospheric Data Center's "no-sun days" values and considers the following:

9.5.4. The specific geographical location, and the calendar month that presents a worst-case scenario in terms of insolation vs. system load.

9.5.5. Autonomy calculation, defined as:

(Temperature de-rated battery capacity minus battery capacity unavailable due to Low Voltage Disconnect) divided by Daily total energy consumption including all additional loads from third-party time switches with or without remote monitoring and/or control i.e. available battery capacity divided by 24-hour system load.

SPECIFICATIONS FOR A SOLAR POWERED, SCHOOL ZONE
FLASHING BEACON
(BARATARIA BOULEVARD)

$$\frac{\text{Temperature and LVD Adjusted Battery Capacity}}{\text{Total 24-Hour System Load}} = \text{Number of Days of Autonomous Operation}$$

10. Qualifications

- 10.1. The product shall be FCC certified to comply with all 47 CFR FCC Part 15 Subpart B Emission requirements.
- 10.2. The product shall be Buy American compliant.
- 10.3. Manufacturer shall provide a 5 Year Limited Warranty.
- 10.4. Manufacturer must be ISO 9001 certified.

11. Compliance and Submittals

- 11.1. Upon request prior to award, apparent low bidder must provide Jefferson Parish a Certification of Compliance from the manufacturer. The certificate shall certify that the radar speed sign, solar power system, batteries and solar controller complies with the requirements of these specifications.
- 11.2. Upon request prior to award, apparent low bidder must submit an equipment list, standard drawings, and standard specifications.
- 11.3. Successful bidder, must supply the following:
 - 11.3.1. Maintenance Manuals (2 required)
 - 11.3.2. Operation Manuals (3 required)
 - 11.3.3. Shop drawings showing mechanical sign support for the solar power system and the flashing beacon.
 - 11.3.4. Cabinet print showing all electrical connections (2 required)
 - 11.3.5. Warranty documentation

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00118754

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	2.00	EA	<p>ONE TIME PURCHASE:</p> <p>0001 SOLAR POWERED SCHOOL ZONE FLASHING BEACONS</p> <p>CARMANAH R829G DUAL SOLAR SCHOOL ZONE BEACON ASSEMBLY OR APPROVED EQUAL K&K Systems 112-D12</p> <p>THE ASSEMBLY MOUNTED TO THE 4-1/2" O.D. PEDESTAL POST WILL REQUIRE ONE (1) MEDIUM DUTY FOUNDATION ANCHOR ASSEMBLY PELGO PART NO. PB-5372-GLV K&K Systems DB-4-60 OR APPROVED EQUAL</p> <p>THE BEACONS WILL BE INSTALLED BY THE TRAFFIC ENGINEERING DIVISION</p> <p>PLEASE NOTE IN THE SPECIFICATIONS THE 2 DIFFERENT MOUNTING REQUIREMENTS</p> <p>SPECIFICATIONS ATTACHED</p>	\$ 2,750.44	\$ 5,500.88



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. For more information, please contact the Purchasing Department or visit 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.

January 24, 2017

Jefferson Parish Purchasing Department
200 Derbigny Street, Suite 4400
Gretna, LA 70053

RE: Exceptions to Specifications for BID No. 50-00118754

Dear Jefferson Parish Purchasing Department,

K&K Systems, Inc. manufactures traffic safety products that are compliant with MUTCD, ITE, Buy America, and NTCIP standards. We are submitting a bid and information for our 112-D12 Solar School Zone Flashing Beacon system. Please consider the following exceptions to your bid specifications.

Specification:

1. GENERAL (page 1 of 6)

→ 1.1 This specification describes the material required for the purchase of two (2) Solar Powered School Zone Flashing Beacons... The system shall be compatible with existing time switch software...

Exception:

The K&K Systems Solar Flashing Beacon 112-D12 system includes a 365 day timer, which may not be compatible with existing time switch software. The K&K Systems timer has a non-volatile memory, with automatic compensation for daylight savings and leap year. There are thirty two (32) programs, five hundred (500) steps, and sixty three (63) exception periods. If you would like to see a video of how to program the timer, here is a link

<http://k-systems.com/products/solar-flasher-beacons/school-zone-beacons/model-112-d12/>

Specification:

2. MOUNTING / INSTALLATION (page 2 of 6)

→ 2.4 The assembly mounted to the 4 ½ O.D. pedestal post will require one (1) Medium Duty Foundation Anchor Assembly. (PELCO Part No. PB-5372-GLV or approved equal.)

Exception:

K&K Systems uses a Drive Base (DB-4-60). The drive base is a foundation anchor for pedestal base, 4" fins x 60" ht. (8" diameter), top plate with mounting bolts kit. Installation only needs a jackhammer and ten (10) minutes. A drawing is attached for review. If you would like to see a video of a Drive Base being installed, here is a link <http://k-systems.com/10-minute-pole-base-installation/>

Specification:

2. MOUNTING / INSTALLATION (page 2 of 6)

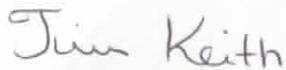
→ 2.8 The foundation anchor shall be hot dip galvanized per ASTM A123.

Exception:

K&K Systems uses powder coat paint instead of hot dip galvanized coating.

Thank you for your consideration. We look forward to working with you. If you have any questions, please call us toll-free at 1-888-414-3003 or email timothy@k-systems.com. We will be happy to help!

Sincerely,



Tim Keith

President

K&K Systems, Inc.

Phone: 888-414-3003

Fax: 662-566-7123

<http://www.k-systems.com/>

K&K Systems

Systems

QUOTATION

687 Palmetto Road
Tupelo, MS 38801
www.k-ksystems.com

email: timothy@k-ksystems.com
Phone: 662-566-2025
Fax: 662-566-7123 TollFree: 888-414-3003

Quotation #: Q170124TK-2
Quotation Date: 1/24/2017
Customer Type: Your Cost

Customer Contact: DREAMY
Quote Valid: 45 days
Prepared by: Timothy Keith

Bill To:	Ship To:
Name: DREAMY	(Update if different than Bill To address) Name: DREAMY
Company Name: JEFFERSON PARISH	Company Name: JEFFERSON PARISH
Street Address: PURCHASING DEPARTMENT	Street Address: PURCHASING DEPARTMENT
Address 2: P.O. BOX 9	Address 2: P.O. BOX 9
City, ST ZIP Code: GRETN, LA 70054-0009	City, ST ZIP Code: GRETN, LA 70054-0009
Tel: 504-365-2678	Tel: 504-365-2678
Cell:	Cell:
Fax: 504-365-2693	Fax: 504-365-2693
email: purchasing@jeffparish.net	email: purchasing@jeffparish.net

Product	Model #	Description	Base Price
	112-D12	Solar School Zone Beacon. Double 12" LED's yellow/amber, polycarbonate heads, 40 watt solar panel with mounting bracket, 365 day programmable timer module, aluminum lockable battery box, flasher, regulator, wiring, partially assembled and mounting hardware to mount to existing post. No battery included.	\$2,750.44

Packaging K&K Delivers Split the heads vertically top and bottom of sign location ---

Options and Accessories - PER UNIT				
QTY per Unit	Item #	Description	Price Each	Price per Unit
1	CTR-UBB	Mounting hardware for box (U-bolt). Two (2) required.		INCLUDED
1	CTR-UBH	Mounting hardware for head (U-bolt).		INCLUDED
0.5	CCTR-15	COMPLETE 15' SPUN POLE KIT TO INCLUDE ALL MOUNTING HARDWARE. 15' crash tested 4" round aluminum spun pole with pedestal base, top cap, anchor bolts, signal head mount arm and control box mount.		INCLUDED
0.5	DB-4-60	Drive base (foundation anchor) for pedestal base, 4" fins x 60" ht. (8" diameter), top plate with mounting bolts.		INCLUDED
1	BAT-12-100A	100 amp, 12V, AGM battery; Dimensions: 12.16"x6.75"x8.70".		INCLUDED

Special Notes

All signal head housings, visors and fittings shall be DARK GREEN. Cap visors required on all signal housings.

Terms of Purchase		Per System Total:	
FOB:	Tupelo, MS 38801	Total QTY of Systems: 2	\$5,500.88
Delivery (weeks):	4-6 Weeks	Total Shipping Costs:	INCLUDED
Warranty:	1 year limited warranty, Factory Depot	Taxes:	
		GRAND TOTAL:	\$5,500.88

Sales Person Signature: Timothy Keith Work Order# ENTER WO #
Sales Manager Signature: Timothy Keith Client PO#

Please note: The above specifications and quotation does not include shipping, permits, or taxes unless otherwise stated. The freight charge is an approximate estimate for your reference; the actual charge may vary. There will be an additional 3% charge on all credit card orders unless otherwise stated. *Lead-time committed is based on the date Purchase Order is received by K&K Systems and deposit made and/or credit approved. Lead time is not based on the date quoted.

Solar Flashers

School Zone

Model 112-D12

Shown with optional signage and Round Aluminum Crash Tested Pole

No matter how large or small your school system is, K&K SYSTEMS has a full line of solar school flashers to keep children and adults safe. Solar School Zone flasher beacons are used to help warn vehicular traffic they are entering an area requiring extra caution.



The Solar School Zone only utilizes the most up to date solar and electronics to maintain power levels thru rain, shine, sleet, or snow



LED technology increases life expectancy of the beacon and also burns less energy than conventional bulbs



Meets MUTCD (Manual on Uniform Traffic Control Devices)



The 365 day Programmable timer module allows you to program in advance what days the beacons will be activated, not be activated, and time of day they are activated.



The system fits into Safe Routes to School (SRTS) infrastructure funding models



NCHRP 350 Crash Tested and Accepted (National Cooperative Highway Research Program)



Meets ITE Standards (Institute of Transportation Engineers)

Programmable Timer Module



- 365 Day Timer
- Program to activate and deactivate your beacons multiple times a day without having to physically go out to flashing beacon
- Program exception periods where the system will not activate for certain days such as "holidays"
- Nonvolatile Memory
- Clock Capacitor Backup
- Automatic Leap Year Compensation
- Built in daylight savings time.

Model 112-D12 General Specifications

The Model **112-D12** solar school flasher helps to keep children and adults safe on roadways by cautioning oncoming traffic to be vigilant of pedestrians when flashing. Solar School Zone flasher beacons are used to help warn vehicular traffic of reduced speed limits and increased pedestrian traffic.

Signal Head Housing

Size: 12"

Color: Yellow or Black

Visor: 360 degree Cap

Number of Beacons: 2

Material: Plastic injected polystyrene



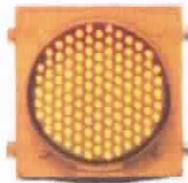
LED Signal

Color: Amber

Power Consumption (watts): 5

Seal: Weather resistant

LED Bulbs: 2



Solar Panel

Solar: (1) 40 watt solar panel



Regulator

Rated Solar Input: 10 A

Rated Load Current: 10 A

Disconnects: Low and high voltage disconnect

Onboard diagnostics:

Solar, battery, and load



Control Cabinet/Battery

(Traditional Models)

Construction: .080 aluminum

Seal: Weather resistant

Access: Hinged on side

Lockable: Twist lock on



Programmable Timer Module

(Traditional Models)

Programmable Days: 365

Program Steps: 500

Exceptions: 63

Programs: 32

Memory: Nonvolatile

LCD: 2 Line x 16 Character Backlit

Automatic: Leap Year & DST



Solid State Flasher

Flash rate: 60 F.P.M.

Construction: Epoxy encapsulated

Terminals: (2) input (4) Output



Options

Round Aluminum pole Kit 11'-20'

Batteries AGM or Wet Cell

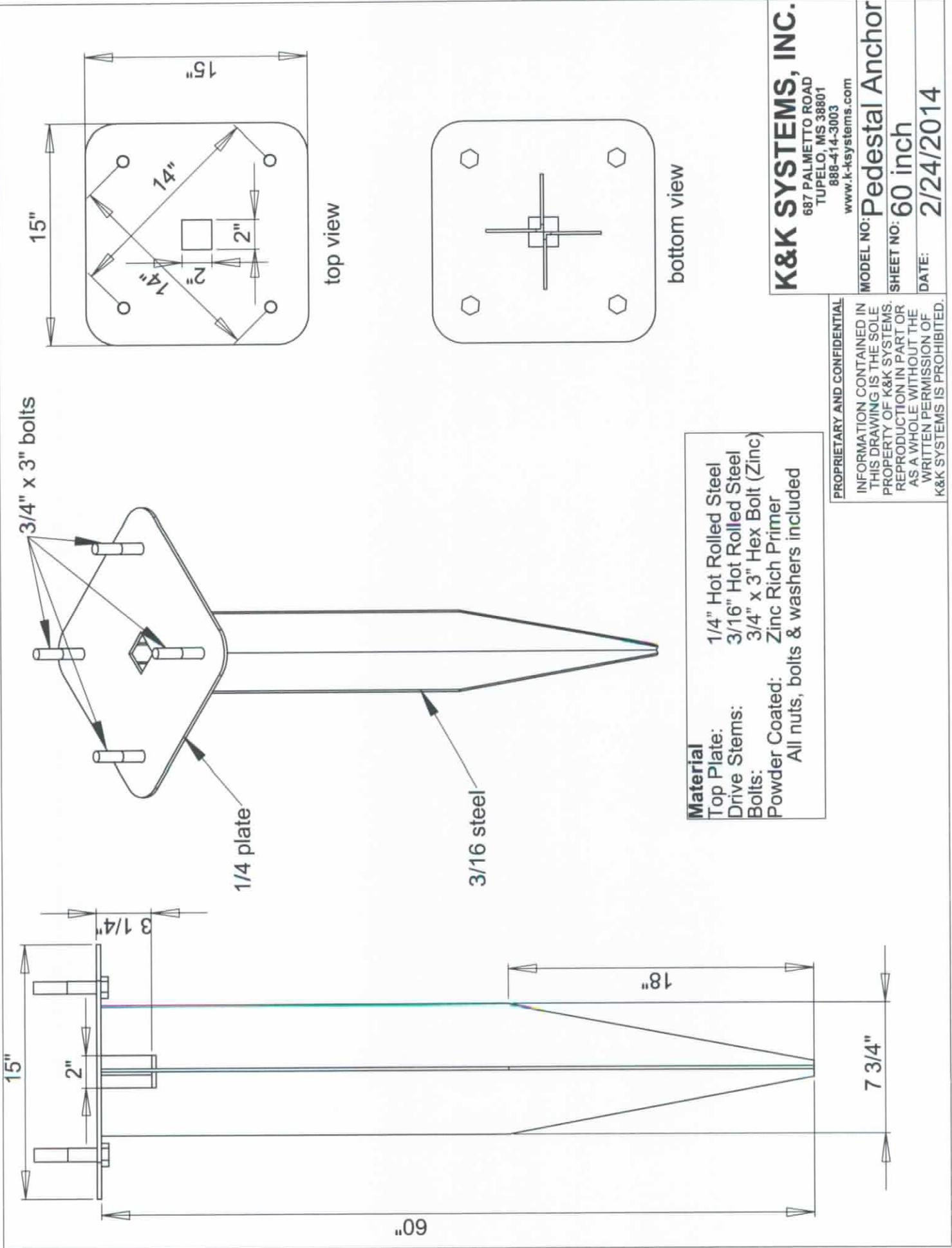
Signage to fit your needs

Mounting Hardware to mount to existing post

Police Lock for control cabinet

3 Point Latch System for control cabinet

Radar Speed Display 10"-26"



Non-Public Works Bid

AFFIDAVIT

STATE OF MISSISSIPPI

PARISH/COUNTY OF LEE

BEFORE ME, the undersigned authority, personally came and appeared: _____

TROY G. KEITH, (Affiant) who after being by me duly sworn, deposed and said that he/she is the fully authorized PRESIDENT of K&K SYSTEMS, INC. (Entity), the party who submitted a bid in response to Bid Number 50-00118754, to the Parish of Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Troy Keith
Signature of Affiant

TROY KEITH
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 21 DAY OF January, 2017.

KW
Notary Public

Krissy Westmoreland
Printed Name of Notary

76071
Notary/Bar Roll Number

My commission expires

