



**Orange County Purchasing Department**  
714 Polk Street Orange, TX 77630  
Phone 409-882-7903 Fax 409-670-4170

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NOTICE TO BIDDERS

Orange County Commissioners' Court will accept sealed competitive bids at the Orange County Purchasing Agent's Office located at 714 Polk Street, Orange, Texas, on the following requirements:

**BID NAME:** **SILENT MESSENGER SOLAR POWERED PORTABLE  
CHANGEABLE MESSAGE BOARDS**  
**BID NO:** **IFB-22208**  
**DUE DATE/TIME:** **2:00 PM, CST, Thursday, May 18, 2023**  
**MAIL OR DELIVER TO:** **Orange County Purchasing Department  
714 Polk Street  
Orange, TX 77630**

Bid instructions and specifications are available at [www.co.orange.tx.us](http://www.co.orange.tx.us) or the office of the Orange County Purchasing Agent located at 714 Polk Street, Orange, Texas, 77630. Phone 409-882-7903.

The successful bidders will offer quality products and/or services meeting or exceeding Orange County's specifications on an as needed basis. Payment for these products and/or services will be funded from the American Rescue Plan Act Funding.

Orange County reserves the right to award this bid by unit, or by lump sum to the most qualified responsible bidder and to increase or decrease quantities as it deems necessary. Orange County also reserves the right to waive any or all formalities and/or technicalities or to reject any or all bids if in the best interest of the County.

Orange County hereby notifies all bidders that it will affirmatively assure that minority enterprises are afforded full opportunity to submit Bids in response to this bid invitation, and that they will not be discriminated against on the grounds of race, color or national origin in consideration for an award.

Michelle Carroll  
Purchasing Agent  
County of Orange Texas

**IFB-22208**  
**SILENT MESSENGER SOLAR POWERED PORTABLE**  
**CHANGEABLE MESSAGE BOARDS**

**Table of Contents**

**Description**

**Table of Contents .....  
Instructions to Bidders .....  
General Conditions of Bid and Terms of Contract.....  
Offer Form.....  
Acceptance of Offer Form.....  
Vendor References .....  
Form 1295.....  
Conflict of Interest Questionnaire Form CIQ.....  
Local Government Officer Conflicts Disclosure Statement Form CIS.....  
Contractor Acknowledgement of Stormwater Management Program.....  
Residence Certification/Tax Form .....  
Notice of Intent .....  
HUB Subcontracting Participation Declaration Form .....  
House Bill 89 Verification.....  
Senate Bill 252 Certification.....  
Requirements and Specifications.....  
Bid Form Pricing Sheet .....**

## **Instructions to Bidders**

### **Bid Submission**

Bids must be submitted with an original copy to the following address:

**BID NAME:** SILENT MESSENGER SOLAR POWERED PORTABLE  
CHANGEABLE MESSAGE BOARDS

**BID NO:** IFB-22208

**DUE DATE/TIME:** 2:00 PM, CST, May 18, 2023

**MAIL OR DELIVER TO:** Orange County Purchasing Department  
714 Polk Street  
Orange, TX 77630

Bids will be accepted at the above address until the time and date specified herein, and immediately after will be publicly opened. All Bids shall be sealed in an envelope and **plainly marked with the Bid Name, Bid Number, Due Date, and the Bidder's Name and Address. Late Bids will not be accepted and will be returned unopened to the bidder.** All Bids submitted in response to this invitation shall become the property of Orange County and will be a matter of public record available for review.

**Any prospective respondent desiring any explanation or interpretation of the bid/proposal must make a written request which must be received by Orange County Purchasing at least five (5) business days prior to the scheduled time for the bid/proposal opening. The request must be addressed to Michelle Carroll, Orange County Purchasing Agent, MCARROLL@co.orange.tx.us or 714 Polk Street, Orange, Texas, 77630. Request received after the deadline will be not be responded to due to the time constraints.**

**IT IS THE BIDDER/PROPOSER RESPONSIBILITY TO VERIFY THE ISSUANCE OF ADDENDA IN REGARD TO THIS BID/RFP.**

**ADDENDA SHALL BE POSTED ON THE ORANGE COUNTY TEXAS WEBSITE [www.co.orange.tx.us](http://www.co.orange.tx.us). BIDDER/PROPOSER MUST MONITOR THE ORANGE COUNTY WEBSITE FOR ANY ADDENDA OR ADDITIONAL INSTRUCTIONS.**

**ORANGE COUNTY SHALL NOT BE RESPONSIBLE FOR FAILED INTERNET CONNECTIONS OR POWER INTERRUPTIONS.**

**BIDDER IS RESPONSIBLE FOR RETURNING ALL REQUIRED PAGES. ADDITIONALLY, FAILURE TO RETURN ALL REQUIRED FORMS COULD RESULT IN A BID BEING DECLARED AS NON-RESPONSIVE.**

## **General Terms and Conditions of Bid and Term Contract**

### **Preparation of Bids**

The bid shall be legibly printed in ink or typed. If a unit price or extension already entered is to be altered, it shall be crossed out and initialed in ink by the bidder. The bid shall be legally signed and shall include the complete address of the bidder. Orange County is exempt from Federal and State Sales Taxes, and such taxes shall not be included in bid prices.

### **Rejection or Withdrawal**

Submission of additional terms, conditions or agreements with the bid document are grounds for deeming a bid non-responsive and may result in bid rejection. Orange County reserves the right to reject any and all bids and to waive any informalities and minor irregularities or defects in bids. Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the time set for receipt of bids. Bids are an irrevocable offer and may not be withdrawn within 90 days after opening date.

### **Award**

The bid will be awarded to the responsible, responsive bidder(s) whose bid, conforming to the solicitation, will be most advantageous to Orange County – price and other factors considered. Unless otherwise specified in this IFB, Orange County reserves the right to accept a bid in whole or in part, and to award by item or by group, whichever is deemed to be in the best interest of Orange County. Any bidder who is in default to Orange County at the time of submittal of the bid shall have that bid rejected. Orange County reserves the right to clarify any contractual terms with the concurrence of the Contractor; however, any substantial nonconformity in the offer, as determined by Orange County, shall be deemed non-responsive and the offer rejected. In evaluating bids, Orange County shall consider the qualifications of the bidders, and, where applicable, operating costs, delivery time, maintenance requirements, performance data, guarantees of materials and equipment. In addition, Orange County may conduct such investigation as it deems necessary to assist in the evaluation of a bid and to establish the responsibility, qualifications, and financial ability of the bidders to fulfill the contract. Orange County reserves the right to award this contract on the basis of lowest and best bid in accordance with the laws of the State of Texas, to waive any formality or irregularity, to make awards to more than one offeror, and/or to reject any or all bids. In the event the lowest dollar offeror meeting specifications is not awarded a contract, Offeror may appear before the Commissioners' Court and present evidence concerning Offeror responsibility after officially notifying the Office of the Purchasing Agent of Offeror's intent to appear. Orange County shall not be responsible for any effort or cost expended in the preparation of a response to this IFB. There will not be a debriefing meeting after award of this contract.

### **Contract**

A response to an IFB is an offer to contract with Orange County based upon the terms, conditions, and specifications contained in the IFB. Bids do not become contracts unless and until they are executed by Orange County, eliminating a formal signing of a separate contract. For that reason, all of the terms and conditions of the contract are contained in the IFB, unless any of the terms and conditions is modified by an IFB Amendment, a Contract Amendment, or by mutually agreed terms and conditions in the contract documents.

### **Fiscal Funding**

A multi-year lease or lease/purchase arrangement (if requested by the Special Requirements/Instructions), or any contract continuing as a result of an extension option, must include fiscal funding out. If, for any reason, funds are not appropriated to continue the lease or contract, said lease or contract shall become null and void. After expiration of the lease, leased equipment shall be removed by the offeror from the using department without penalty of any kind or form to Orange County. All charges and physical activity related to delivery, installation, removal and redelivery shall be the responsibility of the offeror. Orange County is operated and funded on an October 1 to September 30 basis; accordingly, the County reserves the right to terminate, without liability to the County, any contract for which funding is not available. Orange County is operated and funded on an October 1 to September 30 basis; accordingly, the County reserves the right to terminate, without liability to the County, any contract for which funding is not available.

### **Addenda and Changes to Bid Documents**

Each addendum or change issued in relation to this IFB document will be on file in the office of the Purchasing Agent, and will be posted on the Orange County Purchasing web site [www.orange.tx.us](http://www.orange.tx.us) as soon as possible. It shall be the bidder's responsibility to make inquiry as to change or addenda issued, and to monitor the web site. All such changes or addenda shall become part of the contract and all bidders shall be bound by such addenda. Vendors are responsible for monitoring the web site in order to remain informed on addenda. Vendors shall acknowledge receipt of all addenda with submission of Bid.

### **Specifications**

Unless otherwise stated by the bidder, the bid will be considered as being in accordance with Orange County's applicable standard specifications, and any special specifications outlined in the bid document. References to a particular trade name, manufacturer's catalogue, or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of Orange County, and should not be construed as excluding bids on other types of materials, equipment, and supplies. However, the bidder, if awarded a contract, will be required to furnish the particular item referred to in the specifications or description unless departure or substitution is clearly noted and described in the bid. Orange County reserves the right to determine if equipment/ product being bid are an acceptable alternate. All goods shall be new and unused unless otherwise so stated in the bid. Any unsolicited alternate bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of the bid, may be considered non-responsive.

### **Interpretation of Bid and/or Contract Documents**

All inquiries shall be made within a reasonable time prior to the date and time fixed for the bid opening, in order that a written response in the form of an addendum, if required, can be processed before the Bids are opened. Inquiries received that are not made in a timely fashion may or may not be considered.

### **Currency**

Prices calculated by the bidder shall be stated in U.S. dollars.

### **Pricing**

Prices shall be stated in units of quantity specified in the bid documents. In case of discrepancy in computing the amount of the bid, the unit price shall govern.

### **Notice to Proceed/Purchase Order**

the successful bidder may not commence work under this contract until authorized to do so by the Purchasing Agent.

### **Certification**

By signing the offer section of the Offer to Contract page, bidder certifies:

The submission of the offer did not involve collusion or other anti-competitive practices. The bidder has not given, offered to give, nor intends to give at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to any public servant in connection with the submitted offer. The bidder hereby certifies that the individual signing the bid is an authorized agent for the bidder and has the authority to bind the bidder to the contract.

### **Minority-Women Business Enterprise Participation**

It is the desire of Orange County to increase the participation of Minority (MBE) and women-owned (WBE) businesses in its contracting and procurement programs. While the County does not have any preference or set aside programs in place, it is committed to a policy of equitable participation for these firms.

### **Grant Funding**

Any contract entered into by the County that is to be paid from grant funds shall be limited to payment from the grant funding and the vendor/provider understands that the County has not set aside any County funds for the payment of obligations under a grant contract. If grant funding should become unavailable at any time for the continuation of services paid for by the grant, and further funding cannot be obtained for the contract, then the sole recourse of the provider shall be to terminate any further services under the contract and the contract shall be null and void.

### **HIPPA Compliance**

Offeror agrees to comply with the Standards for Privacy of Individually Identifiable Health Information of the Health Insurance Portability and Accountability Act of 1996, PL 104-191 45 CFR Parts 160-164, as amended, and the Texas Medical Records Privacy Act, Texas Health and Safety Code Chapter 181, as amended, collectively referred to as "HIPPA" to the extent that the Offeror uses, disclosed or has access to protected health information as defined by HIPPA. Offeror may be required to enter a Business Associate Agreement pursuant to HIPPA.

### **Hold Harmless Agreement**

Contractor, the successful offeror, shall indemnify and hold Orange County harmless from all claims for personal injury, death and/or property damage resulting directly or indirectly from contractor's performance. Contractor shall procure and maintain, with respect to the subject matter of this bid, appropriate insurance coverage including, as a minimum, public liability and property damage with adequate limits to cover contractor's liability as may arise directly or indirectly from work performed under terms of this bid. Certification of such coverage must be provided to Orange County Purchasing before any work begins.

### **Waiver of Subrogation**

Offeror and offeror's insurance carrier waive any and all rights whatsoever with regard to subrogation against Orange County as an indirect party to any suit arising out of personal or property damages resulting from offeror's performance under this agreement.

### **Severability**

If any section, subsection, paragraph, sentence, clause, phrase or word of these requirements or the specifications shall be held invalid, such holding shall not affect the remaining portions of these requirements and the specifications and it is hereby declared that such remaining portions would have been included in these requirements and the specifications as though the invalid portion had been omitted.

### **Recycled Materials**

Orange County encourages the use of products made of recycled materials and shall give preference in purchasing to products made of recycled materials if the products meet applicable specifications as to quantity and quality. Orange County will be the sole judge in determining product preference application.

### **Scanned or Re-Typed Response**

If in its Bid response, offeror either electronically scans, re-types, or in some way reproduces the County's published Bid package, then in event of any conflict between the terms and provisions of the County's published Bid specifications, or any portion thereof, and the terms and provisions of the Bid response made by offeror, the County's Bid specifications *as published* shall control. Furthermore, if an alteration of any kind to the County's published Bid specifications is only discovered after the contract is executed and is or is not being performed; the contract is subject to immediate cancellation.

### **Electronic Data**

If offeror obtained the bid specifications on a disk in or web site order to prepare a response, the bid must be submitted in hard copy according to the instructions contained in this bid package. If, in its bid response, offeror makes any changes whatsoever to the County's published bid specifications, the County's Bid specifications as published shall control. It is preferred that you enter your data on the disk, do a print and then return disk and print out. You must return a hard copy bid and return the disk.

### **E-Mail Addresses Consent**

Vendor affirmatively consents to the disclosure of its e-mail addresses that are provided to Orange County. This consent is intended to comply with the requirements of the Texas Public Information Act, Tex. Gov't Code Amn. 522.137 as amended, and shall survive termination of this agreement. This consent shall apply to e-mail addresses provided by Vendor, its employees, officers, and agents acting on Vendor's behalf and shall apply to any e-mail address provided in any form for any reason whether related to this Bid/Bid or otherwise.

### **Potential Conflicts of Interest**

An outside consultant or contractor is prohibited from submitting a bid for services on an Orange County project of which the consultant or contractor was a designer or other previous contributor, or was an affiliate, subsidiary, joint venture or was in any other manner associated by ownership to any party that was a designer or other previous contributor. If such a consultant or contractor submits a prohibited bid, that bid shall be disqualified on the basis of conflict of interest, no matter when the conflict is discovered by Orange County. A conflict of interest questionnaire is included to be filled out and returned.

### **Governing Law**

This invitation to bid is governed by the competitive bid requirements of the County Purchasing Act, Texas Local Government Code, §262.021 *et seq.*, as amended. Offerors shall comply with all applicable federal, state and local laws and regulations. Offeror is further advised that these requirements shall be fully

governed by the laws of the State of Texas and that Orange County may request and rely on advice, decisions and opinions of the Attorney General of Texas and the County Attorney concerning any portion of these requirements.

### **Access to Records**

In special circumstances, vendor may be required to allow duly authorized representatives of Orange County or the state and federal government access to contacts, books, documents, and records necessary to verify the nature and extent of the cost of services provided by vendor.

### **Governing Forms**

In the event of any conflict between the terms and provisions of these requirements and the specifications, the specifications shall govern. In the event of any conflict of interpretation of any part of this overall document, Orange County's interpretation shall govern.

### **Supplemental Materials**

Offerors are responsible for including all pertinent product data in the returned bid package. Literature, brochures, data sheets, specification information, completed forms requested as part of the bid package and any other facts which may affect the evaluation and subsequent contract award should be included. Materials such as legal documents and contractual agreements, which the offeror wishes to include as a condition of the bid, must also be in the bid package. Failure to include all necessary and proper supplemental materials may be cause to reject the entire bid.

### **Material/Color**

Determination Selection of colors of materials is a right reserved by the using department unless otherwise specified in the bid. Unspecified colors shall be quoted as standard colors, NOT colors which require upcharges or special handling. Unspecified fabrics or vinyls should be construed as medium grade. If offeror fails to get color/material approvals prior to delivery of merchandise, the using department may refuse to accept the items and demand correct shipment without penalty, subject to other legal remedies.

### **Inspections**

Orange County reserves the right to inspect any item(s) or service location for compliance with specifications and requirements and needs of the using department. If an offeror cannot furnish a sample of a bid item, where applicable, for review, or fails to satisfactorily show an ability to perform, the County can reject the bid as inadequate.

### **Testing**

Orange County reserves the right to test equipment, supplies, material and goods bid for quality, compliance with specifications and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the bid is subject to rejection.

### **Disqualification of Offeror**

Upon signing this bid document, an offeror offering to sell supplies, materials, services, or equipment to Orange County certifies that the offeror has not violated the antitrust laws of this state codified in Texas Business and Commerce Code §15.01, et seq., as amended, or the federal antitrust laws, and has not communicated directly or indirectly the bid made to any competitor or any other person engaged in such line of business. Any or all bids may be rejected if the County believes that collusion exists among the offerors. Bids in which the prices are obviously unbalanced may be rejected. If multiple bids are submitted by an offeror and after the bids are opened, one of the bids is withdrawn, the result will be that all of the bids submitted by that offeror will be withdrawn; however, nothing herein prohibits a vendor from submitting multiple bids for different products or services.



**Assignment**

The successful offeror may not assign, sell or otherwise transfer this contract without written permission of Orange County Commissioners Court.

**Contract Obligation**

Court must award the contract and the County Judge or other person authorized by the Orange County Court must sign the contract before it becomes binding on Orange County or the offerors. Binding agreements shall remain in effect until all products and/or services covered by this purchase have been satisfactorily delivered and accepted.

**Digital Format**

If offeror obtained the bid specifications in digital format in order to prepare a response, the bid must be submitted in hard copy, according to the instructions contained in this Bid package. If, in its response, offeror makes any changes whatsoever to the County's published Bid specifications, the County's bid specifications **as published** shall control. Furthermore, if an alteration of any kind to the County's published bid specifications is only discovered after the contract is executed and is or is not being performed; the contract is subject to immediate cancellation.

**Title Transfer**

Title and Risk of Loss of goods shall not pass to Orange County until Orange County actually receives and takes possession of the goods at the point or points of delivery.

**Estimated Quantities**

Orange County estimates are based on quantities used the previous year. These projected estimates can be changed by various unforeseen factors, such as the weather, and changes in budgetary conditions. The estimated quantities also do not include orders placed by participating entities. Therefore, these contracts are based on actual annual needs on an as needed basis. There is no intent to buy indicated, or intended, and the County will only pay for material it has properly ordered and received by Orange County.

**Participating Local Governments**

A rider is attached to this bid to indicate the willingness of the bidder to supply materials to participating local governments at the same terms and conditions as is offered to Orange County within this bid, if the bidder is awarded the bid. Participation by the other local governments is solely at the option of those governments, and any contract, resulting is strictly between the individual agencies, and the bidder.

**Method of Payment**

Invoices shall be sent directly to the:

**COUNTY AUDITOR'S OFFICE  
123 S. 6<sup>th</sup> Street  
ORANGE, TX 77630**

Payments are processed after the Auditor's Office has been notified that the items have been received in good conditions and no unauthorized substitutions have been made. Invoices must detail the items delivered and must reference the Orange County Purchase Order Number for speed in processing. The County will only receive delivery for goods as required, and the County shall only be billed for goods ordered and delivered.

**Equivalents of Equal Quality are Acceptable**

Whenever an article or material is defined by describing a proprietary product, or by using the name of a manufacturer, the term "or equivalent" if not inserted, shall be implied. The specified article or material shall be understood as descriptive, not restrictive.

### **Substitutions after Award of the Contract**

After the award of the contract, no substitutions will be made without prior approval from the County Purchasing Agent. Should any items on the contract be discontinued or otherwise become unattainable during the life of the contract, test will be made of substitutes at the discretion of the County Purchasing Agent.

### **Inclement Weather**

In case of inclement weather or any other unforeseen event causing Orange County to close for business on the date of a bid/proposal submission deadline, the bid/proposal closing will automatically be postponed until the next business day Orange County is open.

### **Emergency/Declared Disaster Requirements**

In the event of an emergency or if Orange County is declared a disaster area, by the County, State, or Federal Government, the Acceptance of Offer may be subjected to unusual usage. Contractor shall service the County during such an emergency or declared disaster under the same terms and conditions that apply during non-emergency/disaster conditions. The pricing as specified in this Acceptance of Offer shall apply to serving the County's needs regardless of the circumstances. If Contractor is unable to supply the services under the terms of the Acceptance of Offer, the Contractor shall provide proof of such disruption and a copy of the invoice from Contractor's supplier(s). Additional profit margin as a result of supplying services during an emergency or declared disaster shall not be permitted. In the event that additional equipment, supplies, and materials are required during the declared disaster, additional shipping, handing and drayage fees may apply, if approved by Orange County.

## **General Conditions of Bid and Term Contract**

### **1. Bid**

**1.1 Bids.** All Bids must be submitted on the Bid form furnished in this package.

**1.2 Authorized Signatures.** The Bid must be executed personally by the vendor, duly authorized partner of the partnership, or duly authorized officer of the corporation. If executed by an agent, a power of attorney or other evidence of authority to act on behalf of the vendor shall accompany the Bid to become a valid Bid.

**1.3 Late Bids.** Bids must be in the office of the Orange County Purchasing Agent before or at the specified time and date Bids are due. Bids received after the submission deadline shall be rejected as non-responsive and returned unopened.

**1.4 Withdrawal of Bids Prior to Bid Opening.** A Bid may be withdrawn before the opening date by submitting a written request to the Purchasing Agent. If time allows, the bidder may submit a new Bid. Bidder assumes full responsibility for submitting a new Bid before or at the specified time and date Bids are due. Orange County reserves the right to withdraw a request for Bids before the opening date.

**1.5 Withdrawal of Bids after Bid Opening.** Bidder agrees that its offer may not be withdrawn or cancelled by the vendor for a period of ninety (90) days following the date and time designated for the receipt of Bids unless otherwise stated in the Bid and/or specifications.

**1.6 Bid Amounts.** Bids shall show net prices, extensions where applicable and net total. In case of conflict between unit price and extension, the unit price will govern. Any ambiguity in the Bid as a result of omission, error, unintelligible or illegible wording shall be interpreted in the favor of Orange County.

**1.7 Exceptions and/or Substitutions.** All Bids meeting the intent of the specifications and plans will be considered for award. Vendors taking exception to the specifications and plans, or offering substitutions, shall state these exceptions in the section provided. If Bid is made on an article other than the one specified, which a bidder considers comparable, the name and grade of said article must be specified in the Bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. The absence of stated exceptions and/or substitutions shall indicate that the vendor has not taken any exceptions to the specifications and shall be responsible to perform in strict accordance with the specifications. As a matter of practice, Orange County rejects exception(s) and /or substitutions as non-responsive but reserves the right to accept any and/or all of the exception(s) and/or substitution(s) deemed to be in the best interest of Orange County.

**1.8 Alternates.** The Invitation for Bid and/or specifications may expressly allow bidder to submit an alternate Bid. Presence of such an offer shall not be considered an indication of non-responsiveness.

**1.9 Descriptions.** Unless otherwise specified, any reference to make, manufacturer and/or model used in the Bid specifications is merely descriptive and not restrictive, and is used only to indicate type, style, or quality of material desired.

**1.10 Bid Alterations.** Bids cannot be altered or amended after submission deadline. Any interlineations, alterations, or erasures made before opening time must be initialed by the signer of the Bid, guaranteeing authenticity.

**1.11 Tax Exempt Status.** Orange County is exempt from federal excise tax and state sales tax. Unless the Bid form or specifications specifically indicate otherwise, the Bid price must be net, exclusive of above-mentioned taxes and will be so construed. Therefore, the Bid price shall not include taxes. Orange County claims exemption from all sales and/or use taxes under Texas Tax Code §151.309, as amended. Texas Limited Sales Tax Exemption Certificates will be furnished upon written request to the Orange County Auditor

**1.12 Quantities.** Quantities indicated are estimated quantities only and are not a commitment to buy. Approximate usage does not constitute an order, but only implies the probable quantity that will be used. Commodities will be ordered on an as-needed basis. Bidder is responsible for accurate final counts.

**1.13 Silence of Specifications for Complete Units.** All materials, equipment and/or parts that will become a portion of the completed work, including items not specifically stated herein but, necessary to render the service(s) complete and operational per the specifications, are to be included in the Bid price. Vendor may be required to furnish evidence that the service, as Bid, will meet or exceed these requirements.

**1.14 General Bid Bond/Surety Requirements.** Failure to furnish Bid bond or bonds will result in Bid being declared non-responsive. Non-responsive Bids will not be considered for award.

**1.15 General Insurance Requirements.** Failure to furnish Affidavit of Insurance, if required in these specifications, will result in Bid being declared non-responsive. Non-responsive Bids will not be considered for award.

**1.16 Responsiveness.** A responsive Bid shall substantially conform to the requirements of this Invitation to Bid and/or specifications contained herein. Bidders who substitute any other terms, conditions, specifications and/or requirements or who qualify their Bids in such a manner as to nullify or limit their liability to the contracting entity shall have their Bids deemed non-responsive. Also, Bids containing any clause that would limit contracting authority shall be considered non-responsive. Examples of nonresponsive Bids include but shall not be limited to: a) Bids that fail to conform to required delivery schedules as set forth in the Bid request; b) Bids with prices qualified in such a manner that the Bid price cannot be determined, such as with vague wording that may include "price in effect at the time of delivery," and c) Bids made contingent upon award of other Bids currently under consideration.

**1.17 Responsible Standing of Bidder.** To be considered for award, bidder must at least: have the ability to obtain adequate financial resources, be able to comply with required or proposed delivery/ completion schedule, have a satisfactory record of performance; have a satisfactory record of integrity and ethics, and be otherwise qualified and eligible to receive award.

**1.18 Proprietary Data.** Bidder may, by written request, indicate as confidential any portion(s) of a Bid that contain proprietary information, including manufacturing and/or design processes exclusive to the vendor. Orange County will protect from public disclosure such portions of a Bid, unless directed otherwise by legal authority, including existing Open Records Acts.

**1.19 Public Bid Opening.** Bidders are invited to be present at the opening of Bids. After the official opening of Bids, a period of not less than one week is necessary to evaluate Bids. The amount of time necessary for Bid evaluation may vary and is determined solely by the County. Following the Bid evaluation, all Bids submitted are available for public review.

## **2. Performance**

**2.1 Design, Strength, and Quality.** Design, strength, and quality of materials and workmanship must conform to the highest standards of manufacturing and engineering practices. The apparent silence of specifications and/or plans as to any detailed description concerning any point shall be regarded as meaning that only the best

commercial practices are to prevail. All interpretations of these specifications and/or plans shall be made on the basis of this statement.

**2.2 Age and Manufacture.** All tangible goods being proposed must be new and unused, unless otherwise specified, in first-class condition, of current manufacture, and furnished ready to use. All items not specifically mentioned that are required for a complete unit shall be furnished.

**2.3 Delivery Location.** All deliveries will be made to the address(es) specified on the purchase order during normal working hours of 8:00 a.m. to 11:45 a.m. and 1:00 p.m. to 4:45 p.m., Monday through Friday, unless otherwise authorized by the Purchasing Agent or designee.

**2.4 Delivery Schedule.** Delivery time may be an important consideration in the evaluation of best value. The maximum number of days necessary for delivery ARO shall be stated in the space, if provided, on the Bid form.

**2.5 Delivery Charges.** All delivery and freight charges, F.O.B. destination shown on Orange County purchase order, as necessary to perform contract are to be included in the Bid price. Bids shall include all charges for delivery, packing, crating, containers, etc. Bids will be considered as being based on F.O.B. destination/delivered freight included. Unless otherwise stated by the bidder in writing on the Bid Form.

**2.6 Installation Charges.** All charges for assembly, installation and set-up shall be included in the Bid price. Unless otherwise stated, assembly, installation and set-up will be required.

**2.7 Operating Instructions and Training.** Clear and concise operating instructions and descriptive literature will be provided in English, if requested. On-site detailed training in the safe and efficient use and general maintenance of item(s) purchased shall be provided as needed at the request of Orange County. Instructions and training shall be at no additional cost to the County.

**2.8 Storage.** Bidder agrees to provide storage of custom ordered materials, if requested, for up to thirty (30) calendar days.

**2.9 Compliance with Federal, State, County, and Local Laws.** Bids must comply with all federal, state, county and local laws, including, but not limited to, all applicable standard safety, emission, and noise control requirements. Any vehicles or equipment shall contain all standard safety, emission, and noise control requirements required for the types and sizes of equipment at the time of their manufacture. The contractor agrees, during the performance of work or service, to comply with all applicable codes and ordinances of Orange County or the State of Texas as they may apply, as these laws may now read, or as they may hereafter be changed or amended.

**2.10 OSHA.** The bidder will certify all equipment complies with all regulations and conditions stipulated under the Williams-Steiger Occupational Safety and Health Act of 1971, as amended. The successful bidder will further certify that all items furnished under this project will conform and comply with federal and State of Texas OSHA standards. The successful bidder will agree to indemnify and hold harmless Orange County for any and all damages that may be assessed against the County.

**2.11 Patents and Copyrights.** The successful vendor agrees to protect the County from claims involving infringements of patents and/or copyrights.

**2.12 Samples, Demonstrations and Testing.** At Orange County's request and direction, bidder shall provide product samples and/or testing of items Bid to ensure compliance with specifications. Samples, demonstrations and/or testing may be requested at any point prior to or following Bid award. Samples, demonstrations and/or testing may be requested upon delivery and/or any point during the term of resulting contract. All samples (including return thereof), demonstrations, and/or testing shall be at the expense of the bidder/vendor.

**2.13 Acceptability.** All articles enumerated in the Bid shall be subject to inspection by an officer designated for that purpose by Orange County. If found inferior to the quality called for, or not equal in value to the specifications, deficient in workmanship or otherwise, this fact shall be certified to the Purchasing Agent, who shall have the right to reject the whole or any part of the same. Items and/or work determined to be contrary to specifications must be replaced at the vendor's expense. Inferior items not retrieved by the vendor within thirty (30) calendar days or an otherwise agreed upon time, shall become the property of the County. If disposal of such items warrants an expense, an amount equal to the disposal expense will be deducted from amounts payable to the vendor.

**2.14 Maintenance.** Maintenance required for equipment Bid should be available in Orange County by a manufacturer authorized maintenance facility. Cost for this service shall be shown on the Bid sheet as requested or on a separate sheet, as required. If Orange County opts to include maintenance, it shall be so stated in the

purchase order and said cost will be included. Service will commence only upon expiration of applicable warranties and should be priced accordingly.

**2.15 Material Safety Data Sheets.** Under the “Hazardous Communications Act,” common known as the “Texas Right to Know Act,” a bidder must provide the user department, with each delivery, material safety data sheets which are applicable to hazardous substances defined in the Act. Failure of the bidder to furnish this documentation will be cause to reject any Bid applying thereto.

**2.16 Evaluation.** Evaluation shall be used as a determinant as to which services are the most efficient and/or most economical for the County. It shall be based on all factors having a bearing on price and performance of the items in the user environment. All Bids are subject to tabulation by the Orange County Purchasing Department and recommendation to Orange County Commissioners’ Court. Compliance with all Bid requirements and needs of the using department are considered in evaluating Bids. Pricing is not the only criteria for making a recommendation. The Orange County Purchasing Department reserves to right to contact any bidder, at any time, to clarify, verify or requirement information with regard to this Bid.

### **3. Purchase Orders and Payment**

**3.1 Purchase Orders.** A purchase order(s) shall be generated by the Orange County Purchasing Agent to the successful vendor. The purchase order number must appear on all itemized invoices and packing slips. The County will not be held responsible for any work orders placed and/or performed without a valid current purchase order number. Payment will be made for all services rendered and accepted by the contract administrator for which a valid invoice has been received.

**3.2 Invoices.** All invoices shall reference the Purchase Order number. Invoices shall reference a detailed description for each item invoiced. If an item purchased and itemized on the invoice does not correspond to an item in any of the categories awarded to the vendor, invoice shall reference the item as “N/C” to indicate that it is a non-contract item. This requirement is to assist the County in verifying contract pricing on all invoices. Payment will be made under terms of net thirty (30) days unless otherwise agreed upon by seller and the purchasing department.

**3.3 Prompt Payment.** In accordance with the State of Texas Prompt Payment Act, Article 601f V.T.C.S., payment will be made after receive and acceptance by the County of the merchandise ordered and of a valid invoice. Successful bidder(s) is required to pay subcontractors within ten (10) days after the successful bidder receives payment from the County.

### **4. Contract**

**4.1 Contract Definition.** The General Conditions of Bid and Terms of Contract, Specifications, Plans, Bid Forms, Addenda, and any other documents made a part of this Bid shall constitute the complete Bid. This Bid, when duly accepted by Orange County, shall constitute a contract equally binding between the successful bidder and Orange County.

**4.2 Contract Agreement.** Once a contract is awarded, the unit prices offered by the successful bidder shall remain firm for the term of the contract. Contract shall commence on date of award.

**4.3 Change Order.** No different or additional terms will become part of this contract with the exception of a change order. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing and at the discretion and approval of Orange County. No change order will be binding unless signed by an authorized representative of the County and the vendor.

**4.4 Price Re-determination.** A price re-determination may be requested at the time of annual renewal. All requests for price re-determination shall be in written form. Cause for such request, i.e., manufacturer’s direct cost, postage rates, Railroad Commission rates, Federal/State minimum wage law, Federal/State unemployment taxes, F.I.C.A, Insurance Coverage Rates, etc., shall be substantiated in writing by the source of the cost increase. The bidder’s past experience of honoring contracts at the Bid price will be an important consideration in the evaluation of the lowest and best Bid. Orange County reserves the right to accept or reject any/all requests for price re-determination as it deems to be in the best interest of the County.

**4.5 Termination.** Orange County reserves the right to terminate the contract for default if the bidder breached any of the terms therein, including warranties of bidder or if the bidder becomes insolvent or commits acts of

bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies which Orange County may have in law or equity. Default may be construed as, but not limited to, failure to deliver the proper goods and/or service within the proper amount of time, and/or to properly perform any and all services required to Orange County's satisfaction and/or to meet all other obligations and requirements. Contracts may be terminated without cause upon thirty (30) days' written notice to either party unless otherwise specified. Orange County reserves the right to award canceled contract to the next lowest bidder. Bidder, in submitting this Bid, agrees that Orange County shall not be liable to prosecution for damages in the event that the County declares the bidder in default.

**4.6 Conflict of Interest.** Employees of the County are not permitted to maintain financial interest in, or receive payment, directly or indirectly, borrow from, lend to, invest in, or engage in any substantial financial transaction with any individual, organization, supplier, or subcontractor who does business with the County without disclosure. When conflict of interest is discovered, it shall be grounds for termination of contract.

**4.7 Injuries or Damages Resulting from Negligence.** Successful vendor shall defend, indemnify and save harmless Orange County and all its officers, agents and employees from all suits, actions, or other claims of any character, name and description brought for or on account of any injuries or damages received or sustained by any person, persons, or property on account of any negligent act or fault of the successful vendor, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from Bid award. Successful vendor shall pay any judgment with cost which may be obtained against Orange County growing out of such injury or damages.

**4.8 Interest by Public Officials.** No public official shall have interest in this contract, in accordance with Texas Local Government Code.

**4.9 Warranty.** Offerors shall furnish all data pertinent to warranties or guarantees which may apply to items in the Bid. Offerors may not limit or exclude any implied warranties. Offeror warrants that product sold to the County shall conform to the standards established by the U.S. Department of Labor under the Occupational Safety and Health Act of 1970. In the event product does not conform to OSHA Standards, where applicable, Orange County may return the product for correction or replacement at the offeror's expense. If offeror fails to make the appropriate correction within a reasonable time, Orange County may correct at the offeror's expense.

**4.10 Uniform Commercial Code.** The successful vendor and Orange County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

**4.11 Venue.** This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in the County of Orange, Texas.

**4.12 Sale, Assignment, or Transfer of Contract.** The successful vendor shall not sell, assign, transfer or convey this contract, in whole or in part, without the prior written consent of Orange County.

**4.13 Silence of Specifications.** The apparent silence of these specifications as to any detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications shall be made on the basis of this state

### **Factors of Award**

The bid award shall be based on, but not necessarily limited to the following factors:

- a. Total bid price
- b. Unit Price
- c. Delivery Date, delivery terms and lead time
- d. Results of testing samples
- e. Special needs and requirements of Orange County
- f. Vendor's past performance record with Orange County
- g. Orange County's evaluation of vendor's ability to perform the requirements of the contract
- h. Estimated costs for supplies, maintenance, etc.
- i. Estimated surplus value

### **Federal Contract Required Clauses**

The activation of any Contract resulting from this Bid/RFP will be subject to FEMA reimbursement. Therefore, the following contract clauses will be required, where applicable, pursuant to 2 C.F.R. 200.326 and 2 C.F.R. Part 200, Appendix II, and shall, where applicable, form a part of any contract resulting from this Bid/RFP:

**A. DAMAGES, 2 CFR §200.326 Appendix II to Part 200 (A)**

- (1) All work to be performed under this AGREEMENT shall be timely commenced. A breach of this AGREEMENT by Contractor would cause substantial delay in the completion of the required services affecting the safety and welfare of the public.
- (2) In the event of Contractor's breach of its performance obligations, County shall have all rights and remedies against Contractor as provided by law.

**B. TERMINATION RIGHTS, 2 CFR §200.326 Appendix II to Part 200 (B)**

- (1) **Termination for Convenience:** Whenever the interests of the County so require, County may terminate the parties' Agreement, in whole or in part, for the convenience of the County. County shall give Contractor thirty (30) days prior written notice of termination specifying the portions of the Agreement to be terminated and when such termination will become effective. If only portions of the parties' agreement are terminated, Contractor has the right to withdraw from the parties' Agreement, without adverse action or claims. In the event of a termination for convenience by County, Contractor shall be entitled to payment for all work and services performed by it up to the effective date of such termination.
- (2) **Termination for Cause:** The County may, by written notice of default to Contractor, terminate the parties' Agreement, in whole or in part, if the Contractor fails to satisfactorily perform any provisions of the parties' agreement after a period of ten (10) following Contractor's receipt of a Notice of Deficiency provided by County.

**C. EQUAL EMPLOYMENT OPPORTUNITY CLAUSE (2 CFR §200.326 Appendix II to Part 200 (C))**

If applicable to the work and services performed by Contractor under the RFP, during the performance of any Agreement, Contractor shall comply with the Equal Employment Opportunity Clause (41 CFR 60-1.4(b)):

- (1) Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following:  

Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, or national origin.
- (3) Contractor will send to each labor union or representative of workers with which it has a collective bargaining agreement or other agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under

this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

- (4) Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (5) Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor for purpose of investigation to ascertain compliance with such rules, regulations, and orders.
- (6) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Agreement or with any of the said rules, regulations or orders, this Agreement may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (7) Contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of subparagraphs 1 through 7 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or contractor. Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: provided, however, that in the event Contractor becomes involved in, or is threatened with, litigation with a subcontractor or contractor as a result of such direction by the administering agency the Contractor may request the United States to enter into such litigation to protect the interest of the United States.

**D. DAVIS-BACON ACT AND COPELAND "ANTI-KICKBACK" ACT, 2 CFR §200.326 Appen. II to Part 200 (D)**

- (1) **Bacon-Davis Act:** Applicable to construction or repair of public buildings or public works. see FEMA Public Assistance Program and Policy Guide, Ch.2(V)(G)(2), page 32 (FP 104-009-2/January 2016);
- (2) **Copeland "Anti-Kickback" Act:** In contracts subject to the Davis-Bacon Act, Contractor shall comply with the Copeland "Anti-Kickback" Act (40 U.S.C. §3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that the contractor and subcontractor must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The Government must report all suspected or reported violations to the appropriate Federal agency.
- (3) If applicable to the work and services performed by Contractor under the parties' Agreement:
  - (a) Contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into this Agreement.
  - (b) Contractor or subcontractor shall insert in any subcontract the clause above and such other clauses as FEMA may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. Contractor shall be



responsible for the compliance by any subcontractor or lower tier subcontract with all of these contract clauses.

- (c) A breach of the Agreement clause above may be grounds for termination of the Agreement, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. §5.12.

**E. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT, 2 CFR §200.326 Appendix II to Part 200 (E) (40 U.S.C. 3701-3708)**

Contracts in excess of \$100,000 that involve the employment of mechanics or laborers shall comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor and its subcontractors shall compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week.

- (1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) Violation: liability for unpaid wages: liquidated damages. In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.
- (3) Withholding for unpaid wages and liquidated damages. The Government shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.
- (4) The contractor and subcontractor shall insert in any subcontract the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts.

**F. RIGHTS TO INVENTIONS MADE UNDER A CONTRACT OR AGREEMENT, 2 CFR §200.326 Appendix II to Part 200 (F)**

If applicable to the work and services performed by Contractor under the parties' AGREEMENT and if the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the

GOVERNMENT wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that “funding agreement,” the GOVERNMENT must comply with the requirements of 37 CFR Part 401, “Rights to Inventions Made by Nonprofit Organizations and Small Business.”

**G. CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT, 2 CFR §200.326 Appendix II to Part 200 (G)**

Contractor shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA). Contractor shall include the foregoing requirements in each subcontract exceeding \$100,000.

**H. ENERGY EFFICIENCY AND CONSERVATION, 2 CFR §200.326 Appendix II to Part 200 (H)**

If applicable to the work and services performed by Contractor under the parties’ AGREEMENT, Contractor shall comply with the mandatory standards and policies of the state regulation promulgated in accordance with the Energy Policy and Conservation Act (42 U.S.C. § 6201).

**I. DEBARMENT AND SUSPENSION, 2 CFR §200.326 Appendix II to Part 200 (I)**

- (1) This Agreement is a covered transaction for purposes of 2 C.F.R. pt. 180 and 2 C.F.R. pt. 3000. As such, the Contractor is required to verify that none of the contractor, its principals (defined at 2 C.F.R. § 180.995), or its affiliates (defined at 2 C.F.R. § 180.905) are excluded (defined at 2 C.F.R. § 180.940) or disqualified (defined at 2 C.F.R. § 180.935).
- (2) The Contractor must comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C and must include a requirement to comply with these regulations in any lower tier covered transaction it enters into.
- (3) This certification is a material representation of fact relied upon by GOVERNMENT. If it is later determined that the Contractor did not comply with 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C, in addition to remedies available to GOVERNMENT, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment.
- (4) The Contractor agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C AGREEMENT is valid and throughout the period of performance. The Contractor further agrees to include a provision requiring such compliance in its lower tier covered transactions.

**J. BYRD ANTI-LOBBYING AMENDMENT, 2 CFR §200.326 Appendix II to Part 200 (J)**

Contractor must file with the GOVERNMENT the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award.

Such disclosures are forwarded from tier to tier up to the non-Federal award. If not provided with the bid response, Contractor must complete and submit the Certification Regarding Lobbying Form.

**K. PROCUREMENT OF RECOVERED MATERIALS, 2 CFR §200.326 Appendix II to Part 200 (K) and 2 CFR §200.322)**

- (1) In the performance of this contract, the Contractor shall make maximum use of products containing recovered materials that are EPA-designated items unless the product cannot be acquired-
  - (a) Competitively within a timeframe providing for compliance with the contract performance schedule;
  - (b) Meeting contract performance requirements; or
  - (c) At a reasonable price.
- (2) Information about this requirement is available at EPA's Comprehensive Procurement Guidelines web site, <http://www.epa.gov/cpg/>. The list of EPA-designate items is available at <http://www.epa.gov/cpg/products/htm>.

**L. AGREEMENTING WITH SMALL AND MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (2 CFR §200.321)**

Should the Contractor subcontract any of the work under this AGREEMENT, Contractor shall take the following affirmative steps: place qualified small and minority businesses and women's business enterprises on solicitation lists; assure that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources; divide total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises; establish delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises; and use the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.

**M. ACCESS TO RECORDS**

- (1) Contractor agrees to provide GOVERNMENT, the FEMA Administrator, the Comptroller General of the United States, or any of their authorized representative's access to any books, documents, papers, and records of the Contractor which are directly pertinent to this AGREEMENT for the purposes of making audits, examinations, excerpts, and transcriptions.
- (2) Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
- (3) Contractor agrees to provide the FEMA Administrator or his authorized representatives' access to construction or other work sites pertaining to the work being completed under the contract.

**N. SEAL, LOGO AND FLAGS**

Contractor shall not use the U.S. Department of Homeland Security's seal(s), logos, crests, or reproductions of flags or likenesses of the U.S. Department of Homeland Security's agency officials without specific FEMA preapproval.

**O. COMPLIANCE WITH FEDERAL LAW, REGULATIONS AND EXECUTIVE ORDERS**

This is an acknowledgement that FEMA financial assistance will be used to fund the AGREEMENT only. Contractor will comply with all federal law, regulations, executive orders, FEMA policies, procedures, and directives.

**P. NO OBLIGATION BY FEDERAL GOVERNMENT**

The Federal Government is not a party to this AGREEMENT and is not subject to any obligations or liabilities to GOVERNMENT, Contractor, or any other party pertaining to any matter resulting from the contract.

**Q. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS OR RELATED ACTS**

Contractor acknowledges that 31 U.S.C. Chap. 38 (Administrative Remedies for False Claims and Statements) applies to the Contractor's actions pertaining to this contract.

**General Conditions of Bid and Term Contract**

**Insurance Requirements**

**Purchase Order will NOT be released until vendor provides all required documents to Orange County Purchasing.**

Failure to furnish Affidavit of Insurance, if required in these specifications, will result in Bid being declared non-responsive. Non-responsive Bids will not be considered for award. Before commencing work, the successful bidder shall be required, at his own expense, to furnish the Orange County Purchasing Agent within ten (10) days of notification of award with certified copies of all insurance policies showing the following insurance coverage to be in force throughout the term of the contract. No Purchase Order will be released until all required documents are provided to Orange County Purchasing.

- (a) Commercial General Liability insurance at minimum combined single limits of \$1,000,000.00 per-occurrence and \$1,000,000.00 general aggregate for bodily injury and property damage, which coverage shall include products/completed operations, (1,000,000.00 products/completed operations aggregate). Coverage for products/completed operations must be maintained for a least two (2) years after the construction work is completed. Coverage must be written on an occurrence form Contractual liability must be maintained with respect to the contractor's obligations contained in the contract. The general aggregate limit must be at least two (2) times the per-occurrence limit. A per-project aggregate endorsement must be included.
- (b) Workers Compensation insurance at statutory limits, including employer's liability coverage at minimum limits of \$500,000.00 per occurrence each accident/\$500,000.00 by disease per-occurrence/\$500,000.00 by disease aggregate.
- (c) Commercial Automobile Liability insurance at minimum combined single limits of \$1,000,000.00 per-occurrence for bodily injury and property damage, including owned, non-owned and hired vehicle coverage.

The required limits may be satisfied by any combination of primary, excess or umbrella liability insurances, provided the primary policy complies with the above requirements and the excess umbrella is following form.

The successful bidder may maintain reasonable and customary deductibles, subject to approval by Orange County.

A comprehensive general liability insurance form may be used in lieu of a commercial general liability insurance form. In this event, coverage must be written on an occurrence basis, at limits of \$1,000,000.00 per-occurrence, combined single limit; and coverage must include a broad form comprehensive general liability endorsement, coverage for products/completed operations, and broad form contractual liability covering the obligations included in the contract.

With reference to the foregoing insurance requirement, the successful bidder shall specifically endorse applicable insurance policies as follows:

1. Orange County shall be named as an additional insured with respect to general liability.
2. All liability policies shall contain cross liability and severability of interest clauses
3. A waiver of subrogation in favor of Orange County shall be contained in the workers compensation, general liability, and automobile liability coverage.
4. All insurance policies shall be endorsed to require the insurer to immediately Orange County of any material change in the insurance coverage.
5. All insurance policies shall be endorsed to the effect that Orange County will receive at least sixty (60) days' notice prior to cancellation, non-renewal or termination of the insurance.

All insurance shall be purchased from an insurance company that meets the following requirements:

1. A financial rating of A: VII or better as assigned by the BEST Rating Company.
2. Licensed and admitted to do business in the State of Texas

All insurance must be written on forms filed with and approved by the Texas State Board of Insurance. Certificates of Insurance shall be prepared and executed by the insurance company or its authorized agent, and shall contain provisions representing and warranting the following:

The company is licensed and admitted to do business in the State of Texas, and is a subscriber to

The Federal/State Guaranty Fund if applicable.

The insurances set forth by the insurance company are underwritten on forms, which have been

Approved by the Texas State Board of Insurance.

Sets forth all endorsements and insurance coverage's according to requirements and instructions

Contained herein.

Shall specifically set forth the notice of cancellation or termination provisions to Orange County.

### **General Conditions of Bid and Term Contract**

#### **Workers' Compensation Insurance**

#### **Purchase Order will NOT be released until vendor provides all required documents to Orange County Purchasing.**

1 Definitions:

1.1. **Certificate of coverage ("Certificate")** – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a coverage agreement, TWCC-81, TWCC-82, TWCC-83, or TWCC-84

showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the duration of the project.

1.2. **Duration of the project** – Includes the time from the beginning of the work on the project until the contractor's/person's work on the project has been completed and accepted by the governmental entity.

1.3. **Persons providing services on the project (“subcontractor”) in article 406.096** –

Includes all persons or entities performing all or part of the services under the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractor, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. “Services” includes, without limitation, providing, hauling or delivering equipment or materials, or providing labor, transportation, or other service related to a project. “Services” does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

2. The Contractor shall provide coverage, based on proper reporting of classification code and payroll amounts and filing any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all employees of the contractor providing services on the project, for the duration of the project.

3. The Contractor must provide a certificate of coverage to the governmental entity prior to being awarded the contract.

4. If the coverage period shown on the Contractor's current certificate of coverage ends during the duration of the project, the Contractor must, prior to the end of the coverage period, file a new certificate of coverage with the governmental entity showing that coverage has been extended.

5. The Contractor shall obtain from each person providing services on a project, and provide to the governmental entity:

5.1. A certificate of coverage, prior to that person beginning work on the project, so the governmental entity will have on file certificates of coverage showing coverage for all persons providing services on the project; and

5.2. No later than ten (10) days after receipt by the Contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate ends during the duration of the project.

6. The Contractor shall retain all required certificates of coverage for the duration of the project and for one (1) year thereafter.

7. The Contractor shall notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.

8. The Contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

9. The Contractor shall contractually require each person with whom it contracts to provide services on a project to:

9.1 Provide coverage, based on reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44) for all its employees providing services on the project, for the duration of the project.

9.2. Provide to the Contractor, prior to that person beginning work on the project a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project.

9.3. Provide the Contractor, prior to the end of coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.

9.4. Obtain from each person with whom it contracts, and provide to the Contractor:

9.4.1. A certificate of coverage, prior to the other person beginning work on the project; and

9.4.2. The coverage period, if the coverage period shown on the current certificate of a new certificate of coverage showing extension of coverage, prior to the end of coverage ends during the duration of the project.

9.5. Retain all required certificates of coverage on file for the duration of the project and for one (1) year thereafter.

9.6. Notify the governmental entity in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and

9.7. Contractually require each person with whom it contracts to perform as required by paragraphs I.1. – I.7., with the certificates of coverage to be provided to the person for whom they are providing services.

10. By signing this contract or providing or causing to be provided a certificate of coverage, the Contractor is representing to the governmental entity that all employees of the contractor who will provide services of the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

11. The Contractor's failure to comply with any of these provisions is a breach of contract by the Contractor which entitles the governmental entity to declare the contract void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the governmental entity.

**IFB- 22208– SILENT MESSENGER SOLAR POWERED PORTABLE CHANGEABLE  
MESSAGE BOARDS  
OFFER FORM**

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To Orange County:

We hereby offer and agree to furnish the materials or service in compliance with all terms, conditions, specifications, and amendments in the Invitation for Bid and any written exceptions in the offer. We understand that the items in this Invitation for Bid, including, but not limited to, all required certificates are fully incorporated herein as a material and necessary part of the contract.

The undersigned hereby states, under penalty of perjury, that all information provided is true, accurate, and complete, and states that he/she has the authority to submit this bid, which will result in a binding contract if accepted by Orange County.

We acknowledge receipt of the following amendment(s): \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

**I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:**

_____	For clarification of this offer, contact:			
Company Name	_____			
_____	Name			
Address	_____			
_____	Phone			
City	State	Zip	_____	Fax
_____	_____	_____	_____	_____
Signature of Person Authorized to Sign	E-mail			
_____	_____			
Printed Name				
_____				
Title				

**Bidder Shall Return Completed Form with Offer**



**IFB- 22208 – SILENT MESSENGER SOLAR POWERED PORTABLE CHANGEABLE  
MESSAGE BOARDS**

**ACCEPTANCE OF OFFER**

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The Offer is hereby accepted for the following item:

**IFB-22208 – SILENT MESSENGER SOLAR POWERED PORTABLE CHANGEABLE  
MESSAGE BOARDS**

The Contractor is now bound to sell the materials or services listed by the attached contract and based upon the Invitation for Bid, including all terms, conditions, specifications, amendments, etc., and the Contractor's Offer as accepted by Orange County. The Contractor has not been authorized to commence any billable work or to provide any material or service under this contract until Contractor receives a purchase order and/or a notice to proceed from the Orange County Purchasing Agent.

**Countersigned:**

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Orange County Judge

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Date

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**Attest:**

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Orange County Clerk

**IFB- 22208– SILENT MESSENGER SOLAR POWERED PORTABLE CHANGEABLE MESSAGE BOARDS**

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Please list at least three (3) companies or governmental agencies (preferably a municipality) where the same or similar products and/or services as contained in this specification package were recently provided.

**REFERENCE ONE**

Government/Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person and Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Contract Period: \_\_\_\_\_ Scope of Work: \_\_\_\_\_

**REFERENCE TWO**

Government/Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person and Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Contract Period: \_\_\_\_\_ Scope of Work: \_\_\_\_\_

**REFERENCE THREE**

Government/Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person and Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Contract Period: \_\_\_\_\_ Scope of Work: \_\_\_\_\_

***Bidder Shall Return Completed Form with Offer***

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## SPECIAL REQUIREMENTS INSTRUCTIONS

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### **Vendor Registration: System for Award Management (SAM)**

Note: Vendors doing business with Orange County **are required** to be registered with The System for Award Management (SAM), **with an “active” status.**

The Purchasing Department prior to procuring or entering into contract(s) for any goods/services will check the exclusion or debarment record of the vendor using the System for Award Management (SAM) and document by printing out the verification. The System for Award Management (SAM) is the Official U.S. Government System that consolidated the capabilities of CCR/FedReg, ORCA, and EPLS. A copy of the screen print indicating the vendor is not excluded or debarred at the time of the procurement will be included with the paperwork for that purchase and retained with the procurement records.

**This policy applies to the procurement of all good(s) or services(s) regardless of unit price or quantity. Vendor(s) will be verified before issuing any new purchase order, blanket purchase order, and contract or single time purchase. Vendor(s) will be verified prior to extending, renegotiating a follow-on contract, or entering into a new contract. Bid respondents are highly encouraged to check their firm’s SAM status prior to bid submission.**

The Purchasing Department shall verify all vendors, utilizing the System for Award Management (SAM).

The Purchasing Department will:

1. Go to the EPLS Website (<https://.SAM.Gov>).
2. The Purchasing Agent or their agent will search the EPLS system for the vendor.
3. If the vendor is found to be debarred, the vendor may not be used.
4. If the vendor is found not to be debarred, print the screen page and retain with the procurement documentation.

**Vendors may register at NO COST directly at the SAM website: <https://www.sam.gov>.**

## SPECIAL REQUIREMENTS INSTRUCTIONS

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### **Submission of FORM 1295 – Texas Ethics Commission – Form Below**

As of January 1, 2016, per House Bill 1295, the Texas Ethics Commission (TEC) requires **all awarded vendors** to complete a Certificate of Interested Parties (Form 1295) at the time of notification of award.

FORM 1295, Complete Instructions, and Login Instruction are available via the Texas Ethics Commission:

[https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)

**Awarded Vendors** must visit the TEC website link below, enter the required information on Form 1295, and print a copy of the completed form. The form will include a certification of filing that will contain a unique certification number.

At the time of award, the Orange County Purchasing Department will submit a request to the Awarded Vendor to both:

1. Submit Form 1295 online via the Texas Ethics Commission website link:

[https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)

2. Submit a printed copy of Form 1295, signed by an Authorized Agent of the awarded vendor and with this bid.

**CERTIFICATE OF INTERESTED PARTIES**

**FORM 1295**

Complete Nos. 1 - 4 and 6 if there are interested parties. Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.	<b>OFFICE USE ONLY</b>
<b>1 Name of business entity filing form, and the city, state and country of the business entity's place of business.</b>	
<b>2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.</b>	

**3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.**

4 Name of Interested Party	City, State, Country (place of business)	Nature of Interest (check applicable)	
		Controlling	Intermediary

**5 Check only if there is NO Interested Party.**

**6 AFFIDAVIT** I swear, or affirm, under penalty of perjury, that the above disclosure is true and correct.

\_\_\_\_\_

Signature of authorized agent of contracting business entity

AFFIX NOTARY STAMP / SEAL ABOVE

Sworn to and subscribed before me, by the said \_\_\_\_\_, this the \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_, to certify which, witness my hand and seal of office.

\_\_\_\_\_  
Signature of officer administering oath      Printed name of officer administering oath      Title of officer administering oath

**ADD ADDITIONAL PAGES AS NECESSARY**

**NOTE: VENDOR MUST SUBMIT FORM 1295 WITH OFFER**

## SPECIAL REQUIREMENTS INSTRUCTIONS

### CONFLICT OF INTEREST QUESTIONNAIRE

#### For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>. For easy reference, below are some of the sections cited on this form.

**Local Government Code § 176.001(1-a):** "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

- (A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
- (B) a transaction conducted at a price and subject to terms available to the public; or
- (C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

**Local Government Code § 176.003(a)(2)(A) and (B):**

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

\*\*\*

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;

or

(ii) the local governmental entity is considering entering into a contract with the vendor;

(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than \$100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed; or

(ii) the local governmental entity is considering entering into a contract with the vendor.

**Local Government Code § 176.006(a) and (a-1)**

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(1) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or

(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(2) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or

(C) of a family relationship with a local government officer.

**CONFLICT OF INTEREST QUESTIONNAIRE**  
**For vendor doing business with local governmental entity**

**FORM CIQ**

**This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.**  
 This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).  
 By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.  
 A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY	
Date Received	

**1 Name of vendor who has a business relationship with local governmental entity.**

**2**  **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

**3 Name of local government officer about whom the information is being disclosed.**

\_\_\_\_\_

Name of Officer

**4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.**

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

Yes       No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

Yes       No

**5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

**6**  Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

**7**

\_\_\_\_\_

Signature of vendor doing business with the governmental entity      Date

**NOTE: VENDOR MUST SUBMIT FORM CIQ WITH OFFER**

## LOCAL GOVERNMENT OFFICER CONFLICTS DISCLOSURE STATEMENT

Section 176.003 of the Local Government Code requires certain local government officers to file this form. A "local government officer" is defined as a member of the governing body of a local governmental entity; a director, superintendent, administrator, president, or other person designated as the executive officer of a local governmental entity; or an agent of a local governmental entity who exercises discretion in the planning, recommending, selecting, or contracting of a vendor. This form is required to be filed with the records administrator of the local governmental entity not later than 5 p.m. on the seventh business day after the date on which the officer becomes aware of the facts that require the filing of this statement.

A local government officer commits an offense if the officer knowingly violates Section 176.003, Local Government Code. An offense under this section is a misdemeanor.

Refer to chapter 176 of the Local Government Code for detailed information regarding the requirement to file this form.

### INSTRUCTIONS FOR COMPLETING THIS FORM

*The following numbers correspond to the numbered boxes on the other side.*

- 1. Name of Local Government Officer.** Enter the name of the local government officer filing this statement.
- 2. Office Held.** Enter the name of the office held by the local government officer filing this statement.
- 3. Name of vendor described by Sections 176.001(7) and 176.003(a), Local Government Code.** Enter the name of the vendor described by Section 176.001(7), Local Government Code, if the vendor: a) has an employment or other business relationship with the local government officer or a family member of the officer as described by Section 176.003(a)(2)(A), Local Government Code; b) has given to the local government officer or a family member of the officer one or more gifts as described by Section 176.003(a)(2)(B), Local Government Code; or c) has a family relationship with the local government officer as defined by Section 176.001(2-a), Local Government Code.
- 4. Description of the nature and extent of each employment or other business relationship and each family relationship with vendor named in item 3.** Describe the nature and extent of the employment or other business relationship the vendor has with the local government officer or a family member of the officer as described by Section 176.003(a)(2)(A), Local Government Code, and each family relationship the vendor has with the local government officer as defined by Section 176.001(2-a), Local Government Code.
- 5. List gifts accepted, if the aggregate value of the gifts accepted from vendor named in item 3 exceeds \$100.** List gifts accepted during the 12-month period (described by Section 176.003(a)(2)(B), Local Government Code) by the local government officer or family member of the officer from the vendor named in item 3 that in the aggregate exceed \$100 in value.
- 6. Affidavit.** Signature of local government officer.

**Local Government Code § 176.001(2-a):** "Family relationship" means a relationship between a person and another person within the third degree by consanguinity or the second degree by affinity, as those terms are defined by Subchapter B, Chapter 573, Government Code.

**Local Government Code § 176.003(a)(2)(A):**

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

\*\*\*

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds \$2,500 during the 12-month period preceding the date that the officer becomes aware that:

- (i) a contract between the local governmental entity and vendor has been executed; or
- (ii) the local governmental entity is considering entering into a contract with the vendor.



**LOCAL GOVERNMENT OFFICER  
CONFLICTS DISCLOSURE STATEMENT**

**FORM CIS**

(Instructions for completing and filing this form are provided on the next page.)

<p><b>This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.</b></p> <p>This is the notice to the appropriate local governmental entity that the following local government officer has become aware of facts that require the officer to file this statement in accordance with Chapter 176, Local Government Code.</p>	<p><b>OFFICE USE ONLY</b></p> <p>Date Received _____</p>
<p><b>1 Name of Local Government Officer</b></p> 	
<p><b>2 Office Held</b></p> 	
<p><b>3 Name of vendor described by Sections 176.001(7) and 176.003(a), Local Government Code</b></p> 	
<p><b>4 Description of the nature and extent of each employment or other business relationship and each family relationship with vendor named in Item 3.</b></p> 	
<p><b>5 List gifts accepted by the local government officer and any family member, if aggregate value of the gifts accepted from vendor named in item 3 exceeds \$100 during the 12-month period described by Section 176.003(a)(2)(B).</b></p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p>Date Gift Accepted _____ Description of Gift _____</p> <p style="text-align: center;">(attach additional forms as necessary)</p>	
<p><b>6 AFFIDAVIT</b></p> <p style="text-align: center;">I swear under penalty of perjury that the above statement is true and correct. I acknowledge that the disclosure applies to each family member (as defined by Section 176.001(2), Local Government Code) of this local government officer. I also acknowledge that this statement covers the 12-month period described by Section 176.003(a)(2)(B), Local Government Code.</p> <p style="text-align: right;">_____ Signature of Local Government Officer</p> <p>AFFIX NOTARY STAMP / SEAL ABOVE</p> <p>Sworn to and subscribed before me, by the said _____, this the _____ day of _____, 20_____, to certify which, witness my hand and seal of office.</p> <p>_____ Signature of officer administering oath      Printed name of officer administering oath      Title of officer administering oath</p>	

**NOTE: VENDOR MUST SUBMIT FORM CIS WITH OFFER**

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**Contractor Acknowledgement of Stormwater Management Program**

I hereby acknowledge that I am aware of the stormwater management program and standard operating procedures developed by Orange County in compliance with the TPDES General Permit No. TXR040000. I agree to comply with all applicable best management practices and standard operating procedures while conducting my services for Orange County. I agree to conduct all services in a manner that does not introduce illicit discharges of pollutants to streets, stormwater inlets, drainage ditches or any portion of the drainage system. The following materials and/or pollutant sources must not be discharged to the drainage system as a result of any services provided:

1. Grass clippings, leaves, mulch, rocks, sand, dirt or other waste materials resulting from landscaping activities, (except those materials resulting from ditch mowing or maintenance activities)
2. Herbicides, pesticides and/or fertilizers, (except those intended for aquatic use)
3. Detergents, fuels, solvents, oils and/or lubricants, other equipment and/or vehicle fluids,
4. Other hazardous materials including paints, thinners, chemicals or related waste materials,
5. Uncontrolled dewatering discharges, equipment and/or vehicle wash waters,
6. Sanitary waste, trash, debris, or other waste products
7. Wastewater from wet saw machinery,
8. Other pollutants that degrade water quality or pose a threat to human health or the environment.

Furthermore, I agree to notify Orange County immediately of any issue caused by or identified by \_\_\_\_\_ that is believed to be an immediate threat to human health or the environment.

(Company/Contractor)

\_\_\_\_\_  
Contractor Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

**Bidder Shall Return Completed Form with Offer**

## RESIDENCE CERTIFICATION/TAX FORM

Pursuant to Texas Government Code §2252.001 *et seq.*, as amended, Orange County requests Resident Certification. §2252.001 *et seq.* of the Government Code provides some restrictions on the awarding of governmental contracts; pertinent provisions of §2252.001 are stated below:

- (3) "Nonresident bidder" refers to a person who is not a resident.
- (4) "Resident bidder" refers to a person whose principal place of business is in this state, including a contractor whose ultimate parent company or majority owner has its principal place of business in this state.

- I certify that \_\_\_\_\_ [company name] is a Resident Bidder of Texas as defined in Government Code §2252.001.
- I certify that \_\_\_\_\_ [company name] is a Nonresident Bidder as defined in Government Code §2252.001 and our principal place of business is \_\_\_\_\_ (city and state).

Taxpayer Identification Number (T.I.N.):	
Company Name submitting bid/proposal:	
Mailing address:	
If you are an individual, list the names and addresses of any partnership of which you are a general partner:	

**Property:** List all taxable property owned by you or above partnerships in Orange County.

Orange County Tax Acct. No.*	Property address or location**

\* This is the property amount identification number assigned by the Orange County Appraisal District.  
 \*\* For real property, specify the property address or legal description. For business property, specify the address where the property is located. For example, office equipment will normally be at your office, but inventory may be stored as a warehouse or other location.

**Bidder Shall Return Completed Form with Offer**

## Good Faith Effort (GFE) Determination Checklist

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***This information must be submitted with your bid.***

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).

Yes  No

**Instructions:** In order to determine if a “Good Faith Effort” was made in soliciting HUBs for subcontracting opportunities, the following checklist and supporting documentation shall be completed by the Prime Contractor/Consultant, and returned with the Prime Contractor/ Consultant’s bid. This list contains the **minimum** efforts that should be put forth by the Prime Contractor/Consultant when attempting to achieve or exceed the goals of HUB Subcontractor participation. The Prime Contractor/Consultant may extend his/her efforts in soliciting HUB Subcontractor participation beyond what is listed below.

### **Did the Prime Contractor/Consultant . . .**

- Yes  No 1. To the extent practical, and consistent with standard and prudent industry standards, divide the contract work into the smallest feasible portions, to allow for maximum HUB Subcontractor participation?
- Yes  No 2. **Notify** in writing a reasonable number of HUBs, allowing sufficient time for effective participation of the planned work to be subcontracted?
- Yes  No 3. **Provide** HUBs that were genuinely interested in bidding on a subcontractor, adequate information regarding the project (i.e., plans, specifications, scope of work, bonding and insurance requirements, and a point of contact within the Prime Contractor/Consultant’s organization)?
- Yes  No 4. **Negotiate** in good faith with interested HUBs, and not reject bids from HUBs that qualify as lowest and responsive bidders?
- Yes  No 5. **Document** reasons HUBs were rejected? Was a written rejection notice, including the reason for rejection, provided to the rejected HUBs?
- Yes  No 6. If Prime Contractor/Consultant has zero (0) HUB participation, **please explain the reasons why.**

**If “No” was selected, please explain and include any pertinent documentation with your bid.  
If necessary, please use a separate sheet to answer the above questions.**

---

Printed Name of Authorized Representative

---

Signature

---

Title

---

Date

**Bidder Shall Return Completed Form with Offer**

**Notice of Intent (NOI) to Subcontract with  
Historically Underutilized Business (HUB)**

---

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).  
 Yes  No

**Instructions for Prime Contractor/Consultant:** Bidder shall submit this form with the bid; however, the information below may be submitted after contract award, but prior to beginning performance on the contract. Please submit one form for each HUB Subcontractor/Subconsultant with proper signatures, per the terms and conditions of your contract.

---

Contractor Name: \_\_\_\_\_ HUB:  Yes  No

Address: \_\_\_\_\_  
  Street    City    State    Zip

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Project Title & No.: \_\_\_\_\_

Prime Contract Amount:   \$ \_\_\_\_\_

---

HUB Subcontractor Name: \_\_\_\_\_

HUB Status (Gender & Ethnicity): \_\_\_\_\_

Certifying Agency:    Tx. Bldg & Procurement Comm.    Orange County    Tx Unified Certification Prog.

Address: \_\_\_\_\_  
  Street    City    State    Zip

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Proposed Subcontract Amount:   \$ \_\_\_\_\_   Percentage of Prime Contract: \_\_\_\_\_ %

Description of Subcontract Work to be Performed: \_\_\_\_\_

---

\_\_\_\_\_  
Printed Name of Contractor Representative

\_\_\_\_\_  
Signature of Representative

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name of HUB

\_\_\_\_\_  
Signature of Representative

\_\_\_\_\_  
Date

**NOTE: NOTHING ON THIS NOTICE OF INTENT FORM IS INTENDED TO CONFER ANY RIGHTS, EXPRESSED OR IMPLIED, TO ANY THIRD PARTIES.**

Pre-Approval for Subcontractor Substitutions must be obtained from the Orange County Purchasing Agent's Representative. The "HUB Subcontractor/Subconsultant Change Form" must be completed and faxed to 409-670-4170

**Bidder Shall Return Completed Form with Offer**

**Historically Underutilized Business (HUB)  
Subcontracting Participation Declaration Form**

PAGE 1 OF 4

*This information must be submitted with your bid.*

Bidder intends to utilize subcontractors/subconsultants in the fulfillment of this contract (if awarded).  
 Yes  No

Prime Contractor: \_\_\_\_\_ HUB:  Yes  No

HUB Status (Gender & Ethnicity): \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Project Title & No.: \_\_\_\_\_ IFB/RFP No.: \_\_\_\_\_

Total Contract: \$ \_\_\_\_\_ Total HUB Subcontract(s): \$ \_\_\_\_\_

Construction HUB Goals: 12.8% MBE: \_\_\_\_\_ % 12.6% WBE: \_\_\_\_\_ %

Sub-goals: 1.7 African-American, 9.7% Hispanic, 0.7% Native American, 0.8% Asian American.  
Use these goals as a guide to diversify.

**FOR HUB OFFICE USE ONLY:**

Verification date HUB Program Office reviewed and verified HUB Sub information Date: \_\_\_\_\_ Initials: \_\_\_\_\_

**PART I. HUB SUBCONTRACTOR DISCLOSURE**

HUB Subcontractor Name: \_\_\_\_\_

HUB Status (Gender & Ethnicity): \_\_\_\_\_

Certifying Agency:  Texas Bldg & Procurement Comm.  Texas Unified Certification Prog.

Address: \_\_\_\_\_  
Street City State Zip

Contact person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Proposed Subcontract Amount: \$ \_\_\_\_\_ Percentage of Prime Contract: \_\_\_\_\_ %

Description of Subcontract Work to be Performed: \_\_\_\_\_

**Bidder Shall Return Completed Form with Offer**

# Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 2 OF 4

## HUB SUBCONTRACTOR DISCLOSURE

**PART I: Continuation Sheet**

**(Duplicate as Needed)**

HUB Subcontractor Name: \_\_\_\_\_

HUB Status (Gender & Ethnicity): \_\_\_\_\_

Certifying Agency:  Tx. Bldg & Procurement Comm.  Orange County  Tx Unified Certification Prog.

Address: \_\_\_\_\_  
Street City State Zip

Contact person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Proposed Subcontract Amount: \$ \_\_\_\_\_ Percentage of Prime Contract: \_\_\_\_\_ %

Description of Subcontract Work to be Performed: \_\_\_\_\_

HUB Subcontractor Name: \_\_\_\_\_

HUB Status (Gender & Ethnicity): \_\_\_\_\_

Certifying Agency:  Tx. Bldg & Procurement Comm.  Orange County  Tx Unified Certification Prog.

Address: \_\_\_\_\_  
Street City State Zip

Contact person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Proposed Subcontract Amount: \$ \_\_\_\_\_ Percentage of Prime Contract: \_\_\_\_\_ %

Description of Subcontract Work to be Performed: \_\_\_\_\_

**All HUB Subcontractor Participation may be verified with the  
HUB Subcontractor(s) listed on Part I.**

**Bidder Shall Return Completed Form with Offer**



# Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 3 OF 4

## **PART II: STATEMENT OF NON-COMPLIANCE FOR NOT MEETING HUB SUBCONTRACTING GOALS**

***Please complete Good Faith Effort (GFE) Checklist and attach any supporting documentation.***

Our firm was unable to meet the HUB goals for this project for the following reasons:

- All subcontractors to be utilized are "Non-HUBs." (*Complete Part III*)
- HUBs were solicited but did not respond.
- HUBs solicited were not competitive.
- HUBs were unavailable for the following trade(s):
- Other: \_\_\_\_\_

Was the Orange County HUB Office contacted for assistance in locating HUBs?  Yes  No

## **PART III: DISCLOSURE OF OTHER "NON-HUB" SUBCONTRACTS**

The bidder shall use this area to provide a listing of all "Non-HUB" Subcontractors, including suppliers, that will perform under this project. A list of those "Non-HUB" Subcontractors the bidder selects, after bid submission, shall be provided to the Purchasing Office not later than five (5) calendar days after being notified that bidder is the apparent low bidder. A list of those "Non-HUB" Subcontractors that are selected after contract award must be provided **immediately** after their selection.

Subcontractor Name: \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

Contact person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Proposed Subcontract Amount: \$ \_\_\_\_\_ Percentage of Prime Contract: \_\_\_\_\_ %

Description of Subcontract Work to be Performed: \_\_\_\_\_

Subcontractor Name: \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

Contact person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Proposed Subcontract Amount: \$ \_\_\_\_\_ Percentage of Prime Contract: \_\_\_\_\_ %

Description of Subcontract Work to be Performed: \_\_\_\_\_

**Bidder Shall Return Completed Form with Offer**

# Historically Underutilized Business (HUB) Subcontracting Participation Declaration Form

PAGE 4 OF 4

Subcontractor Name: \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

Contact person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Proposed Subcontract Amount: \$ \_\_\_\_\_ Percentage of Prime Contract: \_\_\_\_\_ %

Description of Subcontract Work to be Performed: \_\_\_\_\_

Subcontractor Name: \_\_\_\_\_

Address: \_\_\_\_\_  
Street City State Zip

Contact person: \_\_\_\_\_ Title: \_\_\_\_\_

Phone (with area code): \_\_\_\_\_ Fax (with area code): \_\_\_\_\_

Proposed Subcontract Amount: \$ \_\_\_\_\_ Percentage of Prime Contract: \_\_\_\_\_ %

Description of Subcontract Work to be Performed: \_\_\_\_\_

I hereby certify that I have read the *HUB Program Instructions and Information*, truthfully completed all applicable parts of this form, and **attached any necessary support documentation as required**. I fully understand that intentionally falsifying information on this document may result in my not receiving a contract award or termination of any resulting contract.

Name (print or type): \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Contact person that will be in charge of invoicing for this project:

Name (print or type): \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

E-mail address: \_\_\_\_\_

**Bidder Shall Return Completed Form with Offer**

**Orange County Texas  
House Bill 89 Verification**

---

I, \_\_\_\_\_(Person name), the undersigned  
representative of\_(Company or Business name)\_\_\_\_\_

\_\_\_\_\_ (hereafter referred to as company) being an adult over the age of eighteen (18)  
years of age, after being duly sworn by the undersigned notary, do hereby depose and verify under oath that  
the company named-above, under the provisions of Subtitle F, Title 10, Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

*Pursuant to Section 2270.001, Texas Government Code:*

*1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and*

*2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.*

\_\_\_\_\_  
DATE

\_\_\_\_\_  
SIGNATURE OF COMPANY REPRESENTATIVE

On this the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, personally appeared  
\_\_\_\_\_, the above-named person, who after by me being duly  
sworn, did swear and confirm that the above is true and correct.

NOTARY SEAL

\_\_\_\_\_  
NOTARY SIGNATURE

\_\_\_\_\_  
Date

**Bidder Shall Return Completed Form with Offer**

**Orange County Texas**  
**SENATE BILL 252 CERTIFICATION**

---

On this day, I, Michelle Carroll, the Purchasing Representative for Orange County, Texas, pursuant to Texas Government Code, Chapter 2252, Section 2252.152 and Section 2252.153, certify that I did review the website of the Comptroller of the State of Texas concerning the listing of companies that is identified under Section 806.051, Section 807.051 or Section 2253.253 and I have ascertained that the below-named company is not contained on said listing of companies which do business with Iran, Sudan or any Foreign Terrorist Organization.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
RFP or Vendor number

CERTIFICATION CHECK PERFORMED BY:

\_\_\_\_\_  
Purchasing Representative

\_\_\_\_\_  
Date

# IFB-22208 SILENT MESSENGER SOLAR POWERED PORTABLE CHANGEABLE MESSAGE BOARDS

## Advertisement and Invitation for Bids Orange County American Rescue Plan Act Funding

The County will receive bids for CAMERA SYSTEM AT THE EOC until 2:00 .P.M on MAY 18, 2023 at ORANGE COUNTY PURCHASING 714 POLK STREET ORANGE, TX 77630. The bids will be publicly opened and read aloud at 2:00 P.M. on MAY 18, 2023.

Bids are invited for items and quantities as follows:

1. MATERIALS
2. EQUIPMENT
3. LABOR

Bid/Contract Documents, including Technical Specifications are on file at (address(s) at which specifications can be obtained).

A bid bond in the amount of 5 percent of the bid issued by an acceptable surety is required with each bid for those contracts that exceed \$100,000. A certified check or bank draft payable to the the \_\_\_\_\_ or negotiable U.S. Government Bonds (as par value) may be submitted in lieu of the Bid Bond.

Orange County reserves the right to reject any or all bids or to waive any informalities in the bidding.

Bids may be held by the \_\_\_\_\_ for a period not to exceed 60 days from the date of the bid opening for the purpose of reviewing the bids and investigating the bidders' qualifications prior to the contract award.

Orange County \_\_\_\_\_ (contracting officer), (title) \_\_\_\_\_ (date)

**All contractors and/or subcontractors who are debarred, suspended or otherwise excluded from or ineligible for participation on federal assistance programs may not undertake any activity in part or in full under this project.**

## INSTRUCTION TO BIDDERS

### 1. Interpretations or Addenda

No oral interpretations will be made to any bidder. Each request for an interpretation shall be made in writing to mcarroll@co.orange.tx.us, no less than seven (7) days prior to the bid opening. Each interpretation made will be in the form of an Addendum to the contract documents and will be distributed to all parties holding contract documents no less than seven (7) days prior to the bid opening. It is, however, the bidder's responsibility to make inquiry as to any addenda issued. All such addenda shall become part of the contract documents and all bidders shall be bound by such addenda.

### 2. Alternate bid items

No alternate bids or bid items will be considered unless they are specifically requested by the technical specifications.

### 3. Bids

- a) All bids must be submitted on the forms provided and are subject to all requirements of the Contract Documents, including the Drawings.
- b) All bids must be regular in every respect and no interlineation, excisions or special conditions may be made or included by the bidder.
- c) Bid documents, including the bid, and the bid bond shall be sealed in an envelope and clearly labeled with the words "Bid Documents," the project number, name of bidder and the date and time of bid opening.
- d) The Grant Recipient may consider as irregular any bid on which there is an alteration of or departure from the bid form and, at its option, may reject any irregular bid.
- e) If a contract is awarded, it will be awarded to a responsible bidder on the basis of the lowest/best bid and the selected alternate bid items, if any.

### 4. Bid Modifications Prior to Bid Opening

Any Bidder may modify its bid in writing at any time prior to the scheduled closing time for receipt of bids, provided such modification is received by the Grant Recipient prior to the bid closing time. The modification should not reveal the bid price but should provide the addition, subtractions or other modifications so that the final prices or terms will not be known by the Grant Recipient until the sealed bid is open. Likewise, any Bidder may modify a bid by submitting a supplemental bid in person prior to the scheduled closing time for receipt of bids. Such supplemental bid should mention only additions or subtractions to the original bid so as to not reveal the final prices or terms to the Grant Recipient until the sealed bid is open.

### 5. Bid Bond

A bid bond in the amount of 5% of the bid issued by an acceptable surety is required with each bid for contracts that exceed \$100,000. A certified check or bank draft payable to the Grant Recipient or negotiable U.S. Government Bonds (as par value) may be submitted in lieu of the Bid Bond.

### 6. Corrections

Erasures or other corrections in the bid must be noted over the signature of the bidder.

### 7. Time for Receiving Bids

Bids received prior to the advertised hour of opening shall be kept securely sealed. The officer appointed to open the bids shall decide when the specified time has arrived and no bid received thereafter will be considered.

### 8. Opening of Bids

The Grant Recipient shall, at the time and place fixed for the opening of bids, publicly open and read aloud each bid, irrespective of any irregularities therein.

9. Withdrawal of Bids

Bidder may withdraw the Bid before the time fixed for the opening of Bids by communicating its purpose in writing to the Grant Recipient. Upon receipt of such notice, the unopened Bid will be returned to the Bidder. The bid guaranty of any bidder withdrawing his bid in accordance with the above will be returned promptly.

10. Award of Contract/Rejection of Bids

The contract will be awarded to the responsive, responsible Bidder submitting the lowest/best bid. The bidder selected will be notified at the earliest possible date. The Grant Recipient reserves the right to reject any or all bids where such rejection is in its interest.

11. Execution of Agreement

The failure of the successful bidder to execute the agreement and supply the required bonds thirty (30) days from the date of the notice of award, or within such extended period as the Grant Recipient may grant shall constitute a default and the Grant Recipient may, at its option either award the contract to the next lowest responsible bidder, or re-advertise for bids. In either case, the Grant Recipient may charge against the bidder the difference between the amount of the bid, and the amount for which a contract is subsequently executed irrespective of whether this difference exceeds the amount of the bid bond. If a more favorable bid is received through re-advertisement, the defaulting bidder shall have no claim against the Grant Recipient for a refund.

12. Equal Employment Opportunity

Bidder is required to ensure that employees and applicants for employment are not discriminated against because of race, color, religion, sex, sexual identity, gender identity, or national origin, and must comply with other civil rights requirements.

13. Certification Regarding Lobbying –

Contractors who apply or bid for an award of \$100,000 or more shall provide the required certification that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining an Federal contract, grant or any other award covered by 31 USC § 1352.

**BID PROPOSAL- MATERIALS ONLY**

**INCLUDE THIS SHEET WITH PROPOSAL. BE SURE TO ALSO INCLUDE ALL SPECIFICATIONS, COMPLETED FORMS, DRAWINGS, ETC. AS DESCRIBED IN BID DOCUMENTS.**

Item No.	Description	Qty.	Unit	Unit Price	Total Cost
1		4	EA	\$ _____	\$ _____
2			EA	\$ _____	\$ _____
3			EA	\$ _____	\$ _____
4			EA	\$ _____	\$ _____
5			EA	\$ _____	\$ _____
6			EA	\$ _____	\$ _____
				<b>TOTAL BID</b>	\$ _____

**ACKNOWLEDGMENT OF ADDENDA**

It is the bidder's responsibility to make inquiry to the County regarding issuance of any addenda. Bidder hereby acknowledges receipt of the following (please initial as applicable):

Addendum 1: \_\_\_\_\_  
 Addendum 2: \_\_\_\_\_  
 Addendum 3: \_\_\_\_\_

Proposal Submitted By:

Company: \_\_\_\_\_

Address: \_\_\_\_\_

EIN /Tax ID #: \_\_\_\_\_

\_\_\_\_\_  
 Signature of Authorized Representative

\_\_\_\_\_  
 Printed Name / Title



## **Vehicle Maintenance and Safety:**

The Supervisor shall:

1. Show the employee where to find copies of the daily equipment checklist and give instruction on how to fill them out properly.
2. Instruct the employee on the proper use of a spotter for backing in accordance with the County Risk Management Policy.
3. Require that the employee use seat belts in all Orange County vehicles in accordance to the County Risk Management Policy.
4. Advise the employee on operator's maintenance versus mechanic's responsibilities.
5. Advise the employee on the proper accident reporting procedures and the time limits for reporting injuries and vehicle accidents.

## **Precinct Barn Safety:**

The Supervisor shall:

1. Require that each employee keeps their work place clean, neat, and make the extra efforts to improve the appearance and safety of all precinct barns and maintenance areas.
  2. Advise each employee to forward suggestions that may improve safety to the Risk Management Coordinator.
  3. Advise each employee to notify him if an unsafe condition exists.
-

## **USE OF COUNTY EQUIPMENT AND OTHER PROPERTY**

### **I. PURPOSE**

To set forth general supervisory guidelines to avoid improper use and abuse of county vehicles and property.

### **II. SCOPE**

This policy applies to all county employees.

### **III. POLICY**

County property shall not be appropriated for personal use. All county property shall be used for its proper and intended purpose, and shall be used in a manner so as to minimize abuse of such property, as well as wear and tear on the property.

- A. Protection of Office & Other County Equipment. All office equipment, tools, and any other county equipment, shall be returned to their proper storage locations at the close of each business day. County property shall not be removed from county premises, except where specifically authorized by the relevant department head/elected official.
- B. Damage to County Property. Intentional or negligent damage to county property shall not be tolerated. Employees who do so may be subject to discipline, including, but not limited to, termination, and may be required to pay restitution for the damaged property. See also Policy No. 410: Standards of Conduct.
- C. County Vehicles. County vehicles shall be utilized for work related purposes only. Only authorized county employees shall drive or otherwise utilize county vehicles.
  1. Overnight Travel. Where an employee is authorized to utilize a county vehicle for overnight travel, the employee's spouse and children may accompany the employee on the travel. See also Policy No. 330: Travel.
  2. Sheriff's Department Personnel. Nothing in this policy shall be construed to prohibit Sheriff's Department personnel from utilizing county vehicles to transport prisoners from location to location, as necessary as part of their job duties.
  3. Improper Use of County Vehicles. Any employee who is found to have utilized a county vehicle for personal reasons, other than an emergency, may be subject to discipline, up to and including, termination, and may be required to pay restitution for the value of the misappropriated use.

4. Activities Strictly Prohibited. Employees are STRICTLY FORBIDDEN from engaging in any of the following activities while operating a County Owned Vehicle:
  - a. Checking, reading, or sending text messages or email messages on a cellular or other electronic device;
  - b. Taking and/or posting of any photographs or videos;
  - c. Checking social networks, using the Internet, watching movies or videos, playing games, or any other use of any smartphone apps;
  - d. Reading or looking at maps, newspapers, magazines, or any other written or photographic material; and
  - e. Applying makeup or any performing any other grooming activities.
  
5. Activities Strongly Discouraged. Employees are strongly discouraged from engaging in any activity while operating a County Owned Vehicle that could cause distraction. The County requires Employees to use their best judgment when engaging in such activities, and to engage in such activities in the safest manner possible.
  - a. Employees should refrain from cell phone usage unless such use is absolutely necessary. If it is necessary to use a cell phone, a hands-free device should be used. Further, the cellular device should be positioned where the employee can access without taking their eyes off the road, and should take such precautions as hanging up if conditions become hazardous, and place calls when the vehicle is not moving.
  - b. GPS navigation devices may be used while driving as long as they are set up in a manner that does not obscure the driver's view. Any destination(s) should be entered/changed while the vehicle is not moving. Cell phones may be used as navigation devices if the phone is placed in a support device so that the driver does not need to hold or unlock the phone while driving in order to receive directions.
  - c. Other distractions such as eating, drinking, tuning radios, or adjustment of climate controls should also be avoided and done only when traffic conditions safely permit and when they can be done without taking attention away from driving.
  
6. All Laws, Rules, and Standards Must be Followed. County employees are required to abide by all state and local laws, as well as all rules, regulations, and policies as may be established by the Orange County Commissioners Court. Employees are further expected to maintain the highest possible ethical and moral standards, and to operate County vehicles in a manner that will reflect positively upon the County.

- D. Performance of County Duties in Personal Vehicles. Any County Employee who is driving his or her own personal vehicle while in the course of scope of the performance of any work for the County is bound by the same rules and prohibitions set forth herein for the operation of County Owned vehicles.
- E. Employees who violate this policy will be subject to disciplinary actions, up to and including employment termination.

CONTRACT IFB-22208

THIS AGREEMENT made this the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by and between \_\_\_\_\_ (a corporation organized and existing under the laws of the State of \_\_\_\_\_) (a partnership consisting of \_\_\_\_\_) (an individual trading as \_\_\_\_\_) [Note 1] hereinafter called the "Contractor", and \_\_\_\_\_ hereinafter called the "County."

WITNESSETH, that the Contractor and the County for the considerations stated herein mutually agree as follows:

ARTICLE 1. Statement of Work. The Contractor shall furnish all supervision, technical personnel, labor, materials, machinery, tools, equipment and services, including utility and transportation services, and perform and complete all work required for the construction of the Improvements embraced in the Project; namely, \_\_\_\_\_ [Note 2] for the \_\_\_\_\_ American Rescue Plan Act project, all in strict accordance with the contract documents including all addenda thereto, numbered \_\_\_\_\_, dated \_\_\_\_\_ and \_\_\_\_\_, all as prepared by \_\_\_\_\_ acting and in these contract documents preparation, referred to as the "Engineer".

Special Notes:

Note 1. Strike out the terms not applicable.

Note 2. Identify the principal items of Contract such as grading, paving, water mains, sewer lines, treatment facilities, etc.

ARTICLE 2. The Contract Price. The County will pay the Contractor for the performance of the Contract in current funds, for the total quantities of work performed at the unit prices stipulated in the Bid for the several respective items of work completed subject to additions and deductions as provided in \_\_\_\_\_ hereof.

-----  
Alternate Pricing Techniques: In the event the statutory provisions require the contract price to be a fixed sum, in the absence of an approved form, the following should be substituted for Article 2 above.  
-----

"ARTICLE 2. The Contract Price. The County will pay the Contractor for the performance of the Contract, in current funds, subject to additions and deductions as provided in Section 109 hereof, the sum of \_\_\_\_\_ Dollars (\$\_\_\_\_\_)."

ARTICLE 3. The Contract. The executed contract documents shall consist of the following components:

- a. This Agreement (pgs. 1-3)
- b. Addenda
- c. Invitation for Bids
- d. Instructions to Bidders
- e. Signed Copy of Bid
- f. General Conditions, Part I
- g. Special Conditions
- h. Technical Specifications
- i. Drawings (as listed in the Schedule of Drawings)
- j. [Add any applicable documents]

ARTICLE 4. Performance. Work, in accordance with the Contract dated \_\_\_\_\_, \_\_\_\_\_, shall commence on or before \_\_\_\_\_, \_\_\_\_\_, and Contractor shall complete the WORK

within \_\_\_\_\_ consecutive calendar days thereafter. The date of completion of all WORK is therefore \_\_\_\_\_, \_\_\_\_\_.

This Agreement, together with other documents enumerated in this ARTICLE 3, which said other documents are as fully a part of the Contract as if hereto attached or herein repeated, forms the Contract between the parties hereto. In the event that any provision in any component part of this Contract conflicts with any provision of any other component part, the provision of the component part first enumerated in this ARTICLE 3 shall govern, except as otherwise specifically stated.

**IN WITNESS WHEREOF**, the parties hereto have caused this Agreement to be executed in *triplicate* (Note 3) original copies on the day and year first above written. (Note 3)

\_\_\_\_\_  
(The Contractor)

By \_\_\_\_\_ [Note 4]

Title \_\_\_\_\_

\_\_\_\_\_  
(County)

By \_\_\_\_\_

\_\_\_\_\_  
Title \_\_\_\_\_

**Special Notes:**

*Note 3. The number of copies to be executed by the parties should be stated in the agreement in the space provided. Such additional signed copies shall be prepared as may be required by the surety companies and others.*

*Note 4. Supply a description of the Contractor (e.g., proprietorship, partnership, and corporation).*

**Corporate Certifications**

I, \_\_\_\_\_, certify that I am the \_\_\_\_\_ of the corporation named as Contractor herein; that \_\_\_\_\_, who signed this Agreement on behalf of the Contractor, was then \_\_\_\_\_ of said corporation; that said Agreement was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Corporate  
Seal

\_\_\_\_\_  
(Corporate Secretary)

**GENERAL CONDITIONS - PART I  
FOR MATERIALS ONLY**

**Materials/Equipment**

**General Contract Conditions**

1. Materials and Workmanship

- a) Unless otherwise specifically provided for in the Technical Specifications, all materials and articles utilized in the work shall be new and the best grade available. Where equipment, materials, or articles are referred to in the Technical Specifications as "equal to" any particular standard, the Engineer shall decide the question of equality.
- b) The successful bidder shall furnish to the Grant Recipient for approval the manufacturer's detailed specifications for all mechanical, other special equipment and all materials or articles, together with full information as to type, performance characteristics, and all other pertinent information as required.
- c) Materials specified by reference to the number or symbol of a specific standard, shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of the Invitation for Bids, except as limited to type, class or grade, or modified in the Technical specifications shall have full force and effect as though printed therein.

2. Samples and Tests

- a) Approval of any materials shall be general only and shall not constitute a waiver of the Grant Recipient's right to demand full compliance with Contract requirements. After actual deliveries, the Engineer will have such check tests made as he deems necessary in each instance and may reject materials and equipment and accessories for cause, even though such materials and articles have been given general approval.
- b) Except as otherwise specifically stated in the Contract, the costs of sampling and testing will be divided as follows:
  - The Contractor shall furnish without extra cost, including packing and delivery charges, all samples required for testing purposes, except those samples taken on the project by the Engineer;
  - The Contractor shall assume all costs of re-testing materials which fail to meet contract requirements;
  - The Contractor shall assume all costs of testing materials offered in substitution for those found deficient; and
  - The Grant Recipient will pay all other expenses.

3. Compliance with Clean Air and Federal Water Pollution Control Acts [for contracts > \$150K]

- a) Contractor shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. 7401 et. seq., and the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251-1387. Violations must be reported to the awarding agency and the Regional Office of the Environmental Protection Agency (EPA).
- b) Materials shall be free of any hazardous materials, except as may be specifically provided for in the specifications.

4. Equal Opportunity Clause

- a) The Contractor hereby agrees that it will incorporate or cause to be incorporated into any contract for construction work, or modification thereof, as defined in the regulations of the Secretary of Labor at 41 CFR chapter 60, which is paid for in whole or in part with grant funds the following equal opportunity clause:

During the performance of this contract, the contractor agrees as follows:

- (1) The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- (2) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive considerations for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- (3) The Contractor will not discourage or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the contractor's legal duty to furnish information.
- (4) The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- (5) The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- (6) The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.



- (7) In the event of the Contractor's noncompliance with the nondiscrimination clauses of this Contract or with any of the said rules, regulations, or orders, this Contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- (8) The contractor will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the contractor may request the United States to enter into such litigation to protect the interests of the United States.
- b) The Contractor further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order 11246 of September 24, 1965, with a contractor debarred from, or who has not demonstrated eligibility for, Government contracts and federally assisted construction contracts pursuant to the Executive order and will carry out such sanctions and penalties for violation of the equal opportunity clause as may be imposed upon contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D of the Executive order. In addition, the Contractor agrees that if it fails or refuses to comply with these undertakings, the administering agency may take any or all of the following actions: Cancel, terminate, or suspend in whole or in part this grant (contract, loan, insurance, guarantee); refrain from extending any further assistance to the applicant under the program with respect to which the failure or refund occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

5. Section 109 of the Housing and Community Development Act of 1974

No person in the United States shall on the ground of race, color, national origin, religion, or sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity funded in whole or in part with funds made available under this title.

6. Age Discrimination Act of 1975. The Contractor shall comply with the Age Discrimination Act of 1975 which provides that no person in the United States shall on the basis of age be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

7. Debarment and Suspension (Executive Orders 12549 and 12689)

A contract award (see 2 CFR 180.220) must not be made to parties listed on the government-wide Excluded Parties List System in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR Part 1986 Comp., p. 189) and 12689 (3 CFR Part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

#### 8. Access to Records

The U.S. Department of Treasury, Inspectors General, the Comptroller General of the United States, and the Texas Division of Emergency Management and the County, or any of their authorized representatives, shall have access to any documents, papers, or other records of the Contractor which are pertinent to the ARPA award, in order to make audits, examinations, excerpts, and transcripts and to closeout the County's ARPA contract with the Department of Treasury.

#### 9. Retainage of Records

Grantees or subgrantees must retain all required records for three years after grantees or subgrantees make final payments and all other pending matters are closed.

#### 10. Termination for Cause *[for Contracts > \$10K]*

If the Contractor fails to fulfill in a timely and proper manner its obligations under this Agreement, or if the Contractor violates any of the covenants, conditions, agreements, or stipulations of this Agreement, the County shall have the right to terminate this Agreement by giving written notice to the Contractor of such termination and specifying the effective date thereof, which shall be at least five days before the effective date of such termination. In the event of termination for cause, all finished or unfinished documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by the Contractor pursuant to this Agreement shall, at the option of the County, be turned over to the County and become the property of the County. In the event of termination for cause, the Contractor shall be entitled to receive reasonable compensation for any necessary services actually and satisfactorily performed prior to the date of termination.

Notwithstanding the above, the Contractor shall not be relieved of liability to the County for damages sustained by the County by virtue of any breach of contract by the Contractor, and the County may set-off the damages it incurred as a result of the Contractor's breach of contract from any amounts it might otherwise owe the Contractor.

#### 11. Termination for Convenience of the County.*[for Contracts > \$10K]*

County may at any time and for any reason terminate Contractor's services and work at County's convenience upon providing written notice to the Contractor specifying the extent of termination and the effective date. Upon receipt of such notice, Contractor shall, unless the notice directs otherwise, immediately discontinue the work and placing of orders for materials, facilities and supplies in connection with the performance of this Agreement.

## 12. Liquidated Damages

Since the actual damages for any delay under this contract are impossible to determine, the Contractor shall be liable for and shall pay to the Grant Recipient the sum of One Hundred Dollars (\$100.00) as fixed, agreed and liquidated damages for each calendar day of delay from the above stipulated time for delivery.

- (a) Unless otherwise specifically provided for in the technical specifications, all workmanship, equipment, materials and articles incorporated in the work shall be new and the best grade of the respective kinds for the purpose. Where equipment, materials, articles or workmanship are referred to in the technical specifications as "equal to" any particular standard, the Engineer shall decide the question of equality.
- (b) The Contractor shall furnish to the County for approval the manufacturer's detailed specifications for all machinery, mechanical and other special equipment, which he contemplates installing together with full information as to type, performance characteristics, and all other pertinent information as required, and shall likewise submit for approval full information concerning all other materials or articles which he proposes to incorporate.
- (c) Machinery, mechanical and other equipment, materials or articles installed or used without such prior approval shall be at the risk of subsequent rejection.
- (d) Materials specified by reference to the number or symbol of a specific standard, shall comply with requirements in the latest revision thereof and any amendment or supplement thereto in effect on the date of the Invitation for Bids, except as limited to type, class or grade, or modified in the technical specifications shall have full force and effect as though printed therein.
- (e) The County may require the Contractor to dismiss from the work such employee or employees as the County or the Engineer may deem unqualified.

## 13. Conflicts of interest.

- (a) Governing Body. No member of the governing body of the County and no other officer, employee, or agent of the County, who exercises any functions or responsibilities in connection with administration, construction, engineering, or implementation of award between the Department of Treasury and the County, shall have any personal financial interest, direct or indirect, in the Contractor or this Contract; and the Firm shall take appropriate steps to assure compliance.
- (b) Other Local Public Officials. No other public official, who exercises any functions or responsibilities in connection with the planning and carrying out of administration, construction, engineering or implementation of the ARPA award between the Department of Treasury and the County, shall have any personal financial interest, direct or indirect, in the Contractor or this Contract; and the Contractor shall take appropriate steps to assure compliance.

(a) The Contractor and Employees. The Contractor warrants and represents that it has no conflict of interest associated with the ARPA award between the Department of Treasury and the County or this Contract. The Contractor further warrants and represents that it shall not acquire an interest, direct or indirect, in any geographic area that may benefit from the ARPA award between the Department of Treasury and the County or in any business, entity, organization or person that may benefit from the award. The Contractor further agrees that it will not employ an individual with a conflict of interest as described herein.

14. Debarment and Suspension (Executive Orders 12549 and 12689)

The Contractor certifies, by entering into this Contract, that neither it nor its principals are presently debarred, suspended, or otherwise excluded from or ineligible for participation in federally-assisted programs under Executive Orders 12549 (1986) and 12689 (1989). The term "principal" for purposes of this Contract is defined as an officer, director, owner, partner, key employee, or other person with primary management or supervisory responsibilities, or a person who has a critical influence on or substantive control over the operations of the Contractor. The Contractor understands that it must not make any award or permit any award (or contract) at any tier to any party which is debarred or suspended or is otherwise excluded from or ineligible for participation in Federal assistance programs under Executive Order 12549, "Debarment and Suspension."

15. Section 504 Rehabilitation Act of 1973, as amended.

The Contractor agrees that no otherwise qualified individual with disabilities shall, solely by reason of his/her disability, be denied the benefits of, or be subjected to discrimination, including discrimination in employment, under any program or activity receiving federal financial assistance.

16. Contract Period

The work to be performed under this contract shall commence within the time stipulated by the County in the Notice to Proceed, and shall be fully completed within 180 calendar days thereafter.

17. Gender Neutral - Gender References

When necessary, unless the context clearly requires otherwise, any gender-specific or gender-neutral term in this Contract (for example, he, she, it, etc.) is to be read as referring to any other gender or to no gender.

18. Title VI of the Civil Rights Act of 1964

The sub-grantee, contractor, subcontractor, successor, transferee, and assignee shall comply with Title VI of the Civil Rights Act of 1964, which prohibits recipients of federal financial assistance from excluding from a program or activity, denying benefits of, or otherwise discriminating against a person on the basis of race, color, or national origin (42 U.S.C. § 2000d et seq.), as implemented by the Department of the Treasury's Title VI regulations, 31 CFR Part 22, which are herein incorporated by reference and made a part of this contract (or agreement). Title VI also includes protection to persons with "Limited English Proficiency" in any program or activity receiving federal financial assistance, 42 U.S.C. §

2000d et seq., as implemented by the Department of the Treasury's Title VI regulations, 31 CFR Part 22, and herein incorporated by reference and made a part of this contract or agreement.

19. Americans with Disabilities Act

Contractor shall not discriminate against a qualified individual with a disability and shall comply with the Americans with Disabilities Act, P.L. 101-336, 42 U.S.C. 12101 et seq. and any properly promulgated rules and regulations related thereto.

**NONCOLLUSION AFFIDAVIT OF PRIME BIDDER  
(Include with Bid)**

State of Texas )

County of \_\_\_\_\_)

\_\_\_\_\_, being first duly sworn, deposes and says that:

(1) He/She is \_\_\_\_\_ of \_\_\_\_\_, the Bidder that has submitted the attached Bid;

(2) He/She is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

(3) Such Bid is genuine and is not a collusive or sham Bid;

(4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with another Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix an overhead, profit or cost element of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the \_\_\_\_\_ (Local Public Agency) or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) \_\_\_\_\_

\_\_\_\_\_  
Title

Subscribed and sworn to me this \_\_\_\_\_ day of \_\_\_\_\_.

By: \_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

## Certification Regarding Lobbying

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (c) The undersigned shall require that the language paragraph 1 and 2 of this anti-lobbying certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995).

The Contractor, \_\_\_\_\_, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 *et seq.*, apply to this certification and disclosure, if any.

\_\_\_\_\_  
Signature of Contractor's Authorized Official

\_\_\_\_\_  
Printed Name and Title of Contractor's Authorized Official

# TECHNICAL SPECIFICATIONS



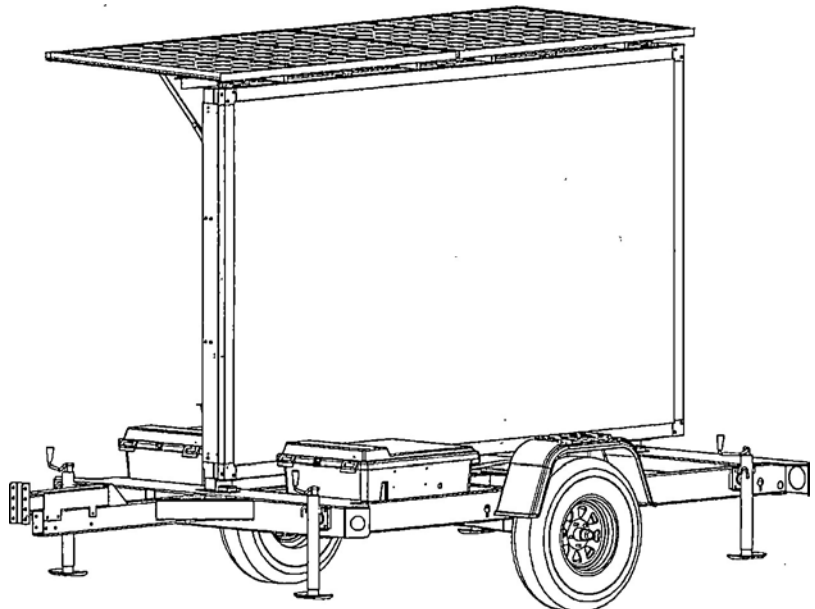


Silent Messenger  
Solar Powered Portable  
Changeable

# Message Boards

## Procurement Specifications

for MB Full Size Message  
Boards



## **1. General**

### **1.1 Product Description**

The SILENT MESSENGER is a solar powered portable dynamic message sign. The SILENT MESSENGER consists of a sign display panel, a supporting structure for the sign display panel, a photovoltaic array, a battery power supply, an energy management system control unit and an electronic control console, all mounted on a heavy duty trailer frame.

### **1.2 Design Objectives**

1.2.1 Maximize reliability by using generally accepted design techniques for outdoor-use electrical and electronic equipment.

1.2.2 Minimize operating cost by using a renewable energy source, requiring minimal maintenance.

1.2.3 Maximize safety and effectiveness by using a non-glare, high contrast display panel with long-life expectancy, high-reliability display technology.

1.2.4 Meet or exceed the standards for Portable Changeable Message Signs as listed in the U.S. Federal Highway Administration (FHWA) Manual on Uniform Traffic Control Devices (MUTCD).

### **1.3 Performance Objectives**

1.3.1 Visibility up to 1 mile.

1.3.2 Legibility up to 1/2 mile.

1.3.3 Minimal glare from sunlight and headlights.

1.3.4 Continuous, uninterrupted operation on solar power.

1.3.5 One month minimum, three month typical maintenance interval.

### **1.4 Quality Assurance Objectives**

1.4.1 All manufacturing shall be carried out in a facility with a completely implemented and properly maintained ISO 9001 :2015 certified quality management system.

1.4.2 All units shall bear the CE Mark indicating acceptable EMC (Electromagnetic Compatibility) to insure that the units are neither susceptible to nor produce any electromagnetic interference.

1.4.3 Manufacturer shall have a factory authorized service center located within 150 miles of point of delivery. Authorized service center shall receive all units from factory in order to inspect for any shipping damage and verify proper operation prior to final delivery. Delivery directly from manufacturer's facility without inspection by an authorized service center shall not be permitted. Additionally, authorized service center shall be capable of performing warranty service and repairs, and shall provide on-site training on the proper use and maintenance of all equipment delivered.

## **2. Physical**

### **2.1 Dimensions**

2.1.1 Length Overall - 180 in. (457 cm)

2.1.2 Width Overall - 92 in. (234 cm)

2.1.3 Height

2.1.3.1 Sign in transport position - 103 in. (262 cm)

2.1.3.2 Sign in operating position - 162 in. (412 cm)

2.1.4 Ground Clearance, minimum - 13 in. (33 cm)

2.1.5 Weight - 2,960 lbs. (1,343 kg) (maximum)

### **2.2 Environmental**

2.2.1 Temperature, operating and storage - -40 to +185 °F (-40 to +85 °C)

2.2.2 Relative Humidity - to 98%, non-condensing

### **2.3 Wind**

2.2.3.1 Transport position, maximum trailering speed - 70 MPH (112 KPH)

2.2.3.2 Operating position, max. height, outriggers in place - 80 MPH (128 KPH) sustained

2.2.4 Electrical Interference - Unaffected by RFI (Radio Frequency Interference) and EMI (Electromagnetic Interference).

### **3. Trailer Chassis and Sign Support**

#### **3.1 Trailer Chassis**

##### **3.1.1 Frame Construction**

3.1.1.1 Trailer frame shall be constructed of welded 7 Gauge (3/16-inch) CNC formed steel plate and structural steel tubing with 3 x 5 x 3/16 inch structural steel tubing extending from the sign mast mounting frame crossmembers (2 x 4 x 1 1 gauge tubing) forward to the coupler/brake actuator. Tongue shall be braced with diagonal 2 x 4 x 1 1 gauge tubing extending outward from the forward section of the tongue at 45 degrees, rearward to the front main cross member.

3.1.1.2 Trailer shall be equipped with a 7 Gauge (3/16-inch) CNC formed steel plate rear cross member to provide support for sign panel and protect structure against rear end collisions.

3.1.1.3 Trailer frame shall be equipped with tie down points to facilitate securing unit to utility trailer or truck deck for transport.

##### **3.1.2 Suspension and Brake System (Note: brakes are an optional upgrade)**

3.1.2.1 Trailer shall be equipped with an independent suspension, torsion-type #10 axle with either (optional) hydraulic surge or electric brakes. Axle load capacity shall be set to 3,400 pounds (Note: brakes are an optional upgrade).

3.1.2.2 Axle wheel spindles shall be equipped with grease fittings to accommodate wheel bearing lubrication.

3.1.2.3 Trailer shall be equipped with an optional bolt-on 7,500-pound capacity hydraulic surge brake actuator for axles equipped with surge brakes or an optional electric brake controller for axles equipped with electric brakes (Note: hydraulic surge or electric brakes are an optional upgrade).

3.1.2.4 Optional hydraulic surge brake actuator or optional electric brake actuator shall be equipped with an emergency break-away cable to automatically set the trailer brakes in the event of a coupler separation from the tow vehicle (Note: hydraulic surge or electric brakes are an optional upgrade).

##### **3.1.3 Coupler**

3.1.3.1 Trailer shall be equipped with an adjustable height coupler mount capable of accepting either a 2-inch ball or a 3-inch pintle ring coupler, both with minimum capacity ratings of 5,000 lbs.

3.1.3.2 Trailer shall be equipped with 36" long 1/4-inch safety chains with snap-type hooks for secure attachment to tow vehicle hitch.

3.1.3.3 All trailer hitch components shall comply with SAE J684 standards for Class II (2) trailers.

##### **3.1.4 Surface Preparation and Finishing**

3.1.4.1 Trailer chassis and superstructure shall be completely cleaned and deburred prior to finishing. All metal surfaces shall be prepared for finishing using an iron phosphate wash-down process.

3.1 .42 A polyamide epoxy primer shall be applied to a dry film thickness of 1.5 mils.

3.1.4 3 A high gloss federal safety orange aliphatic acrylic urethane finish shall be applied to a dry film thickness of 1.25 mils.

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### 3.1.5 Lighting

3.1.5.1 Trailer shall be equipped with sealed flush-mounted combination stop, tail and turn lights.

3.1.5.2 Trailer shall be equipped with flush-mounted front and rear side marker lights.

3.1.5.3 Trailer shall be equipped with a rear center identification light bar.

3.1.5.4 Trailer shall be equipped with a lighted license plate holder.

3.1.5.5 Trailer wiring harness shall be completely sealed and water resistant.

### 3.1.6 Fenders

3.1.6.1 Trailer shall be equipped with unbreakable, molded, solid color, UV-stabilized HDPE (High Density Polyethylene) fenders, completely closed on the inner side to protect trailer frame.

3.1.6.2 Fenders shall be secured to trailer frame with zinc-plated steel thread forming screws and fender washers so as to facilitate easy repair or replacement.

### 3.1.7 Leveling Jacks

3.1.7.1 Trailer shall be equipped with four swivel type screw jacks, minimum capacity rating of 2,000 pounds, mounted at each corner of the trailer frame.

3.1 .7.2 The outrigger jacks shall be capable of lifting the trailer frame so trailer wheels and tires can be removed for additional security.

3.1 .7.3 Trailer shall be constructed such that the outrigger jacks are protected by 7 Gauge (3/16-inch) CNC formed steel plate guards when the jacks are in the travel position to prevent damage to jacks during transport.

### 3.1.8 Tires and Wheels

3.1.8.1 Tires shall be ST225/75R15 Load Range C.

3.1.8.2 Wheels shall be 15-inch x 6-inch, 5-lug pattern (4 1/2-inch bolt circle), white spoke dress wheel.

3.1.8.3 Wheels and tires shall be sized in accordance with load requirements of trailer and axle.

### 3.2 Sign Support

3.2.1 Sign panel shall be attached to a telescoping mast assembly to facilitate raising and rotating the display panel from the transport position to the operating position safely and quickly by an unassisted operator.

3.22 The mast shall consist of a lower assembly and an upper assembly with a hydraulic cylinder mounted inside to provide for raising and lowering the message display panel.

3.23 A hydraulic power unit, mounted inside a lockable, weather-resistant, molded HDPE (High Density Polyethylene) enclosure, shall provide sufficient flow to raise the sign panel to the full operating

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of 23

position in less than twenty (20) seconds. The hydraulic power unit shall be equipped with a manual bypass dump valve to permit lowering of the mast in the event of a hydraulic control valve failure or total loss of electrical power.

3.24 The lower mast shall be fabricated from 6 x 6 x 3/16-inch structural steel tubing inserted through a 5/16-inch steel plate secured to the trailer frame with eight 5/8-inch diameter steel bolts. The lower mast assembly shall be reinforced with 5/16-inch steel gusset plates located below the trailer deck.

3.26 The upper mast shall be fabricated from 8-inch structural steel round tubing.

3.27 The mast assembly shall be equipped with a dual cam locking mechanism located at the bottom of the upper mast. The dual cam locking mechanism shall secure the message display panel in the appropriate viewing position. The locking cam mechanism shall automatically tighten to resist turning in windy conditions. Friction type (disc or band brake) locking mechanisms are not acceptable as slippage can occur in high wind conditions.

3.28 The message display panel support mechanism shall be capable of being rotated through 360° and locked into position, at any angle.

3.29 The message display panel rotation locking mechanism shall permit the operator to lock the message display into position, safely, at ground level, prior to elevation to full operating height.

3.2.10 The message display panel shall be equipped with a sighting device to facilitate proper alignment during setup.

3.2.11 The upper and lower mast assemblies shall be equipped with nylatron wear pads to provide for smooth easy movement and to avoid metal to metal contact. The message display support mast shall be capable of extended operation without lubrication. Nylatron wear pads shall be adjustable to compensate for normal wear.

3.2.12 Message display panel support structure shall be of non-welded, modular construction to facilitate quick easy repair in the event of accidental damage.

3.2.13 Message display panel shall be secured to a steel superstructure with stainless steel hardware and nylon spacers to minimize the effects of corrosion.

3.2.14 All mounting hardware shall be locking-type.

3.2.15 Heavy gauge steel cradles equipped with rubber bumpers and HDPE wear pads shall securely support sign panel against vertical and lateral movement during transport. No locking pins or latches will be permitted. Sign panel shall automatically lock into the transport position, without operator intervention, when the sign panel upper mast is fully retracted. Message Display Panel

4.1 Dimensions

4.1.1 Width Overall - 126 in. (320 cm)

4.1.2 Height Overall - 76 in. (193 cm)

4.1.3 Depth Overall - 6 in. (15 cm)

**4.2 Construction**

**4.2.1 Message Display Panel Case**

4.2.1.1 The message display panel case shall be constructed of heavy duty aluminum extrusion secured at each corner by a molded, fiberglass-reinforced plastic corner and black powder coated stainless steel torx head screws and nylon insert locknuts.

4.2.1.2 The back of the message display panel case shall be constructed of aluminum sheet bonded and riveted to the case frame.

4.2.1.3 Interior of message display panel case shall be equipped with fabricated extruded aluminum channels to reinforce the display case and to support internal wiring and cables.

4.2.1.4 The display panel case shall be equipped with eight breather filter vents, designed to allow the flow of vapor but not fluid, located at the top and bottom of the case to provide adequate ventilation to minimize condensation and fogging of the display panel door.

**4.2.2 Message Display Panel Door**

4.2.2.1 The display panel door shall be constructed of heavy duty extruded aluminum secured at the corners with glass fiber reinforced molded plastic inserts and black powder coated stainless steel torx head screws and nuts.

4.2.2.2 The door shall fit within a flange around the perimeter of the message display panel case frame to provide for a secure weatherproof enclosure.

4.2.2.3 A rubber seal shall be located inside of the flange on the case frame to provide a water tight, dust tight closure.

4.2.2.4 The message display panel shall be enclosed over the display area by a 3/16-inch thick clear UV resistant, scratch resistant, acrylic coated polycarbonate material with a non-glare outer surface to reduce reflection of ambient light and oncoming vehicle head lamps.

4.2.2.5 The polycarbonate material shall be secured in the door frame with an extruded rubber uchannel to provide a cushioned, weatherproof seal.

4.2.2.6 The message display panel door shall be secured in the open position for servicing by a pair of zinc-plated steel telescoping lid supports equipped with automatic latches. The door supports shall be located completely inside of the display panel housing, protected from weather.

4.2.2.7 The display panel door shall be secured in the closed position with adjustable, positive locking, stainless steel draw latches.



4.2.2.8 The message display panel door and case shall be equipped with stainless steel locking hasps capable of accepting standard padlocks to secure the door in the closed position.

#### 4.2.3 Surface Preparation and Finishing

4.2.3.1 Message display panel case and door shall be completely cleaned and deburred prior to finishing. All metal surfaces shall be prepared for finishing using an iron phosphate wash-down process.

4.2.3.2 Awash primer shall be applied to all prepared metal surfaces prior to applying final finish.

4.2.3.3 A matte black acrylic urethane finish shall be applied to a dry film thickness of 2.5 mils.

#### **4.3 Display Characteristics**

4.3.1 The message display area shall be approximately 120 inches in width by 70 inches in height.

4.3.2 The display area shall consist of a continuous (full) matrix of 48 pixels or dots in width by 27 pixels in height (models MB-1548, MB-2248, MB-3048, MB-3748 and MB-4048), or 56 pixels in width by 30 pixels in height when equipped with the optional high definition display (models MB-1556, MB2256, MB-3056, MB-3756 and MB-4056).

4.3.3 The pixels or dots shall consist of three (3) I-EDS (Light Emitting Diodes) arranged in a triangular pattern so as to produce the appearance of a round image or dot at normal viewing distances.

4.3.4 The display color shall be amber (592 nanometer wavelength).

4.3.5 The display shall produce a brightness greater than 10,000 candela per square meter at maximum intensity.

4.3.6 The display shall produce a minimum viewing angle of 24 degrees standard (60 degrees when equipped with optional MegaFlux LED display), with consistent intensity and color across the entire display panel.

4.3.7 The message display shall be capable of displaying one, two, three or four lines of alphanumeric characters or text with a nominal character height ranging from a minimum of 13 inches (33 cm) to a maximum of 52 inches (132 cm).

4.3.8 The message display panel shall be capable of displaying three lines of text with a minimum of three pixels (7.5 inches / 19 cm) between lines.

4.3.9 The message display shall also be capable of displaying graphic images and symbols using the full 48 pixel width and 27 pixel height (56 pixel width by 30 pixel height when equipped with the optional high definition display).

#### **4.4 Display Modules**

4.4.1 Display modules shall be mounted in the sign panel using captive 1/4-turn wing-head fasteners to permit quick, easy module replacement without the need for any tools.

4.4.2 Display modules shall be mounted on rubber cushions to provide shock absorption during transport and to accommodate thermally-induced expansion and contraction of message display panel during operation.

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4.4.3 Display module control circuitry shall include a fail-safe device, also known as a watchdog timer, to automatically monitor the performance of the display module and provide a reset / restart command to the on-board microcontroller in the event of any disruption of normal operation.

4.4.4 Display module control circuitry shall be designed to accommodate "hot swapping" exchange of display modules while sign is operating.

4.45 The message display shall consist of an array of identical display modules capable of functioning in any position without the need for switch or jumper setup or special programming.

4.46 Display modules and message display panel shall accommodate complete service and exchange of display modules without the need for any tools.

4.47 Display modules shall be equipped with locking-type electrical / electronic connectors to provide secure, reliable operation while permitting quick, easy service and repair of message display.

#### **4.5 Cables and Wiring**

4.5.1 All message display panel wiring and cables shall be equipped with modular power and signal connectors to permit repairs without the need for any tools.

4.5.2 All power circuit connectors shall use tin or silver plated contacts.

4.5.3 All signal circuit connectors shall use gold plated or gold flashed contacts.

4.5.4 All system wiring, power and signal, shall consist of marine grade wire and cable, with multistrand, tin-plated conductors.

4.5.5 All power and sign panel signal wiring and cables shall be installed in nonmetallic, flexible, liquidtight conduits. All conduit fittings shall be installed with rubber sealing rings to maintain liquid-tight characteristics.

### **5. Main Control Console**

#### **5.1 Physical**

5.1.1 Control console shall be enclosed in a weather resistant, lockable, molded HDPE (High Density Polyethylene) enclosure secured to the trailer chassis.

5.1.2 Control console shall be completely sealed to accommodate operation in all types of weather.

5.1.3 Control console shall be mounted on heavy duty slides which allow the control console to slide up and pivot into a position enabling the operator to program the unit while facing traffic from a comfortable standing position. A controller location which requires the operator to stoop, bend or kneel for operation such that the operator cannot see approaching traffic shall not be permitted. Slide mechanism shall permit quick, easy removal of control console without the need for any tools.

5.1.4 Control console power and control cables shall include sealed, locking-type connectors to permit quick, easy removal of control console without the need for any tools.

5.1.5 Control console front panel shall consist of a backlit full color LCD (liquid Crystal Display) with integrated industrial grade touch-screen, sealed and waterproof, to provide a readable and user-friendly interface for the operator under any weather condition.

#### **5.2 General Operation**

5.2.1 Control console shall provide for full local and remote (via integrated cellular transceiver and antenna) control of the dynamic message sign including dynamic message sign geographic location monitoring (via integrated GPS module and antenna), radar speed monitoring and statistical data collection (when equipped with optional radar speed monitor) and sign panel orientation monitoring (when equipped with optional digital flux-gate compass), without the need for additional hardware, software, external computers or hand-held control devices.

5.22 Control console shall include all necessary hardware and software to operate the dynamic message sign locally (via integrated full color LCD display and touch-screen) and remotely (via integrated cellular transceiver and antenna), including geographic location monitoring (via integrated GPS module and antenna), radar speed monitoring and statistical data collection (when equipped with optional radar speed monitor), and sign panel orientation monitoring (when equipped with optional digital flux-gate compass). Full remote control (including GPS mapping) via internet accessible server based remote control software shall be included free of charge from date of purchase (i.e. cellular service shall be included free from date of original purchase for life of the unit).

5.23 Control console, in conjunction with the message display panel, shall have the capability of monitoring and detecting sign panel communication loop failures. In the event of a sign panel communication loop failure, the control console, in the case of soft errors (temporary disruption of message display), shall have the ability to correct the failure immediately and in the case of hard errors (hardware failure), shall have the ability to completely blank the sign panel so as to prevent the display of incorrect and/or potentially misleading messages. Additionally, control console, in conjunction with the message display panel, shall have the capability of continuously and dynamically (as well as on command) testing and reporting the operational status of each and every individual pixel in the sign panel. Non-operational pixels shall be indicated as such on both local and remote user interfaces. Control console shall have the capability of reporting complete sign panel operational status remotely (including web-access, NTCIP, and UTMCI). Additionally, control console shall have multiple diagnostic modes (manual & automatic with both local and remote controls) for troubleshooting sign panel (including a graphical representation of all modules with non-operational pixels) to enable an operator to quickly track down and replace faulty display modules in the sign panel.

5.24 Control console embedded CPU shall incorporate an ARM based microprocessor design to insure future hardware and software compatibility through upgrades provided by manufacturer free for life of the machine. Operating system shall be Linux based and include multiple watchdog timers to ensure automatic system restarts in the event that any critical function stops working properly or communication with remote control servers is interrupted.

5.25 Control console shall be capable of connection to any standard IBM or compatible desktop or portable (lap-top) computer via a standard serial interface (COM) or Ethernet port to facilitate routine service or repair, extensive diagnostics, and the analysis of user files or operating programs.

5.26 Control console shall be equipped with at least one USB port, one Ethernet port, two (2) serial ports (DB-9 connector), two (2) digital outputs, six (6) digital inputs, and two (2) analog inputs.

5.27 Control console shall be capable of simultaneously driving more than one sign panel for dual sign panel installations.

5.28 Control console operating processor, firmware and software shall be field (locally) upgradeable with a standard USB flash-drive (memory key) or remotely upgradeable over an IP addressable network connection - wire-line or wireless via IP addressable modem. Additionally, upgrades shall be provided by manufacturer free of charge for life of machine and automatically applied via integrated cellular transceiver and included remote control service from date of original purchase.

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5.29 Full color LCD display shall be equipped with an automatic backlight with automatic dimming capability to accommodate both direct sunlight daytime and low ambient light level night time operation. Backlighting shall automatically activate upon any touch-screen activity and remain on for five minutes following the last touch-screen activity. Additionally, an automatic log-out feature shall be incorporated to insure security of the unit when left unattended. Automatic log-out feature shall be capable of being disabled by the operator as desired (i.e. for vehicle mounted applications).

5.2.10 Main power to the sign panel and the control console shall be controlled by a combination switch and circuit breaker in order to provide electrical protection without the need for fuses. All connections to controller and Energy Management System shall be made with locking type quick disconnect connectors. The use of fuses and/or terminal strips for connections shall be strictly forbidden.

### 5.3 Programming

5.3.1 Control console shall provide an intuitive icon-driven graphical user interface (GUI) along with step by step instructions to the operator, via the LCD display, as the various programming functions are performed, for simple easy programming and operation. On-screen help files shall be included in all languages. Control console shall support a minimum of six (6) standard operating languages (English, Spanish, French, Dutch, German and Portuguese) and four (4) standard keyboards (English, French, Portuguese/Spanish, and Arabic) along with associated font sets. Controller shall be capable of being setup for either a Standard US DOT, Power-Miser US DOT, Standard US 3-Line DOT, French Canadian, Ontario M TO-2, Quebec Road Safety, MTQ, or an International font set by an operator with Administrator access to prevent unauthorized use of inappropriate fonts by operators with User access.

5.32 Control console shall be capable of storing all messages in alphabetical order by the first letter of the first word of the name assigned to the message to permit quick recall of messages without the need for maintaining a numeric listing of pages and/or messages. Messages shall be automatically named and sorted any time messages are added to or deleted from the library. Because of difficulty in locating and retrieving stored pages and/or messages via numerical codes, number coded storage of pages and/or messages requiring any form of a lookup table/directory shall be strictly forbidden.

5.3.3 Control console shall accommodate a minimum of fifty (50) full alphanumeric passwords each providing one of four levels of access to various control console functions. Each password shall allow access to only the functions required by that particular dynamic message sign operator. The four levels of access are as follows:

Quick-Picks	with no programming required. Simply touch a message for display. No access to any permanent data files.
User Menu	Create, Edit, Delete, Save, Display, and Schedule messages. Create, Assign and Edit Quick-Picks. Check System Status and perform basic diagnostics.
Supervisor Menu	All User Menu Functions. Create and delete Quick-Picks and User passwords. Set system operating parameters.
Administrator Menu	All Supervisor Functions. Create and delete Administrator and Supervisor passwords. Set controller operating parameters.

Select from up to six (6) pre-programmed messages

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5.3.4 Control console shall be capable of displaying a message on the message sign display panel during such time as the operator may be adding, editing or deleting messages from the control console user files. Blanking of the message sign display panel during normal operator activity is considered unsafe and shall be strictly forbidden.

5.3.5 Control console shall be capable of monitoring ambient light conditions and making appropriate adjustments to the intensity of the sign panel to maintain an acceptable display contrast during all ambient lighting conditions. The control console shall provide a minimum of sixteen (16) intensity levels between minimum and maximum display brightness. An operator with Supervisor access shall be capable of adjusting the upper and lower photocell set-points as to adjust the overall range for the automatic brightness control to accommodate any local variations in ambient lighting. Manual control of sign panel intensity shall be provided as well enabling an operator with Supervisor access to override automatic sign panel intensity control and set sign panel intensity manually from 1% to 100% in 1% increments.

5.3.6 Control console shall be equipped with a Scheduler that utilizes a real time clock and calendar feature to accommodate automatic, unattended changing of messages at predetermined dates and times. Scheduler shall support unique, single event schedules along with recurrent schedules such that messages may be easily scheduled for daily, weekly or monthly repetition. Recurrent schedules shall be capable of incorporating a start and stop date as desired. Scheduler shall also be capable of displaying messages based upon data driven events such as input from a radar gun, photocell, battery voltage, temperature and/or switch closures (up to six). Data driven events shall also be capable of being restricted to specific dates and times. Scheduler shall incorporate a priority system for resolution of conflicting schedules and/or events to permit one schedule/event to override another based upon level of importance (i.e. priority). Additionally, the control console shall have the capability to create and display on the sign panel an Override Message that takes priority and overrides all programmed Schedules and Events until cleared to enable an operator to display a message continuously on the sign panel regardless of programmed schedules and/or events.

5.3.7 Control console shall provide special function buttons to provide access to common user functions in a single step including (from the main log-on screen) Managing Messages, Scheduling Messages, Blanking the Sign Panel, creating an Instant Message, and selecting from Quick Picks.

5.3.8 Control console shall provide a system status page that enables an operator to quickly and easily determine the unit's current time, date, photocell reading, photocell set-points, battery bank voltage, battery bank current, solar array voltage, solar array current, temperature, MAC address, IP address, run-time since last re-boot, current run-time (resettable timer), lifetime run-time, and serial modem type along with modem signal strength and quality, latitude & longitude and sign panel heading.

5.3.9 Control console shall be capable of storing a minimum of 5,000 messages, each message capable of accommodating a minimum of 500 pages (text or graphic images).

5.3.10 Control console shall provide a minimum of twelve (12) font sizes (with full uni-code support for each font) including an adaptive font that automatically and dynamically sizes text to fit on a page as it is typed such that the largest font is always used for a given amount of text on a page to ensure maximum visibility and legibility. One of the included font sizes shall be a standard 5x7 DOT pixel font.

5.3.11 Control console shall support the incorporation of multiple dynamic data sources per page during message creation such that multiple pages within a message can include output from multiple dynamic data sources. Pages containing dynamic data sources shall be automatically refreshed and updated prior to each display such that the most recent data is always displayed on the sign panel. System shall include, as a minimum, the following data sources: radar gun (if equipped), real-time clock (time and date - day, month, year and time in various formats), photocell (ambient light level),

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of23

battery voltage, and countdown & count-up features from a specified date and/or time. System shall also provide operator with the ability to create and incorporate additional dynamic data sources for display and scheduler control for maximum flexibility during system integration.

5.3.12 Control console shall be capable of page display times from 0.1 seconds to a minimum of 99 seconds in 0.1 second increments.

5.3.13 Control console shall be capable of displaying messages in a preview screen, during message creation, editing or selection, exactly as they will appear on the message display panel including an exact graphical representation of all non-operational/failed pixels on sign panel.

5.3.14 Control console shall permit the editing of messages that are currently being displayed, showing the revised message as soon as message editing has been completed.

5.3.15 Control console shall enable an operator to create, copy, add/insert, move about, edit and delete/remove pages to/from a message dynamically during message creation and/or editing. It shall not be necessary to create pages first and then assemble the pages into a message. Control console shall have the ability to insert pages and/or messages from a master library into a new message and move them about within the message. Control console shall also accommodate the creation and editing of graphic images directly from the GUI during message creation. Additionally, control console shall provide the operator with the ability to easily flash a page within a message, flash a line(s) within a page and/or add static or dynamic arrows/chevrons to a page within a message through the use of page annotations. Control console shall have the capability (if enabled by an operator with Supervisory access) to create pages with scrolling text.

5.3.16 Control console shall provide a selection of standard highway work zone sign graphic images, including but not limited to: flagman, fixed left and right arrow images, moving or sequential left and right arrow images, and moving or sequential left and right chevrons, etc.

5.3.17 Control console shall provide the capability to display Battery Bank Voltage to 0.1 Volt accuracy, Battery Bank Current to 0.1 Amp accuracy, Solar Array Voltage to 0.1 Volt accuracy and Solar Array Current to 0.1 Amp accuracy directly on the control console display.

Additionally, control console shall have the capability to calculate and display an estimated run-time (autonomy) based on current battery bank status and historical system energy (generation vs. consumption) trends to provide the operator with an estimated number of days system is capable of operating prior to shutting down on a low-battery condition.

5.3.18 Control console shall provide for a user selectable low-battery-voltage caution message when the battery voltage drops to a user specified level (above the low-battery automatic shut down voltage). The low-battery-voltage caution message shall be user programmable by an operator with Supervisor access. Additionally, control console shall incorporate a feature know

as Adaptive Blanking that will as necessary, based upon current battery bank voltage and/or recorded battery bank voltage trends, automatically insert variable length blanks between pages (0.25s to 0.50s) of messages to reduce overall power consumption and extend run-time. An operator with Supervisory access shall be capable of either enabling or disabling the Adaptive Blanking feature.

5.3.19 Control console shall be equipped with three (3) Run-Time counters: an Up-Time counter that indicates total number of days, hours and minutes since last re-boot, a Current Run-Time counter that indicates total hours of operation since last reset of the counter (resettable run-time counter), and a Lifetime Run-Time counter that indicates total hours of control console operation (non-resettable).

5.3.20 Control console shall include the ability to reset the Current Run-Time counter, Message Library, Scheduler, and all Factory Settings automatically, individually or all at once through performing

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of 23

a variety of Master Resets which will clear all memory and reset all settings to original factory set-points to various levels.

5.3.21 Control console, in addition to an integrated GSM transceiver, shall support both dynamic and static IP address network connections along with direct serial communications to support legacy NTCIP installations.

5.3.22 Control console shall provide a method for setting a battery offset and temperature offset to calibrate battery voltage and temperature readings.

5.3.23 Control console shall provide a method for switching radar gun output from MPH to KPH directly from control console GUI or remotely via remote control software.

5.3.24 Control console shall be NTCIP compatible. The following NTCIP standards must be supported:

- NTCIP 1201 (v3.1 5r) - Global Object Definitions
- NTCIP 1203 (v2.39b) - Object Definitions for Dynamic Message Signs
- NTCIP 2101 (VI .19) - Subnetwork Profile: PMPP over RS232
- NTCIP 2104 (VI .11) - Subnetwork Profile: Internet
- NTCIP 2201 (VI .1 5) - Transport Profile: Transportation
- NTCIP 2202 (VI .05) - Transport Profile: Internet

Unit shall support an administrator community string along with 255 other communities. Each community shall be capable of being assigned read-only or read-write access.

Unit shall support up to 65,535 user-defined permanent messages.

Unit shall support a configurable number of changeable (persistent) messages. This number shall be configurable between 1 and 65,535, and shall default to 32.

Unit shall support a configurable number of volatile (nonpersistent) messages. This number shall be configurable between 1 and 65,535, and shall default to 32.

Each message shall support at least 16 pages.

Unit shall support a scheduler with support for up to 16 schedule, 16 day plans, and 96 day plan events.

Unit shall support at least 255 graphics via the monochrome 1 bit color scheme.

Unit shall support a configurable number of user-definable fonts. This number shall be configurable between 1 and 127, and shall default to 32.

5.3.19 Web-Interface (Smart-Phone Control): Control console shall function as a Web-Server which enables an operator (via user name and password access) through any standard Web-Browser to:

- Create a unique Web-Name for the unit for browser ID
- View the current status of the unit to include current message displayed on sign panel, battery voltage, photocell reading, date & time, and NTCIP control status

**- Blank the unit's sign panel**

- Select, preview, edit and activate any message from the unit's message library - Create, edit, preview and activate a new multi-page text message (up to 6 pages)
- Turn NTCIP control on/off if NTCIP control is enabled on control console



Access to the Web-Server shall be through any standard web browser over a standard network connection and/or public IP address (i.e. IP addressable modem). Access shall be protected by a user name and password created by the operator through the manufacturer's proprietary remote control software to ensure security is maintained at all times. The Web-Server shall be capable of being controlled (i.e. turned on and off) via manufacturer's proprietary remote control software. Web-Access to the control console shall not require access to a central server. All access to the Web-Server shall be logged and recorded.

## **6. Power System**

### **6.1 General**

6.1.1 Operating Voltage - 12 Volts DC nominal

6.1.2 Operating Energy Requirement - approx. 30 Amp Hours per day nominal at Spring or Fall Equinox (i.e. 12 hours of daylight, 12 hours of darkness)

6.1.3 Main Power Switch - Main power switch shall be a combination switch and electromagnetic, thermal circuit breaker to provide complete electrical system protection without the inconvenience of conventional fuses. Main power switch shall be splash proof and weather resistant.

### **6.2 Battery Bank**

6.2.1 Number of batteries: Specify four (4), six (6), eight (8), ten (10) or twelve (12)

6.2.2 Battery type: 6-Volt, heavy duty, deep cycle - Specify Flooded Lead-Acid, Gel-Cell or AGM.

6.2.3 Energy capacity - 1,560 Amp Hours nominal (12 batteries). Sufficient energy capacity to operate the message sign, displaying typical three-line normal size character messages for greater than 30 days, without any energy input from the solar array.

6.2.4 Battery / Equipment Compartments

6.2.4.1 Battery / Equipment Compartments shall be constructed of molded HMWPE (High Molecular Weight Polyethylene), color impregnated with Federal Safety Orange with 0.5% UV stabilizer added to prevent fading.

6.2.4.2 Compartments shall be designed to completely contain spills from a failed or damaged battery case.

6.2.4.3 Compartments shall be capable of supporting an operator standing on top of the battery / equipment compartment to service unit.

6.2.4.4 Compartments shall be designed such that the lid automatically latches in the closed position and holds the batteries in place. Lid shall be capable of being locked in the closed position with a standard padlock.

6.2.4.5 Lid shall be secured to compartment by an integral plastic hinge that permits the lid to be completely removed from the compartment for service. Lid on the compartment containing the control console shall be automatically supported in the open position by a telescoping lid support.

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6.2.4.6 Compartments shall be designed to provide adequate ventilation for the batteries during charging yet prevent the ingress of water during use or transport.

6.2.4.7 Each compartments shall be capable of housing four (4) BCI Group GC-2 batteries.

### **6.3 Solar Array**

6.3.1 Photovoltaic module type - Single crystal (monocrystalline) silicon

6.3.2 Number of solar cells per module - 36

6.3.3 Solar array power output: Specify 160, 240, 320, 400 or 480 Watts peak (min.)

NOTE: Solar energy system performance charts are available to assist in selection of appropriate solar array power output requirements.

6.3.4 Solar array shall tilt down for fast, easy cleaning and maintenance.

6.3.5 Solar array energy output shall be sufficient to operate the changeable message sign, under normal operating conditions, with the solar array in a flat, horizontal position. It shall not be necessary to tilt or rotate the solar array to provide sufficient energy output from the solar array to operate the message sign continuously. (Note: An optional tilt and rotate system or an automatically operated linear actuator may be provided to provide for automatic removal of snow and/or ice from solar array for units specified for extreme climates and/or extreme latitudes.)

6.3.6 Photovoltaic module junction boxes shall be equipped with watertight strain reliefs at all cable entry points.

### **6.4 Wiring and Cabling**

6.4.1 All power and control wiring and cables shall be in nonmetallic, flexible, liquid tight conduits.

6.4.2 All conduit fittings shall be sealed at bulkheads or enclosure entry points.

6.4.3 All wiring shall be marine grade, multi-strand, tin-plated copper with PVC insulation rated for outdoor use.

6.4.4 All power system wire terminals shall be tin-plated copper to minimize the effects of galvanic corrosion.

6.4.5 Main power wiring shall be 8AWG minimum.

6.4.6 Battery terminations shall consist of 5/16-18 UNC marine stud with stainless steel split lock washer and hex nut with 5/16 tin-plated copper ring terminal.

6.4.7 Solar panel terminations shall consist of stainless steel screws with #8 tin-plated copper snap spade terminal.

6.4.8 All other terminations shall consist of locking-type quick-disconnect connectors with tin-plated terminals for power connections and gold-plated terminals for signal connections. Terminal strips, screw or compression type, shall not be permitted

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of 23

### **6.5 Energy Management System**

6.5.1 Solar energy management system control unit shall include a completely solid state charge controller capable of operating in an outdoor environment. No mechanical or electromechanical switching to control charging current is permitted.

6.5.2 All wiring connections to the energy management system control unit shall be made with lockingtype multi-pin connectors to facility quick, easy servicing of the control unit without the need of any tools. Electrical connections shall include an auxiliary 12-Volt power connection to provide power for accessory devices.

6.5.3 Energy management system control unit shall monitor solar array voltage, solar array current, battery voltage, battery current and ambient temperature.

6.5.4 Energy management system control unit shall regulate energy flow from the solar array into the battery bank based on ambient temperature so as to avoid over charging of the batteries and minimize the consumption of electrolyte.

6.5.5 Energy management system control unit shall provide for the controlled periodic pulsing of the solar array current to assist in minimizing sulfate deposit buildup on the battery plates.

6.5.6 Energy management system control unit shall provide for remote monitoring of the battery bank voltage, at the terminals of one of the batteries, to assist in optimizing the transfer of power into the battery bank.

6.5.7 Energy management system control unit shall be equipped with a 2-line by 16-character LCD (Liquid Crystal Display) displaying sequentially, solar array voltage, solar array current, battery voltage, and battery current. In addition, the energy management system control unit shall display a low battery voltage warning message whenever the battery bank voltage drops below 10.9 Volts.

6.5.8 Energy management system control unit shall automatically switch current to the message sign off whenever the battery bank voltage drops below 10.7 Volts to prevent damage to the battery bank due to over-discharging the batteries.

6.5.9 Energy management system control unit shall provide for automatic reverse polarity protection, including reverse polarity indicator lamps, for the solar array and the battery bank.

6.5.10 Energy management system control unit shall provide for automatic fault protection without the need for fuses. The use of fuses for fault protection shall not be permitted.

6.5.11 Energy management system shall monitor and report to control console battery bank voltage, battery bank load current, solar array voltage and solar array charge current once every 15 seconds.

6.5.12 Energy management system shall have an integrated watchdog timer that is continuously reset by the control console during normal operations such that if the control console were to become unresponsive due to a software failure/lockup, upon expiration of the timer the energy management system will completely power down and re-start the entire system (including control console and all accessories such as modem, sign panel compass, etc.) in an attempt to recover the system from a temporary software failure/lockup.

**7. Documentation**

**7.1 Operation and Maintenance Manual - available on-line at [www.solartechnology.com](http://www.solartechnology.com)**

7.1 .1 Setup and Operation

7.1 .2 Programming

7.1 .3 Maintenance

7.1 .4 Troubleshooting and Repair

7.1 .5 Assembly Diagrams and Parts Lists

7.1 .6 Specifications

7.1.7 Appendix

**7.2 Command Center - Users Manual - available on-line at [www.solartechnology.com](http://www.solartechnology.com)**

7.2.1 Installation and Setup

7.2.2 Command Center Operation

7.2.3 Appendix

**7.3 User Guide - Hard Copy - attached to unit with PVC coated stainless steel lanyard**

7.3.1 Pre-transport checklist.

7.3.2 Job site setup checklist.

7.3.3 Basic programming instructions.

7.3.4 Basic system status evaluation.

7.3.5 Weatherproof card attached to unit with nylon-coated stainless steel lanyard.

**7.4 Integration Support Documentation - Per request from customer support (1-800475-5442)**

7.4.1 Proprietary Protocol Documentation for Custom System Integrators

7.4.2 NTCIP Support Documentation for NTCIP System Integrators

7.4.3 Web-Server Protocol Documentation for Web Based Application System Integrators

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of23

**8. Maintenance**

**8.1 Scheduled Maintenance**

8.1.1 Solar Array - Clean with water and mild detergent as needed.

8.1.2 Battery Bank - Check electrolyte level once each month and add distilled water as needed. (Note: Not required with Gel-Cell batteries.)

**8.2 Preventive Maintenance**

8.2.1 Inspect and lubricate axle hubs once per year.

## 9. Warranty

### 9.1 Standard Warranty

9.1.1 Bumper to Bumper - Full warranty five (5) years - consult factory for terms & conditions

9.1.2 Solar Panels -Ten years

9.2 Extended Warranty - Consult factory

## 10. Options

### 10.1 Battery Charger

10.1.1 Charger type - Switching regulator, constant voltage with automatic switch to maintenance or trickle charge.

10.1.2 Input Voltage - 110 VAC 50/60 Hz (specify 220 VAC 50 Hz for international use)

10.1.3 Available models with typical recharge times.

10.1.3.1 45-Amp - 36 hours (12 batteries), 24 hours (8 batteries), 12 hours (4 batteries)

10.1.3.2 90-Amp - 22 hours (12 batteries), 16 hours (8 batteries), 8 hours (4 batteries)

10.1.3 Battery charger unit shall install in the field with minimum effort.

### 10.2 Remote Control

#### 10.2.1 General

10.2.1.1 The remote control option shall provide for complete control of all dynamic message sign functions. The remote control option shall, at a minimum, provide for:

- Simultaneously geographically tracking, managing, operating and maintaining a minimum of 11000 remotely located PCMS units including setting up automatic e-mail notifications/alerts for unit movement, change of displayed message, low estimated runtime, low battery condition, sign panel failures, and pixel failures.

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- Sending a message to one or more remote PCMS for immediate display.
  - Receiving the message currently displayed on all remote PCMS.
  - Managing the message libraries and message schedules & events on all remote PCMS.
  - Checking the operating status, including sign panel status, system date & time, battery voltage, estimated autonomy, temperature, unit Up-Time, Current Run-Time, Life-Time Run-Time, and ambient light level of all remote PCMS.
  - Reporting and managing NTCIP status of all PCMS.

- Retrieve up to 30 days worth of toggled Radar Statistics from units equipped with optional Radar Speed Monitor (see section 10.3 for optional Radar Speed Monitor).
- Provide for the ability to perform various system resets including a complete re-boot/restart of the system for all PCMS.

10.2.1.3 Communication Protocol - Proprietary with complete CPC error detection and correction and full challenge-response password authentication.

10.2.1.4 Data Format - Data is encrypted and compressed for added security and reliability.

10.2.1.5 All operating software for message sign control console and host computer shall be included with basic message sign package (downloadable from [www.solartechnology.com](http://www.solartechnology.com)).

10.22 TCP/IP Network Communications (Dynamic or Static IP Address)

10.2.2.1 Data rate - 10/100 Base-T Ethernet

10.2.2.2 Remote control of any networked (IP addressable) PCMS may be achieved from any host computer with Internet connectivity (either with standard NTCIP commands via SNMP or STMP, or with Comamnd Center). Remote control software (Command Center) shall be provided free of charge (downloadable from [www.solartechnology.com](http://www.solartechnology.com)) with unit and function on any host computer, independent of operating system. Control console and remote control software shall incorporate a challenge/ response encrypted type password security system to prevent unauthorized access of any networked PCMS.

10.23 IP Addressable Cellular Transceiver Operation

10.2.3.1 Wireless modem with up to a 3-Watt cellular transceiver.

10.2.3.2 MNP 2-4 Error Control -Automatic error detection and correction.

10.2.3.3 MNP 5 Data Compression - Higher data rates, shorter connection times.

10.2.3.4 MNP IOEC - Enhanced performance over noisy cellular connections.

## 10.3 Radar Speed Monitor

### 1 0.3.1 General

1 0.3.1 . 1 Operating Frequency - 24.15 GHz (K-Band)

1 0.3.1 .2 Antenna Beamwidth - 12<sup>0</sup> (Circular Pattern)

1 0.3.1 .3 Capture Angle - 16.5<sup>0</sup> typical (Circular Pattern)

10.3.1.4 Target speed Range - 5 to 125 MPH (20 to 200 km/h)

1 0.3. 1 .5 Target Speed Accuracy - 1 MPH typical

10.31 .6 Detection Distance - 1 ,500 Feet (Automobile-size target)

1 0.3.1 .7 Radar unit shall install in the field with minimum effort.

1 0.3.1 .8 Message sign shall be pre-wired and pre-programmed for radar speed monitor option.

### 1 0.3.2 Operating Features

10.3.2.1 Target Speed Display - The speed of the target may be displayed as part of any user-created messages, in any character size, in any position in the message. Multiple messages which include target speed can be stored in the message library.

10.3.2.2 Triggered Display -A message may be displayed only when an acquired target exceeds a preset speed threshold. This message may include the display of the target speed. If no target is acquired or if the acquired target is below the preset threshold, the default message will be displayed. Default message can be a blank display.

10.3.2.3 Window Triggered Display - Upper and lower speed thresholds may be preset such that the special message is displayed only when the target speed is above the lower threshold but below the upper threshold. This message can include the display of the target speed. If no target is acquired or if the acquired target is above or below the preset thresholds, the default message will be displayed. Default message can be a blank display. Multiple windows can be programmed each with a different message to be displayed when the acquired target speed is above the minimum speed but below the maximum speed threshold for that particular window. Each of these messages can include the display of the target speed.

10.3.2.4 All necessary software features shall be included with the basic message sign package.

### 10.3.3 Radar Statistical Data Collection

10.3.3.1 Control Console shall automatically log and record (to a standard USB memory stick) all raw data provided by the radar gun along with basic statistical information about the collected data in 15 minute intervals. The data shall be stored in two CSV (Comma Separated Value) files which may be opened in Microsoft Excel or any other similar spreadsheet type application for viewing, manipulation and analysis. Additionally, the most recent 30 days worth of Radar Statistics (statistical radar data logged every 1 5 minutes) shall be maintained in the control consoles nonvolatile memory and shall be retrieved remotely via Control Center 3000 - see Control Center 3000 manual for further details.

### 10.3.3.2 Data Provided

10.3.3.2.1 Raw Data File: (radar\_data file) - (Year, Month, Day, Time, Reading) - every reading readings recorded every 250ms while tracking a target

10.3.3.2.2 Statistical Data File: (radar\_statistics file) - (Year, Month, Day, Time, # of Readings, Mean, Median, Mode, Standard Deviation, Lowest Reading, Highest Reading)  
- based on all readings readings are taken every 250ms while tracking a target

### 10.4 Cellular Transceiver & GPS Receiver Module

10.4.1 Integrated into Control Console - proprietary

## 10.5 Sign Panel Flux-Gate Digital Compass

### 10.5.1 General

10.5.1.1 Operating Voltage: 8-28 Vdc

10.5.1.2 Input Current: 40 mA @ 12 Vdc maximum

**10.5.1.3 Operating Temperature Range: -40C to +65C (-40F to +150F)**

10.5.1.4 Shock/Vibration: meets MIL-STD-810 requirements

10.5.1.5 Altitude: 40,000 ft. maximum

10.5.1.6 Reliability: MTBF > 30,000 hours

10.5.1.7 Accuracy: +1-0.5 degrees

10.5.1.8 Repeatability: +1-0.2 degrees

10.5.1.9 Resolution: 0.1 degrees

10.5.1.10 Dip Angle: +1-80 degrees

10.5.1.11 Tilt Angle: +1-16 degrees

10.5.1.12 Response Time: 1 second



## 10.6 PTZ (Pan Tilt Zoom) Camera System

### 10.6.1 Camera Mount

10.6.1.1 Camera shall be supported by a mount bolted to the back of the sign panel that is capable of being raised/lowered via a 1,000 lb. capacity automatic brake winch and an extendable mast such that the camera can be raised (from below the top of the sign panel when in the lowered/transport position as to prevent damage to the camera during transport) to a minimum height of 19" above the top of the sign panel (extendable mast full retracted) to a maximum height of 50" above the top of the sign panel (extendable mast fully extended) providing a range of 15 ft. to 17 1/2 ft. above the ground when the sign panel is fully raised to the deployed position. Camera mount shall be bolted to the left-hand side of the sign panel such that it is in the best possible location for viewing all traffic on the roadway upon which the sign is deployed. Mount shall be lockable in both the raised and lowered position via a standard safety pin as to prevent inadvertent movement. Camera shall be easily removable (and installable) via a quick disconnect system for quick and easy removal and/or installation for storage and/or transport as desired for additional safety and/or security.

### 10.6.2 Camera General

10.6.2.1 Power Supply: DC/AC Inverter - 10-15 VDC Input - 24 VAC (+1-10%) 60Hz output - low

10.6.2.2 Camera: Bosch Autodome 7000 IP Day/Night (Note: see BOSCH AUTODOME 7000 IP Data Sheet for full current details and specifications).

10.6.2.2.1 Imager - 1/4 in. - type Exview HAD CCD (progressive scan)

10.6.2.2.2 Effective Picture Elements - PAL: Approx. 440,000; 752(H) x 58201) / NTSC: Approx. 380,000; 768(H) x 49401)

10.6.2.2.3 Lens - Zoom (3.4-122.4mm) F1.6 to F-4.5

10.6.2.2.4 Focus -Automatic with manual override

10.6.2.2.5 Iris -Automatic with manual override

10.6.2.2.6 Zoom Movement Speed - 2.1 sec. (min) - 6.0 sec. (max) depending on mode of operation

10.6.2.2.7 Optical Zoom Field of View (FOV) - 1.7 deg. to 57.8 deg.

10.6.2.2.8 Minimum Working Distance - 320mm (wide) to 1500mm (tele)

10.6.2.2.9 Gain Control -Auto/Manual/Max. (-3dB to 28 dB, 2 dB steps)

10.6.2.2.10 Synchronization - Line-Lock (-120 deg. to 120 deg. vertical phase adjust) or int. crystal

10.6.2.2.11 Aperture Correction - Horizontal and vertical

10.6.2.2.12 Digital Zoom - 12x

10.6.2.2.13 Sensitivity - Day Mode (.04 lux to .66 lux) / Night Mode (.0052 lux to 209 tux) depending on operating mode

10.6.2.2.14 Electronic Shutter speed - NTSC. 1/4 to 1/10,000 sec., 20 steps / PAL: 1/3 to 1/10,000 sec., 20 steps

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10.6.2.2.15 Wide Dynamic Range (WDR) - 92 dB (50 dB with WDR Off)

10.6.2.2.16 Signal-to-Noise Ratio (SNR) - >50 dB (Weighting ON)

10.6.2.2.17 Backlight Compensation (On/Off)

10.6.2.2.18 White Balance -ATW, Indoor, Outdoor, AWB Hold, Extended ATW, Manual Outdoor Auto, Sodium Lamp Auto, Sodium Lamp

1 0.6.2.2. 1 9 Day/Night - Monochrome, Color, Auto

1 0.6.2.2.20 Stabilization - On/Off

10.6.2.2.21 Pan Range - 360 deg. continuous

10.6.2.2.22 Tilt Angle - 18 deg. above horizon

10.6.2.2.23 Pre-position speed - Pan: 400 deg./sec. / Tilt: 300 deg./sec.

10.6.2.2.24 Input Voltage: 21-30 VAC, 50/60 Hz or High PoE

1 0.6.2.2.25 Power Consumption typical - 60W (heaters on) / 24W (heaters off)

10.6.2.2.26 Video Compression - H.264 (ISO/IEC 14496-10), M-JPEG

10.6.2.2.27 Encoding/Streaming - H.264 and MJPEG

1 0.6.2.2.28 Ingress Protection Rating - IP66

**1 0.6.2.2.29 Operating Temp. - -40F to 131 F (-40C to 55C)**

10 6.3 Additional Requirements for Camera System Installation and Operation

10.6.3.1 Camera system requires upgrading the Solar Array to a 320W Tilt and Rotate Solar Array

10.6.3.2 Camera system requires upgrading the Battery Bank to a minimum of Eight (8) batteries

10.6.3.3 Camera system requires the installation (and activation) of a separate 4G LTE digital cellular modem router - recommend model is a DIGI TRANSPORT WR44R - P/N: WR44-L500-CE1 -RF (4G LTE, Non-Wifi Non-GPS) with separate data service (set up by the owner of the sign/camera system through Verizon, AT&T, Sprint, etc. as appropriate for the installed modem) with sufficient bandwidth and data capacity suitable for remote video streaming/monitoring and control of the camera system. See DIGI TRANSPORT WR44R Data Sheet for more detailed information on the DIGI TRANSPORT WR44R Digital Cellular Modem Router.

