

PANOLA COUNTY, TEXAS

**INVITATION TO BID**

RETURN BID TO.

COUNTY JUDGE  
PANOLA COUNTY COURTHOUSE, ROOM 216A  
CARTHAGE, TEXAS 75633

The enclosed INVITATION TO BID (ITB) and accompanying SPECIFICATIONS AND BID SHEET are for your convenience in bidding the enclosed referenced service/products for Panola County

Sealed bids shall be received no later than:

**9:00 A.M., MONDAY, FEBRUARY 8, 2016**

MARK ENVELOPES

**"PANOLA COUNTY AIRPORT-SHARPE FIELD AWOS INSTALLATION PROJECT"**

Bidder shall sign and date the bid. Bids which are not signed and dated can be rejected. Bids must be submitted on the enclosed bid sheets and must be in ink or typewritten

Panola County appreciates your time and effort in preparing this bid. Please note that all bids must be received at the designated location by the deadline shown. Bids received after the deadline will not be considered for the award of the contract, and shall be considered void and unacceptable. Opening is scheduled to be held in Commissioners' Courtroom, Panola County Courthouse, Carthage, Texas. You are invited to attend.

Any questions concerning this Invitation to Bid and specifications should be directed to Airport Manager John DePresca, Jr. at (903) 693-7856 or Panola County Commissioner Ronnie LaGrone at (903) 692-2487.

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Signature of Bidder

**INSTRUCTIONS/TERMS OF CONTRACT**

By order of the Commissioners' Court of Panola County, Texas, sealed bids will be received for:

**"PANOLA COUNTY AIRPORT-SHARPE FIELD AWOS INSTALLATION PROJECT"**

IT IS UNDERSTOOD that the Commissioners' Court of Panola County, Texas reserves the right to reject any or all bids to any or all products and/or services covered in this bid request and to waive informalities or defects in bids or to accept such bids as it shall deem to be in the best interests of Panola County.

BIDS MUST BE submitted on the bid forms included for that purpose in this packet. Bids shall be placed in separate sealed envelopes, with **each page manually signed by a person having the authority to bind the firm in a contract** and marked clearly on the outside as shown below.

SUBMISSION OF BIDS: Sealed bids shall be submitted to:

**COUNTY JUDGE  
PANOLA COUNTY COURTHOUSE, ROOM 216A  
CARTHAGE, TEXAS 75633**

**Not later than 9:00 a.m., Monday, February 8, 2016**

Mark Envelopes:

**"PANOLA COUNTY AIRPORT-SHARPE FIELD AWOS INSTALLATION PROJECT"**

**BIDS RECEIVED AFTER OPENING DATE  
AND TIME WILL NOT BE CONSIDERED**

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Signature of Bidder

**INVITATION TO BID**  
**INSTRUCTIONS/TERMS OF CONTRACT**

**FUNDING:** Funds for payment have been provided through the Panola County Budget adopted by the Commissioners' Court for Fiscal Year 2016.

**LATE BIDS:** Bids received after submission deadline will be considered void and unacceptable. Panola County is not responsible for lateness or non-delivery of mail, carrier, etc.

**ALTERING BIDS:** Bids cannot be altered or amended after submission deadline. Any interlineation, alteration or erasure made before opening time must be initialed by the signer of the bid, guaranteeing authenticity.

**WITHDRAWAL OF BID:** A bid may not be withdrawn or canceled by the bidder without the permission of Panola County for a period of ninety (90) days following the date designated for the receipt of bids, and bidder so agrees upon submission of their bid.

**SALES TAX:** Panola County is exempt by law from payment of Texas Sales Tax and Federal Excise Tax, therefore, the bid shall not include sales tax.

**BID AWARD:** Panola County reserves the right to award bids on the lump sum or unit price basis, whichever is in the best interest of Panola County.

**CONTRACT:** This bid, when properly accepted by Panola County, shall constitute a contract equally binding between the successful bidder and Panola County. No different or additional terms will become a part of this contract with the exception of Change Orders.

**CHANGE ORDERS:** 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 by the Panola County Judge.

**DELIVERY:** All delivery fees and freight or handling charges shall be as stated on the bid and contract forms section and if not so stated no such cost, fee or charge will be paid.

**CONFLICT OF INTEREST:** No public official shall have interest in this contract, in accordance with V.T.C.A., Local Government Code Title 5, Subtitle C, Chapter 171.

**ETHICS:** The bidder shall not offer or accept gifts or anything of value nor enter into any business arrangement with any employee, official or agent of Panola County.

**EXCEPTIONS/SUBSTITUTIONS:** All bids meeting the intent of this invitation to bid will be considered for award. Bidders taking exception to the specifications, or offering

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Signature of Bidder

substitutions, shall state these exceptions in the section provided or by attachment as part of the bid. The absence of such a list shall indicate that the bidder has not taken exceptions and shall hold the bidder responsible to perform in strict accordance with the specifications of the invitation. Panola County Commissioners' Court reserves the right to accept any and all or none of the exception(s)/substitution(s) deemed to be in the best interest of the county.

**DESCRIPTIONS:** Any reference to model and/or make/manufacturer used in bid specifications is descriptive, not restrictive. It is used to indicate the type and quality desired. Bids on items of like quality will be considered.

**ADDENDA:** Any interpretations, corrections or changes in this ITB and Specifications will be made by addenda. Sole issuing authority of addenda shall be vested in Panola County. Addenda will be mailed to all who are known to have received a copy of this ITB. Bidders shall acknowledge receipt of all addenda.

**BIDS MUST COMPLY** with all federal, state, county and local laws concerning these types of service.

**DESIGN, STRENGTH, QUALITY** of materials must conform to the highest standards of manufacturing practice.

**MINIMUM STANDARDS FOR RESPONSIBLE PROSPECTIVE BIDDERS:** A prospective bidder must affirmatively demonstrate bidder's responsibility. A prospective bidder must meet the following requirements:

1. have adequate financial resources, or the ability to obtain such resources as required;
2. be able to comply with the required or proposed delivery schedule;
3. have a satisfactory record of performance;
4. have a satisfactory record of integrity and ethics;
5. be otherwise qualified and eligible to receive an award.

Panola County may request any other information sufficient to determine bidder's ability to meet these minimum standards listed above.

**REFERENCES:** Panola County may request bidder to supply a list of at least three (3) references where like services/products have been supplied by their firm.

**BIDDER SHALL PROVIDE** with this bid response, all documentation required by this ITB. Failure to provide this information may result in rejection of bid.

**SUCCESSFUL BIDDER SHALL** defend, indemnify, and save harmless Panola County and all its officers, agents and employees from all suits, actions, or other claims of any

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Signature of Bidder

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 bidder, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from bid award. Successful bidder indemnifies and will indemnify and save harmless Panola County from liability, claim or demand on their part, agents, servants, customers, and/or employees whether such liability, claim or demand arise from event or casualty happening or within the occupied premises themselves or happening upon or in any of the halls, elevators, entrances, stairways or approaches of or to the facilities within which the occupied premises are located. Successful bidder shall pay any judgment costs which may be obtained against Panola County growing out of such injury or damages.

**WAGES:** Successful bidder shall pay or cause to be paid, without cost or expense to Panola County, all Social Security, Unemployment and Federal Income Withholding Taxes of all such employees and all such employees shall be paid wages and benefits as required by Federal and/or State law.

**TERMINATION OF CONTRACT:** This contract shall remain in effect until contract expires, delivery and acceptance of products and/or performance of services ordered or terminated by either party with a thirty (30) days written notice prior to any cancellation. The successful bidder must state therein the reasons for such cancellation. Panola County reserves the right to award canceled contract to the next lowest and best bidder as it deems to be in the best interest of the county.

**TERMINATION FOR DEFAULT:** Panola County reserves the right to enforce the performance of this contract in any manner prescribed by law or deemed to be in the best interest of the county in the event of breach or default of this contract. Panola County reserves the right to terminate the contract immediately in the event the successful bidder fails to:

1. meet schedules;
2. defaults in the payment of any fees; or
3. otherwise perform in accordance with these specifications.

Breach of contract or default authorizes the county to exercise any or all of the following rights:

1. Panola County may take possession of the assigned premises and any fees accrued or becoming due to date;
2. Panola County may take possession of all goods, fixtures and materials of successful bidder therein and may foreclose its lien against such personal property, applying the proceeds toward fees due or thereafter becoming due.

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Signature of Bidder

In the event the successful bidder shall fail to perform, keep or observe any of the terms and conditions to be performed, kept or observed, Panola County shall give the successful bidder written notice of such default; and in the event said default is not remedied to the satisfaction and approval of the county within two (2) working days of receipt of such notice by the successful bidder, default will be declared and all the successful bidder's rights shall terminate.

Bidder, in submitting this bid, agrees Panola County shall not be liable to prosecution for damages in the event that the county declared the bidder in default.

**NOTICE:** Any notices provided by this bid (or required by law) to be given to the successful bidder by Panola County shall be conclusively deemed to have been given and received on the next day after such written notice has been deposited in the mail in Carthage, Texas, by Registered or Certified Mail with sufficient postage affixed thereto, addressed to the successful bidder at the address so provided; provided this shall not prevent the giving of actual notice in any other manner.

**PATENTS/COPYRIGHTS:** The successful bidder agrees to protect Panola County from claims involving infringement of patents and/or copyrights.

**CONTRACT ADMINISTRATION:** Panola County may appoint a contract administrator with designated responsibility to ensure compliance with contract requirements. The contract administrator will serve as liaison between Panola County and the successful bidder.

**PURCHASE ORDER:** A purchase order(s) shall be generated by Panola County to the successful bidder. The purchase order number must appear on all itemized invoices and packing slips. Panola County will not be held responsible for any orders placed/delivered without a valid current purchase order number.

**INVOICES** shall show (a) name and address of successful bidder; (b) county purchase order number; and (c) descriptive information as to the item(s) delivered.

**PAYMENT** will be made upon receipt and acceptance by the county of item(s) ordered and receipt of a valid invoice, in accordance with State of Texas Prompt Payment Act, V.T.C.S. Article 601f. Successful bidder is required to pay subcontractors within ten (10) days.

**ITEMS** supplied under this contract shall be subject to Panola County's approval. Items found defective or not meeting specifications shall be picked up and replaced by the successful bidder at no expense to the county. If item is not picked up within one (1) week after notification, the item will become a donation to the county for disposition.

**SAMPLES:** When requested, samples shall be furnished free of expense to Panola County.

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Signature of Bidder

WARRANTY: Successful bidder shall warrant that all items/services shall conform to the proposed specifications and/or all warranties as stated in the Uniform Commercial Code and be free from all defects in material, workmanship and title.

REMEDIES: The successful bidder and Panola County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code

VENUE: This agreement will be governed and construed according to the laws of the State of Texas. This agreement is performable in Panola County, Texas.

ASSIGNMENT: The successful bidder shall not sell, assign, transfer or convey this contract, in whole or in part, without the prior written consent of Panola County

SILENCE OF SPECIFICATIONS. The apparent silence of these specifications as to any detail or to the apparent omission from it of a 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 statement.

Each insurance policy to be furnished by successful bidder shall include, by endorsement to the policy, a statement that a notice shall be given to Panola County by certified mail thirty (30) days prior to cancellation or upon any material change in coverage.

**ANY VENDOR THAT CONDUCTS BUSINESS WITH PANOLA COUNTY, WHETHER IT IS FOR GOODS AND/OR SERVICES, MUST MAINTAIN LAWFUL WORKER'S COMPENSATION COVERAGE REQUIREMENTS AND ADEQUATE LIABILITY LIMITATIONS.**

ANY QUESTIONS concerning this INVITATION TO BID AND SPECIFICATIONS should be directed to Airport Manager John DePresca, Jr. at (903) 693-7856 or Panola County Commissioner Ronnie LaGrone at (903) 692-2487.

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Signature of Bidder

**Contract Documents and  
Specifications for AWOS  
Installation Project**

**For  
Panola County-Sharpe Field Airport  
Carthage, Texas**

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**Panola County-Sharpe Field Airport**

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# **COUNTY OF PANOLA**

## **CARTHAGE, TEXAS**

### **NOTICE TO BIDDERS**

In accordance with Texas Local Government Code, Chapter 262, Subchapter C, the Commissioners Court of Panola County, Texas will receive sealed bids for the siting, licensing and installation of Automated Weather Observation System III with Present Weather Sensor, Thunder Strike Alert (A WOS III PT) for Panola County Airport Sharpe Field. Bids will be received at the office of County Judge Lee Ann Jones, Room 216-A, Panola County Courthouse, Carthage, Texas 75633 until February 8, 2016, at 9:00 o'clock a.m. at which time bids will be opened in the Commissioners' Courtroom, Panola County Courthouse, Carthage, Texas during the Commissioners Court meeting. Any bid received after closing time will be returned unopened.

In general, the Aviation Construction work consists of: Siting, Licensing, and Installation of Automated Weather Observation Systems III PT. The system shall be installed in accordance with this specification and as approved in Federal Aviation Administration Advisory Circular 150/5220-16, latest version and FAA Order 6560-20B, or latest version.

Bidding documents may be examined at: Panola County Courthouse, Office of County Judge Lee Ann Jones, 110 S. Sycamore, Room 216-A, Carthage, Texas 75633 or Panola County's website at [www.co.panola.tx.us](http://www.co.panola.tx.us). Panola County does not have a purchasing agent therefore contact the County Judge at (903) 693-0391.

Technical questions concerning the specifications should be directed to John Depresca Jr. at the Panola County Airport at (903) 693-7856 or Ronnie LaGrone, Commissioner Pct.1 (903) 692-2487.

Minimum wage rates have been predetermined as required by law and are set forth in the specifications.

Cashier's check, money order, or teller's check drawn by or on a state or national bank, a savings and loan association, or a state or federally chartered credit union (collectively referred to as "bank") in the amount of two percent (2%) of the total bid price stated in the bid, made payable without recourse to the Owner or a bid bond in the same amount from a reliable corporate surety authorized to do business in the State of Texas and acceptable to the Owner, must accompany each bid as a guarantee that the bidder, if successful, will enter into a contract, and make bond in accordance with the requirements of the specifications. The Owner reserves the right to retain any check, bank money order or bank draft as liquidated damages in the event the bidder withdraws its bid after the bid opening and before official rejection of the bid by the Owner, or, if successful in securing the award of the contract, the successful bidder fails to enter into the contract and fails to furnish satisfactory performance and payment bonds.

The successful bidder will be required to furnish Performance Bond and Payment Bond, each in the full amount of the contract price, executed by a surety company or surety companies

authorized to execute surety bonds under and in accordance with the laws of the State of Texas.

The proposed contract is subject to the Vernon Texas Civil Statutes, Article 601.b concerning the participation of Historically Underutilized Business. HUB goal is set at 0%.

The Owner reserves the right to reject any irregular bid and the right to waive technicalities if such waiver is in the best interest of the Owner and conforms to State and local laws and ordinances pertaining to the letting of construction contracts.

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

Bids are to be on the unit price basis. A contract will be awarded to the successful bidder in accordance with the above mentioned Local Government Code. Payment will be made by check after receiving the above mentioned products, equipment and/or services and upon approval of bill or invoice by the Commissioners Court.

The Court reserves the right to accept or reject any and/or all bids.

Sidney Burns, County Auditor  
Panola County, Texas

## BIDDER QUALIFICATIONS

### I. QUALIFICATIONS

- A. Each Bidder shall furnish the Owner satisfactory evidence of the Bidder's competency to perform the proposed work. Such evidence of competency shall consist of statements covering the Bidder's past experience on similar work, a list of equipment that would be available for the work, and a list of key personnel that would be available.
- B. In addition, each Bidder shall furnish the Owner satisfactory evidence of the Bidder's financial responsibility. Such evidence shall consist of a confidential statement or report of the Bidder's financial resources and liabilities as of the last calendar year or the Bidder's last fiscal year. Such statements or reports shall be prepared by a public accountant. At the time of submitting such financial statements or reports, the Bidder shall further certify whether the Bidder's financial responsibility is approximately the same as stated or reported by the public accountant. If the Bidder's financial responsibility has changed, the Bidder shall qualify the public accountant's statement or report to reflect the Bidder's true financial condition at the time such qualified statement or report is submitted to the Owner.
- C. The Bidder shall provide a listing of both automobile and personal liability insurance coverage currently in force, along with a copy of a Certificate of Insurance as verification of that coverage.

### II. SUBMISSION OF QUALIFICATIONS

- A. Each bidder shall submit the Bidder's "evidence of competency", "evidence of financial responsibility", and "evidence of insurance coverage" for "worker's compensation, commercial general liability and Texas business automobile" to the Owner at the date, time and location specified for opening bids. These items shall be submitted in the envelope with your bid marked with project number, location of airport, and name and business address of the bidder.
- B. Bids that do not include the qualification requirements listed above will be considered non-responsive and therefore disqualified.
- C. BIDS SUBMITTED WITHOUT SUBMISSION OF ALL QUALIFICATIONS WILL NOT BE READ.

## **INSTRUCTIONS TO BIDDERS**

IB-1. The Owner requires that Bidder shall reference the Aviation Division General Construction Contract Provisions, volume dated February 2013, for all general contract provisions. General Construction Contract Provisions may be obtained at TxDOT, Aviation Division, 150 E. Riverside Drive, South Tower, Fifth Floor, Austin, Texas 78704; Use latest version of referenced Advisory Circulars.

IB-2. The Bidder shall refer to: **BIDDER QUALIFICATIONS** section of the bid document.

IB-3. The Bidder shall submit the completed bid either on the form furnished by The Owner or by submitting an electronically printed version. All blank spaces in the bid form must be correctly filled in where indicated for each and every item for which a quantity is given. The Bidder shall state the price (written in ink) BOTH in words and numerals for each pay item furnished in the bid. In case of conflict between words and numerals, the words, unless obviously incorrect, shall govern.

The Bidder may also submit an electronically printed bid. The bid must have pay items in the same order and with the exact information as found on the Owner's bid form. The Bidder is responsible for incorrect information and will be considered non-responsive if pay items are changed in wording or order on the electronically printed form. Electronically printed bids are not required to have the unit prices written in words. Electronically printed bid may not be submitted electronically.

The Bidder shall sign the bid in ink. If the bid is made by an individual, the individual's name and address must be shown. If made by a partnership, the name and address of each member of the partnership must be shown. If made by a corporation, the person signing the bid shall give the name of the state under the laws of which the corporation was chartered and the name, titles, and business address of the president, secretary, and the treasurer.

IB-4. The Bidder shall submit completed copies of all items identified under "Bidder Qualifications". Bids received without Bidder Qualifications will not be read.

IB-5. Receipt of all addenda issued shall be acknowledged by the Bidder in the space provided on the bid form.

IB-6. Bids may be rejected if they show any alteration of words or figures, additions not called for, conditional or uncalled for alternate bids, incomplete bids, any alteration of words or figures or erasures not initialed by the person or persons signing the bid, or irregularities of any kind.

IB-7. The bid shall be accompanied by a Bid Guarantee of the character and in the amount as indicated in the bid.

IB-8. Any questions arising during the advertising period as to meaning or intent of the specifications will be answered by an addendum prepared by the Owner. Contractor will be responsible for obtaining addenda at our website: [www.co.panola.tx.us](http://www.co.panola.tx.us). All addenda issued shall become a part of the contract documents.

Bidders are responsible for checking this website regularly for any changes to the bid documents, such as Addendums.

IB-9. Each bid submitted shall be placed in a sealed envelope plainly marked with the project number, location of airport, and name and business address of the Bidder on the outside. When sent by mail, preferably registered, the sealed bid, marked as indicated above, should be enclosed in an additional envelope. Bids, which are transmitted by telephone, by telegraph or by electronic means, will not be accepted.

IB-10. No bid will be considered unless received at the place specified in the advertisement before the time specified for opening all bids. Bids received after the bid opening time shall be returned to the Bidder unopened.

IB-11. Bids will be opened and read publicly at the time and place indicated in the Notice to Bidders.

**BID**

Project Description: Siting, Licensing and Installation of the Automated Weather Observation Systems III.

Bid by: Name of Bidder \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail Address \_\_\_\_\_

Pursuant to the foregoing Instruction to Bidders, the undersigned bidder having examined the plans and specifications with related documents and the site of the proposed work, and being familiar with all the conditions surrounding the construction of the project hereby proposes to furnish all necessary superintendence, labor, machinery, equipment, tools, materials and supplies to complete all the work upon which is bid in accordance with the contract documents, within the time set forth and at the prices stated below:

Base Bid					
Item	Qty	Unit	Description Written & Numeric <u>Unit Price</u>	Unit Price	Total Price
1	1	LS	AWOS III, with a self-supporting tower, installed complete in place including site selection, site approval by TxDOT and FAA, and acquisition of FCC licensing, according to specification  _____ dollars _____ cents	\$ _____	\$ _____
2	1	LS	One year of AWOS maintenance that meets the requirements of FAA AC No. 150/5220-16 (latest revision)  _____ dollars _____ cents	\$ _____	\$ _____
3	1	LS	NADIN/WMSCR Interface Equipment  _____ dollars _____ cents	\$ _____	\$ _____

Total Base Bid \$ \_\_\_\_\_

<b>Additive Alternate Bid 1-3</b>					
<b>Items below should be bid with the option to award depending on the availability of funds</b>					
<b>Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Description</b> <b>Written &amp; Numeric <u>Unit Price</u></b>	<b>Unit Price</b>	<b>Total Price</b>
A1	1	EA	Present Weather Sensor _____ dollars _____ cents	\$ _____	\$ _____
A2	1	EA	Thunder Strike Alert _____ dollars _____ cents	\$ _____	\$ _____
A3	1	EA	Upgrade to Ultra Sonic Wind Sensor _____ dollars _____ cents	\$ _____	\$ _____

Total Bid \$ \_\_\_\_\_

It is understood the quantities of work to be done at unit prices are approximate and are intended for bidding purposes only. Amounts are to be shown in both words and numbers. In case of discrepancy the unit price amount shown in words shall govern. Bidders shall bid on the Base Bid and Additive Alternates 1 and 2. Bidders may bid on Alternate Number 3.

The Owner reserves the right to award to the lowest responsible bidder for any combination of the base bid and alternates in order to obtain the best value for the owner per Government Code Section 2156.007 (d). Funding availability will be considered in selecting the bid award.

Bidder hereby agrees to commence work under this contract on or before a date to be specified in a written "Notice to Proceed" for installation of the equipment. Following issuance of the written "Notice to Proceed" for installation, installation shall be completed within 90 calendar days thereafter. Bidder further agrees to pay as liquidated damages the sum of \$200.00 for each consecutive calendar day to complete the work beyond the allotted time or as extended by an approved change Order.

Bidder understands the Owner reserves the right to reject any irregular bid and the right to waive technicalities if such waiver is in the best interest of the Owner and conforms to State and local laws and ordinances pertaining to the letting of construction contracts. The bidder agrees this bid

shall be good and may not be withdrawn for a period of 60 calendar days after the scheduled closing time for receiving bids.

Upon receipt of the written "Notice of Award", the bidder will execute the formal contract agreement within 14 days and deliver a surety bond or bonds as required under the contract documents. The bid security attached in the sum of 2% of the total bid price \_\_\_\_\_ is to become the property of the Owner in the event the contract is not executed as set forth in the contract documents as liquidated damages for the delay and additional expense caused thereby.

\_\_\_\_\_  
Signature Title

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

\_\_\_\_\_  
Mailing Address City, State, Zip Code

**Addendum:**

The undersigned Bidder certifies that he has acknowledged the addendum(s) to the contract as indicated below.

Addendum No. \_\_\_\_\_ dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ dated \_\_\_\_\_

**Qualification Acknowledgment:**

\_\_\_\_\_ I have enclosed qualification statements.

**Qualification Acknowledgment Signature:**

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
City, State, Zip Code

## AWOS Technical Specifications

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### 1. Project Description:

- 1.1. The project shall consist of furnishing and installing an Automated Weather Observing Systems III with optional Present Weather Sensor and Thunder Strike Alert components (AWOS III P/T) at the Panola County Airport, Sharpe Field. The Vendor will work with the Owner/State to select the best site for the system in accordance with FAA Order 6560-20 (latest revision), "Siting Criteria for Automated Weather Observation Systems". The system shall be installed in accordance with Federal Aviation Administration Advisory Circular 150/5220-16, (latest revision), "Automated Weather Observing Systems (AWOS) for Non-federal Applications" and as indicated in this specification.

The system as installed will include all labor, equipment, materials, peripherals, training, services, one year warranty, one year of AWOS System Maintenance, and incidentals as necessary to place the system in operation to the satisfaction of the Owner/State and be ready for commissioning by the Federal Aviation Administration (FAA). Vendor shall have FAA certification for the AWOS III P/T at time of bid submittal and will provide copies of such approval with their bid submittal.

- 1.2. The Vendor shall utilize an established and proven equipment configuration.
- 1.3. The Vendor shall provide for one year of AWOS System Maintenance as required by FAA AC No. 150/5220-16 (latest revision). The initial one year of AWOS System Maintenance will not include any repairs of the system under the one year warranty for the installed system. Entire system shall be installed and operating in test mode, with an AWOS System Maintenance Contract in place before the FAA commissioning visit is scheduled. The effective start date of the one year AWOS System Maintenance Contract will be the date the AWOS is commissioned by the FAA.
- 1.4. Vendor shall prepare the Memorandum of Agreement (MOA) and Operations and Maintenance Manual (OMM) as required by FAA Order 6700.20 for owner signature before scheduling FAA commissioning ground inspection and any other checks required before the AWOS can be authorized to operate.
- 1.5. The following documents shall be considered a part of these provisions:
- AC 150/5220-16, (latest revision) "Automated Weather Observing Systems for Non-Federal Applications"
  - FAA Order 6560.20, (latest revision) "Siting for Automated Weather Observing Systems"
  - AC 70/7460-1, (latest revision) "Obstruction Marking and Lighting"

- TxDOT Aviation Division General Construction Contract Provisions, Volume dated June 2005.

**2. Site Location:**

- 2.1. The Vendor shall comply with FAA Order 6560.20, (latest revision) "Siting for Automated Weather Observation."
- 2.2. Vendor shall consider location of available electrical power to reduce sponsor's cost for installation of power at the site when selecting the AWOS site.
- 2.3. The Vendor must submit locations to Owner/State for approval on furnished copy of Airport Layout Plans marked with latitude/longitude and elevation before submitting FAA Form 7460-1. Owner/State shall approve final site selection.
- 2.4. Site approval and documents/applications for the AWOS installation and VHF equipment will be submitted to the FAA and the FCC by the Vendor. If a UHF data link is used in place of the data/control cable connection to the AWOS processor, licensing of the UHF frequency is the responsibility of the Vendor.
- 2.5. The Vendor must notify Owner/State of telephone and electrical connection requirements for the selected AWOS site. Vendor shall coordinate location and requirements with owner so that necessary utility connections can be installed in sufficient time for the installation of the equipment.
- 2.6. Site selection shall be made and proper forms executed and filed with FAA within 90 days from notice to proceed for site selection. Owner/State review and approval will be in addition to the 90-day time frame.
- 2.7. Vendor shall notify Owner/State of any issues occurring with forms filed with FAA for the selected site, and any re-submission of site selection forms.
- 2.8. Vendor shall anticipate the possibility of multiple siting visits per airport, if necessary.

**3. FCC License(s)**

- 3.1. Vendor must submit necessary forms and acquire Federal Communications Commission License for an AWOS VHF broadcast license. If required, Vendor shall also submit all necessary forms and acquire FCC license for UHF license.
- 3.2. Vendor shall coordinate and monitor the receipt of the licenses with Owner/State and FCC to insure all necessary licenses are received. Vendor shall submit report to Owner/State with all FCC license call signs and expiration dates.

**4. Site Preparation:**

- 4.1 The Vendor shall provide all necessary site preparation work for installation of the AWOS, which includes, but is not limited to grading, leveling, grubbing, and making the site acceptable for installation of necessary foundations and equipment.
- 4.2 Electrical power supply and telephone line for the operation of the system shall be provided by the airport sponsor. The electrical power supply shall terminate with an electrical disconnect 25 feet from the designated installation location. The telephone line shall also terminate at this location in an appropriate box.
- 4.3 Vendor shall provide and install control and data cables in conduit from the AWOS CPU to remote sensors. RF transmitter and receiver shall be provided to the site by the Vendor, if required.
- 4.4 Vendor shall construct concrete foundations for tower base and other equipment. AWOS Manufacturer shall submit foundation drawings specific to selected site and equipment with specified concrete compressive strength and reinforcing requirements.
- 4.5 Following installation, site shall be cleaned, debris removed and surface leveled to that of surrounding areas to allow for mowing and maintenance of the area disturbed.

**5. Installation:**

- 5.1. Vendor shall not proceed with installation until approved schedule is developed and only following a notice to proceed by the Owner.
- 5.2 The work shall be performed by the AWOS manufacturer or approved contractor regularly engaged in work of this type, and shall include furnishing and installing the equipment, calibration, start-up, and commissioning of equipment.
- 5.3 Sensors shall be installed at the locations and elevations as approved by Owner/State and the Federal Aviation Administration. All connections of the cables to the sensors, AWOS tower, processing unit and data terminal will be in accordance with the manufacturer's specifications. VHF antenna shall be mounted at the AWOS site, unless other location is approved by Owner/State.

- 5.4 Vendor shall provide and install control and data cables in conduit from the AWOS CPU to remote sensors. RF transmitter and receiver shall be provided to the site by the Vendor, if required.
- 5.5 Vendor shall anticipate multiple installation visits as conditions dictate.

**6. Equipment:**

- 6.1. AWOS III Instrumentation: The systems to be installed shall be FAA certified as AWOS III or AWOS III P/T as finally configured at time of contract award. All equipment provided shall be new and meet the specifications in FAA AC 150/5220-16 (latest revision).

- 6.1.1. Tower: Vendor shall install either a self-supporting or a tilt-over tower as specified by manufacturer for the system and as indicated on the project specific bid form. The tilt-over tower shall have a steel supporting rest in a concrete foundation that is required to hold tower in its tilt-down position without touching ground. Either tower type shall not exceed the height specified for the equipment to be installed on the tower.

The tower shall be painted with a six-band marking with alternating bands of aviation surface orange (the top band) and white. The bandwidths shall be 1/6 of the height of the tower and perpendicular to the vertical axis of the tower with the bands at each end colored orange. Paint and aviation colors shall conform to Federal Standards. The tower shall be primed in accordance with the tower manufacturer's specifications prior to painting.

A Dual L-810 obstruction light shall be placed within 5 feet of the top of the tower in accordance with FAA requirements. The two lamps on the L810 shall be wired in parallel on a dedicated circuit.

- 6.1.2 Voice Subsystem: A. The voice subsystem shall provide high quality, computer-generated speech for output of the AWOS observation. The voice subsystem should also provide the speech for the local ground-air radio broadcast and for telephone dial-up users. The system shall have the capability of hooking up to a minimum of two (2) phone lines, and for the addition of a manually input voice message at the end of the computer generated voice message. The system shall have the capability of remotely programming a voice message via telephone. A security access code shall prevent unauthorized use, and the system will automatically play back the recorded message and allow the user to reprogram, delete, or accept the message.
- 6.1.3 Uninterruptible Power Supply: The Vendor shall provide a UPS to regulate power and provide a back-up power supply source for power outages. The UPS shall be capable of powering the AWOS for a minimum of one (1) hour.

- 6.1.4 NADIN/WMSCR Interface: The AWOS shall include equipment for interfacing with a Vendor that is approved to download information through the National Airspace Data Interchange Network (NADIN) and into the Weather Message Switching Center Replacement (WMSCR).
- 6.1.5 Transient and Lightning Protection: AWOS equipment should be protected against damage or operational upset due to lightning surges, power line transients and surges, and from other electromagnetic fields and charges on all sensor input lines, sensor supply lines, and incoming power and data communications lines. Lightning protection systems shall be designed and installed in accordance with the Lightning Protection Code, NFPA 780, and the manufacturer recommendations for all equipment.
- 6.1.6 Test Equipment: The Contractor shall supply the Owner with the necessary test equipment to maintain the AWOS weather sensors according to the manufacturer's FAA approved maintenance plan.
- 6.1.7 Spare Components: The Contractor shall provide the Owner with the manufacturer's minimum recommended spare components necessary to restore the AWOS to service following a malfunction.
- 6.1.8 Maintenance Agreement: The Vendor shall provide a one (1) year AWOS maintenance agreement that meets the requirements of FAA AC No. 150/5220-16 (latest revision) and begins on the date of FAA commissioning. The maintenance agreement shall include all required inspections and maintenance as defined by AC No. 150/5220-16 (latest revision), but will not include any repairs made under the one year warranty for the installed system.

## 7. Additional Services

- 7.1. The Vendor will perform the following:
- a. Conduct all required systems performance tests. System must be in total working condition before scheduling FAA site commissioning. If multiple FAA commissioning visits are necessary, Vendor shall reimburse other contractors, the FAA, and the owner for associated additional travel costs if requested.
  - b. Prepare the AWOS for the FAA ground check. Place and keep the AWOS in an operational test mode until it is certified by the FAA. If the FAA disapproves either the ground check or flight check, the Vendor shall correct the discrepancies and re-schedule the FAA ground or flight check.
  - c. Provide a qualified technician on site for any required FAA ground check, flight check, and site commissioning of the AWOS.

- d. Post any certificates and notices required in AC 150/5220-16, (latest version).
- e. Vendor to schedule a session after commissioning at the airport to provide complete system operation, maintenance, and repair training. Vendor will ensure that all airport representatives and operators as designated by the owner are notified of the training session, and will personally conduct the training on site.
- f. Provide one complete set of AWOS system manuals to the owner.

**8. Basis of Payment**

**8.1 Siting, Licensing and Installation:**

- a. Vendor shall be paid for the installed AWOS system less 5% retainage. Each system shall be installed in accordance with the Plans and General and Special Provisions. The unit price shall be full compensation for all labor, equipment, materials, peripherals, training, services, one year warranty, one year of AWOS System Maintenance, and incidentals as necessary to place the system in operation to the satisfaction of the Owner/State and be ready for commissioning by the Federal Aviation Administration.
- b. The contractor is eligible to receive payment up to 95% of the contract amount pending final inspection and acceptance by Owner/State. Release of final payment does not release Vendor of obligation to have equipment certified and commissioned by FAA. Vendor shall correct, repair and/or replace any equipment necessary to have equipment commissioned by FAA. Vendor is not released from this contract until final commissioning of the system.
- c. Vendor shall make all necessary repairs, corrections, changes, and modifications to the AWOS system before acceptance by Owner/State. The airport owner should not be relied upon at any time to assist or make the necessary repairs, corrections, changes, or modifications.

**WAGE RATES FOR EACH COUNTY AVAILABLE AT  
<http://www.wdol.gov/dba.aspx#0>**

Construction Type: Highway

Counties: Anderson, Angelina, Bosque, Camp, Cass, Cherokee, Erath, Falls, Fannin, Franklin, Freestone, Grimes, Hamilton, Henderson, Hill, Hood, Hopkins, Houston, Jack, Jasper, Lamar, Leon, Limestone, Madison, Marion, Milam, Morris, Nacogdoches, Navarro, Newton, Palo Pinto, Panola, Polk, Rains, Red River, Sabine, San Augustine, Shelby, Somervell, Titus, Trinity, Tyler, Van Zandt, Walker, Washington and Wood Counties in Texas.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number	Publication Date
0	01/02/2015

\* SUTX2011-009 08/08/2011

	Rates	Fringes
CONCRETE FINISHER (Paving and Structures).....	\$ 13.38	
ELECTRICIAN.....	\$ 20.92	

FORM BUILDER/FORM SETTER

Paving & Curb.....\$ 11.33  
Structures.....\$ 13.07

LABORER

Asphalt Raker.....\$ 11.34  
Flagger.....\$ 9.03  
Laborer, Common.....\$ 10.30  
Laborer, Utility.....\$ 11.53  
Pipelayer.....\$ 13.24  
Work Zone Barricade  
Servicer.....\$ 11.22

POWER EQUIPMENT OPERATOR:

Agricultural Tractor.....\$ 12.35  
Asphalt Distributor.....\$ 14.36  
Asphalt Paving Machine.....\$ 12.92  
Broom or Sweeper.....\$ 10.30  
Concrete Pavement  
Finishing Machine.....\$ 19.31  
Concrete Paving, Curing,  
Float, Texturing Machine....\$ 16.34  
Crane, Hydraulic 80 Tons  
or Less.....\$ 20.21  
Crane, Lattice boom 80  
Tons or less.....\$ 14.67  
Crane, Lattice boom over  
80 Tons.....\$ 17.49  
Crawler Tractor.....\$ 13.38  
Excavator 50,000 pounds or  
less.....\$ 13.88  
Excavator, Over 50,000  
pounds.....\$ 16.22  
Foundation Drill, Truck  
Mounted.....\$ 20.76  
Front End Loader 3 cu yd  
or Less.....\$ 12.89  
Front End Loader, over 3  
cu yd.....\$ 12.32  
Loader/Backhoe.....\$ 12.87  
Mechanic.....\$ 18.58  
Milling Machine.....\$ 12.86  
Motor Grader, Fine Grade....\$ 17.07  
Motor Grader, Rough.....\$ 15.12  
Pavement Marking Machine....\$ 13.17  
Reclaimer/Pulverizer.....\$ 10.46

Roller, Asphalt.....\$ 11.68  
 Roller, other.....\$ 10.30  
 Scraper.....\$ 12.43  
 Spreader Box.....\$ 13.68

Servicer.....\$ 13.83

Steel Worker (Reinforcing).....\$ 15.83

TRUCK DRIVER

Lowboy-Float.....\$ 14.30  
 Off Road Hauler.....\$ 12.23  
 Single Axle.....\$ 10.30  
 Single or Tandem Axle Dump..\$ 12.28  
 Tandem Axle Tractor with  
 Semi Trailer.....\$ 12.50

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or

"UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date

for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor

200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

**Insert most recent ALP and property map (TxDOT AVN will provide)**

