

STATE OF UTAH



SOLICITATION NO. DR1219

Airport Surveying Service

RESPONSES ARE DUE PRIOR TO:

Jul 22, 2009 2:00:00 PM MDT

RESPONSES MAY BE SUBMITTED ELECTRONICALLY TO:

www.bidsync.com

RESPONSES MAY BE MAILED OR DELIVERED TO:

State of Utah
Division of Purchasing
3150 State Office Building, Capitol Hill
Salt Lake City, Utah 84114-1061

Bid DR1219 Airport Surveying Service

Bid Number	DR1219
Bid Title	Airport Surveying Service
Bid Start Date	Jun 23, 2009 7:22:03 AM MDT
Bid End Date	Jul 22, 2009 2:00:00 PM MDT
Question & Answer End Date	Jul 15, 2009 12:00:00 PM MDT
Bid Contact	Dan Reisner Purchasing Manager State Purchasing dreisner@utah.gov
Contract Duration	One Time Purchase
Contract Renewal	Not Applicable
Prices Good for	90 days
Bid Comments	Questions are to be submitted through BidSync.

Item Response Form

Item	DR1219-1-01 - Surveying Services for Delta Airport
Quantity	1 fee
Unit Price	
Delivery Location	State of Utah <u>No Location Specified</u>
	Qty 1
Description	Surveying Services for Delta Airport.



State of Utah Invitation to Bid

Legal Company Name (include d/b/a if applicable) 		Federal Tax Identification Number 		State of Utah Sales Tax ID Number 	
Ordering Address 		City 		State 	Zip Code
Remittance Address (if different from ordering address)		City 		State 	Zip Code
Type: ☐ Corporation ☐ Partnership ☐ Proprietorship ☐ Government		Company Contact Person 			
Telephone Number (include area code) 	Fax Number (include area code) 	Email Address 			
Discount Terms (for bid purposes, bid discounts less than 30 days will not be considered) ttt		Days Required for Delivery After Receipt of Order (see attached for any required minimums) ttt			
Brand/Trade Name 		Price Guarantee Period (see attached specifications for any required minimums)			
Minimum Order 		Company's Internet Web Address 			
The undersigned certifies that the goods or services offered are produced, mined, grown, manufactured, or performed in Utah. Yes ☐ No ☐ . If no, enter where produced, etc. 					
Offeror=s Authorized Representative=s Signature 			Date 		
Type or Print Name 			Position or Title 		

INVITATION TO BID - INSTRUCTIONS AND GENERAL PROVISIONS

1. SUBMITTING THE BID: (a) The Utah Division of Purchasing and General Services (DIVISION) prefers that bids be submitted electronically. Electronic bids may be submitted through a secure mailbox at BidSync (formerly RFP Depot, LLC) www.bidsync.com until the date and time as indicated in this document. It is the sole responsibility of the supplier to ensure their bid reaches BidSync before the closing date and time. There is no cost to the supplier to submit Utah's electronic bids via BidSync. (b) Electronic bids may require the uploading of electronic attachments. The submission of attachments containing embedded documents is prohibited. All documents should be attached as separate files. (c) If the supplier chooses to submit the bid directly to the DIVISION in writing: The bid must be signed in ink, sealed in a properly addressed envelope, and delivered to the Division of Purchasing, 3150 State Office Building, Capitol Hill, Salt Lake City, UT 84114-1061 by the "Due Date and Time." The "Bid Number" and "Due Date" must appear on the outside of the envelope. All prices and notations must be in ink or typewritten. Each item must be priced separately. Unit price shall be shown and a total price shall be entered for each item bid. Errors may be crossed out and corrections printed in ink or typewritten adjacent and must be initialed in ink by person signing bid. Unit price will govern, if there is an error in the extension. Written bids will be considered only if it is submitted on the forms provided by the DIVISION. (d) Bids, modifications, or corrections received after the closing time on the "Due Date" will be considered late and handled in accordance with the Utah Procurement Rules, section R33-3-109. (e) Facsimile transmission of bids to DIVISION will not be considered.

2. BID PREPARATION: (a) Delivery time is critical and must be adhered to as specified. (b) Wherever in this document an item is defined by using a trade name of a manufacturer and/or model number, it is intended that the words, "or equivalent" apply. "Or equivalent" means any other brand that is equal in use, quality, economy and performance to the brand listed as determined by the DIVISION. If the supplier lists a trade name and/or catalog number in the bid, the DIVISION will assume the item meets the specifications unless the bid clearly states it is an alternate, and describes specifically how it differs from the item specified. All bids must include complete manufacturer's descriptive literature if quoting an equivalent product. All products are to be of new, unused condition, unless otherwise requested in this solicitation. (c) By submitting the bid the supplier certifies that all of the information provided is accurate, that they are willing and able to furnish the item(s) specified, and that prices quoted are correct. (d) This bid may not be withdrawn for a period of 60 days from bid due date.

3. FREIGHT COST: (a) Where "Freight Cost" is listed as a separate line item, suppliers are to provide product line item pricing FOB Origin Less Freight. On the line item for "Freight Cost" suppliers are to indicate the total freight cost FOB Destination Freight Prepaid, and complete the "Freight Information" document. The DIVISION will analyze freight charges separately from the item cost and determine how the shipment will be routed (either by the supplier, or by the State's carrier). (b) Where there is not a line item for "Freight Cost", suppliers are to provide line item pricing FOB Destination Freight Prepaid. Unless otherwise indicated on the contract/purchase order, shipping terms will be FOB Destination Freight Prepaid.

4. SOLICITATION AMENDMENTS: All changes to this solicitation will be made through written addendum only. Answers to questions submitted through RFP Depot shall be considered addenda to the solicitation documents. Bidders are cautioned not to consider verbal modifications.

5. PROTECTED INFORMATION: Suppliers are required to mark any specific information contained in their bid which they are claiming as protected and not to be disclosed to the public or used for purposes other than the evaluation of the bid. Each request for non-disclosure must be made by completing the "Confidentiality Claim Form" located at: <http://www.purchasing.utah.gov/contract/documents/confidentialityclaimform.doc> with a specific justification explaining why the information is to be protected. Pricing and service elements of any bid will not be considered proprietary. All material becomes the property of the DIVISION and may be returned only at the DIVISION's option. Bids submitted may to be reviewed and evaluated by any persons at the discretion of the DIVISION.

6. SAMPLES: Samples of item(s) specified in this bid, when required by DIVISION, must to be furnished free of charge to DIVISION. Any item not destroyed by tests may, upon request made at the time the sample is furnished, be returned at the bidder's expense.

7. AWARD OF CONTRACT: (a) The contract will to be awarded with reasonable promptness, by written notice, to the lowest responsible bidder that meets the specifications. Consideration will to be given to the quality of the product(s) to be supplied, conformity to the specifications, the purpose for which required, delivery time required, discount terms and other criteria set forth in this invitation to bid. (b) The bids are opened

publicly. The name of each bidder and the amount of the bid is recorded. Each bid, and the record, is open to public inspection. (c) The DIVISION may accept any item or group of items, or overall low bid. The DIVISION has the right to cancel this invitation to bid at any time prior to the award of contract. (d) The DIVISION can reject any or all bids, and it can waive any informality, or technicality in any bid received, if the DIVISION believes it would serve the best interest of the State. (e) Before, or after, the award of a contract the DIVISION has the right to inspect the bidder's premises and all business records to determine the holder's ability to meet contract requirements. (f) DIVISION does not guarantee to make any purchase under awarded contract (s). Estimated quantities are for bidding purposes only, and not to be interpreted as a guarantee to purchase any amount. (g) Utah has a reciprocal preference law which will to be applied against bidders bidding products or services produced in states which discriminate against Utah products. For details see Section 63G-6-404 and 63G-6-405, Utah Code Annotated. (h) Bid tabulations and awards are posted <http://purchasing.utah.gov/vendor/bidtab.html> (i) Multiple contracts may be awarded if the DIVISION determines it would be in its best interest.

8. DIVISION APPROVAL: Purchase orders placed, or contracts written, with the State of Utah, as a result of this bid, will not be legally binding without the written approval of the director of the DIVISION.

9. DEBARMENT: The CONTRACTOR certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract) by any governmental department or agency. If the CONTRACTOR cannot certify this statement, attach a written explanation for review by the DIVISION.

10. ENERGY CONSERVATION AND RECYCLED PRODUCTS: The contractor is encouraged to offer Energy Star certified products or products that meet FEMP (Federal Energy Management Program) standards for energy consumption. The State of Utah also encourages contractors to offer products that are produced with recycled materials, where appropriate, unless otherwise requested in this solicitation.

11. GOVERNING LAWS AND REGULATIONS: All State purchases are subject to the Utah Procurement Code, Title 63 Chapter 56 U.C.A. 1953, as amended, and the Procurement Rules as adopted by the Utah State Procurement Policy Board. These are available on the Internet at www.purchasing.utah.gov.

12. SALES TAX ID NUMBER: Utah Code Annotated (UCA) 59-12-106 requires anyone filing a bid with the state for the sale of tangible personal property or any other taxable transaction under UCA 59-12-103(1) to include their Utah sales tax license number with their bid. For information regarding a Utah sales tax license see the Utah State Tax Commission's website at www.tax.utah.gov/sales. The Tax Commission is located at 210 North 1950 West, Salt Lake City, UT 84134, and can be reached by phone at (801) 297-2200.

(Revision: 22 October 2008 - ITB Instructions)

STATE OF UTAH | DIVISION OF PURCHASING
 3150 State Office Building, Salt Lake City, Utah 84114-1061 Telephone (801) 538-3026, Fax (801) 538-3882

PURCHASE ORDER CONTRACT: TERMS AND CONDITIONS

ACCEPTANCE OF THIS PURCHASE ORDER BINDS THE CONTRACTOR TO ALL THESE TERMS AND CONDITIONS AND ALL THE TERMS, CONDITIONS AND PROVISIONS INCLUDED IN THE SOLICITATION THE DIVISION OF PURCHASING OFFERED RELATING TO THIS PURCHASE ORDER.

1. **AUTHORITY:** Provisions of this Purchase Order are pursuant to the authority set forth in the Utah Procurement Code, 63G-6, Utah Code Annotated (U.C.A.) 1953, as amended, and the Utah State Procurement Rules and Regulations. Any and all supplies, services and equipment furnished will comply fully with all applicable Federal and State laws and regulations.

2. **CONTRACT JURISDICTION, CHOICE OF LAW, AND VENUE:** The provisions of this Purchase Order shall be governed by the laws of the State of Utah. The parties will submit to the jurisdiction of the courts of the State of Utah for any dispute arising out of this Purchase Order or the breach thereof. Venue shall be in Salt Lake City, in the Third Judicial District Court for Salt Lake County.

3. **RECORDS ADMINISTRATION:** The Contractor shall maintain, or supervise the maintenance of all records necessary to properly account for the payments made to the Contractor for costs authorized by this Contract for at least four years. The Contractor agrees to allow State and Federal auditors, and State Agency Staff, access to all the records to this Contract, for audit and inspection, and monitoring of services. Such access will be during normal business hours, or by appointment.

4. **CERTIFY REGISTRATION AND USE OF EMPLOYMENT "STATUS VERIFICATION SYSTEM":** The Status Verification System, also referred to as "E-verify", only applies to contracts issued through a Request for Proposal process, and to sole sources that are included within a Request for Proposal. It does not apply to Invitation to Bids nor to the Multi-Step Process.

4.1 Status Verification System

1. Each offeror and each person signing on behalf of any offeror certifies as to its own entity, under penalty of perjury, that the named Contractor has registered and is participating in the Status Verification System to verify the work eligibility status of the contractor's new employees that are employed in the State of Utah in accordance with UCA Section 63G-11-103.

2. The Contractor shall require that the following provision be placed in each subcontract at every tier: "The subcontractor shall certify to the main (prime or general) contractor by affidavit that the subcontractor has verified through the Status Verification System the employment status of each new employee of the respective subcontractor, all in accordance with Section 63G-11-103 and to comply with all applicable employee status verification laws. Such affidavit must be provided prior to the notice to proceed for the subcontractor to perform the work."

3. The State will not consider a proposal for award, nor will it make any award where there has not been compliance with this Section.

4. Manually or electronically signing the Proposal is deemed the Contractor's certification of compliance with all provisions of this employment status verification certification required by all applicable status verification laws including UCA Section 63G-11-103.

4.2 Indemnity Clause for Status Verification System

1. Contractor (includes, but is not limited to any Contractor, Design Professional, Designer or Consultant) shall protect, indemnify and hold harmless, the State and its officers, employees, agents, representatives and anyone that the State may be liable for, against any claim, damages or liability arising out of or resulting from violations of the above Status Verification System Section whether violated by employees, agents, or contractors of the following: (a) Contractor; (b) Subcontractor at any tier; and/or (c) any entity or person for whom the Contractor or Subcontractor may be liable.

2. Notwithstanding Section 1. above, Design Professionals or Designers under direct contract with the State shall only be required to indemnify the State for a liability claim that arises out of the design professional's services, unless the liability claim arises from the Design Professional's negligent act, wrongful act, error or omission, or other liability imposed by law except that the design professional shall be required to indemnify the State in regard to subcontractors or subconsultants at any tier that are under the direct or indirect control or responsibility of the Design Professional, and includes all independent contractors, agents, employees or anyone else for whom the Design Professional may be liable at any tier.

5. **CONFLICT OF INTEREST AND PROCUREMENT ETHICS:** The Contractor represents that none of its officers or employees are officers or employees of the State of Utah, unless disclosure has been made in accordance with 67-16-8, U.C.A., 1953, as amended. Further, Contractor certifies that it has not offered or given any gift or compensation prohibited by 67-16-5, U.C.A., 1953, as amended, to any officer or employee of the State of Utah to secure favorable treatment with respect to being awarded this Purchase Order.

6. **INDEPENDENT CONTRACTOR:** The Contractor shall be an independent contractor, and as such shall have no authorization, express or implied, to bind the State to any agreements, settlements, liability, or understanding whatsoever, and agrees not to perform any acts as agent for the State, except as herein expressly set forth. Compensation stated herein shall be the total amount payable to the Contractor by the State. The Contractor shall be responsible for the payment of all income tax and social security amounts due as a result of payments received from the State for these contract services. Persons employed by the State and acting under the direction of the State shall not be deemed to be employees or agents of the Contractor.

7. **INDEMNITY:** The Contractor agrees to indemnify, save harmless, and release the State of Utah, and all its officers, agents, volunteers, and employees from and against any and all loss, damages, injury, liability, suits, and proceedings arising

out of the performance of this contract which are caused in whole or in part by the negligence of the Contractor's officers, agents, volunteers, or employees, but not for claims arising from the State's sole negligence.

8. EQUAL OPPORTUNITY CLAUSE: The Contractor agrees to abide by the provisions of Title VI and VII of the Civil Rights Act of 1964 (42USC 2000e) which prohibits discrimination against any employee or applicant for employment or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age; and Section 504 of the Rehabilitation Act of 1973; or the Americans with Disabilities Act of 1990 which prohibits discrimination on the basis of disabilities. Also, the Contractor agrees to abide by Utah's Executive Order, dated March 17, 1993, which prohibits sexual harassment in the workplace. Contractor must include this provision in every subcontract or purchase order relating to purchases by the State of Utah to insure that the subcontractors and vendors are bound by this provision.

9. SEPARABILITY CLAUSE: A declaration by any court, or any other binding legal source, that any provision of this contract is illegal and void shall not affect the legality and enforceability of any other provision of this contract, unless the provisions are mutually dependent.

10. CANCELLATION OR REVISION: This Purchase Order may be changed, revised or canceled only by the Division of Purchasing giving written notice to the Contractor.

11. DEBARMENT: The Contractor certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract), by any governmental department or agency. If the Contractor cannot certify this statement, attach a written explanation for review by the State. The Contractor must notify the State Director of Purchasing within 30 days if debarred by any governmental entity during the Contract period.

12. NONAPPROPRIATION OF FUNDS: The Contractor acknowledges that the State cannot contract for the payment of funds not yet appropriated by the Utah State Legislature. If funding to the State is reduced due to an order by the Legislature or the Governor, or is required by State law, or if federal funding (when applicable) is not provided, the State may terminate this contract or proportionately reduce the services and purchase obligations and the amount due from the State upon 30 days written notice. In the case that funds are not appropriated or are reduced, the State will reimburse Contractor for products delivered or services performed through the date of cancellation or reduction, and the State will not be liable for any future commitments, penalties, or liquidated damages.

13. SALES TAX EXEMPTION: The State of Utah's sales and use tax exemption number is **11736850-010-STC**. The tangible personal property or services being purchased are being paid from State funds and used in the exercise of that entity's essential functions. If the items being purchased are construction materials, they will be converted into real property by employees of this government entity, unless sales tax is included as a separate line item on this purchase order.

14. WARRANTY: The Contractor agrees to warrant and assume responsibility for all products (including hardware, firmware, and/or software products) that it licenses, contracts, or sells to the State of Utah under this contract for a period of one year, unless otherwise specified and mutually agreed upon elsewhere in this contract. The Contractor (seller) acknowledges that all warranties granted to the buyer by the Uniform Commercial Code of the State of Utah apply to this contract. Product liability disclaimers and/or warranty disclaimers from the seller are not applicable to this contract unless otherwise specified and mutually agreed upon elsewhere in this contract. In general, the Contractor warrants that: (1) the product will do what the salesperson said it would do, (2) the product will live up to all specific claims that the manufacturer makes in their advertisements, (3) the product will be suitable for the ordinary purposes for which such product is used, (4) the product will be suitable for any special purposes that the State has relied on the Contractor's skill or judgment to consider when it advised the State about the product, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the State has not been warned. Remedies available to the State include the following: The Contractor will repair or replace (at no charge to the State) the product whose nonconformance is discovered and made known to the Contractor in writing. If the repaired and/or replaced product proves to be inadequate, or fails of its essential purpose, the Contractor will refund the full amount of any payments that have been made. Nothing in this warranty will be construed to limit any rights or remedies the State of Utah may otherwise have under this contract.

15. PUBLIC INFORMATION: Contractor agrees that the Purchase Order, related Sales Orders, and Invoices will be public documents, and may be available for distribution. Contractor gives the State express permission to make copies of the Purchase Order, related Sales Orders, Invoices, and the response to the solicitation in accordance with the State of Utah Government Records Access and Management Act. The permission to make copies as noted will take precedence over any statements of confidentiality, proprietary information, copyright information, or similar notation.

16. DELIVERY: Orders must be shipped directly to ordering agency at address specified. Shipments must be made in accordance with the item(s) as described and priced on this order. Also, orders must be shipped F.O.B. Destination, Freight Prepaid, unless other shipping instructions are described in this order. **UNLESS INDICATED OTHERWISE, ALL ORDERS MUST BE SHIPPED PROMPTLY (WITHIN 5 WORKING DAYS), UPON RECEIPT OF ORDER.** Responsibility and liability for loss or damage will remain with Contractor until final inspection and acceptance when responsibility will pass to the State except as to latent defects, fraud and Contractor's warranty obligations.

17. PRICING AND INVOICING: Prices to be paid for item(s) ordered are the prices listed on this Purchase Order, which include all shipping and delivery charges, unless otherwise described on this order. **CONTRACTOR WILL, AFTER DELIVERY, PROMPTLY SUBMIT A CORRECT INVOICE (WITHIN 30 DAYS OF SHIPMENT OR DELIVERY OF SERVICES) TO THE ORDERING AGENCY.** Contractor agrees that the state has a right to adjust or return any invoice that reflects incorrect pricing. The Purchase Order number shall be listed on all invoices, freight tickets, and correspondence relating to the Purchase Order. Unless otherwise specified, payment terms shall be Net 30 days following the date the order is delivered or the date a correct invoice is received, whichever is later. Where prompt payment discounts apply, the period for computing a discount shall begin on the date a correct invoice, including any adjustment for

damage or incomplete shipment, is received by the state. Discount will be taken on the total amount of the invoice. All payments to the Contractor will be remitted by mail unless paid by the State of Utah's Purchasing Card (major credit card).

18. PATENTS, COPYRIGHTS, ETC.: The Contractor shall release, indemnify and hold the State, its officers, agents and employees harmless from liability of any kind or nature, including the Contractor's use of any copyrighted or un-copyrighted composition, secret process, patented or un-patented invention, article or appliance furnished or used in the performance of this contract.

19. DEFAULT AND REMEDIES: Any of the following events will constitute cause for the State to declare Contractor in default of the Contract: 1. Nonperformance of contractual requirements; 2. A material breach of any term or condition of this Contract. The State will issue a written notice of default providing a ten (10) day period in which Contractor will have an opportunity to cure. Time allowed for cure will not diminish or eliminate Contractor's liability for damages. If the default remains, after Contractor has been provided the opportunity to cure, the State may do one or more of the following: 1. Exercise any remedy provided by law; 2. Terminate this Contract; 3. Impose liquidated damages, if liquidated damages are listed in the contract; 4. Suspend Contractor from receiving future solicitations.

20. FORCE MAJEURE: Neither party to this contract will be held responsible for delay or default caused by fire, riot, acts of God and/or war which is beyond that party's reasonable control. The State may terminate this contract after determining such delay or default will reasonably prevent successful performance of the contract.

21. CONFLICT OF TERMS: Contractor Terms and Conditions that apply must be in writing and expressly approved in writing by the State Director of Purchasing. No other Terms and Conditions will apply to this contract including terms listed or referenced on a Contractor's website, terms listed in a Contractor quotation/sales order, etc. In the event of any conflict in the contract terms and conditions, the order of precedence shall be: 1. State Standard Terms and Conditions; 2. State Additional Terms and Conditions; 3. Contractor Terms and Conditions, if applicable.

(Revision date: 4 June 2009)

**DR1219 INVITATION TO BID
SPECIAL TERMS AND CONDITIONS
AIRPORT SURVEYING SERVICES – DELTA AIRPORT**

I. PURPOSE

The Utah Department of Transportation (UDOT), Division of Aeronautics is soliciting bids from qualified contractors for surveying services at Delta Municipal Airport (DTA) located in Delta, Utah.

II. SCOPE OF WORK

The surveying services are part of the task for the development of a Federal Aviation Administration (FAA) approved instrument approach and departure procedure. As part of the project, the selected contractor must install a Primary Airport Control Station (PACS) and two Secondary Airport Control Stations (SACS). The PACs and SACS are required by the FAA to serve as survey control, providing direct ties to the National Spatial Reference System (NSRS).

III. PERIOD OF PERFORMANCE

The contract resulting from this Invitation to Bid (ITB) will be a single award and that will terminate upon the completion of the airport survey services as stipulated in this bid.

IV. PRICING REQUIREMENTS

Contractors will submit bids as a total dollar amount for the total surveying project.

Required Deliverables

The contractor will prepare the required documents to process the project through the AGIS. The contractor will prepare and submit the Survey Work Plan (SWP), Survey Quality Control Plan (QCP), Imagery Acquisition Plan (IAP), Geodetic Control Plan (GCP), Final PACS and SACS Report, Final Imagery Report with orthoimagery, AutoCAD 18B compliant drawing and a Final Survey Report.

Deliver to: Utah Division of Aeronautics
 Attn: Mr. Kirk Nielsen
 135 North 2400 West
 Salt Lake City, Utah 84116

The State agrees to pay contractor for work performed upon verification and approval of invoice by the Division of Aeronautics.

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V. CONTRACTOR QUALIFICATIONS

Contractors must have experience in airport survey services and must submit a statement in their bid response stating their qualifications along with the names of the last two airport IAP surveys completed along with a contact name and telephone number from each airport. The Contractor agrees the State may call each airport as a reference to the work performed.

VI. SPECIFIC REQUIREMENTS

The selected contractor must understand the requirements in performing the necessary airport survey work in preparation for a new approach procedure and departure procedure into both the 17 & 35 approach ends of runway 17/35 at the Delta Municipal Airport.

The FAA is requiring an aeronautical survey that meets or exceeds the standards outlined in the following FAA Advisory Circulars:

Federal Aviation Administration. *Advisory Circular: General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Control and Submission to the National Geodetic Survey.* AC No. 150/5300-16A. Washington: September 15, 2007.

Federal Aviation Administration. *Advisory Circular: General Guidance and Specifications for Aeronautical Surveys: Airport Imagery Acquisition and Submission to the National Geodetic Survey.* AC No. 150/5300-17B. Washington: September 29, 2008.

Federal Aviation Administration. *Advisory Circular: General Guidance and Specifications for Aeronautical Surveys to NGS: Field Data Collection and Geographic Information System (GIS) Standards.* AC No. 150/5300-18B. Washington.

With further reference to AC No. 150/5300-18B, 2.7.1 Runways with Vertical Guidance (RVG). These specifications support the airport's planning and design activities for the development of vertically guided instrument approaches such as ILS, PAR MLS, LPV, TLS, RNP and Baro VNAV. It is our intention that a Runway with Vertical Guidance survey be completed for runway 17/35.

The survey efforts will assist the UDOT & the FAA in determining the significance of obstacle surface penetrations and to allow the develop approach and departure instrument procedures accordingly. The ultimate goal is to have approach and departure procedures developed to the lowest minimums possible. The consultant will complete analysis for the Vertically Guided Runway Primary Surface (VGRPS), the Vertically Guided Primary Connection Surface (VGPCS),

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AIRPORT SURVEYING SERVICES – DELTA AIRPORT**

the Vertically Guided Approach Surface (VGAS) the Vertically Guided Protection Surface (VGPS) the Vertically Guided Approach Transitional Surface (VGATS), the Vertically Guided Horizontal Surface (VGHS) and the Vertically Guided Conical Surface (VGCS) for runway 17/35.

Technical Approach

The surveys will be based on the North American Datum of 1983 (NAD83/NSRS 2007) horizontally, and the North American Vertical Datum of 1988 (NAVD88) vertically. The GPS survey observations will utilize GEOID03 for determining orthometric height / mean sea level (MSL).

The scope of work to be performed is outlined in the five items below, identifying the individual survey activities required to complete a survey of this type. A licensed photogrammetrist and professional land surveyor must oversee both the aerial survey and ground survey.

The Contractor will perform research for existing information about the airfield, familiarizing and preparing for what is required to meet or exceed the requirements. Preparations will include interviews with important airport staff and FAA officials to help identify any improvement plans and potential conflicts.

1. The minimally required geodetic control does not exist at Delta Municipal Airport. The Primary Airport Control Station (PACS) and two Secondary Airport Control Stations (SACS) are required by the FAA to serve as survey control, providing direct ties to the National Spatial Reference System (NSRS). PACS and SACS will be created at Delta Municipal Airport as part of this contract. The monumentation data will be submitted to NGS for inclusion into NSRS.
2. Runway observations will be made to provide the FAA with the necessary runway data to develop accurate and safe procedures. The consultant will visit both ends of runways 12/30 and 17/35, if existing monumentation is not recovered, new end point monumentation will be established. After the end point locations are finalized, a runway centerline profile will be completed on runways 12/30 and 17/35.
3. The consultant will perform a NAVAID inventory of the visual and electronic NAVAIDs associated to the runways as required by the FAA. Any electronic NAVAIDs, either associated or unassociated to the airfield, will be inventoried within 10 nautical miles of the airport. Field sketches, survey observations, and digital photographs will be taken.
4. Obstruction surveys for the runway 17/35 approaches will be completed over the area encompassed as defined in the FAA advisory circulars for a precision approach. Multiple types of survey techniques maybe be used to complete the field observations. The consultant will also perform obstruction observations. The

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observations will be compiled and quality controlled against each other before final coordinate values are assigned.

The Contractor's field and office personnel will adhere to the industry's rule of "best practice" procedures throughout the project to ensure the quality and accuracy necessary for successful procedure development. Below is a list of survey techniques the Consultant may utilize during the field survey.

- Conventional Techniques
- Real-time Kinematic GPS (RTK)
- Static GPS
- 3-D Ground Based Laser Scanner
- Laser Ranging
- Leveling
- Aerial Imagery

V. ENTIRE AGREEMENT

This contract and prices quoted constitute the complete agreement and understanding between the State and Contractor.

VI. SUBMISSION OF BIDS

The State Division of Purchasing prefers that bids be submitted electronically. Electronic proposals may be submitted through a secure mailbox at BidSync (www.bidsync.com), formerly RFP Depot, until the date no later than **2:00 P.M., Wednesday, July 22, 2009**. It is the sole responsibility of the Contractor to ensure their bid reaches BidSync before the closing date and time.

There is no cost to the Contractor to submit electronic bids to the Division of Purchasing via BidSync. If the Contractor chooses to submit the bid directly to the State Division of Purchasing in writing send the original bid to: State of Utah, Division of Purchasing, 3150 State Office Building, Capitol Hill, Salt Lake City UT 84114-1061 prior to the closing date and time specified. Bids may be modified or withdrawn prior to the time set for opening of bids.

All questions must be submitted through the electronic procurement system. Questions concerning this ITB will be accepted up through **12:00 P.M., July 15, 2009**. No questions will be answered after that time.

Questions may be answered as they come in or may be compiled into one document and answered via an addendum. Contractors will be notified by email when the addendum has been posted if they have registered with BidSync. Contractors should periodically check the electronic procurement system for any answered questions or addenda.

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AIRPORT SURVEYING SERVICES – DELTA AIRPORT**

VII. CONSIDERATION OF BIDS

In the initial phase of the Contractor selection process, all bids received on time will be reviewed. First, non-responsive bids (those not conforming to bid specifications) will be eliminated. Second, the remaining bids will be reviewed and those that do not provide sufficient evidence to be able to perform services outlined in the bid specifications will be eliminated.

VIII. EVALUATION OF BIDS

Evaluation of bids will be based on the most favorable pricing taking into and stated ability to meet required conditions.

Question and Answers for Bid #DR1219 - Airport Surveying Service

OVERALL BID QUESTIONS

Question 1

IFB Section V. Contractor Qualifications states that contractors must submit a statement in their bid response stating their qualifications along with the names of the last two airport IAP surveys completed along with a contact name and telephone number from each airport. How do we include this information if we submit our bid electronically? (Submitted: Jun 24, 2009 2:49:26 PM MDT)

Answer

- You may type the information on a sheet of paper, scan it and upload it as an attachment to your bid response. If you choose to submit a paper bid you may include it with your response accordingly. (Answered: Jun 24, 2009 3:46:14 PM MDT)

Question Deadline: Jul 15, 2009 12:00:00 PM MDT