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TEXAS STATE TECHNICAL COLLEGE - WACO AIRPORT
TXDOT SOLICITATION No.: RFQ-22ALTSTCW-00055

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<http://www.txdot.gov/inside-txdot/division/aviation/projects.html>

Texas Department of Transportation
Aviation Division
Request for Qualifications (RFQ) for Professional
Services

Texas State Technical College - Waco through its agent, the Texas Department of Transportation (TxDOT), intends to engage a qualified firm for services. This solicitation is subject to 49 U.S.C. §47107(a)(17) and will be administered in the same manner as a solicitation conducted under Chapter 2254, Sub-chapter A, of the Texas Government Code. TxDOT Aviation Division will solicit and receive qualification statements for professional services as described below:

Airport Sponsor: Texas State Technical College - Waco, Texas State Technical College -Waco Airport; TxDOT CSJ/Project No.: 22ALTSTCW. The TxDOT Project Manager is Enyu Li.

Scope: Prepare an **Airport Layout Plan Update with Narrative which includes, but is not limited to:**

1. Review and evaluate TSTC Waco airport Master Plan 2008
2. Prepare an ALP with Narrative consistent with the most current FAA Advisory Circulars and Standard Operating Procedures.
3. Establish phased, attainable goals for airport improvements and development based on a forecast for aviation demand and current and future critical aircraft; and
4. Develop a Capital Improvement Plan, including a recommended phasing plan and financial overview that considers local, state, federal, and alternative funding sources.
5. Prepare/update a Height Hazard Zoning Map incorporating the airport's protective surfaces, including Part 77 and others as appropriate.

The Agent, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all respondents that it will affirmatively ensure that for any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit in response to this solicitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The proposed contract is subject to 49 CFR Part 26 concerning the participation of Disadvantaged Business Enterprises (DBE).

The DBE goal is set at 0%.

To assist in your qualification statement preparation the criteria and most recent Airport Layout Plan are available online at <http://www.dot.state.tx.us/avn/avninfo/notice/consult/index.html> by selecting “Texas State Technical College -Waco Airport.”

AVN-551 Preparation Instructions:

Interested firms shall utilize the latest version of Form AVN-551, titled “Qualifications for Aviation Planning Services”. The form may be requested from TxDOT, Aviation Division, 6230 E. Stassney Lane, 2nd Floor, Austin, Texas 78744, phone number, (800) 68-PILOT (74568). The form may be emailed by request or downloaded from the TxDOT website at <http://www.txdot.gov/inside-txdot/division/aviation/projects.html>. The form may not be altered in any way. Firms must carefully follow the instructions provided on each page of the form. Qualifications shall not exceed the number of pages in the AVN-551 template. The AVN-551 consists of eight pages of data plus one optional illustration page. A prime provider may only submit one AVN-551. If a prime provider submits more than one AVN-551 or submits a cover letter with the AVN-551, that provider will be disqualified. Responses to this solicitation WILL NOT BE ACCEPTED IN ANY OTHER FORMAT.

ATTENTION: To ensure utilization of the latest version of Form AVN-551, firms are encouraged to download Form AVN-551 from the TxDOT website as addressed above. Utilization of Form AVN-551 from a previous download may not be the exact same format. Form AVN-551 is a PDF Template.

The completed Form AVN-551 must be received in the TxDOT Aviation eGrants system no later than September 22, 2022, 11:59 PM. (CDST). Electronic facsimiles or forms sent by email or regular/overnight mail will not be accepted.

Firms that wish to submit a response to this solicitation must be a user in the TxDOT Aviation eGrants system no later than one business day before the solicitation due date. To request access to eGrants, please complete the Contact Us web form located at <http://txdot.gov/government/funding/egrants-2016/aviation.html>

Instructions on how to respond to a solicitation in eGrants are available at <http://txdot.gov/government/funding/egrants-2016/aviation.html>

Step by step instructions on how to respond to a solicitation in eGrants will also be posted in the RFQ packet at <http://www.dot.state.tx.us/avn/avninfo/notice/consult/index.html>.

The consultant selection committee will be composed of local government representatives. The final selection by the committee will generally be made following the completion of review of AVN-551s. The committee will review all AVN-551s and rate and rank each. The evaluation criteria for airport planning projects can be found at <http://www.txdot.gov/inside-txdot/division/aviation/projects.html> under Information for Consultants. All firms will be notified, and the top-rated firm will be contacted to begin

fee negotiations. The selection committee does, however, reserve the right to conduct interviews for the top-rated firms if the committee deems it necessary. If interviews are conducted, selection will be made following interviews.

Please contact TxDOT Aviation for any technical or procedural questions at (800) 68-PILOT (74568). For procedural questions, please contact Dawn Denson, Grant Manager. For technical questions please contact Enyu Li, Project Manager.

For questions regarding responding to this solicitation in eGrants, please contact the TxDOT Aviation help desk at 1-800-687-4568 or avn-egrantshelp@txdot.gov



EVALUATION CRITERIA FOR AIRPORT PLANNING QUALIFICATIONS

The following criteria will generally be used in evaluating consultants submitting qualifications; however, the Consultant Selection Committee may develop additional consultant evaluation criteria and point values, if desired. The Consultant Selection Committee should assign points to be used for the Consultant Rating Sheet if they do not use the suggested point values. The TxDOT Project Manager can assist the Selection Committee in interpreting the criteria and establishing point values for each criterion, if necessary.

Suggested Point Values and Selection Criteria

- 1. Capability to perform all of the services required for this project and professional qualifications of key personnel assigned to this project relevant to the work to be performed. (25 points)**

Does the consultant have the necessary resources to perform all of the services required (e.g.: planning, surveying, CAD, etc.)? Who are the professionals that will be working on this project on a daily basis and how do their qualifications and experience with general aviation airport planning projects compare with other respondents? [Sources of information: Aviation Planning Team Form, Recent Relevant Airport Experience Form, Proposed Technical Approach Form, and possibly the Optional Summary.]
- 2. Recent experience, within the last ten years, in the development of airport plans comparable to the proposed project. (25 points)**

Does the consultant have direct experience developing general aviation airport plans similar to those proposed for this location? [Sources of information: Aviation Planning Team Form, Recent Relevant Airport Experience Form, and possibly the Optional Summary.]
- 3. Ability to meet the schedules and deadlines of this project and reputation for competence, timeliness, and quality of performance and work product. (25 points)**

Does the proposed planning team have sufficient time to devote to this project in order to meet the schedule submitted in the qualifications? Is the proposed schedule realistic? Does the consultant consistently meet contractual timetables? Has the work performed for other airports been satisfactory? [Sources of information: Aviation Planning Team Form, Recent Relevant Airport Experience Form, Project Schedule Form, possibly the Optional Summary, and reference check.]

4. Proposed Technical Approach and Schedule to Accomplish the Project. (25 points)

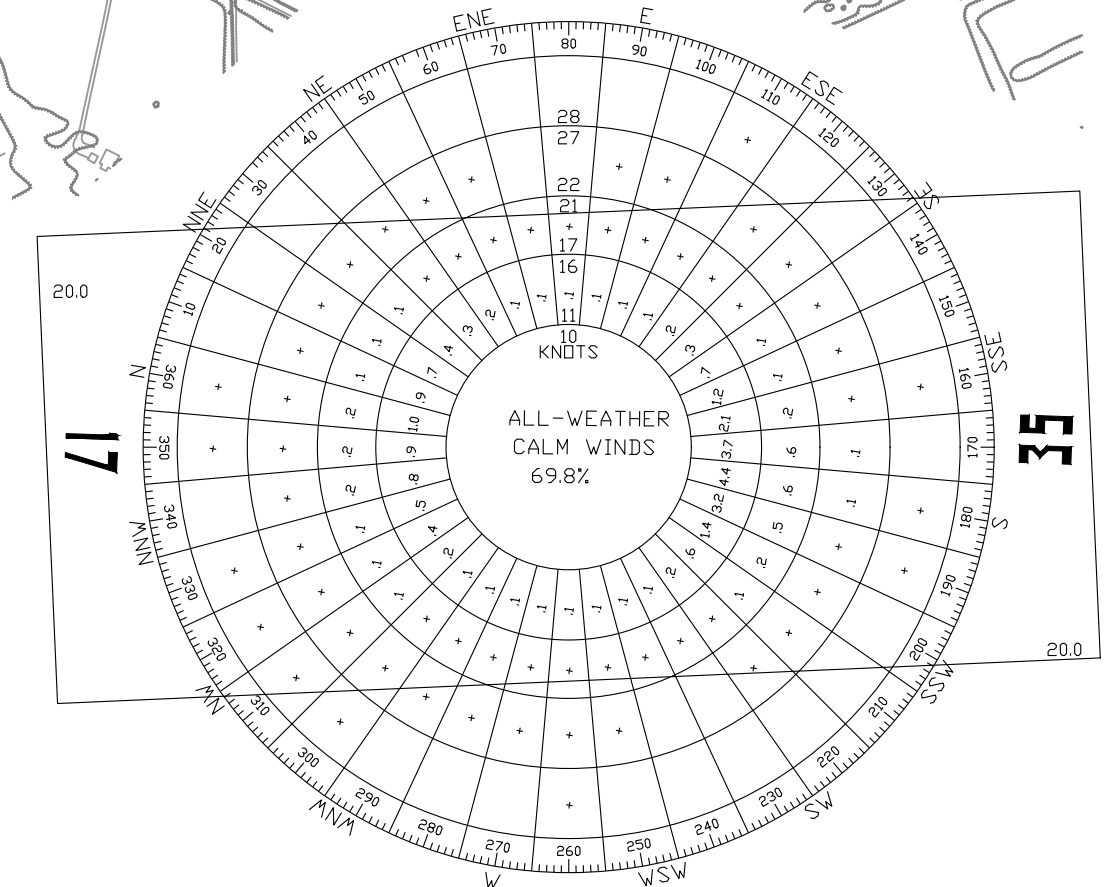
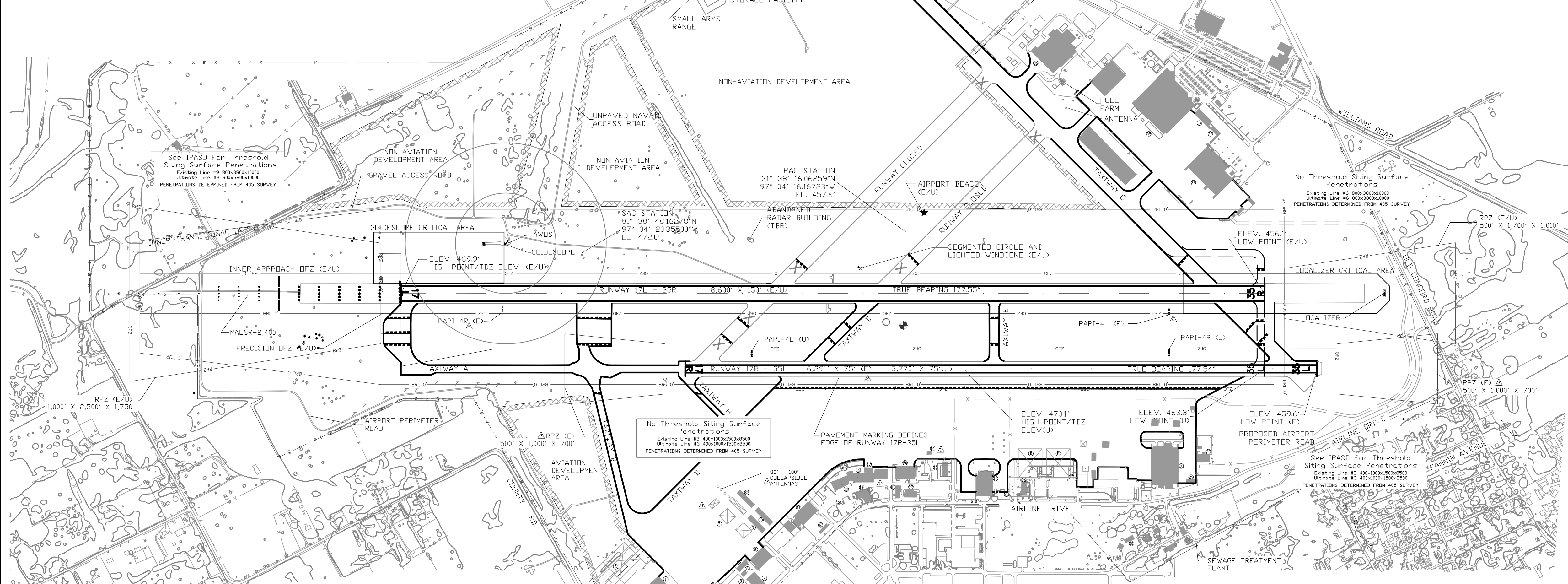
Does the consultant show specific understanding and familiarity with the particular requirements of this project and how to address them? Is the consultant familiar with relevant planning guidance? Is the schedule appropriate to accomplish the project?

[Sources of information: Proposed Technical Approach Form, Proposed Schedule Form, and possibly the Optional Summary.]

RUNWAY END COORDINATES AND ELEVATIONS			
RUNWAY END	LATITUDE	LONGITUDE	ELEVATION
EXISTING END OF RWY 17L	31° 39' 05.75" N	97° 04' 25.72" W	469.9'
EXISTING END OF RWY 35R	31° 37' 40.72" N	97° 04' 21.46" W	456.1'
EXISTING END OF RWY 17R	31° 38' 37.53" N	97° 04' 33.00" W	466.7'
EXISTING END OF RWY 35L	31° 37' 35.33" N	97° 04' 29.87" W	459.6'
ULTIMATE END OF RWY 35L	31° 37' 40.49" N	97° 04' 30.14" W	463.8'

COMMENTS:

	LEGEND	
	EXISTING	ULTIMATE
RUNWAY/TAXIWAY OUTLINE	---	---
BUILDINGS/FACILITIES	▭	▭
AIRPORT PROPERTY LINE	---	---
AIRPORT PROPERTY LINE WITH FENCE	---	---
AIRPORT REFERENCE POINT (ARP)	●	●
WIND CONE AND SEGMENTED CIRCLE	⊙	⊙
THRESHOLD LIGHTS	***	***
C&G BEACON	★	★
FENCE LINE	---	---
TELEPHONE/POWER POLE LINE	---	---
NONDIRECTIONAL BEACON (NDB)	●	●
RWY END IDENTIFIER LIGHTS (RELS)	●	●
VOSI	⊙	⊙
BUILDING RESTRICTION LINE (BRL)	---	---
GROUND CONTOURS	---	---
SIGNIFICANT OBJECT LOCATION	○	○
TREES/BRUSH	○	○
AWOS	■	■
HOLD POSITION AND SIGN	▲	▲
SURVEY MARKERS	▼	▼



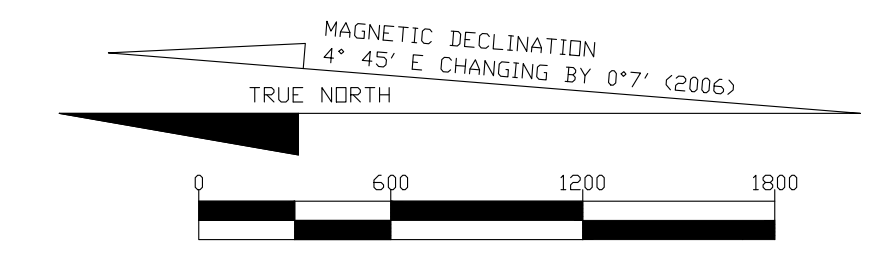
WIND ROSE ANALYSIS		
RUNWAY	CROSSWIND COMPONENT	WIND COVERAGE
17L-35R	ARC D-IV: 20 KNOTS	99.92%
17R-35L	ULT ARC B-II: 13 KNOTS	98.79%

SOURCE: WACO, TEXAS - 1997 TO 2006, 82,699 OBSERVATIONS

RUNWAY DATA TABLE								
	RW 17L-35R		RW 17R-35L		RW 17R-35L		RW 17R-35L	
	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE	EXISTING	ULTIMATE
RUNWAY ARC	D-IV	D-IV	B-II	B-II	B-II	B-II	B-II	B-II
DESIGN AIRCRAFT	MD-11	MD-11	KING AIR C90	KING AIR C90	KING AIR C90	KING AIR C90	KING AIR C90	KING AIR C90
RUNWAY LENGTH & WIDTH (ft.)	8,600' X 150'	8,600' X 150'	6,291' X 75'	6,291' X 75'	5,770' X 75'	5,770' X 75'	5,770' X 75'	5,770' X 75'
PAVEMENT DESIGN STRENGTH (lbs.)	SW-5000/DW-200,000/DI-450,000	SW-5000/DW-200,000/DI-450,000	SW-25,000/DW-76,000/DI-140,000	SW-25,000/DW-76,000/DI-140,000	SW-25,000/DW-76,000/DI-140,000	SW-25,000/DW-76,000/DI-140,000	SW-25,000/DW-76,000/DI-140,000	SW-25,000/DW-76,000/DI-140,000
RUNWAY LIGHTING	MIRL	MIRL	NONE	NONE	NONE	NONE	NONE	NONE
PERCENT EFFECTIVE GRADE	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
PERCENT WIND COVERAGE	99.88%	99.88%	99.88%	99.88%	99.88%	99.88%	99.88%	99.88%
MAXIMUM ELEVATION ABOVE MSL	469.8'	456.1'	470.5'	470.5'	470.5'	470.5'	470.5'	470.5'
RW SURFACE TYPE	ASPHALT	ASPHALT	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE
RSA - LENGTH BEYOND RW END	1,000'	1,000'	300'	300'	300'	300'	300'	300'
RSA - WIDTH	500'	500'	150'	150'	150'	150'	150'	150'
DFA - LENGTH BEYOND RW END	1,000'	1,000'	300'	300'	300'	300'	300'	300'
DFA WIDTH	800'	800'	500'	500'	500'	500'	500'	500'
DFZ - LENGTH BEYOND RW END	200'	200'	200'	200'	200'	200'	200'	200'
DFZ WIDTH	400'	400'	400'	400'	400'	400'	400'	400'
RUNWAY END	17L	35R	17L	35R	17R	35L	17R	35L
RUNWAY MARKING	PIR	PIR	PIR	PIR	BSC	BSC	BSC	BSC
FAR PART 77 APPROACH CATEGORY	PIR	C	PIR	C	B(CV)	B(CV)	B(CV)	B(CV)
APPROACH TYPE	ILS/GPS/ASR	NDB/GPS	ILS/GPS/ASR	NDB/GPS	V	V	V	V
APPROACH SLOPE	501	341	501	341	201	201	201	201
RUNWAY VISUAL AIDS	MALS/R/PAPI	MALS/R/PAPI	MALS/R/PAPI	PAPI	NONE	NONE	PAPI	PAPI
APPROACH VISIBILITY MINIMA	1/2 MILE	1 MILE	1/2 MILE	1 MILE	V	V	V	V
TOUCHDOWN ZONE ELEVATION	469.9'	462.0'	469.9'	462.0'	470.1'	469.2'	470.1'	469.2'
TAKE-OFF RUN AVAILABLE (TORA)	8,600'	8,600'	8,600'	8,600'	6,291'	6,291'	5,770'	5,770'
TAKE-OFF DISTANCE AVAILABLE (TODA)	8,600'	8,600'	8,600'	8,600'	6,291'	6,291'	5,770'	5,770'
APPROACH STOP DISTANCE AVAILABLE (ASDA)	8,600'	8,600'	8,600'	8,600'	6,291'	6,291'	5,770'	5,770'
LANDING DISTANCE AVAILABLE (LDA)	8,600'	8,600'	8,600'	8,600'	6,291'	6,291'	5,770'	5,770'

AIRPORT DATA TABLE		
	EXISTING	ULTIMATE
AIRPORT ELEVATION (MSL)	470.1	470.1
AIRPORT NAVIGATION AIDS	ILS, GPS, NDB	ILS, GPS, NDB
MEAN MAX TEMP (Hottest Month °F)	97°F	97°F
AIRPORT REFERENCE POINT (ARP)	D-IV	D-IV
TAXIWAY MARKING	STD W/CL REF	STD W/CL REF
TAXIWAY LIGHTING	NONE	STD
AIRPORT REFERENCE POINT COORDINATES	31°38'16.10" N 97°04'26.90" W	31°38'17.86" N 97°04'26.61" W

MODIFICATIONS TO FAA STANDARDS TABLE		
EXIST/ULT.	DESCRIPTION OF MODIFICATION	REASON FOR MODIFICATION



BUILDING TABLE			
BLDG. #	EXISTING DESCRIPTION	ULTIMATE	TDP ELEVATION
1	DHL		505'
2	FUEL STORAGE - 82,000 GAL		489'
3	STORAGE		487'
4	SHOP		487'
5	BUILDING		489'
6	BUILDING		487'
7	CENTRAL RECEIVING		491'
8	ACT 1		510'
9	T-HANGAR		484'
10	T-HANGAR		484'
11	HANGAR		505'
12	TSTC BUILDING		485'
13	STORAGE		492'
14	AIR TRAFFIC CONTROL TOWER		498'
15	TERMINAL BUILDING		538'
16	ELECTRICAL VAULT		478'
17	AIRPORT MAINTENANCE		479'
18	TSTC BUILDING		520'
19	TSTC BUILDING - DENTAL		492'
20	ARFF		510'
21	CUSTODIAL/PARACHUTES		491'
22	TELECOM BUILDING		530'
23	BUILDING - VACANT		489'
24	TSTC AVIATION MAINTENANCE		504'
25	TSTC STORAGE		480'
26	PUBLIC SAFETY		489'
27	TSTC BUILDING - VACANT		481'
28	L3 COMMUNICATIONS CENTER		535'
29	L3 COMMUNICATIONS		481'
30	L3 COMMUNICATIONS STORAGE		489'
31	TSTC-GOLF SUPPORT		VARIES
32	L3 COMMUNICATIONS		528'
33	L3 COMMUNICATIONS		468'
34	L3 COMMUNICATIONS		470'
35	L3 COMMUNICATIONS		565'
36	L3 COMMUNICATIONS		563'
37	T-HANGAR		~484'
B	VARIOUS HANGARS		VARIES
A	HANGAR		~535'
D	HANGAR		~535'
E	HANGAR		~535'

COMMENTS:
THE TSTC-GOLF SUPPORT AREA (31) CONSISTS OF MULTIPLE BUILDINGS WITH THE MAX HEIGHT LISTED. MOST STRUCTURES ARE LESS THAN 25' ABOVE GROUND LEVEL IN HEIGHT.

REVISION #	CHANGE MADE	BY	DATE
1	RELOCATE AIR TRAFFIC CONTROL TOWER, MODIFY TERM BUILDING	TxDOT MACKE	APR 24, 2014
2	NARROW 17R/35L, ADD PAPI, ADJUST RPZ, REMOVE TXWY 'C'	TxDOT MACKE	JUN 25, 2015
3	ADD STRUCTURES TO RAMP, ADJUST RPZ 17R/35L	TxDOT MACKE	DEC 30, 2020

TEXAS DEPARTMENT OF TRANSPORTATION
AVIATION DIVISION

AIRPORT SPONSOR

ALP APPROVED ACCORDING TO FAA AC 150/5300-13 CH 10 PLUS THE REQUIREMENTS OF A FAVORABLE ENVIRONMENTAL FINDING PRIOR TO THE START OF ANY LAND ACQUISITION OR CONSTRUCTION AND AN FAA FORM 7460-1 SUBMITTED PRIOR TO ANY CONSTRUCTION ON AIRPORT PROPERTY

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TITLE: AIRPORT SPONSOR'S REPRESENTATIVE

DIRECTOR, AVIATION DIVISION: _____ DATE: _____

PREPARED BY: **WilburSmith** ENGINEERS PLANNERS ECONOMISTS ASSOCIATES
6600 Clough Pike
Cincinnati, OH 45244
Phone: 513-233-3700

DESIGNED BY: W. TEEL DATE: JAN 2008
DRAWN BY: G. LOUNGWEAY DATE: JAN 2008
CHECKED BY: T. DAVIS DATE: JAN 2008

AIRPORT LAYOUT DRAWING
TSTC - WACO AIRPORT
WACO, TX

TEXAS Department of Transportation
Aviation Division

SHEET 1 OF 6



Instructions for Responding to an RFQ Solicitation

Aviation Division

eGrants Workflow:	RFQ Response
eGrants Role:	Subgrantee Administrator (SA) Subgrantee Staff (SS)
eGrants link	https://apps2.dot.state.tx.us/apps/egrants2/logout2.aspx
eGrants help:	eGrants help desk Monday – Friday 8AM – 4PM CD/ST (excluding state/federal holidays) avn-egrantshelp@txdot.gov or 1-800-687-4568

STEP	ROLE	ACTIONS	NOTES
01	SA	Go to View Opportunities. a. Select Apply Now to the opportunity b. The RFQ Response Menu is opened	Very important to click on the name of the document and not the organization name Make a note of the opportunity due date to ensure you respond in time
02	SA/SS	Click on View, Edit and Complete Forms a. Select RFQ Applicant Form b. Confirm Project information and address c. Upload AVN-550 or 551 <u>PLEASE MAKE SURE YOU SELECT THE CORRECT PDF FILE BEFORE CHANGING STATUS.*</u> d. Hit Save	You should print the proposal document to a PDF so that it becomes un-editable. Or, you may upload a scanned copy of the AVN-550/551.
03	SA	When you are ready to submit your response, click on Save and submit to CS review <u>YOU ARE DONE</u>	You will get an email saying the response was successfully submitted; the status must be changed to RFQ Response in CS Review by the due date and time posted in the solicitation.
04	SA/SS	<u>WAIT</u> UNTIL A SELECTION NOTIFICATION IS SENT TO YOU	
05	SS/SA	<u>AFTER SELECTION NOTIFICATION IS RECEIVED</u> Log in to view status of response. Once the scores are verified, TxDOT will move the response to an interview, selected or not selected status of which you can log in to see the status of your response.	The selection notification will refer users to eGrants to view the status of their response. User may also view the TxDOT website for selection information.

*If the responder posts the incorrect file.

- If status has been changed and the due date for the response has not expired, contact the help desk to ask for the status to be administratively changed back to Response in Process.
- If the incorrect file was posted, the incorrect file may be deleted and the correct one posted as long as the status has not been changed to Response in CS Review. Respondent will need to check the “delete” box and hit save. The page refreshes. Then post the correct file, save, and change the status.

If you are not set up in eGrants and wish to respond to a posted solicitation, you may contact the aviation help desk for assistance by using the webform available at [eGrants Help Desk Form](#)

Some organizations will have many user members. Each organization should determine which user member will submit the completed avn-550/551 in eGrants. after the opportunity is selected for the organization, it will no longer appear on any other user’s home page unless the initiating user cancels the response.