

City of Las Cruces®

PEOPLE HELPING PEOPLE

Council Action and Executive Summary

Item # 21 Ordinance/Resolution#09-10-467A Council District: 4

For Meeting of June 21, 2010
(Adoption Date)

TITLE:

A RESOLUTION APPROVING THE AWARD OF A CONTRACT FOR DESIGN THROUGH BIDDING PHASE SERVICES FOR AN AIR TRAFFIC CONTROL TOWER AT THE LAS CRUCES INTERNATIONAL AIRPORT TO DELTA AIRPORT CONSULTANTS, INC. OF ALBUQUERQUE, NEW MEXICO IN THE AMOUNT OF \$677,561 PLUS NEW MEXICO GROSS RECEIPTS TAX IN THE AMOUNT OF \$45,000 FOR A TOTAL OF \$722,561.

PURPOSE(S) OF ACTION: To award a contract for the architectural and engineering design services for the proposed air traffic control tower at the Las Cruces International Airport to Delta Airport Consultants, Inc. These services will also include the preparation of all documents necessary for the City to conduct the bidding process for this project.

Name of Drafter: Lisa Murphy, Airport Administrator LM		Department: Facilities/Airport		Phone: 541-2471	
Department	Signature	Phone	Department	Signature	Phone
Facilities		541-2651	Budget		2300
			Assistant City Manager		2271
Legal		541-2128	City Manager		2076

BACKGROUND / KEY ISSUES / CONTRIBUTING FACTORS:

In 2004, the City received a Congressional earmark of \$1,100,000 for the design, construction and equipping of an air traffic control tower at the Las Cruces International Airport. The first step in the tower process was the siting study, which analyzed a number of potential tower sites through a sophisticated modeling process at the Federal Aviation Administration's AFTIL (Airport Facilities Terminal Integration Laboratory) in New Jersey. After review and consideration by the Airport Advisory Board and a feasibility study by the Federal Aviation Administration, a favorable control tower site was selected. The site is located on the west side of the airfield, north of Runway 04 and south of Runway 12 and was chosen because of its unobstructed line of sight to all parts of the airfield. The Environmental Assessment for this site has been completed and submitted to FAA and a Finding of No Significant Impact (FONSI) is expected soon. Thus, the FAA has advised airport staff to proceed with the design of the tower.

Delta Airport Consultants, Inc., of Albuquerque, NM, currently has an on-call Airport Architectural and Engineering Services contract with the City pursuant to Resolution 07-08-319, and the design of the air traffic control tower is on the approved project list. As such, Delta has submitted a task order to perform air traffic control tower design and bidding phase services in the amount of \$677,561 plus New Mexico Gross Receipts Tax in the amount of \$45,000 for a total of \$722,561. These services will include architectural and engineering design of the tower as well as the preparation of all construction and bidding documents the City will need to be able to go out to bid for this project. The total fee amount includes reimbursable fees for subcontracted services such as design geotechnical, surveying and utility design. The fee has been reviewed by an outside firm through the Independent Fee Estimate process and deemed to be reasonable. Thus, Staff recommends that City Council award the project to Delta Airport Consultants.

The project is expected to take 210 calendar days and will be paid for with funds from the Congressional earmark, which have already been transmitted to the City and are thus currently available. This type of funding is granted at 100% so there is no City match required, nor will there be any contingency funds needed for this project. However, it should be noted that while there is adequate funding to complete the design of the tower, additional funding must be obtained to actually construct and equip the tower.

SUPPORT INFORMATION:

Fund Name / Account Number	Amount of Expenditure	Budget Amount
Airport Improvement - Air Traffic Control Tower - 4300-43806020-852100-70C00	\$722,561	\$970,182

1. Resolution
2. Exhibit "A", Purchasing Manager's Request to Contract Form
3. Attachment "B", Revised Task Order Number 6 to the Agreement for Professional Services between the City of Las Cruces and Delta Airport Consultants, Inc.
4. Attachment "C", Control tower site location map

OPTIONS / ALTERNATIVES:

1. Vote "Yes". This will allow the City to enter into a contract for air traffic control tower design and bidding phase services with Delta Airport Consultants, Inc.
2. Vote "No". This will not allow the City to enter into a contract for air traffic control tower design and bidding phase services with Delta Airport Consultants, Inc., resulting in delays to this project.
3. Postpone consideration of the Resolution and provide staff with additional direction.

(Continue on additional sheets as required)

RESOLUTION NO. 09-10-467A

A RESOLUTION APPROVING THE AWARD OF A CONTRACT FOR DESIGN THROUGH BIDDING PHASE SERVICES FOR AN AIR TRAFFIC CONTROL TOWER AT THE LAS CRUCES INTERNATIONAL AIRPORT TO DELTA AIRPORT CONSULTANTS, INC. OF ALBUQUERQUE, NEW MEXICO IN THE AMOUNT OF \$677,561 PLUS NEW MEXICO GROSS RECEIPTS TAX IN THE AMOUNT OF \$45,000 FOR A TOTAL OF \$722,561.

The City Council is informed that:

WHEREAS, the City of Las Cruces, New Mexico, a municipal corporation, is the owner of certain real property known as the Las Cruces International Airport; and

WHEREAS, an air traffic control tower at the Las Cruces International Airport would provide additional safety to airport operations and potentially increase development at the airport; and

WHEREAS, in 2004 the City received a Congressional earmark in the amount of \$1,100,000 for design, construction, and equipping of an air traffic control tower at the Las Cruces International Airport; and

WHEREAS, in conjunction with the Federal Aviation Administration and the Airport Advisory Board a siting study and environmental assessment have been completed and a favorable tower site has been selected; and

WHEREAS, the next step in the process is to design the proposed control tower; and

WHEREAS, Delta Airport Consultants, Inc., has submitted a proposal through their on-call Airport Architectural and Engineering Services contract with the City of Las Cruces to conduct air traffic control tower design through bidding phase services in the amount of \$722,561; and

Resolution No. 09-10-467A

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WHEREAS, Staff has reviewed the proposal and recommends a contract award to Delta Airport Consultants, Inc.

NOW, THEREFORE, be it resolved by the governing body of the City of Las Cruces:

(I)

THAT Task Order Number 6 to the Agreement for Professional Services between the City of Las Cruces and Delta Airport Consultants, Inc. for Design through Bidding Phase Services for the Las Cruces International Airport Air Traffic Control Tower is approved in the amount of \$677,561 plus New Mexico Gross Receipts Tax in the amount of \$45,000 for a total of \$722,561.

(II)

THAT the Purchasing Manager is authorized to contract with Delta Airport Consultants, Inc. as outlined in the signed Exhibit "A", Purchasing Manager's Request to Contract Form, attached hereto and made part of this Resolution.

(III)

THAT City staff and officials are directed to do all deeds necessary in the accomplishment of the herein above.

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DONE AND APPROVED this _____ day of _____, 2010.

APPROVED:

Mayor

ATTEST:

City Clerk

VOTE:

Mayor Miyagishima:	_____
Councillor Silva:	_____
Councillor Connor:	_____
Councillor Pedroza:	_____
Councillor Small:	_____
Councillor Sorg:	_____
Councillor Thomas:	_____

Moved by: _____

Seconded by: _____

APPROVED TO FORM:

John A. O'Connell

City Attorney

435

CITY OF LAS CRUCES**PURCHASING MANAGER'S REQUEST TO CONTRACT**

For Meeting of: June 21, 2010

Resolution No.: 09-10-467A

Existing Contract Purchase For**Airport Architectural And Engineering Services
Design And Bidding Services For An Air Traffic Control Tower**

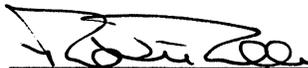
The Las Cruces City Council is provided the following information concerning this request:

BID/RFP SOLICITATION INFORMATION:

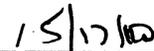
1. Original Bid/RFP & Due Date: **RFP #07-08-319/May 6, 2008**
2. Description of Bid/RFP: **Airport Architectural and Engineering Services**
3. Number of Original Responses Accepted: **Eight (8)**
4. Existing Contract Expiration Date: **September 2, 2010**
5. Last Contract Renewal by Council: **Resolution No. 09-10-467/January 19, 2010**
6. Using Department: **Facilities/Airport**
7. Current Award Recommendation To: **Delta Airport Consultants, Inc.**
8. Total Award Amount (includes estimated tax): **\$722,561.00**
9. Contract Duration: **210 Calendar Days**

PROCUREMENT CODE COMPLIANCE:

The City of Las Cruces Procurement Code was administered in the conduct of this procurement and approval to purchase is hereby requested pursuant to **Section 24-316.**



Purchasing Manager



Date
CONFIRMATION OF FUND ENCUMBRANCE:

REQUISITION OR PURCHASE ORDER NUMBER:

10103842

REVISED TASK ORDER NO. SIX (6)

TO THE

AGREEMENT FOR PROFESSIONAL SERVICES

BETWEEN

CITY OF LAS CRUCES, NEW MEXICO

THE OWNER

AND

DELTA AIRPORT CONSULTANTS, INC.

THE ENGINEER

DATE: May 6, 2010

DELTA PROJECT NO. NM 09098

**CONSTRUCT AIR TRAFFIC CONTROL TOWER
(DESIGN THROUGH BIDDING PHASE SERVICES)**

REVISED TASK ORDER NO. SIX (6)
TO THE AGREEMENT
FOR PROFESSIONAL SERVICES
BETWEEN OWNER AND ENGINEER

May 6, 2010

This Revised Task Order No. Six (6), dated May 6, 2010, is made part of the Agreement for Professional Services dated September 2, 2008, between the City of Las Cruces, New Mexico, the OWNER, and Delta Airport Consultants, Inc., the ENGINEER, for work at the Las Cruces International Airport, Las Cruces, New Mexico.

The following revisions and/or additions are made to the original Agreement for Professional Services.

ADD the following paragraphs to **Article 6:**

6.8 It is understood that the Engineer will proceed on the project after a notice-to-proceed from the Owner. The Engineer shall complete the preliminary and design phase services within two hundred ten (210) calendar days after the notice-to-proceed.

ADD the following paragraphs to **Article 7:**

7.15 CONSTRUCT AIR TRAFFIC CONTROL TOWER – Design through Bidding Phase Services

Compensation for design through bidding will be a lump sum fee of \$189,979, plus estimated NMGRT of \$12,600. The lump sum fee is based on the scope items detailed in Attachment "TO 6-1".

7.16 CONSTRUCT AIR TRAFFIC CONTROL TOWER – Design Reimbursables

Reimbursables and subcontracted services for the design and bidding phase for will be compensated on a unit price plus fixed fee basis. Compensation for these services shall be limited to a budget amount of \$487,582, plus estimated NMGRT of \$32,400 as outlined in Attachment "TO 6-1", unless written authorization has been received from the Owner.

REVISED TASK ORDER NO. SIX (6)

The following attachments are made part of this Agreement:

Attachment "TO 6-1" Estimated Workhours and Summary of Fees (Articles 7.15/7.16)

Attachment "TO 6-2" Subconsultant RFP's and Proposals

All other provisions of the original Agreement remain unchanged.

OWNER:

City of Las Cruces
P.O. Box 20000
Las Cruces, New Mexico 88004

ENGINEER:

Delta Airport Consultants, Inc.
7804 Pan American Freeway NE, Suite 4
Albuquerque, New Mexico 87109

Signature

Kenneth W. Moody, P.E.

DATE: _____

DATE: 5/7/2010

Witness

Witness

APPROVED AS TO FORM:
[Signature]
City Attorney

ATTACHMENT "TO 6-1"

**ESTIMATED WORKHOURS AND SUMMARY OF FEES
(ARTICLES 7.15/7.16)**

Revised ATTACHMENT "TO 6-1"
Estimated Workhours - Article 7.15

Construct Air Traffic Control Tower
 Design thru Bidding

Las Cruces International Airport
 Las Cruces, New Mexico

Delta Project No. NM 09098

Date: March 5, 2010

Description	No.	Principal (hr)	PM (hr)	PD (hr)	Tech (hr)	Admin (hr)
PLANS						
Cover Sheet	1	0	0	1	2	0
Summary of Quantities	1	0	1	1	2	0
General Layout & Notes	1	0	2	4	8	0
Phasing Notes & Details	1	0	1	4	8	0
Geometric Layout	1	0	2	4	8	0
Grading & Drainage	10	4	32	40	120	0
Erosion & Sediment Control Notes & Details	1	0	4	8	8	0
Pavement Details & Typical Sections	1	0	2	4	8	0
Drainage Details	1	0	2	4	8	0
BMP/SWM Details	1	0	2	4	8	0
Miscellaneous Details	1	0	2	4	8	0
Utility Layout & Details			By Others			
Fence Layout	1	0	4	16	16	0
Fence Details & Notes	1	0	2	8	12	0
Roadway Marking & Signage Layout	1	0	2	4	8	0
Roadway Marking & Signage Details	1	0	2	4	4	0
Electrical Layout	2	0	12	8	24	0
Electrical Details	2	0	6	8	16	0
Electrical Vault Equipment Layout	1	0	6	8	8	0
Lighting Control Panel Details	1	0	12	12	16	0
Lighting Control Circuits Diagram	1	0	12	8	12	0
Drainage Profiles	1	0	2	4	8	0
Centerline Profiles	1	0	2	4	8	0
	33					
DESIGN						
Pre-design Meeting	1	0	16	12	4	4
Geometric Design		2	4	16	0	0
Grading Design		2	20	40	0	0
Drainage Design		2	20	40	0	0
Stormwater Management Design		0	8	24	0	0
Erosion & Sediment Control Design		2	8	16	0	0
Pavement Design		0	4	8	0	0
Electrical/Lighting Control Design		2	40	8	0	0
Design Correspondence		0	16	8	0	8
Preliminary Design Engineering Report	1	0	4	12	0	4
Final Design Engineering Report	1	0	4	8	0	4
Drainage Calculations & Report		0	8	16	0	2
Report Exhibits		0	2	8	16	0
Quantities		0	8	24	0	0
Estimates		2	4	24	0	0
Specifications		2	16	24	0	16
Design Meetings/Site Visits	2	0	24	24	16	8
Quality Control Reviews		0	8	2	4	0

Revised ATTACHMENT "TO 6-1"
Estimated Workhours - Article 7.15

Construct Air Traffic Control Tower
 Design thru Bidding

Las Cruces International Airport
 Las Cruces, New Mexico

Delta Project No. NM 09098

Date: March 5, 2010

Description	No.	Principal (hr)	PM (hr)	PD (hr)	Tech (hr)	Admin (hr)
BIDDING						
Bid Preparation & Advertisement		0	0	2	0	4
Pre-Bid Meeting	2	0	12	12	0	4
Bidder Questions & Addenda		0	16	24	4	8
Bid Opening	2	0	0	12	0	4
Bid Tabulation		0	2	4	0	0
Basic Service Hours Subtotal:		18	356	530	364	66
SPECIAL SERVICES						
Independent Fee Estimate Package		0	2	8	4	4
Coordinate Architectural		2	16	24	16	8
Coordinate Geotechnical Surveys		0	4	6	0	2
Coordinate Ground Surveys		0	4	6	0	2
Coordinate Aerial Surveys		0	4	6	0	2
Coordinate ATCT Design		0	8	6	0	2
Coordinate Utility Design		0	4	8	0	2
Coordinate Constructability Review		0	2	4	0	2
Owner Coordination		0	12	12	0	4
FAA Environmental Coordination		0	4	8	0	2
FAA ADO & State Coordination		0	8	12	0	2
Local Agency Coordination (E&SC, SWM)		0	8	12	0	2
User/Tenants Meetings	1	0	8	12	0	4
Tower Coordination Meeting	1	0	8	12	0	4
Phasing Development		2	4	16	8	4
7460 Preparation		0	2	8	4	2
AFD Update Assistance		0	2	4	0	2
ATCT Frequency Coordination		0	4	8	0	2
QA Testing Program Preparation		1	4	8	0	2
FAA & State Project Application	1	0	2	4	0	2
FAA & State Pay Requests	4	0	4	4	0	4
Special Service Hours Subtotal:		5	114	188	32	60

**Revised ATTACHMENT "TO 6-1"
Summary of Fees - Article 7.15**

Construct Air Traffic Control Tower
Design thru Bidding

Las Cruces International Airport
Las Cruces, New Mexico

Delta Project No. NM 09098

Date: March 5, 2010

Description	Est Hrs	Hourly Rate	Est Cost	Fixed Fee	Totals
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Work Hour Cost (w/Overhead)

Basic Services

Principal	18	\$154	2,772	416
Project Manager	356	\$149	53,044	7,957
Project Designer	530	\$78	41,340	6,201
Technician	364	\$68	24,752	3,713
Administrative	66	\$69	4,554	683

Subtotal:	1334		\$126,462	\$18,970	\$145,432
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Special Services

Principal	5	\$154	770	116
Project Manager	114	\$149	16,986	2,548
Project Designer	188	\$78	14,664	2,200
Technician	32	\$68	2,176	326
Administrative	60	\$69	4,140	621

Subtotal:	399		\$38,736	\$5,811	\$44,547
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Total Basic & Special Services:			\$165,198	\$24,781	\$189,979
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Lump Sum Fee:	\$189,979
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NMGRT (Est.):	\$12,600
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Article 7.15 Budget Amount:	\$202,579
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**Revised ATTACHMENT "TO 6-1"
Reimbursables - Article 7.16**

Construct Air Traffic Control Tower
Design thru Bidding

Las Cruces International Airport
Las Cruces, New Mexico

Delta Project No. NM 09098

Date: March 5, 2010

Description	Est Cost	Fixed Fee	Totals
<u>Reimbursable Expenses</u>			
Travel & Miscellaneous	2,000	300	
Printing (incl bidding)	5,000	750	
Bid Advertisement	1,000	150	
Constructability Review (Connico)	6,000	600	
Design Architectural (CTBX)	318,723	31,872	
Design Utilities (Summitt)	14,420	1,442	
Design Geotechnical (Geo-Test)	25,000	2,500	
Design Aerial Surveys (Summitt)	51,220	5,122	
Design Ground Surveys (Summitt)	19,530	1,953	
<u>Estimate Cost & Fixed Fee</u>	\$442,893	\$44,689	\$487,582
	Unit Price + Fixed Fee:		\$487,582
	NMGRT (est):		\$32,400

Article 7.16 Budget Amount: \$519,982
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ATTACHMENT "TO 6-2"

SUBCONSULTANT RFP's and PROPOSALS

**DELTA AIRPORT
CONSULTANTS, INC.**

January 18, 2010

Mr. Brian M. Lally, P.E.
CTBX Aviation Group, LLC
1980 No. Atlantic Avenue, Suite 711
Cocoa Beach, Florida 32931

Re: Request for Proposal
Air Traffic Control Tower Design Services
Las Cruces International Airport
Las Cruces, New Mexico
AIP Project No. 3-35-0024-Pending
Delta Project No. NM 09098

Dear Mr. Lally:

Delta Airport Consultants, Inc. is preparing a contract for the design of an Air Traffic Control Tower (ATCT) for Las Cruces International Airport in Las Cruces, New Mexico. It is requested that your firm provide a proposal for the tower's architectural and engineering design services. A copy of the Air Traffic Control Tower Siting Report and the Preliminary Draft Environmental Assessment have been included for your use. It should be noted that the chosen side is Site 5. Your scope of services shall include Schematic Design, Design Development, and Final Contract Documents as outlined below:

SCOPE OF WORK

1. The facility will be designed in accordance with all applicable FAA guidelines and standards.
2. The design scope will include complete Design through Bidding phase services, including Schematic Design, Design Development, and Contract Documents. Construction phase services will not be included in this phase. It is anticipated that there will be two (2) bid packages, one (1) for the tower construction and another for the site work. Delta will be handling the bidding package for the site work.
3. The Schematic Design will include the following:
 - a. Space requirements
 - b. Develop floor plan and layout
 - c. Required equipment
 - d. Requirements for HVAC and electrical systems

9098C008

4801 Long Ave., NE, Suite 110 • Albuquerque, New Mexico 87109
phone: (505) 798-2615 • fax: (505) 796-9601 • www.deltaairport.com

Mr. Brian M. Lally, P.E.

January 18, 2010

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4. The Design Development Documents shall be prepared based on the approved Schematic Design and include the following:
 - a. Preliminary dimensioned floor plan
 - b. Preliminary cab layout including the location of equipment
 - c. Preliminary roof plan and details
 - d. Preliminary building and wall sections
 - e. Preliminary elevations and exterior details
 - f. Preliminary door and interior finish schedule and details
 - g. Preliminary structural, mechanical, electrical, and plumbing plans/details

5. The Final Contract Documents shall be prepared based upon the approved Design Development Documents and consist of the following:
 - a. Dimensioned floor plan
 - b. Cab layout with the location of equipment
 - c. Roof plan and details
 - d. Building and wall sections
 - e. Ceiling plan
 - f. Communication and electrical plans
 - g. Elevations and exterior details
 - h. Door schedule and details
 - i. Interior finish schedule and details
 - j. Structural, mechanical, electrical, and plumbing plans/details
 - k. Specifications

6. Coordination of the building's utility (water and sewer) requirements with Delta's engineer.

7. The design scope shall also include obtaining any necessary geotechnical information for the tower design. Delta has contacted Geo-Test, Inc. for the geotechnical work for the site work portion of the project. It is recommended that CTBX Aviation Group use them as well. Their contact information is:

Mr. Charles Miller
Geo Test, Inc.
8528 Calle Alameda NE
Albuquerque, New Mexico 87113
Phone: (505) 857-0933
Fax: (505) 857-0803

Mr. Brian M. Lally, P.E.
January 18, 2010
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GENERAL

8. If accepted, your proposal shall serve as a basis for a contract directly with Delta Airport Consultants, Inc. The proposal should include a lump sum fee for the design through bidding phase and a not-to-exceed budget for reimbursables. A fee schedule and estimated workhours should be provided to substantiate the lump sum fee. A copy of Delta's subconsultant contract has been attached for your review. A completed copy for your execution will be forwarded with the notice-to-proceed.
9. As soon as your services are complete, your firm should invoice Delta Airport Consultants, Inc. Your invoice will then be included with the next Delta invoice. Payment for your services will be forwarded within fourteen (14) days upon receipt of payment from the Owner. In order to be included with the next Delta invoice, your invoice should be received no later than the 25th of the month.

Delta is requesting your proposal on or before February 1, 2010. It is anticipated that a notice-to-proceed for your work will be given in the spring or spring of 2010. Please provide an anticipated schedule for the completion of the scope identified above.

If you should have any questions concerning this matter, please do not hesitate to contact our office.

Sincerely,



for Kenneth W. Moody, P.E.
KWM/ssh

Enclosure

cc: Lisa L. Murphy, AICP, Airport Manager

w/encl

SCOPE OF SERVICES
TO BE PROVIDED BY THE
ARCHITECT/ENGINEER
(CTBX Aviation Group, LLC)
FOR A
NEW AIR TRAFFIC CONTROL TOWER (ATCT)
AT
LAS CRUCES INTERNATIONAL AIRPORT (LRU)
LAS CRUCES, NEW MEXICO

SUBMITTED BY:



TO:

DELTA AIRPORT CONSULTANTS
Albuquerque, New Mexico

February 26, 2010

I. INTRODUCTION**A. GENERAL**

1. This Scope of Service describes the project understanding, general approach and specific services and tasks to be performed by CTBX Aviation Group, LLC known hereinafter as the ARCHITECT/ENGINEER (A/E) for a New Air Traffic Control Tower (ATCT) at the Las Cruces International Airport (LRU), owned and operated by the City of Las Cruces (CITY).
2. The A/E will be subcontracted to the LRU general consultant, Delta Airport Consultants, Inc. (DAC) of Albuquerque, New Mexico.
3. This document is comprised of the following sections:

- II- Project Description
- III- ARCHITECT/ENGINEER's Services
- IV- Information and Services to be provided by DAC
- V- Schedule
- VI- Other Provisions
- VII- Additional Services

II. PROJECT DESCRIPTION**A. GENERAL**

1. A new ATCT will be located on the southwest side of the airport property and has been designated Site 5. The controller eye height of the ATCT has been validated by the FAA Airport Facilities Terminal Integration Laboratory (AFTIL) as 75 feet above ground level (agl). This will result in a cab floor height of 70 feet agl. The ATCT will have a "functional shaft" constructed using standard commercial construction materials and procedures (structural precast concrete is assumed). The shaft will house typical air traffic control support functions including ATC equipment, elevator, stairs, restroom, office, break room, training area and support spaces. An 8 sided steel frame control cab will be designed on top of the 4 sided shaft. The ATCT design assumes that architectural features will be considered within budgetary constraints in an attempt to complement those of the area and/or the airport. The project will not include modifications to the existing Airfield Lighting Vault with the exception of a new control panel and control cable or radio link from the vault to the ATCT cab.

2. Normal and customary mechanical, electrical and plumbing systems will be included (package terminal air conditioners on the shaft floors and a roof top unit, assumed).
3. The project will include a standby emergency generator sized to serve the critical functions of the ATCT.
4. Site improvements will be designed by Delta Airport Consultants. The point of tie-in to utilities will be 5 feet from the building..
5. Landscaping may be considered but assumed to be very limited due to ATCT proximity to aircraft operations area (AOA).
6. Project will include new ATCT equipment in accordance with the FAA Minimum Equipment List for Contract Towers plus application for FCC frequency licensing of Ground, Local and ATIS radios. Coordination of any FAA provided equipment including the Sector Shout Lines and multi-point lines will be accomplished (assumes LRU has a Reimbursable Agreement or other documentation with the FAA to furnish said equipment and lines).
7. General Facility Requirements:
 - a. Building systems (HVAC, lighting, plumbing and electrical) are to be energy efficient and low maintenance.
 - b. Finishes are to be economical, durable and low maintenance.
 - c. Access control from the ATCT cab.
 - e. Site lighting will be limited due to proximity to AOA.
 - f. Federal Contract Tower (FCT) Minimum Equipment List (MEL).
 - g. Installation of a new rotating beacon may be placed on the roof of the new ATCT, if so directed by LRU and Delta Airport Consultants.

B. PROJECT COSTS

1. According to the LRU ATCT Final Siting Report dated November 2006, the construction cost of the project was estimated to be \$ 3,162,888.
2. As currently understood, the scope of services and the project construction cost as listed above does not include the following:
 - a. Unusual or expensive interior or exterior architectural treatments of the ATCT.
 - b. Identification or removal of hazardous waste or Un-exploded Ordinance (UXO).
 - c. LEED certification of design or construction.
 - d. Building furnishings and equipment other than the equipment included on "FAA Contract Tower Minimum Equipment List". See Appendix A for FAA Contract Tower Minimum Equipment List.
 - e. Relocation or shielding of existing Airport Rotating Beacon (TBD).

C. ASSUMPTIONS AND DELIVERABLES

1. The scope of services has been developed based on the following basic assumptions:

- a. The project will be bid as a Lump Sum with a Schedule of Values required to be provided by the successful bidder to refer to for progress payments. The A/E will develop plans and specifications and assist Delta Airport Consultants with the bid of the construction of the ATCT building and the FAA Minimum Contract Tower Equipment as two separate bid packages.
 - b. This scope includes normal and customary construction cost estimating services using A/E cost database for similar projects to provide order of magnitude facility construction costs for each construction work element. This scope does not include detailed cost estimating services by a special cost estimating service. The A/E has no control over the actual or fluctuating cost of labor, materials, or equipment, the method of determining prices, competitive bidding or market conditions. The A/E opinion of cost represents our best judgment as design professionals familiar with the construction industry. The A/E does not guarantee that the construction cost will not vary from the cost opinion prepared.
 - c. The accepted Project major milestone schedule will be mutually determined by Delta Airport Consultants and the A/E at a later date.
2. Deliverables: A/E will provide the following deliverables:
- a. Phase 1 Project Program Validation
 - Preliminary site plan, elevation view, floor plans and perspective (3D computer rendering) of the selected building concept; project narrative and code search summary.
 - Correspondence and documentation to the FCC and FAA.
 - b. Phase 2 – Pre-design
 - Signed and sealed copy of the final geotechnical investigation report.
 - c. Phase 3 – Design & Permitting
 - Five (5) sets of design documents to DAC for review at each of two (2) design milestones.
 - One (1) additional set for FAA at each of two (2) design milestones (as required).
 - Review documents will consist of drawings, specifications, cost estimates and supporting design information as listed in subsequent sections of this Scope of Services. Review drawing size will be full size (24x36) drawings. Each submittal will include electronic copies of the deliverables in Adobe PDF.
 - Number and types of documents as required for the permitting package. Pay for Permit Application fees with reimbursement from the CITY.
 - d. Phase 4 –Bidding & Contract Award
 - Final Bid Set drawings: One full size (24x36) set of mylars and/or computer disk; Full size (24 x 36) signed and sealed (1 set), plus one (1) unbound copy of technical specifications and/or computer disk including bid item description for bid form.
 - Advertising the Invitation to Bid together with printing and distribution of Bid Sets will be by the A/E with all costs to be reimbursed by the CITY.
 - Bid Openings will be by the CITY including one from the General Contractors and one from the ATC Equipment bidders.

SCOPE OF SERVICES
CTBX Aviation Group, LLC

LAS CRUCES ATCT
Las Cruces, New Mexico

III. ARCHITECT/ENGINEER'S SERVICES

A. GENERAL

ARCHITECT/ENGINEER will provide DAC with professional architectural/engineering and related support services as authorized by DAC for the project described in Section II. The services included in this scope of services are as follows:

PROJECT DESIGN VALIDATION & SCHEMATICS

- Code Reviews and FAA Criteria
- FAA and FCC Approvals to obtain Frequencies
- Concept Validation
- Schematic Design
- Aesthetics & Architectural Theme
- Preliminary Opinion of Probable Cost

DESIGN ACTIVITIES

- Geotechnical Investigation
- Air Traffic Control Electronics
- 50% and 90% Design Reviews
- Final Design
- Coordination with and responses to reviewing agencies
- Opinion of Probable Cost
- Plans & Specifications for Permit Applications
- Meet with CID in Las Cruces for Permitting Review
- Plans & Specifications for Bidding

BIDDING ASSISTANCE

- Assist with RFIs and Addenda during solicitation for Bids
- Review Bids and Recommendation for Award of Contract

CONSTRUCTION SERVICES

- Not currently in this Scope of Work but may be added by written and executed amendment.

B. ADMINISTRATIVE FUNCTIONS AND TASKS

The following administrative functions and tasks span all project phases

1. Technical Oversight

This task includes technical oversight of all design disciplines to maintain the guidelines of FAA A&E Project Manual and FAA Order 6480.7E, Airport Traffic Control Tower and Terminal Radar Approach Control Facility Design Guidelines. Provide technical coordination, if needed, with the FAA regarding project issues and design criteria. Provide the CITY with FAA Contract Tower

SCOPE OF SERVICES
CTBX Aviation Group, LLC

LAS CRUCES ATCT
Las Cruces, New Mexico

The Technical Project Manager shall be Brian M. Lally, P.E. who is located in the CTBX Cocoa Beach, Florida office, (321) 799-4511 (direct). CTBX Aviation Group, LLC shall dedicate this individual to this project throughout the authorized design and bidding phases. A substitution of this individual for the project management role shall not be made without the written consent of DAC.

2. Quality Control Activities

The A/E will conduct its own in-house peer reviews at each submittal milestone.

C. PHASE 1 –PROJECT DESIGN VALIDATION

After CITY authorization to proceed, A/E will perform the following services:

1. Meetings

a. This task will include the following meetings:

- Confirm Goals and Objectives: One (1) in Las Cruces with the Airport Manager, CITY and A/E team representatives.
- State and Local Code Compliance: One (1) in Las Cruces with building and fire departments and others as required. Shall be held during the same day or trip with the above meeting.

The A/E will prepare meeting agendas, meeting materials and summaries for the meetings.

2. Preliminary Code and Regulatory Review

- a. Preliminary Code and Regulatory Review. At the Code Compliance meeting, the A/E will compile list of applicable codes and regulatory requirements applicable to the project.
- b. Review FAA A/E Project Manual and FAA Order 7460.7E to apply relevant guidelines and requirements to the Project size and scope. Contact the FAA Contract Tower Program Implementation Manager at the Central Service Center, Planning & Requirements Group for specific input regarding this project and procedures.

3. Project Program Validation

Based on the tower site location and height that have been recommended by FAA AFTIL and selected by the CITY (Site 5), A/E will develop schematic level site plan, building floor plans, and elevations for the CITY's consideration. This task includes the following professional services:

- a. Document confirmation of code, regulatory, development review and permitting requirements from the meetings held (see above).
- b. The schematic plans will be revised to reflect input from the Code review meeting.
- c. After CITY approves the design schematics, A/E will prepare a Project Design Program to be used for design.

SCOPE OF SERVICES
CTBX Aviation Group. LLC

LAS CRUCES ATCT
Las Cruces, New Mexico

- d. This task will include:
- Submitting a frequency engineering request to the FAA.
 - Preparing and submitting FCC Forms for the acquisition of frequencies (ATIS, Local, Ground). Submission of these forms is contingent upon receipt of the FAA Aeronautical Study Number from the FAA Form 7460-1 subsequent to its approval (assumes 7460-1 process has been done by DAC).
 - Advance coordination with FAA regarding their provision of the Sector Shout Line to the new ATCT (assumes an FAA Reimbursable Agreement is already in place between the FAA and LRU).
 - Reviewing the schematics and electronics equipment list, as well as the proposed site plan by DAC, with the FAA Contract Tower Program Implementation Manager and establishing concurrence with the Project Design Program.

D. PHASE 2 – PRE-DESIGN ACTIVITIES

Based on DAC's and the CITY's direction after approval of the schematic design, the A/E will perform the following services:

1. Geotechnical:

- a. Through a subcontract with Geo-Test, Inc., perform geotechnical investigation and associated materials testing of subsurface conditions at the site. Refer to Attachments for specific services to be provided by the subconsultant.
- b. Deliverables: Signed and sealed copies of geotechnical report.

2. Survey:

- a. Topographic and detailed field survey and an existing conditions site plan will be provided by DAC.

E. PHASE 3 - DESIGN

During and after gathering the Pre-design data, the A/E will perform professional architectural and engineering services to prepare, from the approved Project Program documents, for approval by DAC and the CITY, Bidding and Construction Documents consisting of Drawings, Specifications and related documents setting forth the architectural and engineering technical requirements for construction of the Project. An opinion of probable construction costs will be provided at each milestone. Project milestone review meetings at the 50% and 90% level of effort will be held on site at the Las Cruces International Airport or at the DAC office in Albuquerque. One permitting review meeting will be held with CID in Las Cruces. The permitting fees will be paid for the CITY by the A/E which will be reimbursed by the CITY.

1. Building Architecture

Perform design of building including architectural elements, interiors and exteriors, meeting all applicable local, state and federal codes.

Architectural elements to be considered include:

- Architectural Floor Plans
- Life Safety Plan
- Roof Plans
- Reflected Ceiling Plans
- Exterior Elevations
- Building Sections
- Wall Sections
- Window and Frame Types
- Door and Hardware Schedule
- Finishes Schedule
- Interior and Exterior building details
- Partition Types, Notes and Details
- Interior Elevations of Restroom and kitchen/break areas
- Millwork will be standard commercial products specified by standard of quality and workmanship.

2. MEP&S (Mechanical, Electrical, Plumbing and Structural Engineering) elements to be considered include:

- Mechanical
 - Ventilation design
 - Air Conditioning and Heating design
 - Fuel supply system for ATCT generator set
 - Fire Protection System (as required by code and Fire Marshal)
- Electrical
 - Electrical service entrance with surge suppression and grounding
 - Emergency generator system
 - Control cab task and general lighting
 - Standard office lighting
 - Building card and remote access control, audio/video and security/safety lighting to cover gate, auto parking and tower entrance exterior.
 - Telecommunication (voice and telephone) structured pathways distributed throughout the building
 - Fire Alarm System
 - Lightning protection system and Grounding in accordance with FAA Standard 019E
 - Rotating Beacon (if on ATCT roof) and obstruction lighting
 - Site Lighting limited to that which can be affixed to the building
- Plumbing
 - Building rainwater roof drainage system, as applicable
 - Building sanitary drainage system
 - Building potable water system
 - Plumbing fixture selection and specifications
- Fire Suppression

If a sprinkler system is required by the CITY Building Department or Fire Marshal, the A/E will be the Design Criteria Engineer of Record for the Fire Protection System(s) and will develop in coordination

with CITY Fire Marshall's requirements, the Fire Protection System(s) design criteria; performance analysis as required; and is responsible for the preparation of the Fire Protection System Engineering Performance Documents. The components will include:

- Interior pipes and risers, sprinklers
 - Booster pumps and controls, if required
- Structural:
 - Design loading criteria including code and wind loading requirements.
 - Foundation design
 - Necessary structural calculations
 - Tower Cab and tower shaft framing and exterior building envelope design.
 - Prepare bidding and contract documents to include structural plans including tower and cab floor plans, roof framing plans, wall sections, schedules, details and specifications to describe the structural design elements of the building.
3. ATC Electronics:
- All communications and weather equipment that will be used by the air traffic controllers that is on the FAA's Contract Tower Minimum Equipment List will be specified together with relevant details and coordination in the architectural and engineering drawings.
 - Access Control (audio/video/remote control) and Airfield Lighting Controls will be specified and designed as part of this element.
 - The items specified will be in accordance with FAA JO 7210.54B, Appendix 2.
 - Provide space and electrical/grounding connectivity for FAA equipment.
4. Design Services Not Included in this Scope:
- a. Design of file servers, computers, or other building equipment not included in the FAA Contract Tower Minimum Equipment List.
 - b. Changes due to unusual or extenuating Agency requests for data collection or studies not specifically noted as being included in the scope of services.
 - c. Preparing and submitting FAA Form 7460-1, Notice of Proposed Construction or Alteration and supporting documents.
 - d. Design of FAA equipment relocations and/or reconnections such as AWOS-3.
 - e. Negotiating a Reimbursable Agreement or for other services to be provided by the FAA.

F. PHASE 4 - BIDDING AND CONTRACT AWARD PHASE

The Bidding/Contract Award Phase will follow the Design Phase and upon the CITY's Notice-to-Proceed to the A/E.

SCOPE OF SERVICES
CTBX Aviation Group, LLC

LAS CRUCES ATCT
Las Cruces, New Mexico

1. The A/E's Bidding and Contract Award phase services will include:
 - a. All printing and reproduction of Project bidding and contract documents (plans and specs, etc)
 - b. Sell Bid Sets to contractors and record contact information for each sale
 - c. Compile and distribute addenda
 - d. Preparing for and co-chair with DAC a pre-bid meeting and distribute a record of meeting.
 - e. Respond to written questions either directly from prospective bidders or routed through DAC, as desired. As warranted, in response to bidder's RFIs, the A/E will assist in preparing related modifications to the plans and/or specifications to be issued in addenda.
 - f. Assist DAC and the CITY in evaluating bids received.
2. It is understood the CITY will perform the following bidding phase activities:
 - a. Conduct all legal reviews of bids and of conformed construction documents.
 - b. Assembly of conformed sets of Contract Documents for execution of construction contracts with the awarded contractor.

G. PHASE 5 - CONSTRUCTION PHASE (TBD)

Construction Administration and related supports services are offered by the A/E and may be considered at a later date by an Amendment to this Scope of Services.

IV. OTHER INFORMATION AND ASSISTANCE TO BE PROVIDED BY THE CITY and/or DAC

1. Provide standard CITY contract documents, general conditions, special provisions, insurance requirements and other front end documents for bidding the plans and specifications.
2. Facilitate CITY plans reviews and permitting.
3. Prepare and publish legal and other notices required for workshops and council meetings.
4. Arrange for and provide meeting rooms for workshops and project.
5. Provide at no cost to A/E copies of drawings and other information which CITY has in its possession, as reasonably required for performance of A/E services.
6. Provide airport documents and information as needed to the A/E.
7. Topographic and detailed field survey and existing conditions plans.

V. SCHEDULE

The anticipated schedule to complete the tasks and scope of services will be mutually identified. The A/E will adhere to the schedule as the DAC desires which will be dependent on the A/E receiving the necessary data from the CITY, the FAA, FCC and DAC and the reviews from the CITY and review agencies being completed in a timely manner.

SCOPE OF SERVICES
CTBX Aviation Group. LLC

LAS CRUCES ATCT
Las Cruces, New Mexico

VI. OTHER PROVISIONS

A. DISADVANTAGED BUSINESS ENTERPRISE

A/E will provide DBE participation through its Structural Engineering subconsultant.

B. COMPENSATION

Compensation will be based on a combination of Lump Sum and Not-to-Exceed plus Fixed Fees for professional services totaling \$ 318,723.00. This does not include any New Mexico Gross Receipts Tax or other government fees. If applicable, taxes and government fees will be in addition to the Lump Sum amount stated above. A breakdown of the Lump Sum fee is shown on the attached "ATCT Fee Schedule" dated February 18, 2010. These services will be invoiced monthly as percent completes related to actual progress in the order of the project phases below.

PHASE 1	Project Program Validation
PHASE 2	Pre-Design Activities
PHASE 3	Design
PHASE 4	Bidding and Contract Award
PHASE 5	Construction Services (TBD)

Breakdown of fees and expenses are shown in the attached spreadsheet.

VII. ADDITIONAL SERVICES

Additional services shall be those not specifically described in the above Scope of Services. If additional services are necessary, they shall be described and authorized in writing through an Amendment as agreed and executed by both DAC and the A/E.

END PROFESSIONAL SERVICES AGREEMENT - February 26, 2010

2/28/2010

LAS CRUCES INTRNATL (LRU)
MANHOURS & COSTS BREAKDOWN

CTBX Aviation Group

TASK No.	TASK	ATCT/PM		ATC Equipment Specialist		CADD Tech		Principal Architect		Project Architect		Clerical	Total Hours	TOTAL LABOR FEES BY TASK	SUMMARY BY TASK
		MHs	MHs	MHs	MHs	MHs	MHs	MHs	MHs	MHs	MHs				
I	Project Design Validation												282		\$ 42,550.00
a	Pre Design Activities	24						24					50	\$ 7,990.00	
b	Meetings in NM	24						24					48	\$ 7,920.00	
c	Develop Prelim Tower Config	4				32		8	24				68	\$ 7,380.00	
d	Code Research Document	2						2	4				10	\$ 1,230.00	
e	Schematic Design & Program	4				40		8	32				86	\$ 9,050.00	
f	FAA FER & FCC License	42											44	\$ 7,000.00	
g	Coordination Shout Lines (assumes reimbursable agreement is in place between LRU and FAA)	12											12	\$ 1,980.00	
II	Siting Process N/A												0	\$ -	
a	FAA Mtg & 1 Work Session (M)												0	\$ -	
b	Review Plans & Topo Data												0	\$ -	
c	Utilities Inventory												0	\$ -	
d	Establish Permitting Reqs. (M)												0	\$ -	
e	Schem ATCT & Site Plan (D)												0	\$ -	
f	Opinion of Probable Cost (D)												0	\$ -	
g	SafetyRisk Management Doc(D)												0	\$ -	
III	Preliminary Design												469	\$ 54,535.00	
a	Establish Survey/Testing Prgrm	4											5	\$ 685.00	
b	50% Architectural Dwgs/Specs					120		20	80				232	\$ 22,720.00	
c	50% Electronics/Teico/Access				48	24		4					76	\$ 9,860.00	
d	50% ATC Design & QC	24						4					28	\$ 4,620.00	
e	Opinion of Probable Cost	2			6			8	16				32	\$ 4,640.00	
f	Design Review Meeting in NM	16						16					32	\$ 5,280.00	
g	Incorporate 50% Comments	4			4			8	16				64	\$ 6,720.00	
													0	\$ -	

PRINT DATE: 2/28/2010


**DELTA AIRPORT
CONSULTANTS, INC.**

January 5, 2010

Mr. Greg Byres
Summit Engineering
4680 Riverwood Road
Las Cruces, New Mexico 88007

RE: Request for Proposal
Design Ground Surveys
Construct Air Traffic Control Tower
Las Cruces International Airport
Las Cruces, New Mexico
AIP Project No. 3-35-0024-Pending
Delta Project No. NM 09098

Dear Mr. Byres:

Delta Airport Consultants is requesting a proposal from your firm to provide Design Ground Surveys for the above referenced project at Las Cruces International Airport. This project will include the construct of a new Air Traffic Control Tower and access road. A marked layout of the project site is enclosed for your review and reference.

SCOPE OF WORK

Item 1

1. Baseline "RD" shall be set as indicated on the enclosed layout. Stations shall be indicated on the baseline at 50 foot intervals. PK nails (paved areas) and flag stakes (turf areas) shall be set at each even 200 foot station along the baseline. Spot elevations shall be taken on a 25 foot grid, at each edge of pavement, and breaks in grade in the area surrounding the intersection as outlined in blue on the enclosed sketch.
2. Locations of all utilities within the marked survey area (underground and above) shall be marked and identified. Utility structures shall be given with top elevations. Waterlines and sewer lines shall be traced to the next junction or appurtenance upstream and downstream outside the project limits.
3. Drainage structure (information and description) within the marked survey area shall be given with top elevations, inverts (in and out for all connections) inside pipe diameters, pipe and manhole construction materials, etc. Drainage outfall lines existing within the project limits shall be traced to the next junction point outside the project limits.

9098C007

4801 Lang Ave., NE, Suite 110 • Albuquerque, New Mexico 87109
phone: (505) 798-2615 • fax: (505) 796-9601 • www.deltaairport.com

Mr. Greg Byres
 January 5, 2010
 Page 2

4. Layout and stake approximately twenty-four (24) soil boring locations by station and offset from Baseline "RD" for use in subsurface investigation. The approximate boring locations are shown on the enclosed boring location exhibit.

Item 2

5. Please provide and install three (3) benchmarks at locations requested by the Engineer. Benchmarks should be substantial enough to withstand weathering and traffic, as applicable. Other control, as such USGS monuments, PAC's/SAC's monuments, or HARN control, etc. shall be identified as such. Please re-verify any existing benchmarks in the area.

Item 3

6. A cost for three (3) days of design survey should be included separately. This shall include both field and office time. These services will be required on short notice to verify critical elevations.

FORMAT

7. Horizontal control shall be based on the state plane coordinate System NAD 83. Vertical control shall be based on NGS NAVD 88 datum. Spot elevations shall be given to ± 0.01 feet for paved sections and ± 0.1 feet for turfed sections. Locations of permanent items within the project limits shall be shown relative to Baseline "RD" (horizontal control ± 0.05 feet).

8. It is requested that three (3) files (AutoCAD release 2000 or later) containing the following information be submitted for our use:

File 1 - [09098plan.dwg] - Planimetrics files (All objects in this file shall have zero elevation.)

File 2 - [09098cont.dwg] - Contours file. This file should include contours, contour labels and spot information.

File 3 - [09098bkln.dwg] - Breaklines used to generate the contours.

- The drawing world shall be oriented with the State Plane Coordinate System NAD 83.
- The grid pattern on the drawings shall be based on the State Plane Grid Coordinate System

Mr. Greg Byres
 January 5, 2010
 Page 3

- No elevations shall be assigned to any lines or objects in the planimetrics file. Only contours, breaklines and spot elevations shall have elevations assigned to them.
 - All spots shall be on the appropriate layer and contain an attribute for elevation and point description.
 - All contours shall be continuous polylines with intermediate and index layers. (Break contours for annotation only.)
 - All existing features shall be placed in the drawing files using the appropriate layers and linetypes, as specified in the attached "Standard Request for Proposal Layers" list. A digital copy of Delta's standard drawing template file (delta.dwt) and standard linetype definition file (delta.lin) is enclosed.
 - All text in the drawing file shall be standard (Arial font), sized to match "Leroy" standard templates (80, 100, 120, etc.) scaled for a 1"= 30' plot scale.
 - Drawing entities shall have color and linetype set "BYLAYER".
 - If any non-standard symbols are used in the drawing, provide a copy of the necessary code required to load and edit the drawing as submitted.
 - No linework shall be broken in order to add specific "patterns" to create the look of a custom linetype. (An example of this would be breaking a line at specific intervals to add an "X" text object to distinguish a fenceline.) As stated, a copy of Delta's standard linetype definition file is included. If the surveyor is unable to use this linetype definition file, the "continuous" linetype should be used in place of Delta's custom linetypes. No additional text items or symbols should be placed along the line to "approximate" a custom linetype.
9. It is also requested that two (2) ASCII text point files be included, both should be in the format: point number, northing, easting, elevation, description (P,N,E,Z,D)
- File 4: [09098SPC.asc] - All points given in the State Plane Grid Coordinate System.
- File 5: [09098BLC.asc] - Same points as given in "File 4" translated to Baseline "RD" station and offset coordinates.
10. All computer files (drawing files and ASCII points files) shall be submitted on CD or DVD (+R/+RW formats preferred).

Mr. Greg Byres
 January 5, 2010
 Page 4

11. Please prepare proposal showing separate line item cost each for Items 1, 2, and 3.

GENERAL

12. If accepted, your proposal shall serve as a basis for a not-to-exceed contract directly with Delta Airport Consultants, Inc. The proposal should include a fee schedule, estimated workhours, anticipated non-salary cost and a "not-to-exceed" ceiling figure. A copy of Delta's subconsultant contract has been attached for your review.
13. As soon as your services are complete, your firm should invoice Delta Airport Consultants, Inc. Your invoice will then be included with the next Delta invoice. Payment for your services will be forwarded within fourteen (14) days upon receipt of payment from the Owner. In order to be included with the next Delta invoice, your invoice should be received no later than the 25th of the month.
14. The invoice shall, at a minimum, include the following:
- a. Project name
 - b. Airport name
 - c. Delta project number
 - d. Invoice number
 - e. Workhour cost, with breakdown of hours and fees
 - f. Non-salary costs
15. All crews working in the active aircraft operation areas shall have aviation band radios and monitor the UNICOM Frequency (122.7 MHZ) at all times. All activities on the airfield shall be coordinated with the Owner and the Engineer prior to the start of work. It should be anticipated that work will be completed "under traffic". The work crews shall be prepared to clear the runway and taxiway safety areas during aircraft operations as ordered by the Owner.
16. All activities on the airfield shall be coordinated with the Engineer, the Owner and the Airport Manager must be contacted prior to beginning any reconnaissance and/or field work inside and outside the Airport Security fence or adjacent properties.
- Ms. Lisa Murphy, AICP
 Airport Manager
 Las Cruces International Airport
 Phone Number: (575) 541-2471
17. Companies whose employees perform work on the airport shall have General Liability Insurance with a minimum coverage of \$1,000,000.

Mr. Greg Byres
January 5, 2010
Page 5

18. If your firm is a disadvantaged business enterprise (DBE), provide a copy(s) of current certification by a State or Federal agency(s), preferably where the project is located.

Delta is requesting your proposal on or before January 11, 2010. It is anticipated that a notice-to-proceed for your work will be given during Spring 2010. Upon receipt of the written notice-to-proceed, it is requested that a copy of the electronic files for the requested surveys be forwarded to our office within thirty (30) days.

If you should have any questions concerning this matter, please do not hesitate to contact our office.

Sincerely,

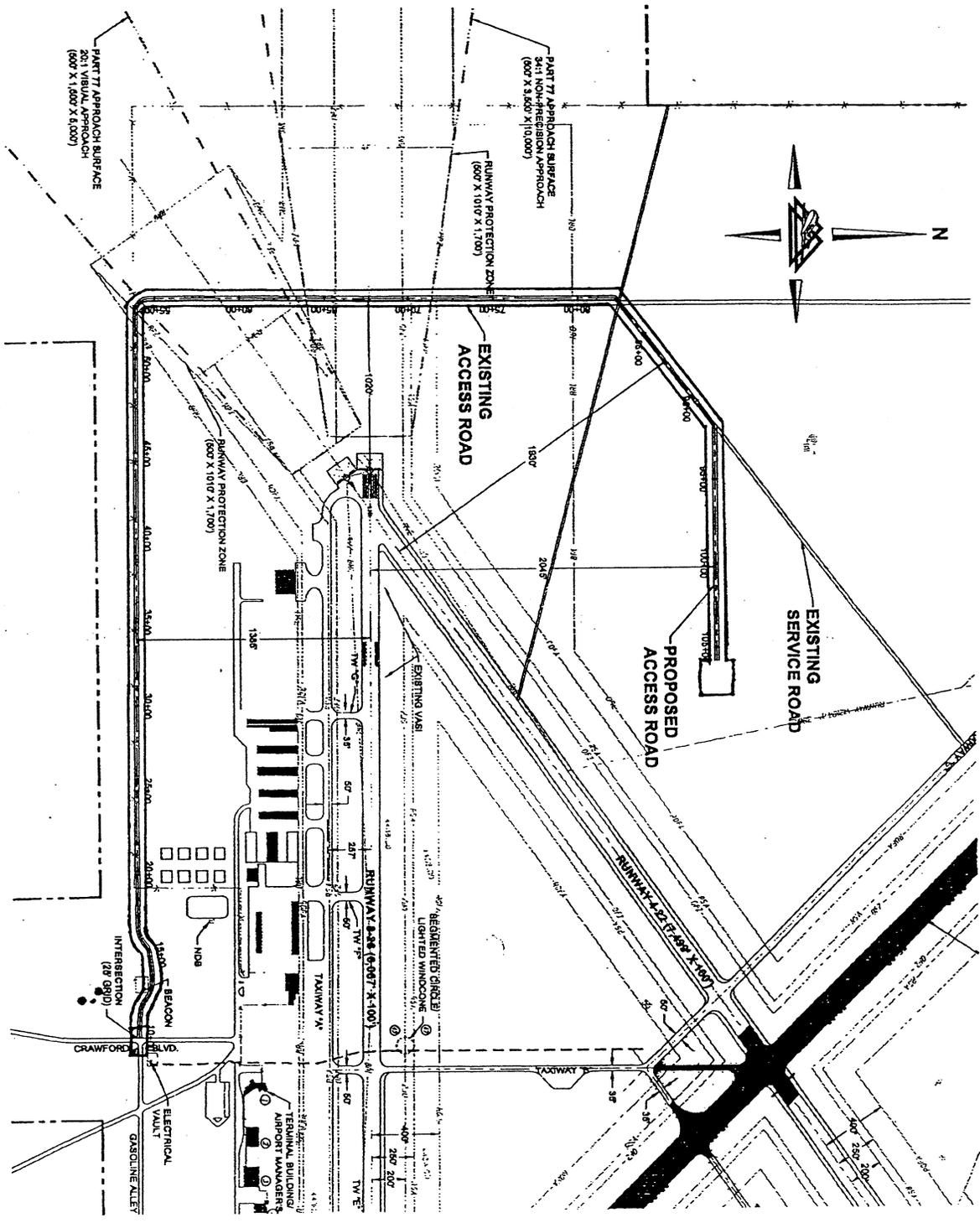


Nicole E. Menninger, E.I.
NEM/ssh

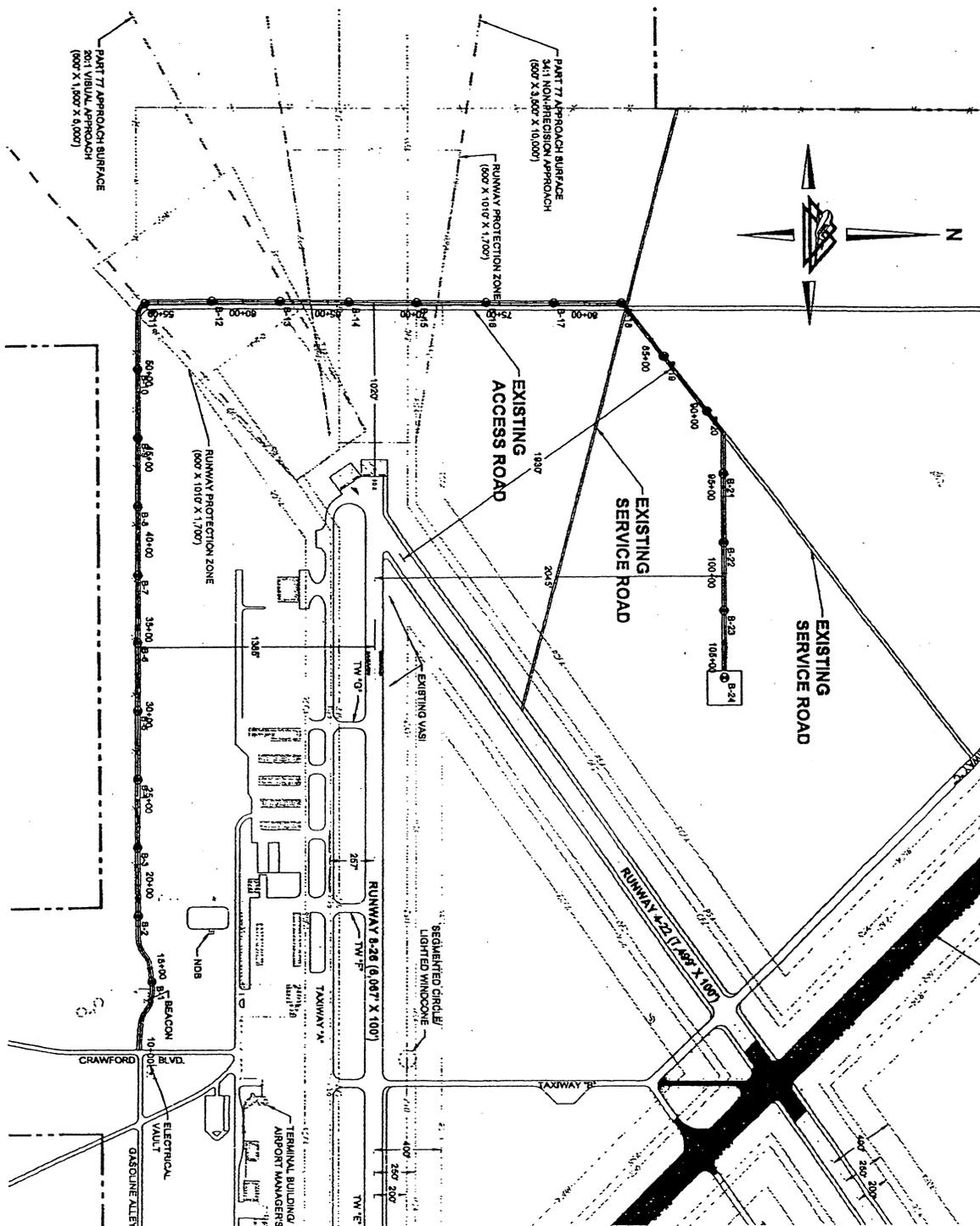
Enclosures

cc: Lisa L. Murphy, AICP, Airport Manager

w/encl.



1" = 400'



1" = 600'

January 10, 2010

Delta Airport Consultants, Inc.
415 N. McKinley, Suite 505
Little Rock, AR 72205

Scanned

Attn: Nicole E. Menninger

RE: Cost Proposal For Design Ground Surveys
Air Traffic Control Tower, Las Cruces International Airport
Las Cruces, New Mexico

Dear Ms. Menninger:

As requested, we have prepared a cost proposal for performing design ground surveys for the access road and ATCT site, at the Las Cruces International Airport. The ground survey would produce planimetric and topographic information for the area referenced in your request for proposals, for the proposed Air Traffic Control Tower. As per your request for proposals, work completed under the scope of work would comply with the following:

Work Item 1

1. Baseline "RD" would be established as indicated in the maps enclosed in the RFP. The baseline would be established at 50 foot stations and marked at 200 foot stations. At the intersections, spot elevations would be taken along a 25 foot grid and include all edge of pavements and breaks in grade. All utilities and drainage structures would be located and referenced as per the scope of work. Horizontal control shall be based on State Plane Coordinate System, Nad 83. Vertical control shall be based on NGS NAVD 88. Layout 24 Soil Borings along Baseline "RD".

Description	Unit Rate	Hours	Cost
Field Crew	\$175.00	48 hrs	\$8,400.00
Survey Technician	\$75.00	16 hrs	\$1,200.00
Drafting Technician	\$65.00	32 hrs	\$2,080.00
			Total \$11,680.00

Work Item 2

1. Provide and install three benchmarks at locations requested by the Engineer. Benchmarks shall be substantial enough to withstand weathering and traffic, as applicable. Existing USGS monuments, PAC's/SAC's monuments or HARN control, etc. shall be identified as such. All existing benchmarks in the area shall be re-verified.



SUMMIT ENGINEERING

CIVIL ENGINEERING - DESIGN - CONSULTING

PO BOX 375 FAIRACRES, NEW MEXICO 88033 (575) 527-5321 FAX (575) 527-1161

Las Cruces International Airport
Delta Airport Consultants, Inc.

January 10, 2010
Page 2

Description	Unit Rate	Hours	Cost
Field Crew	\$175.00	8 hrs	\$1,400.00
Survey Technician	\$75.00	6 hrs	\$ 450.00
		Total	\$1,850.00

Work Item 3

1. Provide for three days of design survey, this will include field and office time.

Description	Unit Rate	Hours	Cost
Field Crew	\$175.00	24 hrs	\$4,200.00
Survey Technician	\$75.00	24 hrs	\$1,800.00
		Total	\$6,000.00

Above costs do not include applicable tax.

Should you have any questions concerning this proposal, we would welcome the opportunity to review and clarify. We certainly appreciate your consideration of our firm for the engineering services required for the project.

Respectfully submitted:

SUMMIT ENGINEERING, LLC



Greg D. Byres, P.E.

Acceptance of this proposal may be indicated by signing the attached acceptance form and returning a copy of this proposal.

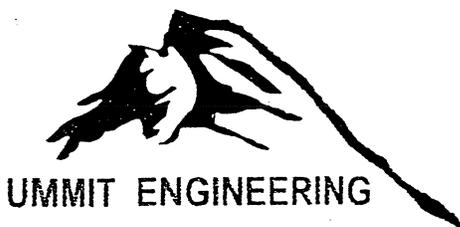
Accepted

For _____
(Organization or Individual)

Accepted

By _____
(Name)

Signature _____ Date _____



UMMIT ENGINEERING



**DELTA AIRPORT
CONSULTANTS, INC.**

December 31, 2009

Mr. Tim Byres, P.E.
Geo-Test
2805 Las Vegas Court #A
Las Cruces, New Mexico 88007

RE: Request for Proposal
Design Geotechnical Services
Construct Air Traffic Control Tower
Las Cruces International Airport
Las Cruces, New Mexico
AIP Project No. 3-35-0024-Pending
Delta Project No. NM 09098

Dear Mr. Byres:

Delta Airport Consultants, Inc. is requesting a proposal from your firm to provide Design Geotechnical Services for the above referenced project at Las Cruces International Airport. The project will include the construction of a new Air Traffic Control Tower and access road. A marked layout of the project site is enclosed for your review and reference.

The proposal shall be based on the following scope of work:

SCOPE OF WORK

1. Twenty-four (24) borings will be required in the proposed tower and access road area. The boring locations may be adjusted in the field as required to avoid existing utilities, structures, etc., and as recommended by the on-site geotechnical engineer. It is anticipated that the proposed construction will be "at grade" and in slight fill; therefore, all borings shall extend to a depth of ten (10) feet below the ground surface.

For all borings, classification and depth of each soil group by the Unified Classification System (visual method) shall be recorded. The approximate depth of water table should be reported. Liquid limit, plastic limit, in-place moisture content, and sieve analysis of the existing soil materials shall be obtained in accordance with normal procedure as necessary to determine suitability for structural fill. Bag samples shall be obtained as necessary to run laboratory CBR's at optimum moisture and standard proctor for each soil type. The material shall be analyzed for suitability as borrow and for ease of excavation.

The depth of existing topsoil should be reported. Samples of the existing topsoil and subsoil shall be obtained and a basic soil fertility test completed on each. One (1) composite sample may represent up to fifteen (15) acres of the same type of ground cover (i.e., forest, pasture, etc.). The composite sample shall include a small sample from each acre.

09098C006

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Mr. Tim Byres
December 31, 2009
Page 2

2. Approximately three (3) additional borings shall be placed in the surrounding work area at the discretion of the geotechnical engineer.
3. For boring B-1, split spoon borings to a depth of ten (10) feet below the pavement subgrade will be required. The asphalt pavement, where applicable, shall be cored to preclude surface damage. The depth of each pavement layer shall be clearly noted.
4. All borings shall be refilled and firmly compacted at the completion of the field work each day. The field crew shall not leave the site until all borings have been checked to assure satisfactory backfill and no settlement.
5. All boring locations shall be reported with approximate station and offset from the proposed roadway centerline. The stationing on the enclosed plan shall be used. The borings shall also be marked and flagged in the field for location by Delta's ground surveyor.
6. The geotechnical report should include all test data, recommendations concerning the quantity and quality of rock, if any, the suitability of the soil material for the embankment, description/recommendations on the condition of the existing pavement structure, design CBR recommendations, equivalency factors for existing pavements versus new pavements, as well as any other pertinent recommendations. The report should be sealed by a registered professional engineer in the State of New Mexico.

GENERAL

7. If accepted, your proposal shall serve as a basis for a not-to-exceed contract directly with Delta Airport Consultants, Inc. The proposal should include a fee schedule, estimated workhours, anticipated non-salary cost and a "not-to-exceed" ceiling figure. A copy of Delta's subconsultant contract has been attached for your review.
8. As soon as your services are complete, your firm should invoice Delta Airport Consultants, Inc. Your invoice will then be included with the next Delta invoice. Payment for your services will be forwarded within fourteen (14) days upon receipt of payment from the Owner. In order to be included with the next Delta invoice, your invoice should be received no later than the 25th of the month.
9. The invoice shall, at a minimum, include the following:
 - a. Project name
 - b. Airport name
 - c. Delta project number
 - d. Invoice number
 - e. Workhour cost, with breakdown of hours and fees
 - f. Non-salary costs

Mr. Tim Byres
December 31, 2009
Page 3

10. All crews working in the active aircraft operation areas shall have aviation band radios and monitor the UNICOM Frequency (122.7 MHZ) at all times. All activities on the airfield shall be coordinated with the Owner and the Engineer prior to the start of work. It should be anticipated that work shall be performed "under traffic". The work crews shall be prepared to clear the runway and taxiway safety areas during aircraft operations as ordered by the Owner.
11. The Airport Manager must be contacted prior to beginning any reconnaissance and/or field work inside and outside the Airport Security fence or adjacent properties.

Ms. Lisa L. Murphy, AICP
Airport Manager
Las Cruces International Airport
Phone: (575) 541-2471

12. Companies whose employees perform work on the airport shall have General Liability Insurance with a minimum coverage of \$1,000,000.
13. If your firm is a disadvantaged business enterprise (DBE), provide a copy(s) of current certification by a State or Federal agency(s), preferably where the project is located.

Delta is requesting your proposal on or before January 11, 2010. It is anticipated that a notice-to-proceed for your work will be given during Spring 2010. Upon receipt of the written notice-to-proceed, it is requested that the geotechnical report be forwarded to our office within thirty (30) days.

If you should have any questions concerning this matter, please do not hesitate to contact our office.

Sincerely,



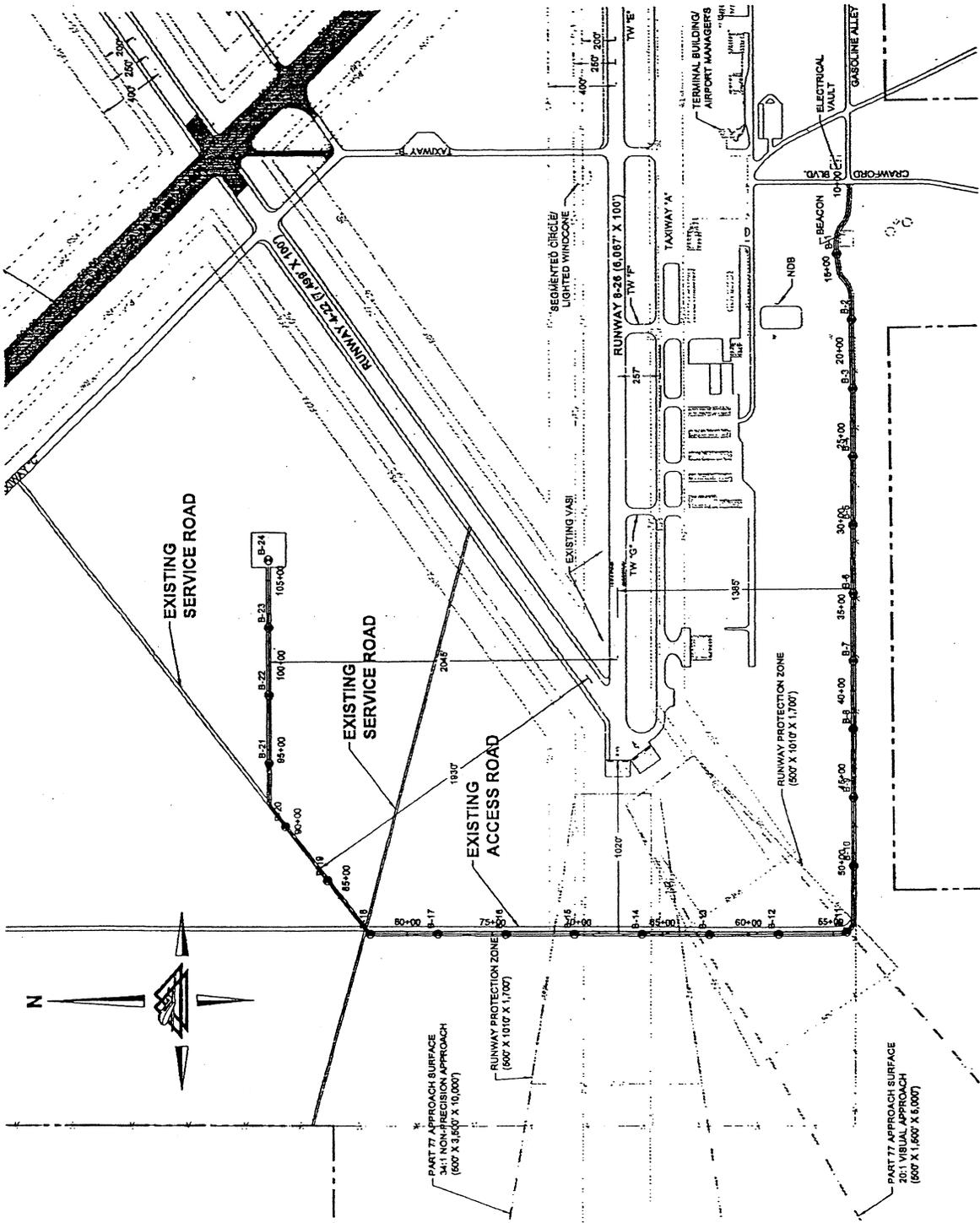
Nicole E. Menninger, E.I.
NEM/nem

Enclosures

cc: Lisa L. Murphy, AICP, Airport Manager

w/encl.

1" = 100'



EO-TEST

January 6, 2010

Delta Airport Consultants, Inc.
 4801 Lang Avenue NE, Suite 110
 Albuquerque, New Mexico 87109

ATTN: Ms. Nicole Menninger, EI

**RE: Geotechnical Engineering Services
 Las Cruces International Airport
 Air Traffic Control Tower Access Road
 Las Cruces, New Mexico**

Dear Ms. Menninger:

As requested we are submitting a proposal for Geotechnical Engineering Services for the above referenced project. It is our understanding that the project will include construction of the air traffic control tower access road. The alignment is currently in use but is unpaved.

The investigation would include the following:

1. MOBILIZATION AND DEMOBILIZATION

A soil sampling drill rig and necessary drilling and sampling tools would be moved to the site and removed from the site at completion of the field investigation.

2. FIELD INVESTIGATION

A total of 27 borings (24 in the access road alignment and 3 in the general area) would be drilled to 10 feet below the existing grade, or to auger refusal. Standard penetration tests and split spoon or open end drive sampling would be conducted in the borings at depths of 0.5 feet, 2.5 feet, 5 feet, and at 10 feet. Borings may be terminated at shallower depths should practical auger refusal be experienced.

3. LABORATORY TESTING

Laboratory testing would be limited to those tests necessary to gather sufficient information for engineering analysis based on subsurface

GEO-TEST, INC.
 3204 RICHARDS LANE
 SANTA FE,
 NEW MEXICO
 87507
 (505) 471-1101
 FAX (505) 471-2245

8528 CALLE ALAMEDA NE
 ALBUQUERQUE,
 NEW MEXICO
 87113
 (505) 857-0933
 FAX (505) 857-0803

2805-A LAS VEGAS CT.
 LAS CRUCES,
 NEW MEXICO
 87107
 (575) 526-6260
 FAX (575) 523-1660

conditions encountered. Testing may include determining in place moisture content, and performing grain size distribution and Atterberg limits determinations. CBR (Standard Proctor) tests will be performed on selected samples of each soil type.

Selected samples or composite samples will be submitted to the NMSU SWAT laboratory for standard soil nutrient analysis.

4. FINAL DATA REDUCTION AND REPORT

Information gathered in the field and laboratory investigation would be reduced and analyzed. An engineering report would be prepared presenting the results of field and laboratory investigations as follows:

1. Logs of test borings, a site plan showing their approximate location and a description of procedures and equipment used in the field program.
2. Results of laboratory tests.
3. A description of the geotechnical profile, soil moisture content and groundwater, if encountered.
4. Recommendations on soil stabilization, if necessary.
5. General specifications for site grading, and backfill criteria.
6. Recommendations for design CBR values.

Based on available information, we feel the investigation previously outlined will be adequate to provide needed subsurface information.

Charges for the scope of work outlined herein would be \$12,750.00 plus applicable taxes. Nutrient testing will be performed for an additional fee of \$32.00 per sample, plus applicable taxes. Acceptance of this proposal is indicated by signing the following acceptance form and returning it to this office.

In recognition of the relative risks and benefits of the project to both the Client and Geo-Test, the risks have been allocated such that the Client agrees that, to the fullest extent permitted by law, Geo-Test's total liability to the Client for any and all injuries, claims, losses, expenses, damages or claim expenses arising out of this agreement from any cause or causes, shall not exceed \$25,000.00. Such causes include, but are not limited to, Geo-Test's negligence, errors, omissions, strict liability, breach of contract or breach of warranty.

GEO-TEST, INC.
 3204 RICHARDS LANE
 SANTA FE,
 NEW MEXICO
 87507
 (505) 471-1101
 FAX (505) 471-2245

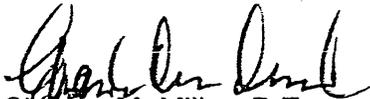
8528 CALLE ALAMEDA NE
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 FAX (505) 857-0803

2805-A LAS VEGAS CT.
 LAS CRUCES,
 NEW MEXICO
 88007
 (575) 526-6260
 FAX (575) 523-1660

Our professional services would be performed, our findings obtained, and our recommendations prepared in accordance with generally accepted engineering principles and practices at this time and location. This warranty is in lieu of all other warranties either express or implied.

Should you have any questions concerning this proposal, we would welcome the opportunity to review and clarify. We certainly appreciate your consideration of our firm for the geotechnical engineering services required for the project.

Respectfully submitted:
GEO-TEST, INC.


Charles M. Miller, P.E.

Terms of payment are net 14 days from date Delta Airport Consultants, Inc. receives payment from their client. Payment not received within this time period will be charged interest of 1.5 percent per month, an effective annual rate of 18 percent.

Accepted for _____
(Organization Responsible for Payment)

By _____
Name & Title

Signature _____ Date _____

GEO-TEST, INC.
3204 RICHARDS LANE
SANTA FE,
NEW MEXICO
87507
(505) 471-1101
FAX (505) 471-2245

8528 CALLE ALAMEDA NE
ALBUQUERQUE,
NEW MEXICO
87113
(505) 857-0933
FAX (505) 857-0803

2805-A LAS VEGAS CT.
LAS CRUCES,
NEW MEXICO
87707
(575) 526-6260
FAX (575) 523-1660


**DELTA AIRPORT
CONSULTANTS, INC.**

December 31, 2009

Mr. Greg Byres
Summit Engineering
4680 Riverwood Road
Las Cruces, New Mexico 88007

RE: Request for Proposal
Design Aerial Surveys
Construct Air Traffic Control Tower
Las Cruces International Airport
Las Cruces, New Mexico
AIP Project No. 3-35-0024-Pending
Delta Project No. NM 09098

Dear Mr. Byres:

Delta Airport Consultants is requesting a proposal from your firm to provide Design Aerial Surveys for the above referenced project at Las Cruces International Airport. The project will include the construction of a new Air Traffic Control Tower and access road. A marked layout of the project site is enclosed for your review and reference.

The proposal shall be based on the following scope of work:

SCOPE OF WORK

1. It is requested that topographic and planimetric information be compiled for the area marked in red on the enclosed Airport layout.

FORMAT

2. Horizontal control shall be based on State Plane Coordinate System NAD 83. Vertical control shall be based on NGS NAVD 88. Please reverify all existing benchmarks by datum and physical condition.
3. Provide mapping for use at a 1"=30' scale with 1' contours. Maps shall be produced in accordance with *National Map Accuracy Standards*.
4. Establish the proposed access road centerline in State Plane Coordinate System NAD 83 in accordance with Delta's Design Ground Survey RFP dated January 4, 2010. Provide a centerline spot elevation at each end of the proposed access road as well as interim spot elevations approximately every 2,500'.

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Mr. Greg Byres
 December 31, 2009
 Page 2

5. Provide two (2) sets of flight line photographs. Provide digital copies of the image files (TIFF format), triangulation files, and camera/lens calibration report. These files may be submitted on CD or DVD (+R/+RW formats preferred).
6. Provide a digital copy of the aerial photograph on CD or DVD (+R/+RW formats preferred). The digital photograph shall be in TIFF format. The resolution of the photograph shall be set such that a 9" x 9" image file is 1,200 DPI. Geo-referencing files shall be provided to allow for insertion into AutoCAD at the correct scale and orientation.
7. It is requested that four (4) files (AutoCAD release 2000 or later) containing the following information be submitted for our use:

File 1 – [09098plan.dwg] - Planimetrics files (All objects in this file shall have zero elevation.)

File 2 – [09098cont.dwg] - Contours file. This file should include contours, contour labels and spot information.

File 3 - [09098bkln.dwg] - Breaklines used to generate the contours.

File 4 - [09098mass.asc] – All mass points generated and shown in the above CAD files.

- The drawing world shall be oriented with the State Plane Coordinate System NAD 83.
- The grid pattern on the drawings shall be based on the State Plane Coordinate System NAD 83.
- No elevations shall be assigned to any lines or objects in the planimetrics file. Only contours, breaklines and spot elevations shall have elevations assigned to them.
- All spots shall be on the appropriate layer and contain an attribute for elevation and point description.
- All contours shall be continuous polylines with intermediate and index layers. (Break contours for annotation only.)
- All existing features shall be placed in the drawing files using the appropriate layers and linetypes, as specified in the attached "Standard Request for Proposal Layers" list. A digital copy of Delta's standard drawing template file (delta.dwt) and standard linetype definition file (delta.lin) will be provided under separate cover.

Mr. Greg Byres
 December 31, 2009
 Page 3

- No linework shall be broken in order to add specific "patterns" to create the look of a custom linetype. (An example of this would be breaking a line at specific intervals to add an "X" text object to distinguish a fenceline.) As stated, a copy of Delta's standard linetype definition file is included. If the surveyor is unable to use this linetype definition file, the "continuous" linetype should be used in place of Delta's custom linetypes. No additional text items or symbols should be placed along the line to "approximate" a custom linetype.
 - All text in the drawing file shall be standard (Arial font), sized to match "Leroy" standard templates (80, 100, 120, etc.) scaled for a 1"= 30' plot scale.
 - Drawing entities shall have color and linetype set "BYLAYER".
 - If any non-standard symbols are used in the drawing, provide a copy of the necessary code required to load and edit the drawing as submitted.
8. All computer files shall be submitted on CD or DVD (+R/+RW formats preferred).

GENERAL

9. All crews working in the active aircraft operation areas shall have aviation band radios and monitor the UNICOM Frequency (122.7 MHZ) at all times. All activities on the airfield shall be coordinated with the Owner and the Engineer prior to the start of work. It should be anticipated that work will be completed "under traffic". The work crews shall be prepared to clear the runway and taxiway safety areas during aircraft operations as ordered by the Owner.
10. The Airport Manager must be contacted prior to beginning any reconnaissance and/or field work inside and outside the Airport Security fence or adjacent properties.
- Ms. Lisa L. Murphy, AICP
 Airport Manager
 Las Cruces International Airport
 Phone Number: (575) 541-2471
11. Companies whose employees perform work on the airport shall have General Liability Insurance with minimum coverage of \$1,000,000.
12. If accepted, your proposal shall serve as a basis for a not-to-exceed contract directly with Delta Airport Consultants, Inc. The proposal should include a fee schedule, estimated workhours, anticipated non-salary cost and a "not-to-exceed" ceiling figure. A copy of Delta's subconsultant contract has been attached for your review.

Mr. Greg Byres
December 31, 2009
Page 4

13. As soon as your services are complete, your firm should invoice Delta Airport Consultants, Inc. Your invoice will then be included with the next Delta invoice. Payment for your services will be forwarded within fourteen (14) days upon receipt of payment from the Owner. In order to be included with the next Delta invoice, your invoice should be received no later than the 25th of the month.
14. The invoice shall, at a minimum, include the following:
 - a. Project name
 - b. Airport name
 - c. Delta project number
 - d. Invoice Number
 - e. Workhour cost, with breakdown of hours and fees
 - f. Non-salary costs
15. If your firm is a disadvantaged business enterprise (DBE), provide a copy(s) of current certification by a State or Federal agency(s), preferably where the project is located.

Delta is requesting your proposal on or before January 11, 2010. It is anticipated that a notice-to-proceed for your work will be given during Spring 2010. Upon receipt of the written notice-to-proceed, it is requested that a copy of the electronic files for the requested surveys be forwarded to our office within thirty (30) days.

If you should have any questions concerning this matter, please do not hesitate to contact our office.

Sincerely,



Nicole E. Menninger, E.I.
NEM/nem

Enclosure

cc: Lisa L. Murphy, AICP, Airport Manager

w/encl.

May 5, 2010

Delta Airport Consultants, Inc.
7804 Pan American Freeway, Suite 4
Albuquerque, New Mexico 87109

Attn: Kenneth W. Moody, P.E.

**RE: Revised Cost Proposal For Design Aerial Surveys
Air Traffic Control Tower, Las Cruces International Airport
Las Cruces, New Mexico**

Dear Mr. Moody:

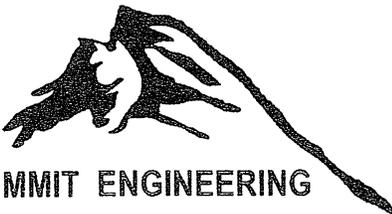
As requested, we have prepared a cost proposal for performing design aerial surveys of a portion of the Las Cruces International Airport. The Aerial Survey would produce planimetric and topographic information for the area referenced in your request for proposals, for the proposed Air Traffic Control Tower. As per the scope of work in your request for proposals, work completed under the scope of work would comply with the following:

1. Horizontal control shall be based on State Plane Coordinate System, Nad 83. Vertical control shall be based on NGS NAVD 88. Verification of existing benchmarks would be performed and documented.
2. Maps would be produced using a scale of 1" = 30', topography would be indicated with 1 foot contours. All mapping would be performed in accordance with National Map Accuracy Standards
3. The proposed access road centerline shall be established in the field, with elevations determined at the ends and at 2,500' intervals.
4. Deliverables shall conform to the requirements addressed in the request for proposals, Items 5-8.
5. Compliance shall also be adhered to as directed in Items 9 thru 15.

The cost for the above described services would be as follows:

Lump Sum amount for services described above: \$51,220.00

Above costs do not include applicable tax.



SUMMIT ENGINEERING

CIVIL ENGINEERING -DESIGN -CONSULTING PO BOX 375 FAIRACRES, NEW MEXICO 88033 (575) 527-5321 FAX (575) 527-1161

Las Cruces International Airport
Delta Airport Consultants, Inc.

May 5, 2010
Page 2

Should you have any questions concerning this proposal, we would welcome the opportunity to review and clarify. We certainly appreciate your consideration of our firm for the engineering services required for the project.

Respectfully submitted:

SUMMIT ENGINEERING, LLC



Greg D. Byres, P.E.

Acceptance of this proposal may be indicated by signing the attached acceptance form and returning a copy of this proposal.

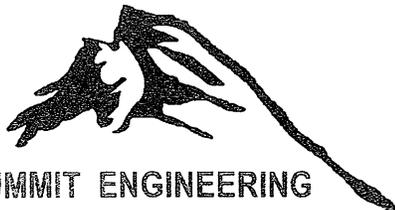
Accepted

For _____
(Organization or Individual)

Accepted

By _____
(Name)

Signature _____ Date _____



SUMMIT ENGINEERING



**DELTA AIRPORT
CONSULTANTS, INC.**

December 31, 2009

Mr. Greg Byres
Summit Engineering
4680 Riverwood Road
Las Cruces, New Mexico 88007

RE: Request for Proposal
Utility Design
Construct Air Traffic Control Tower
Las Cruces International Airport
Las Cruces, New Mexico
AIP Project No. 3-35-0024-Pending
Delta Project No. NM 09098

Dear Mr. Byres:

Delta Airport Consultants, Inc. is requesting a proposal from your firm to provide utility design services for the above referenced project at Las Cruces International Airport. The project will include the construction of a new Air Traffic Control Tower (ATCT) and access road. A marked layout of the project site is enclosed for your review and reference.

The proposal shall be based on the following scope of work:

SCOPE OF WORK

Item 1

1. Design of the water service for the proposed ATCT. The scope shall include design and coordination with Delta, the ATCT designer, and the appropriate local agencies.
2. Design of the sewer system to serve the proposed ATCT. The scope shall include system selection, site selection, design, and coordination with Delta, the ATCT designer, and the appropriate state and local agencies. Any soil testing required for the design shall be included in your scope of work.
3. Preparation of construction plans and specifications for the water and sewer systems.
4. Preparation of a detailed cost estimate for each installation.

09098C004

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Mr. Greg Byres
December 31, 2009
Page 2

GENERAL

5. Delta will provide both planimetric and topographic survey information for your use in completing the design.
6. If accepted, your proposal shall serve as a basis for a contract directly with Delta Airport Consultants, Inc. The proposal should include a lump sum fee for the design through bidding phase and a not-to-exceed budget for reimbursables. A fee schedule and estimated workhours should be provided to substantiate the lump sum fee. A copy of Delta's subconsultant contract has been attached for your review.
7. As soon as your services are complete, your firm should invoice Delta Airport Consultants, Inc. Your invoice will then be included with the next Delta invoice. Payment for your services will be forwarded within fourteen (14) days upon receipt of payment from Owner. In order to be included with the next Delta invoice, your invoice should be received no later than the 25th of the month.

Delta is requesting your proposal on or before January 11, 2010. It is anticipated that a notice-to-proceed for your work will be given during Spring 2010.

If you should have any questions concerning this matter, please do not hesitate to contact our office.

Sincerely,



Nicole E. Menninger, E.I.
NEM/nem

Enclosures

cc: Lisa L. Murphy, AICP, Airport Manager

w/encl.

January 10, 2010

Delta Airport Consultants, Inc.
415 N. McKinley, Suite 505
Little Rock, AR 72205

Scanned

Attn: Nicole E. Menninger

RE: Cost Proposal For Utility Design
Air Traffic Control Tower, Las Cruces International Airport
Las Cruces, New Mexico

Dear Ms. Menninger:

As requested, we have prepared a cost proposal for performing the Utility Design for the proposed Air Traffic Control Tower. As per the scope of work in your request for proposals, our proposal includes the following:

1. Design the water service for the proposed ATCT. This shall include design and coordination with Delta, the ATCT designer and the appropriate local agencies.
2. Design of the sewer system to serve the proposed ATCT. Including system selection, site selection, design and coordination with Delta, the ATCT designer and the appropriate state and local agencies.

Included in items 1 and 2 would be the preparation of construction drawings and specifications. Upon completion of the design of each of the systems, a complete cost estimate would be prepared.

It is understood that Delta will provide a complete planimetric and topographic survey of the project area.

The cost for the above described services would be as follows:

Lump Sum amount for services described above: \$14,420.00

Fee schedule and estimated work hours:

<u>Description</u>	<u>Hourly Rate</u>	<u>Estimated Hours</u>
Engineer	\$100.00/hr	32 hours
Technician	\$75.00/hr	48 hours



SUMMIT ENGINEERING

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Las Cruces International Airport
Delta Airport Consultants, Inc.

January 10, 2010
Page 2

<u>Description</u>	<u>Hourly Rate</u>	<u>Estimated Hours</u>
Drafter	\$65.00/hr	46 hours
Administrative	\$45.00/hr	22 hours

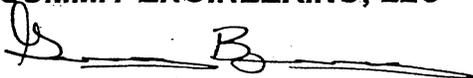
Geotechnical engineering services would be required for the sewer design and are included in the lump sum cost.

Above costs do not include applicable tax.

Should you have any questions concerning this proposal, we would welcome the opportunity to review and clarify. We certainly appreciate your consideration of our firm for the engineering services required for the project.

Respectfully submitted:

SUMMIT ENGINEERING, LLC



Greg D. Byres, P.E.

Acceptance of this proposal may be indicated by signing the attached acceptance form and returning a copy of this proposal.

Accepted

For _____

(Organization or Individual)

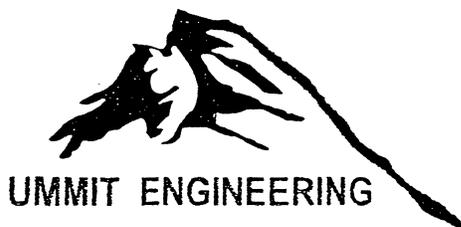
Accepted

By _____

(Name)

Signature _____

Date _____



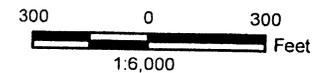
Site 5

Parking

ATCT

LEGEND

-  Building
-  Parking and Other Pavement
-  Access Road
-  New Segment of Access Road
-  Fence
-  Property Line



G:\Projects\Las Cruces International Airport\ATCT EA\24342767\Applications\mxd\EA figures\Chapter 1\Figure 1.1-3_ATCT Alternative 2 (Site 5 - Proposed Project).mxd (ref. 05/23/08)



Environmental Assessment
Las Cruces International Airport
Air Traffic Control Tower

ATCT ALTERNATIVE 2
(SITE 5 - PROPOSED PROJECT)

FIGURE
1.1-3