

# City of Las Cruces<sup>®</sup>

PEOPLE HELPING PEOPLE

## Council Action and Executive Summary

Item # 13

Ordinance/Resolution# 11-12-329

For Meeting of \_\_\_\_\_  
(Ordinance First Reading Date)

For Meeting of October 17, 2011  
(Adoption Date)

**TITLE:** A RESOLUTION APPROVING A BID AWARD TO CF JORDAN CONSTRUCTION, LLC, OF EL PASO, TEXAS, IN THE AMOUNT OF \$4,467,096.00 FOR THE REHABILITATE TAXIWAY ALPHA PHASE TWO PROJECT AT THE LAS CRUCES INTERNATIONAL AIRPORT, APPROVING AWARD OF A CONTRACT TO DELTA AIRPORT CONSULTANTS, INC., OF ALBUQUERQUE, NEW MEXICO, IN THE AMOUNT OF \$878,409.00, AUTHORIZING THE ACCEPTANCE OF A GRANT IN THE AMOUNT OF \$144,312.00 FROM THE NEW MEXICO DEPARTMENT OF TRANSPORTATION AVIATION DIVISION, AND ADJUSTING THE FY 2011/2012 ADOPTED BUDGET.

### PURPOSE(S) OF ACTION:

To enter into contracts with CF Jordan Construction, LLC and Delta Airport Consultants, Inc., for the rehabilitation of Taxiway Alpha at the Las Cruces International Airport, to accept an NMDOT Grant and to adjust the budget.

<b>COUNCIL DISTRICT: 4</b>		
<b><u>Drafter/Staff Contact:</u></b> Lisa Murphy	<b><u>Department/Section:</u></b> Transportation/Airport	<b><u>Phone:</u></b> 541-2471
<b><u>City Manager Signature:</u></b>		

### BACKGROUND / KEY ISSUES / CONTRIBUTING FACTORS:

The rehabilitation of Taxiway Alpha has long been an airport priority due to its deteriorating pavement and non-standard design. Recently, the City was offered a Federal Aviation Administration (FAA) Airport Improvement Program Grant as well as a New Mexico Department of Transportation Aviation Division Grant to fund this project.

The Rehabilitate Taxiway Alpha Phase Two (Phase One refers to the engineering design phase of the project, which was completed last year) Project scope will include replacing existing pavement and subgrade, replacing the taxiway electrical system, and marking and striping the completed taxiway. The project will also include a relocation of the taxiway 43 feet to the south in order to bring it into compliance with current FAA airfield design standards. The project is expected to take 300 calendar days.

The Rehabilitate Taxiway Alpha Phase Two Project was advertised for bids starting on July 3, 2011. The project was bid with six alternates, each consisting of different sections of the

(Continue on additional sheets as required)

taxiway, as staff was unsure as to how much FAA funding would be available. Bids were opened on July 26, 2011. Four bids were received. The bids were reviewed by the Purchasing Section and the airport's consulting engineer, Delta Airport Consultants, Inc. Of the four bids received, three bids were found to be compliant with specifications. Because the bids came in well within available grant amounts, the FAA elected to go forward with Bid Alternate One, which was the broadest in scope and will result in the reconstruction of the entire taxiway. The lowest responsive bid was from CF Jordan Construction, LLC, of El Paso, Texas, at a cost of \$4,467,096.00, which was significantly less than the engineer's estimate of \$5,467,425.00. Other project costs that will be funded by these grants include airport consulting engineer Delta Airport Consultants' fee for engineering and project management in the amount of \$878,409.00, as well as general project administration costs. Delta Airport Consultants, Inc., is the on-call architectural and engineering services firm for the airport. They are currently in the fourth year of a possible five-year contract. Delta's fee was reviewed through the Independent Fee Estimate process and found to be reasonable.

The taxiway rehabilitation project will cost a total of \$5,772,505.00 (inclusive of New Mexico Gross Receipts Tax) and will be funded as follows: \$5,483,879.00 (95%) from FAA Airport Improvement Grant AIP-03-035-0026-2011, \$144,312.00 (2.5%) from the New Mexico Department of Transportation Aviation Division, and \$144,314.00 (2.5%) from the City. As this project was not expected to receive funding this year, it was not budgeted for this fiscal year. Authority to apply for and accept the FAA Grant and adjust the budget to properly account for this project as well as budget for the City's match was approved pursuant to Resolution 12-046 on September 6, 2011. Approval is still needed to accept the New Mexico Department of Transportation Aviation Division Grant. Approval of this resolution will not only award the contracts, but will constitute acceptance of the NMDOT Grant in the amount \$144,312.00, and will also adjust the airport's FY 2011/2012 budget by that amount to properly account for the funds.

#### **SUPPORT INFORMATION:**

1. Resolution 11-12-329.
2. Exhibit "A1", Purchasing Manager's Request to Contract with CF Jordan Construction, LLC.
3. Exhibit "A2", Purchasing Manager's Request to Contract with Delta Airport Consultants, Inc.
4. Exhibit "B", Contract with CF Jordan Construction, LLC for the Rehabilitate Taxiway Alpha Phase Two Project.
5. Exhibit "C", Professional Services Agreement with Delta Airport Consultants, Inc., for construction phase services for the Rehabilitate Taxiway Alpha Phase Two Project.
6. Exhibit "D", New Mexico Department of Transportation Aviation Division Grant.
7. Exhibit "E", Budget Adjustment Request.
8. Attachment "A", Bid Tabulation.
9. Map of Taxiway Alpha.

(Continue on additional sheets as required)

**SOURCE OF FUNDING:**

Is this action already budgeted?	Yes	<input checked="" type="checkbox"/>	See fund summary below
	No	<input type="checkbox"/>	If No, then check one below:
	Budget Adjustment Attached	<input type="checkbox"/>	Expense reallocated from: _____
		<input checked="" type="checkbox"/>	Proposed funding is from a new revenue source (i.e. grant; see details below)
		<input type="checkbox"/>	Proposed funding is from fund balance in the _____ Fund.
Does this action create any revenue?	Yes	<input checked="" type="checkbox"/>	Funds will be deposited into this fund: 4300 Airport Improvement Fund in the amount of \$144,312.00 for FY 2012.
	No	<input type="checkbox"/>	There is no new revenue generated by this action.

**BUDGET NARRATIVE**

This project is funded 95% FAA Airport Improvement Program grant, 2.5% NMDOT Aviation Division and 2.5% City of Las Cruces. The 2.5% local match was taken from Fund 4001 (Facilities General Fund) as per Resolution 12-046.

**FUND EXPENDITURE SUMMARY:**

Fund Name(s)	Account Number(s)	Expenditure Proposed	Available Budgeted Funds in Current FY	Remaining Funds	Purpose for Remaining Funds
Airport Improvement Fund	43806050-854132-70B12	\$5,628,191.00	\$5,628,191.00*	\$0	N/A
Facilities General Fund (match)	40803020-854132-70B12	\$144,314.00	\$144,314.00	\$0	N/A

\*pending adjustment

**OPTIONS / ALTERNATIVES:**

- Vote "Yes"; this will allow staff to award a contract to CF Jordan Construction, LLC, of El Paso, Texas, for the reconstruction of Taxiway Alpha in the amount of \$4,467,096.00, award a contract to Delta Airport Consultants, Inc., of Albuquerque, New Mexico, in the amount of \$878,409.00 for engineering services, accept a New Mexico Department of Transportation (NMDOT) Aviation Division grant in the amount of \$144,312.00, and adjust the FY 2011/2012 adopted budget.

(Continue on additional sheets as required)

2. Vote "No"; this will result in no contract being awarded to CF Jordan Construction, LLC, of El Paso, Texas, or Delta Airport Consultants, Inc., of Albuquerque, New Mexico, and no acceptance of the NMDOT grant. This would result in a significant delay in the completion of the project or even loss of the FAA and NMDOT grants.
3. Vote to "Amend"; this would require specific City Council direction to staff as to what type of amendment is desired.
4. Vote to "Table"; this could delay the contract award to CF Jordan Construction, LLC, of El Paso, Texas, and Delta Airport Consultants, Inc., of Albuquerque, New Mexico, and may result in the loss of the FAA and NMDOT grants.

**REFERENCE INFORMATION:**

The resolution(s) and/or ordinance(s) listed below are only for reference and are not included as attachments or exhibits.

1. Resolution No. 12-046

(Continue on additional sheets as required)

**RESOLUTION NO. 11-12-329**

**A RESOLUTION APPROVING A BID AWARD TO CF JORDAN CONSTRUCTION, LLC, OF EL PASO, TEXAS, IN THE AMOUNT OF \$4,467,096.00 FOR THE REHABILITATE TAXIWAY ALPHA PHASE TWO PROJECT AT THE LAS CRUCES INTERNATIONAL AIRPORT, APPROVING AWARD OF A CONTRACT TO DELTA AIRPORT CONSULTANTS, INC., OF ALBUQUERQUE, NEW MEXICO, IN THE AMOUNT OF \$878,409.00, AUTHORIZING THE ACCEPTANCE OF A GRANT IN THE AMOUNT OF \$144,312.00 FROM THE NEW MEXICO DEPARTMENT OF TRANSPORTATION AVIATION DIVISION, AND ADJUSTING THE FY 2011/2012 ADOPTED BUDGET.**

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**, Taxiway Alpha has long been in need of repair due to its deteriorating pavement and non-standard design; and

**WHEREAS**, the City has been offered Federal Aviation Administration (FAA) Grant Number AIP-03-35-0024-26 in the amount of \$5,483,879.00, and a grant from the New Mexico Department of Transportation (NMDOT) Aviation Division, in the amount of \$144,312.00, to help fund this project; and

**WHEREAS**, staff recommends acceptance of a grant in the amount of \$144,312.00 from the NMDOT Aviation Division and the adjustment of the FY 2011/2012 adopted budget; and

**WHEREAS**, the City solicited bids from contractors for the Rehabilitate Taxiway Alpha Phase Two Project; and

**WHEREAS**, four bids were received and opened by Purchasing staff on July 26, 2011; and

**WHEREAS**, the bids have been reviewed and staff recommends the award of a contract for the Rehabilitate Taxiway Alpha Phase Two Project to CF Jordan Construction, LLC in the amount of \$4,467,096.00; and

**WHEREAS**, staff recommends award of a contract for project construction phase services to the airport's on-call architectural and engineering firm, Delta Airport Consultants, Inc., in the amount of \$878,409.00.

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

**(I)**

**THAT** the acceptance of a New Mexico Department of Transportation Aviation Division grant in the amount of \$144,312.00 is hereby approved.

**(II)**

**THAT** the Rehabilitate Taxiway Alpha Phase Two Project is hereby awarded to CF Jordan Construction, LLC, of El Paso, Texas, in the amount of \$4,467,096.00, including NMGRT.

**(III)**

**THAT** a contract for construction phase services for the Rehabilitate Taxiway Alpha Phase Two Project is hereby awarded to Delta Airport Consultants, Inc., in the amount of \$878,409.00, including NMGRT.

**(IV)**

**THAT** the City's Fiscal Year 2011/2012 budget is adjusted as shown in Exhibit "E", attached hereto and made part of this Resolution.

(V)

THAT City staff is hereby authorized to do all deeds necessary in the accomplishment of the herein above.

DONE AND APPROVED this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

APPROVED:

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

(SEAL)

Moved by: \_\_\_\_\_

Seconded by: \_\_\_\_\_

VOTE:

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

APPROVED TO FORM:

  
\_\_\_\_\_  
City Attorney

**CITY OF LAS CRUCES**

**PURCHASING MANAGER'S REQUEST TO CONTRACT**

For Meeting of: October 17, 2011

Resolution No.: 11-12-329

**Contract Purchase For  
Rehabilitate Taxiway Alpha Phase Two**

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

**BID SOLICITATION INFORMATION:**

- 1. Bid Due Date: July 26, 2011
- 2. Description: Rehabilitate Taxiway Alpha Phase Two
- 3. Using Department: Transportation
- 4. Number of Responses Accepted: Three (3)
- 5. Recommended Award(s) To: CF Jordan Construction, LLC of El Paso, TX
- 6. Total Award Amount (includes any tax and contingency): \$4,467,096.00
- 7. Contract Duration: 300 calendar days

**LOCAL PREFERENCE FACTOR**

Local Preference Factor Applied Per LCMC §24-100	No	<input checked="" type="checkbox"/>	LCMC §24-100 not applicable to this solicitation
	Yes	<input type="checkbox"/>	Made A Difference To Bid Awards(s) Made No Difference To Bid Award(s)

**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 24-91**.

  
 Purchasing Manager 1/10/5/11  
Date

**CONFIRMATION OF FUND ENCUMBRANCE:**

REQUISITION or PURCHASE ORDER NUMBER:	TBD
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# CITY OF LAS CRUCES

## PURCHASING MANAGER'S REQUEST TO CONTRACT

For Meeting of: October 17, 2011

Resolution No.: 11-12-329

### Existing Contract Purchase For Airport A & E Services – Rehabilitate Taxiway Alpha Phase Two

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/ September 16, 2008**
- 2. Description of Bid/RFP: **Airport A & E Services – Rehabilitate Taxiway Alpha Phase Two**
- 3. Number of Original Responses Accepted: **Eight (8)**
- 4. Existing Contract Expiration Date: **September 2, 2012**
- 5. Last Contract Renewal by Council: **Resolution No. 11-12-358/ September 6, 2011**
- 6. Using Department: **Transportation**
- 7. Current Award Recommendation To: **Delta Airport Consultants, Inc. of Albuquerque, NM**
- 8. Total Award Amount (includes any tax and contingency) **\$878,409.00**
- 9. Contract Duration: **300 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

1/10/7/11  
 Date

#### CONFIRMATION OF FUND ENCUMBRANCE:

REQUISITION OR PURCHASE ORDER NUMBER:	TBD
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**CONTRACT****REHABILITATE TAXIWAY "A" AT LAS CRUCES INTERNATIONAL AIRPORT**

THIS AGREEMENT made and entered into this \_\_\_\_ day of \_\_\_\_\_, 2011, by and between the City of Las Cruces (Party of the First Part, hereinafter called the Owner) and C.F. Jordan Construction LLC (Party of the Second Part, hereinafter called the Contractor).

**WITNESSETH:** That the said Contractor has agreed and by these presents does agree with the said Owner, for the consideration herein mentioned in his/her proposal and under the penalty expressed in Bonds, hereto attached, to furnish all equipment, tools, material, skill and labor of every description necessary to carry out and complete in good, firm, substantial, and workmanlike manner, the work specified in strict conformity with the Drawings, and the Specifications hereinafter set forth. The work covered by this Agreement includes all work shown on the plans and specifications and listed in the attached Proposal from the Contractor submitted in response to the Owner's Request for Bid No. 11-12-329 to Rehabilitate Taxiway "A" (Alternate One) at Las Cruces International Airport.

The Contractor shall commence the work with adequate force and equipment on a date to be specified in a written Notice to Proceed from the Owner and shall complete the work within three hundred (300) calendar days from and including said date. The Contractor shall fully guarantee his/her workmanship and materials furnished for a period of one year following the date of final acceptance of the work. The performance and payment bonds shall remain in full force for this one year period. As a condition of final acceptance, the Contractor shall have executed, and submit to the Owner, the Warranty of Construction and the Lien and Claims Release forms that have been attached to this contract document.

If said work is not completed within the time stated above, the Contractor shall be liable and hereby agrees to pay to the Owner as liquidated damages and not as a penalty, the amount of Three Thousand dollars (\$3,000.00) per calendar day for each and every part of a day thereafter that said work remains substantially incomplete.

The Owner shall pay and the Contractor shall receive the unit prices stipulated in the Contractor's Proposal hereto attached as full compensation for everything furnished and done by the Contractor in the estimated total of Four Million Four Hundred Sixty-Seven Thousand Ninety-Six Dollars (\$4,467,096.00) plus New Mexico Gross Receipts Tax (NMGR) based on the quantities completed in an acceptable manner, which sum shall be

**CONTRACT****REHABILITATE TAXIWAY "A" AT LAS CRUCES INTERNATIONAL AIRPORT**

paid in the manner and terms specified in the Contract Documents, but, before issuance of certificates of payments if the Contractor shall not have submitted evidence satisfactory to the Owner that all payrolls, materials, bills, and other indebtedness connected with the work have been paid, the Owner may withhold, in addition to the retained percentages such amount or amounts as may be necessary to pay just claims for labor and services rendered and materials in and about the work, and such amount or amounts withheld or retained may be applied by the Owner to the payment of such just claim. Items of work called out in the plans or specifications that are not specifically listed in the bid form shall be considered as incidental to a listed bid item(s), or to the project as a whole.

It is further mutually agreed between the parties hereto that if, at any time after the execution of this agreement and the surety bond hereto attached for its faithful performance, the first party shall deem the surety or sureties upon such bonds to be unsatisfactory, or if, for any reason, such bonds cease to be adequate to cover the performance of the work, the second party shall at its expense, within five days after the receipt of notice from the first party so to furnish an additional bond or bonds in such form and amount, and with surety or sureties as shall be satisfactory to the first party. In such event, no further payment to the second party shall be deemed to be due under this agreement until such new or additional security for the faithful performance of the work shall be furnished in a manner and form satisfactory to the first party.

In the event that it should become necessary, any question or controversy regarding formation, construction, interpretation, validity, and enforcement of this Agreement, and the rights or obligations of the signatory parties hereto, shall be resolved only by lawfully instituted proceedings in the Circuit Court of the County of Dona Ana, New Mexico, and the substantive law of the state of New Mexico or federal law, where applicable, shall govern resolution of any such question or controversy. In the event any provisions of this Agreement shall be held to be invalid or unenforceable, the remaining provisions shall be valid and binding upon the parties.

The Owner's Purchasing Manager has been authorized to sign this Agreement by Owner's Resolution No. 11-12-329 adopted on the \_\_\_\_\_ day of \_\_\_\_\_ 2011.

**CONTRACT**

**REHABILITATE TAXIWAY "A" AT LAS CRUCES INTERNATIONAL AIRPORT**

IN WITNESS WHEREOF, the parties hereto have executed this Agreement in quadruplicate, the \_\_\_\_ day of \_\_\_\_\_ 2011.

**OWNER:**

\_\_\_\_\_

City of Las Cruces, New Mexico

Owner

P.O. Box 8000

Address

Las Cruces, New Mexico 88004

**ATTEST:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Signature

Robert B. Telles

Name

Purchasing Manger

Title

**CONTRACTOR:**

\_\_\_\_\_

C.F. Jordan Construction LLC

Contractor

7700 C.F. Jordan Drive

Address

El Paso, Texas 79912

**ATTEST:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Signature

Name

Title

(SEAL)

Approved As To Form

Executed in Quadruplicate

BY:

\_\_\_\_\_

(Owner's Attorney)

**TASK ORDER NO. ELEVEN (11) REVISED****TO THE****AGREEMENT FOR PROFESSIONAL SERVICES****BETWEEN****CITY OF LAS CRUCES, NEW MEXICO****THE OWNER****AND****DELTA AIRPORT CONSULTANTS, INC.****THE ENGINEER****DATE: August 24, 2011  
Revised October 6, 2011****AIP PROJECT NO. 3-35-0024-026-2011****DELTA PROJECT NO. NM 10078****REHABILITATE TAXIWAY "A" – ALTERNATE 1  
(CONSTRUCTION PHASE SERVICES)**

**TASK ORDER NO. ELEVEN (11) REVISED**

**TO THE AGREEMENT  
FOR PROFESSIONAL SERVICES**

**BETWEEN OWNER AND ENGINEER**

**August 24, 2011  
Revised October 6, 2011**

This Task Order No. Eleven (11) - Revised, dated October 6, 2011, 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 7:**

**7.20 REHABILITATE TAXIWAY "A" – ALTERNATE 1 – Construction Phase Services**

Construction phase services will be compensated on a unit price plus fixed fee basis. Compensation for these services shall be limited to a budget amount of \$816,409 and an estimated NMGRT of \$62,000 unless written authorization has been received from the Owner. The budget amount is based on the estimated cost as outlined in Attachment "TO 11-1-Revised."

The following attachments are made part of this Agreement:

Attachment "TO 11-1-Revised" Estimated Workhours and Summary of Fees (Article 7.20)  
Attachment "TO 11-2" Subconsultant RFP's and Proposals  
Attachment "TO 11-3" Fee Schedule

**TASK ORDER NO. ELEVEN (11) REVISED**

All other provisions of the original Agreement remain unchanged.

OWNER:

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

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Signature

DATE: \_\_\_\_\_

Witness

ENGINEER:

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

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Kenneth W. Moody, P.E.

DATE: 10/6/2011

  
Witness

**ATTACHMENT "TO 11-1-Revised"**

**ESTIMATED WORKHOURS AND SUMMARY OF FEES  
(ARTICLES 7.20)**

**ATTACHMENT "TO 11-1 Revised"**  
**Estimated Workhours - Article 7.20**

Rehabilitate Taxiway "A" - Alternate 1  
 Construction Phase Services

Las Cruces International Airport  
 Las Cruces, New Mexico

AIP Project No. 3-35-0024-026-2011  
 Delta Project No. NM 10078

Date: October 6, 2011.

Description	No.	PRIN (hr)	PM/RP (hr)	DP (hr)	PP/PA (hr)	Field Rep (hr)
<b>CONSTRUCTION OBSERVATION</b>		300 Calendar Days				
Preconstruction Conference	1	0	12	12	4	0
Site Visits/Progress Meetings	20	8	120	120	0	0
Site Visits/Progress Meeting Notes	20	0	24	16	12	0
Construction Correspondence		8	48	40	60	0
Coordinate Resident Project Rep. (daily)		8	160	80	0	0
Shop Drawing Review & Coordination		0	40	80	40	0
Contractor QC Plan Review		0	16	40	8	0
JMF Review & Coordination		0	24	48	24	0
Coordinate QA Testing		0	24	48	40	0
Review Test Results		0	24	72	40	0
Review Contractor Pay Request	12	0	16	36	12	0
Owner Coordination		0	64	40	20	0
FAA/State Coordination		0	64	20	20	0
Pre-Final Inspection	1	0	12	12	4	0
Final Inspection	1	0	12	12	4	0
Final Quantity Review		0	12	24	16	0
Basic Service Hours Subtotal:		24	672	700	304	0
<b>SPECIAL SERVICES</b>						
Independent Fee Estimate Package		0	8	8	8	0
Subconsultant Coordination		0	48	40	24	0
Coordinate Award		0	12	8	8	0
Contract Forms & Coordination		0	12	8	8	0
Project Application		0	4	8	8	0
Released for Construction Documents		0	16	40	96	0
QA/Construction Management Plan		4	16	24	16	0
FAA Pay Request/Budget Summary	14	0	16	40	12	0
Construction/Record Drawings		0	24	40	80	0
Final Project Report		2	16	48	48	0
Final Project/Grant Closeout		2	16	24	24	0
Update ALP (for project)		0	4	8	16	0
Resident Project Representative						
Mobilization		0	0	0	0	24
Preconstruction Conference		0	0	0	0	8
Primary (60 Hrs/Week)		0	0	120	0	2460
Punch List Completion		0	0	0	0	50
Demobilization		0	0	0	0	24
Special Service Hours Subtotal:		8	192	416	348	2,566

**ATTACHMENT "TO 11-1 Revised"**  
**Summary of Fees - Article 7.20**

Rehabilitate Taxiway "A" - Alternate 1  
 Construction Phase Services

Las Cruces International Airport  
 Las Cruces, New Mexico

AIP Project No. 3-35-0024-026-2011  
 Delta Project No. NM 10078

Date: October 6, 2011

Description	Est Hrs	Hourly Rate	Est Cost
<b>1 <u>Work Hour Cost (w/Overhead)</u></b>			
a) Basic Services			
Principal	24	\$198	4,752
Project Manager / Registered Professional	672	\$159	106,848
Design Professional	700	\$102	71,400
Project Production / Administrative	304	\$73	22,192
Field Representative	0	\$77	0
Subtotal:	1700		\$205,192
b) Special Services			
Principal	8	\$198	1,584
Project Manager / Registered Professional	192	\$159	30,528
Design Professional	416	\$102	42,432
Project Production / Administrative	348	\$73	25,404
Field Representative	2,566	\$77	197,582
Subtotal:	3530		\$297,530
<b>2 <u>Reimbursable Expenses</u></b>			
Travel & Miscellaneous			13,500
Printing			7,500
Per Diem (300 CD + 25 Pre/Post/Punch List)	325	\$135	43,875
QA Testing (Geo-Test)			93,125
Construction Surveys (Summit)			27,200
As-Built/AGIS Surveys (Woolpert)			28,487
Subtotal:			\$213,687
<b>3 <u>Estimated Cost</u></b>			\$716,409
<b>4 <u>Fixed Fee</u></b>			\$100,000
<b>Unit Price + Fixed Fee:</b>			\$816,409
<b>5 <u>Cost Allowance (per AC 150/5100-14D)</u></b>			\$0
<b>NMGRT (Est.):</b>			\$62,000
<b>Article 7.20 Budget Amount:</b>			<b>\$878,409</b>

**ATTACHMENT "TO 11-2"**  
**SUBCONSULTANT RFP's and PROPOSALS**


**DELTA AIRPORT  
CONSULTANTS, INC.**

June 22, 2011

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

**Subject: Request for Proposal – Quality Acceptance Testing**  
Rehabilitate Taxiway "A"  
Las Cruces International Airport  
AIP Project No. 3-35-0024-023 (Design)  
AIP Project No. 3-35-0024-Pending (Construction)  
Delta Project No. NM 10078

Dear Mr. Byres:

Delta Airport Consultants, Inc. is preparing a contract for construction phase services for the above referenced project at Las Cruces International Airport. The project will include the rehabilitation (reconstruction) of Taxiway "A".

Delta requests that your firm submit a proposal for materials acceptance testing based on the following scope of work:

#### SCOPE OF WORK

1. The proposed alternates are as follows:
  - a. Alternate 1 – Rehabilitate Taxiway "A", Rehabilitate Taxiways "B", "E", "F", and "G"
  - b. Alternate 2 – Rehabilitate Taxiway "A" from east of Taxiway "G" to Runway 26/Runway 30, Rehabilitate Taxiways "B", "E", and "F"
  - c. Alternate 3 – Rehabilitate Taxiway "A" from the western edge of the aircraft apron to Runway 26/Runway 30, Rehabilitate Taxiway "B" and "E"
  - d. Alternate 4 – Rehabilitate Taxiway "A" from Taxiway "E" to Runway 26/Runway 30, Rehabilitate Taxiway "E"
  - e. Alternate 5 – Rehabilitate Taxiway "A" from the eastern edge of the aircraft apron to Runway 26/Runway 30
  - f. Alternate 6 – Rehabilitate Taxiway "A" from Runway 4/Runway 8 to east of Taxiway "G", Rehabilitate Taxiway "G"
  
2. The acceptance testing services for Alternate 1 shall include the following materials and approximate quantities:
  - a. Approximately 64,700 square yards of Item P-152 Subgrade
  - b. Approximately 64,700 square yards of Item P-304 Cement Treated Base Course
  - c. Approximately 16,500 tons of Item P-401 Bituminous Surface Course
  - d. Approximately 2,800 linear feet of Item D-701 Reinforced Concrete Pipe backfill

10078C023

7804 Pan American Freeway NE, Suite 4 • Albuquerque, New Mexico 87109

phone: (505) 797-4921 • fax: (505) 797-1725 • www.deltairport.com

Mr. Tim Byres, P.E.  
June 22, 2011  
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3. The acceptance testing services for Alternate 2 shall include the following materials and approximate quantities:
  - a. Approximately 53,000 square yards of Item P-152 Subgrade
  - b. Approximately 53,000 square yards of Item P-304 Cement Treated Base Course
  - c. Approximately 13,600 tons of Item P-401 Bituminous Surface Course
  - d. Approximately 2,800 linear feet of Item D-701 Reinforced Concrete Pipe backfill
4. The acceptance testing services for Alternate 3 shall include the following materials and approximate quantities:
  - a. Approximately 45,000 square yards of Item P-152 Subgrade
  - b. Approximately 45,000 square yards of Item P-304 Cement Treated Base Course
  - c. Approximately 11,600 tons of Item P-401 Bituminous Surface Course
  - d. Approximately 2,800 linear feet of Item D-701 Reinforced Concrete Pipe backfill
5. The acceptance testing services for Alternate 4 shall include the following materials and approximate quantities:
  - a. Approximately 24,500 square yards of Item P-152 Subgrade
  - b. Approximately 24,500 square yards of Item P-304 Cement Treated Base Course
  - c. Approximately 6,500 tons of Item P-401 Bituminous Surface Course
  - d. Approximately 1,400 linear feet of Item D-701 Reinforced Concrete Pipe backfill
6. The acceptance testing services for Alternate 5 shall include the following materials and approximate quantities:
  - a. Approximately 7,000 square yards of Item P-152 Subgrade
  - b. Approximately 7,000 square yards of Item P-304 Cement Treated Base Course
  - c. Approximately 2,100 tons of Item P-401 Bituminous Surface Course
7. The acceptance testing services for Alternate 6 shall include the following materials and approximate quantities:
  - a. Approximately 16,700 square yards of Item P-152 Subgrade
  - b. Approximately 16,700 square yards of Item P-304 Cement Treated Base Course
  - c. Approximately 4,200 tons of Item P-401 Bituminous Surface Course
8. Testing of the above items shall be completed in accordance with the enclosed 100% Review Plans and Specifications.
9. Review of job mix formulas (JMFs) and material submittals for the above items.
10. Provide daily reports of P-401 production and field acceptance test results.

Mr. Tim Byres, P.E.  
 June 22, 2011  
 Page 3

11. Provide a weekly updated summary of all acceptance test results with failing tests highlighted and cross referenced to the subsequent passing retest.
12. Provide for at least three (3) on-call site visits by a Senior Geotechnical Engineer to review and investigate unexpected site conditions such as unsuitable or muck soils. Provide reports and recommendations for procedures or repair of the areas.
13. The anticipated contract time for each alternate is as follows:
  - a. Alternate 1 – Three hundred (300) calendar days
  - b. Alternate 2 – Two hundred ten (210) calendar days
  - c. Alternate 3 – One hundred fifty (150) calendar days
  - d. Alternate 4 – Ninety (90) calendar days
  - e. Alternate 5 – Thirty (30) calendar days
  - f. Alternate 6 – Ninety (90) calendar days
14. The Contractor will not be providing an on-site trailer for use by your firm. Any on-site space required by your firm for general office use and/or testing shall be included in your fee.
15. Provide a final report summarizing all testing for the project, within fourteen (14) days of construction completion.
16. The project specifications require that testing organizations meet ASTM requirements for testing of some FAA specification materials, as noted below. This may require subcontracting to a certified firm if your firm is not certified. Please provide certification that your firm or your subconsultant firm meets the applicable requirements.
  - a. P-401 & P-403 Bituminous Concrete - ASTM D3666
  - b. P-304 Cement Treated Base – ASTM D3666

#### GENERAL

17. The proposal shall include separate "not-to-exceed" budgets for each alternate.
18. 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.
19. 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 25<sup>th</sup> of the month.

Mr. Tim Byres, P.E.  
June 22, 2011  
Page 4

20. 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
21. The Engineer and Resident Project Representative (RPR) shall be contacted prior to beginning any testing.
22. 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 Thursday, July 7, 2011.

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

Sincerely,



Tracy J. Saunders, P.E., C.M.  
TJS/ssh

Enclosures:

1. 100% Review Plans dated May 2011
2. 100% Review Specifications dated May 2011

c: Lisa Murphy, City of Las Cruces (wo/encl)

**GEO-TEST**

July 6, 2011

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

**ATTN:** Tracy J. Saunders, P.E.

**RE:** Taxiway "A", Rehabilitation  
Las Cruces International Airport  
(Alternate 1)

Dear Ms. Saunders:

In response to your request Geo-Test, Inc. is submitting a cost estimate for materials testing of the above referenced project. The purpose of the testing would be for quality assurance of materials placed. This estimate is based on our review of the project specifications and experience with similar type projects. All testing would be performed in accordance with applicable plans and specifications provided for the project. This cost estimate was structured on the assumption that the majority of the testing will be performed on a "call-out" basis at the direction of the client or clients representative. If testing requirements become greater and it becomes more economical to maintain a technician on site, Geo-Test will accommodate such as needed.

Our estimated costs for providing materials testing for this project are as follows:

DESCRIPTION	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
Earth Work Technician Man Hours (In-Place density testing of P-152 subgrade, and P-154 subbase)	\$48.00/hr	225 hrs	\$10,800.00
Moisture Density Relation (ASTM D1557)	\$200.00/ea	10	\$2,000.00
Cement Treated Base Technician (Sampling and testing of P-304 Cement Treated Base Course)	\$48.00/hr	125 hrs	\$6,000.00
Moisture Density Relation of Soil Cement Mixtures (ASTM D-558, includes gradation)	\$200.00 ea	65 ea	\$13,000.00
P304 Thickness Coring	\$100.00 / hr	65 hrs	\$6,500.00
Asphalt Analysis- P401 (Includes - Asphalt Content, Gradation Maximum Density, & Gyrotory Voids Analysis )	\$335.00 / ea	75 ea	\$25,125.00
Asphalt Testing, Tech. (Sampling of P-401 Plant Mix Bituminous Pavement)	\$48.00 / hr	150 hrs	\$7,200.00
Asphalt Core Density	\$30.00 / ea	150 ea	\$4,500.00
Technician Overtime	\$72.00 / hr	200 hrs	\$14,400.00

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

8528 CALLE ALAMEDA NE  
ALBUQUERQUE,  
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2805-A LAS VEGAS CT.  
LAS CRUCES,  
NEW MEXICO  
88007  
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**GEO-TEST****Taxiway "A", Rehabilitation  
P-401 Bituminous Concrete (Schedule 1)**July 6, 2011  
Page 2

DESCRIPTION	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
Administrative (Submittal Review, Site Visits by Senior Personnel, Meetings)	\$90.00 / hr	40 hrs	\$3,600.00
<b>TOTAL</b>			<b>\$93,125.00</b>

Above prices do not include applicable taxes. The quantities listed above are only estimated quantities. The cost of testing is not a fixed price on a project, as it will vary with the contractors schedule, production, and on site conditions. Invoicing of testing will reflect actual tests and technician time.

In addition to the rates and amounts estimated above, a stand-by charge of \$48.00 per hour would be assessed for technician time, when testing is not being conducted. This would include items such as a late concrete transit mix truck or equipment failures or other delays beyond Geo-Test's control.

Cost for testing services would be performed as described in the attached unit fee schedule with the following exceptions. The majority of the cost for testing would be technician time. The unit rate for this service is \$48.00 per hour. All technician time is based on normal working hours of 7:00 AM to 5:00 PM, Monday thru Friday, any hours spent outside of that time frame or on holidays would be invoiced at a rate of \$72.00 per hour.

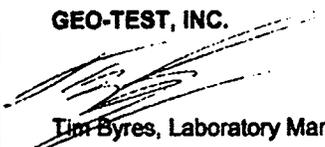
We sincerely appreciate your consideration of our firm for the materials testing on this project. If additional testing services are required please refer to our attached unit fee schedule. If you have any questions or need additional information please contact our office.

GEO-TEST, INC.  
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Respectfully;

**GEO-TEST, INC.**

  
Tim Byres, Laboratory Manager



**GEO - TEST, INC.  
UNIT FEE SCHEDULE  
AUGUST 2009**

**PERSONNEL**

Charges will be made based on the following unit rate for project rated time including travel to and from the project site.

Principal Engineer .....	\$165.00/hour
Registered Professional Engineer/Geologist .....	\$130.00/hour
Staff Eng./Geologist.....	\$100.00/hour
Senior Engineering Technician.....	\$ 60.00/hour
Engineering Technician .....	\$ 48.00/hour
Draftsman .....	\$ 60.00/hour
Typist.....	\$ 45.00/hour
Field Engineer .....	\$ 65.00/hour
Per Diem.....	\$ 80.00/ day
Overtime (1.50 X hourly rates)	

**EQUIPMENT**

Charges will be made on an hourly, mileage, or daily rate where applicable.

Vehicle (1/2 ton pickup - Over 30 miles).....	\$ 0.75/mile
Copies - 2 No Charge, Over 2 .....	\$ 0.25/page

**SPECIAL SERVICE AND INSPECTION**

Soil & Foundation Investigation - Quoted based on project scope

Caisson Inspection .....	\$ 48.00/hour
Compaction Control of Engineered Structural Fill.....	\$ 48.00/hour
Concrete Inspection and Control.....	\$ 48.00/hour
Bituminous Plant Calibration .....	\$ 48.00/hour
Concrete or Asphalt coring .....	\$ 100.00/hour
Outside Services and Material.....	cost + 20%
Windsor Probe.....	\$ 100.00/Set of 3
Fire Proofing Testing Onsite.....	\$ 48.00/hour
Special Inspection .....	\$65.00/hour

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## LABORATORY TESTS

### Soils:

Moisture - Density Relation Test	
Unit Cost (ASTM D-698) .....	\$ 95.00
Unit Cost (ASTM D-1557) .....	\$ 110.00
Sieve Analysis (3" - #200)(ASTM C-136) .....	\$ 45.00
Plasticity Index (Atterberg Limits)(ASTM D-4318) .....	\$ 45.00
Hydrometer Analysis (ASTM D-422) .....	\$ 200.00
Moisture Content .....	\$ 25.00
Expansion (Swell, Constant surcharge).....	\$ 90.00
FHA Soil Volume Change Meter.....	\$ 90.00
Percent Consolidation .....	\$ 100.00
Time Rated Consolidation (ASTM D-2435) .....	\$ 350.00
Direct Shear (ASTM D-3080).....	\$ 175.00
Permeability (Constant or Falling Head), Undisturbed.....	\$ 180.00
Permeability (Constant or Falling Head), Remolded.....	\$ 200.00
Unconsolidated Undrained Triaxial Shear (ASTM D-2850)	\$ 375.00/pt.
Unconfined Compression, Undisturbed (ASTM D-2166).....	\$ 75.00
Unconfined Compression, Remolded (ASTM D-2166).....	\$ 100.00
Density of Undisturbed Ring Sample.....	\$ 35.00
California Bearing Ratio (CBR) (ASTM D1883).....	\$ 375.00
Specific Gravity - #10 Fraction) (ASTM D-854) .....	\$ 50.00
Sample Prep (Laboratory) .....	\$ 48.00/hour
Soil pH (ASTM G-51) .....	\$50.00
Soil Resistivity (ASTM G-57) .....	\$50.00
One Dimensional Swell (ASTM 4546) .....	\$375.00
Moisture Test Kits .....	\$25.00

### CONCRETE

Compressive Strength Tests (Curing & Capping)	
Concrete Cylinders & Cubes (ASTM C-39) .....	\$ 15.00
Hold Cylinders not Tested .....	\$ 15.00
Flexural Strength (Beams) (ASTM C-78).....	\$ 25.00
Concrete Cores (ASTM C-39) .....	\$ 25.00
Single use Cylinder Molds .....	\$ 2.00
Concrete Mix Design .....	\$ 1,500.00
Less Aggregate Tests/negotiable .....	\$1,000.00
CTB Mix Design.....	\$ 1,500.00

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## ASPHALT

Asphaltic Concrete Pavement Analysis (includes extraction, gradation, Marshalls unit weight, flow, stability, calculation of air voids and voids filled per set of 3 Marshalls).....	\$ 275.00
Asphaltic Concrete Mix Design.....	\$ 2,500.00
Lab Verification of Asphalt Mix Design .....	\$ 700.00
Retained Stability of Bituminous Mixture (ASTM D-1075) .....	\$ 300.00
Asphalt Content & Gradation of Bituminous Mixture .....	\$ 100.00
Unit Weight, Stability & Flow (ASTM D-1559) .....	\$ 80.00
Asphalt Core Density and Length (ASTM D-2726).....	\$ 30.00
Maximum Theoretical Specific Gravity (ASTM D-2041) .....	\$ 60.00
OGFC Mix Design.....	\$ 500.00
Superpave Mix Design.....	\$5,000.00
Gyratory Specimens (AASHTO T-312).....	\$175.00

## AGGREGATE

Clay Lumps - Friable Particles (ASTM C-142).....	\$ 50.00
Organic Impurities (ASTM C-40) .....	\$ 75.00
Sand Equivalent (ASTM D-2419) .....	\$ 50.00
Fractured Face Count + #4.....	\$ 30.00
Fractured Face Count + #10.....	\$ 35.00
Los Angeles Abrasion (ASTM C-131).....	\$200.00
Magnesium or Sodium Sulfate Soundness (ASTM C-88) .....	\$250.00
Specific Gravity & Absorption (Coarse or Fine Aggregate) (ASTM C-127,C-128) .....	\$ 70.00
Unit Weight (ASTM C-29).....	\$ 40.00
Lightweight Pieces(ASTM C123).....	\$120.00
Flat and Elongated pieces .....	\$ 50.00
Aggregate Correction Factor (ASTM C-231) .....	\$ 30.00
Uncompacted Void Content (Fine Agg.) (ASTM C-1252) .....	\$50.00
Aggregate Soundness by Freeze/Thaw .....	\$150.00

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**DELTA AIRPORT  
CONSULTANTS, INC.**

June 22, 2011

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

**Subject: Request for Proposal – Construction Surveys**  
Rehabilitate Taxiway "A"  
Las Cruces International Airport  
AIP Project No. 3-35-0024-023 (Design)  
AIP Project No. 3-35-0024-Pending (Construction)  
Delta Project No. NM 10078

Dear Mr. Byres:

Delta Airport Consultants is requesting a proposal from your firm to provide construction surveys for the above referenced project at Las Cruces International Airport. The proposal should be based on the following scope of work:

**SCOPE OF WORK**

1. The proposed alternates are as follows:
  - a. Alternate 1 – Rehabilitate Taxiway "A", Rehabilitate Taxiways "B", "E", "F", and "G"
  - b. Alternate 2 – Rehabilitate Taxiway "A" from east of Taxiway "G" to Runway 26/Runway 30, Rehabilitate Taxiways "B", "E", and "F"
  - c. Alternate 3 – Rehabilitate Taxiway "A" from the western edge of the aircraft apron to Runway 26/Runway 30, Rehabilitate Taxiway "B" and "E"
  - d. Alternate 4 – Rehabilitate Taxiway "A" from Taxiway "E" to Runway 26/Runway 30, Rehabilitate Taxiway "E"
  - e. Alternate 5 – Rehabilitate Taxiway "A" from the eastern edge of the aircraft apron to Runway 26/Runway 30
  - f. Alternate 6 – Rehabilitate Taxiway "A" from Runway 4/Runway 8 to east of Taxiway "G", Rehabilitate Taxiway "G"
  
2. The anticipated contract time for each alternate is as follows:
  - a. Alternate 1 – Three hundred (300) calendar days
  - b. Alternate 2 – Two hundred ten (210) calendar days
  - c. Alternate 3 – One hundred fifty (150) calendar days
  - d. Alternate 4 – Ninety (90) calendar days
  - e. Alternate 5 – Thirty (30) calendar days
  - f. Alternate 6 – Ninety (90) calendar days

10078C024

7804 Pan American Freeway NE, Suite 4 • Albuquerque, New Mexico 87109  
phone: (505) 797-4921 • fax: (505) 797-1725 • www.deltaairport.com

Mr. Greg Byres  
 June 22, 2011  
 Page 2

3. Provide on-call surveying services to verify design grades and resolve discrepancies for material placed during previous work periods. This may include verification of the design grades on 50-foot stations, as well as survey of tighter grids to locate areas for correction. Please provide time for the following on-call survey visits for each alternate, as well as time for office tabulation of results prior to the next work period.
  - a. Alternate 1 – Six (6) visits
  - b. Alternate 2 – Five (5) visits
  - c. Alternate 3 – Four (4) visits
  - d. Alternate 4 – Three (3) visits
  - e. Alternate 5 – Two (2) visits
  - f. Alternate 6 – Three (3) visits
  
4. Provide on-call surveying services to verify the Contractor's grades on subgrade, pavement subbase, base, and surface courses. Additional surveys should be anticipated to verify elevations on drainage structures, pipes, etc. to be installed as part of the project. Please plan to provide the following days of a survey crew and associated office time for construction surveys for each alternate:
  - a. Alternate 1 – Ten (10) days
  - b. Alternate 2 – Eight (8) days
  - c. Alternate 3 – Six (6) days
  - d. Alternate 4 – Four (4) days
  - e. Alternate 5 – Two (2) days
  - f. Alternate 6 – Four (4) days

#### FORMAT

5. 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  $\pm 0.01$  feet for paved sections and  $\pm 0.1$  feet for turfed sections. Locations of permanent items within the project limits shall be shown relative to Baseline "A" (horizontal control:  $\pm 0.05$  feet).
  
6. It is requested that three (3) files (AutoCAD 2000 or later) containing the following information be submitted for our use:
 

File 1: [10078plan.dwg] -	Planimetrics files (All objects in this file shall have zero elevation.)
File 2: [10078cont.dwg] -	Contours file. This file should include contours, contour labels and spot information.
File 3: [10078bkln.dwg] -	Breaklines used to generate the contours.

  - The drawing world shall be oriented with the State Plane Coordinate System NAD 83.

Mr. Greg Byres  
 June 22, 2010  
 Page 3

- The grid pattern on the drawings shall be based on the State Plane Grid Coordinate System.
  - 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.
7. It is also requested that an ASCII text point file be included in the following format: point number, northing, easting, elevation, description (P,N,E,Z,D)
- File 4: [10078SPC.asc] - All points given in the State Plane Grid Coordinate System.  
 File 5: [10078BLC.asc] - Same points as given in "File 4" translated to Baseline "R" station and offset coordinates.
8. All computer files (drawing files and ASCII points files) shall be submitted on CD or DVD (+R/+RW formats preferred).

Mr. Greg Byres  
June 22, 2010  
Page 4

**GENERAL**

9. The proposal shall include separate "not-to-exceed" budgets for each alternate.
10. 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.
11. 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 25<sup>th</sup> of the month.
12. 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
13. 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 within the runway and taxiway safety areas will be completed "under traffic" on a pull-back basis; the work crews shall be prepared to clear the runway and taxiway safety areas during aircraft operations as ordered by the Owner.
14. All activities on the airfield shall be coordinated with the Engineer, the Owner and the Airport Manager. 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.

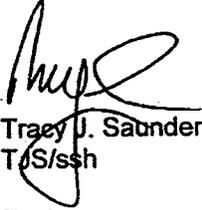
Ms. Lisa Murphy, AICP  
Airport Manager  
Las Cruces International Airport  
Phone: (575) 541-2471
15. If your firm is a disadvantaged business enterprise (DBE), provide a copy(s) of current certification by a State or Federal agency(s), preferably where the project is located.

Delta is requesting your proposal on or before Thursday, July 7, 2011.

Mr. Greg Byres  
June 22, 2010  
Page 5

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

Sincerely,



Tracy J. Saunders, P.E., C.M.  
TJS/ssh

Enclosures:

1. Delta's Standard Request for Proposal Layers

c: Lisa Murphy, City of Las Cruces (wo/encl)

June 29, 2011

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

Attn: Tracy J. Saunders, P.E.

RE: **Cost Proposal For Surveying Services**  
**Construction Surveys**  
**Rehabilitate Taxiway "A" Las Cruces International Airport**  
**Las Cruces, New Mexico**

Dear Mr. Saunders:

As requested, we have prepared a cost proposal for performing surveying services for the above referenced project. It is understood that the proposed project will consist of the rehabilitation of the existing taxiway "A" and connecting taxiways, with construction anticipated for Fall – Winter 2011.

We have prepared a cost proposal utilizing the scope of work presented in your letter of June 22, 2011. A cost for services was determined for each Alternate item.

**Alternate 1**

On-Call surveying services, verification of design grades. (Six Visits)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	48 hrs	\$ 8,400.00
Survey Technician	\$75.00/hr	24 hrs	<u>\$ 1,800.00</u>
		Total	<u>\$10,200.00</u>

**Alternate 2**

On-Call surveying services, verification of design grades. (Five Visits)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	40 hrs	\$ 7,000.00
Survey Technician	\$75.00/hr	20 hrs	<u>\$ 1,500.00</u>
		Total	<u>\$ 8,500.00</u>



**SUMMIT ENGINEERING**

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

**Alternate 3**

On-Call surveying services, verification of design grades. (Four Visits)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	32 hrs	\$ 5,600.00
Survey Technician	\$75.00/hr	16 hrs	<u>\$ 1,200.00</u>
		Total	\$ 6,800.00

**Alternate 4**

On-Call surveying services, verification of design grades. (Three Visits)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	24 hrs	\$ 4,200.00
Survey Technician	\$75.00/hr	8 hrs	<u>\$ 600.00</u>
		Total	\$ 4,800.00

**Alternate 5**

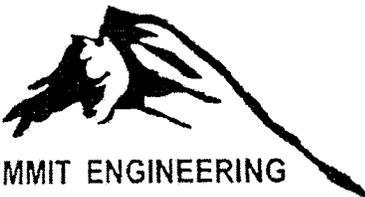
On-Call surveying services, verification of design grades. (Two Visits)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	16 hrs	\$ 2,800.00
Survey Technician	\$75.00/hr	4 hrs	<u>\$ 300.00</u>
		Total	\$ 3,100.00

**Alternate 6**

On-Call surveying services, verification of design grades. (Three Visits)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	24 hrs	\$ 4,200.00
Survey Technician	\$75.00/hr	8 hrs	<u>\$ 600.00</u>
		Total	\$ 4,800.00



SUMMIT ENGINEERING

**Alternate 1**

On-Call surveying services, verification of contractors grade on subgrade, pavement, base and surface courses. Additional surveys for verification of drainage structures and pipes. (10 days)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	80 hrs	\$14,000.00
Survey Technician	\$75.00/hr	40 hrs	<u>\$ 3,000.00</u>
		Total	\$17,000.00

**Alternate 2**

On-Call surveying services, verification of contractors grade on subgrade, pavement, base and surface courses. Additional surveys for verification of drainage structures and pipes. (8 days)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	64 hrs	\$11,200.00
Survey Technician	\$75.00/hr	32rs	<u>\$ 2,400.00</u>
		Total	\$13,600.00

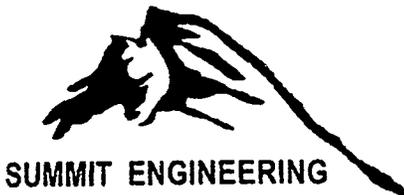
**Alternate 3**

On-Call surveying services, verification of contractors grade on subgrade, pavement, base and surface courses. Additional surveys for verification of drainage structures and pipes. (6 days)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	48 hrs	\$ 8,400.00
Survey Technician	\$75.00/hr	24 hrs	<u>\$ 1,800.00</u>
		Total	\$10,200.00

**Alternate 4**

On-Call surveying services, verification of contractors grade on subgrade, pavement, base and surface courses. Additional surveys for verification of drainage structures and pipes. (4 days)



Las Cruces International Airport  
Delta Airport Consultants, Inc.

June 29, 2011  
Page 4

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	32 hrs	\$ 5,600.00
Survey Technician	\$75.00/hr	16 hrs	<u>\$ 1,200.00</u>
		Total	\$ 6,800.00

**Alternate 5**

On-Call surveying services, verification of contractors grade on subgrade, pavement, base and surface courses. Additional surveys for verification of drainage structures and pipes. (2 days)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	16 hrs	\$ 2,800.00
Survey Technician	\$75.00/hr	8 hrs	<u>\$ 600.00</u>
		Total	\$ 3,400.00

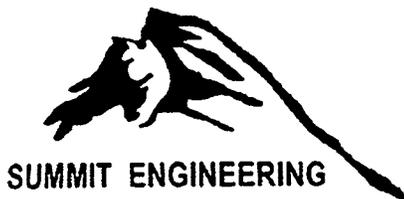
**Alternate 6**

On-Call surveying services, verification of contractors grade on subgrade, pavement, base and surface courses. Additional surveys for verification of drainage structures and pipes. (4 days)

<u>Description</u>	<u>Unit Rate</u>	<u>Hours</u>	<u>Cost</u>
Field Crew	\$175.00/hr	32 hrs	\$ 5,600.00
Survey Technician	\$75.00/hr	16 hrs	<u>\$ 1,200.00</u>
		Total	\$ 6,800.00

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.



Las Cruces International Airport  
Delta Airport Consultants, Inc.

June 29, 2011  
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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.

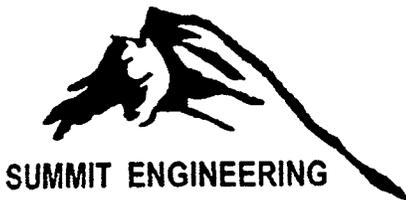
Accepted  
For \_\_\_\_\_

(Organization or Individual)

Accepted  
By \_\_\_\_\_

(Name)

Signature \_\_\_\_\_ Date \_\_\_\_\_





June 29, 2011

Mr. Kevin Hoffman  
 Geospatial Project Manager  
 Woolpert, Inc.  
 116 Inverness Dr. East, Suite 105  
 Englewood, CO 80112

**Subject: Request for Proposal – As-Built Surveys**  
 Rehabilitate Taxiway "A"  
 Las Cruces International Airport  
 AIP Project No. 3-35-0024-023 (Design)  
 AIP Project No. 3-35-0024-Pending (Construction)  
 Delta Project No. NM 10078

Dear Mr. Hoffman:

Delta Airport Consultants is requesting a proposal from your firm to provide as-built surveys for the above referenced project at Las Cruces International Airport. The project includes the rehabilitation (reconstruction) of Taxiway "A", as well as the rehabilitation of Taxiways "B", "E", "F", and "G". The proposed alternates are as follows:

- Alternate 1 – Rehabilitate Taxiway "A", Rehabilitate Taxiways "B", "E", "F", and "G"
- Alternate 2 – Rehabilitate Taxiway "A" from east of Taxiway "G" to Runway 26/Runway 30, Rehabilitate Taxiways "B", "E", and "F"
- Alternate 3 – Rehabilitate Taxiway "A" from the western edge of the aircraft apron to Runway 26/Runway 30, Rehabilitate Taxiway "B" and "E"
- Alternate 4 – Rehabilitate Taxiway "A" from Taxiway "E" to Runway 26/Runway 30, Rehabilitate Taxiway "E"
- Alternate 5 – Rehabilitate Taxiway "A" from the eastern edge of the aircraft apron to Runway 26/Runway 30
- Alternate 6 – Rehabilitate Taxiway "A" from Runway 4/Runway 8 to east of Taxiway "G", Rehabilitate Taxiway "G"

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

#### **SCOPE OF WORK**

The project will include aeronautical record surveys for the entire project limits for submission in the FAA's Airports GIS system, as well as as-built ground surveys in accordance with the following scope.

#### **Item 1 – As-Built Surveys for Submission to AGIS**

1. Complete aeronautical record surveys within the entire project limits for each alternate for submission to the Airports GIS online program. Copies of the General Layout, Geometric Layout, Grading & Drainage, and Electrical Layout plan sheets are enclosed for your review and reference. Included shall be the installation of all PACS and SACS required by the

10078C027

7804 Pan American Freeway NE, Suite 4 • Albuquerque, New Mexico 87109  
 phone: (505) 797-4921 • fax: (505) 797-1725 • www.deltaairport.com

Mr. Kevin Hoffman  
June 29, 2011  
Page 2

record survey. The survey work shall be performed in accordance with the following documents:

- a. FAA Advisory Circular (AC) 150/5300-16, "General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Control and Submission to the National Geodetic Survey"
  - b. FAA Advisory Circular (AC) 150/5300-18 "General Guidance and Specifications for Submission of Aeronautical Surveys to NGS: Field Data Collection and Geographic Information System (GIS) Standards"
  - c. Work shall be based on the current version of the above referenced advisory circulars in affect at the time your proposal is provided.
  - d. Refer to Table 2-1 of AC 150/5300-18 for items required to be included in the survey scope.
2. Provide the Statement of Work, survey and quality control plans, and all reporting documentation required by the above referenced advisory circulars. Your firm shall be responsible for preparation and submission of all documents to the AGIS system. The Owner will provide the initial project setup and assignment of the project team. Responses to FAA/NGS comments shall be made promptly throughout the process in order to expedite project completion.

**Item 2 – As-Built Surveys (Non-GIS)**

3. Provide cross-sections on each 50-foot station for Baseline "A-1". All station and offsets shall be reported with respect to Baseline "A-1". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, shoulder/grading tie-in, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
4. Provide cross-sections on each 50-foot station for Baseline "G-1". All station and offsets shall be reported with respect to Baseline "G-1". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
5. Provide cross-sections on each 50-foot station for Baseline "F-1". All station and offsets shall be reported with respect to Baseline "F-1". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.

Mr. Kevin Hoffman  
 June 29, 2011  
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6. Provide cross-sections on each 50-foot station for Baseline "B". All station and offsets shall be reported with respect to Baseline "B". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
7. Provide cross-sections on each 50-foot station for Baseline "E". All station and offsets shall be reported with respect to Baseline "E". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
8. Locate all drainage structures installed as part of the project and report top elevations and inverts for all pipes in the structure. Horizontal locations shall be reported to center on structure with respect to Baseline "A-1".
9. Provide 1-foot contours for the survey area.

#### FORMAT

10. 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  $\pm 0.01$  feet for paved sections and  $\pm 0.1$  feet for turfed sections. Locations of permanent items within the project limits shall be shown relative to Baseline "A-1" (horizontal control  $\pm 0.05$  feet).
11. It is requested that three (3) files (AutoCAD 2000 or later) containing the following information be submitted for our use:
 

File 1: [10078plan.dwg] -	Planimetrics files (All objects in this file shall have zero elevation.)
File 2: [10078cont.dwg] -	Contours file. This file should include contours, contour labels and spot information.
File 3: [10078bkln.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.
  - 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.

Mr. Kevin Hoffman  
 June 29, 2011  
 Page 4

- 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 with the notice-to-proceed.
  - 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.
12. It is requested that one (1) LandXML file be provided of the as-built ground surface model, as used to generate the contours file provided in the previous section. The file should be compliant with LandXML Version 1.0 for Civil 3D software compatibility.
- File 4: [10078FG.xml] - As-built Ground Surface Model.
13. It is also requested that an ASCII text point file be included in the following format: point number, northing, easting, elevation, description (P,N,E,Z,D).
- File 5: [10078SPC.asc] - All points given in the State Plane Grid Coordinate System.  
 File 6: [10078BLC.asc] - Same points as given in "File 5" translated to Baseline "A-1" station and offset coordinates.
14. All computer files (drawing files, LandXML file, and ASCII points files) shall be submitted on CD or DVD (+R/+RW formats preferred).

#### GENERAL

15. The proposal shall include separate "not-to-exceed" budgets for each alternate.

10078C027

Mr. Kevin Hoffman  
June 29, 2011  
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16. 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.
  17. 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 25<sup>th</sup> of the month.
  18. 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
  19. 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 within the runway and taxiway safety areas will be completed "under traffic" on a pull-back basis; the work crews shall be prepared to clear the runway and taxiway safety areas during aircraft operations as ordered by the Owner.
  20. All activities on the airfield shall be coordinated with the Engineer, the Owner and the Airport Manager. 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: (575) 541-2471
21. It is requested that disadvantaged business enterprise (DBE) participation be included in your proposal.

Delta is requesting your proposal on or before Thursday, July 14, 2011.

Mr. Kevin Hoffman  
June 29, 2011  
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If you should have any questions concerning this matter, please do not hesitate to contact our office.

Sincerely,



Tracy J. Saunders, P.E., C.M.  
TJS/ssh

Enclosures:

1. As-Bid Plan Sheets
2. Delta's Standard Request for Proposal Layers
3. Sample Subconsultant Agreement

c: Lisa Murphy, City of Las Cruces



July 12, 2011

Tracy J. Saunders, P.E., C.M.  
Delta Airport Consultants

**Re: Request for Proposal - As-Built Surveys**  
Rehabilitate Taxiway "A"  
Las Cruces International Airport  
AIP Project No, 3-35-0024-023 (Design)  
AIP Project No. 3-35-0024-Pending (Construction)  
Delta Project No. NM 10078

Dear Ms. Saunders,

Woolpert, Inc. is pleased to submit this response to Delta Airport Consultants requesting as-built surveys for the above referenced project at Las Cruces International Airport. The project includes the rehabilitation (reconstruction) of Taxiway "A", as well as the rehabilitation of Taxiways "B", "E", "F", and "G".

It is our sincere belief that we will demonstrate through this proposal response that we possess an in-depth understanding of Delta Airport Consultant's needs, the solutions to address those needs, and the right experience to provide the required services. With Woolpert, you can be assured that you have selected a consultant that understands your objectives, possesses the required expertise and breadth of similar project experience, and resources to ensure that your goals and objectives are successfully met.

If you have any questions or need additional information, my e-mail address is michael.heimbuck@woolpert.com. Or you can reach me by phone at 303.925.1400 or fax at 303.925.1401. We look forward to working with you on this important project at Las Cruces International Airport.

Sincerely,  
Woolpert, Inc.

Michael Heimbuck, PLS  
Senior Associate  
Group Manager, Geospatial Services, Western Region

July 12, 2011

Page 2  
SCOPE OF WORK

The project will include aeronautical record surveys for the entire project limits for submission in the FAA's Airports GIS system, as well as typical as-built surveys in accordance with the following scope.

**Item 1 - As-Built Surveys for Submission to AGIS**

1. Complete aeronautical record surveys within the entire project limits for each alternate for submission to the Airports GIS online program. Included shall be the verification of all PACS and SACS required by the record survey. The survey work shall be performed in accordance with the following documents:
  - a. FAA Advisory Circular (AC) 150/5300-16, "General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Control and Submission to the National Geodetic Survey"
  - b. FAA Advisory Circular (AC) 150/5300-18 "General Guidance and Specifications for Submission of Aeronautical Surveys to NGS: Field Data Collection and Geographic Information System (GIS) Standards"
  - c. Work shall be based on the current version of the above referenced advisory circulars in affect at the time our proposal is provided.
  - d. Refer to Table 2-1 of AC 150/5300-18 for items required to be included in the survey scope.
2. Provide the Statement of Work, survey and quality control plans, and all reporting documentation required by the above referenced advisory circulars. Our firm shall be responsible for preparation and submission of all documents to the AGIS system. The Owner will provide the initial project setup and assignment of the project team. Responses to FAA/NGS comments shall be made promptly throughout the process in order to expedite project completion.

**Item 2 - As-Built Surveys (Non-GIS)**

3. Provide cross-sections on each 50-foot station for Baseline "A-1". All station and offsets shall be reported with respect to Baseline "A-1". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, shoulder/grading tie-in, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
4. Provide cross-sections on each 50-foot station for Baseline "G-1". All station and offsets shall be reported with respect to Baseline "G-1". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable),

July 12, 2011

Page 3

- edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
5. Provide cross-sections on each 50-foot station for Baseline "F-1". All station and offsets shall be reported with respect to Baseline "F-1". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
  6. Provide cross-sections on each 50-foot station for Baseline "B". All station and offsets shall be reported with respect to Baseline "B". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
  7. Provide cross-sections on each 50-foot station for Baseline "E". All station and offsets shall be reported with respect to Baseline "E". Elevations shall be reported at pavement centerline, each even 25-foot offset (where applicable), edge of pavement, pavement tie-in, 10-foot offset from edge of pavement, and each break in grade. Cross sections shall extend through the grading limits for each alternate as shown on the enclosed plan sheets.
  8. Locate all drainage structures installed as part of the project and report top elevations and inverts for all pipes in the structure. Horizontal locations shall be reported to center on structure with respect to Baseline "A-1".

#### FORMAT

9. 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  $\pm 0.01$  feet for paved sections and  $\pm 0.1$  feet for turfed sections. Locations of permanent items within the project limits shall be shown relative to Baseline "A" (horizontal control  $\pm 0.05$  feet).
10. It is requested that three (3) files {AutoCAD 2000 or later} containing the following information be submitted for your use:
  - File 1: [10078plan.dwg] - Planimetries files (All objects in this file shall have zero elevation.)
  - File 2: [10078cont.dwg] - Contours file. This file should include contours, contour labels and spot information.
  - File 3: [10078bkln.dwg] - Breaklines used to generate the contours.

July 12, 2011

Page 4

- 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.
  - No elevations shall be assigned to any lines or objects in the planimetries 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 "Standard Request for Proposal Layers" list
  - 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, a copy of the necessary code required to load and edit the drawing will be provided.
  - No linework shall be broken in order to add specific "patterns" to create the look of a custom linetype. If the surveyor is unable to use this linetype definition file, the "continuous" linetype will be used in place of Delta's custom linetypes. No additional text items or symbols will be placed along the line to "approximate" a custom linetype.
11. It is requested that one (1) LandXML file be provided of the as-built ground surface model, as used to generate the contours file provided in the previous section. The file will be compliant with LandXML Version 1.0 for Civil 3D software compatibility.

File 4: [10078FG.xml] - As-built Ground Surface Model.

12. It is also requested that an ASCII text point file be included in the following format; point number, northing, easting, elevation, description (P,N,E,Z,D).

File 5: [10078SPC.asc] - All points given in the State Plane Grid Coordinate System.

July 12, 2011

Page 5

File 6: [100788LC.asc] - Same points as given in "File 4" translated to Baseline "R" station and offset coordinates.

13. All computer files (drawing files, LandXML file, and ASCII points files) will be submitted on CD or DVD (+R/+RW formats preferred).

**GENERAL**

14. The proposal will include separate "not-to-exceed" budgets for each alternate.
15. If accepted, our proposal shall serve as a basis for a not-to-exceed contract directly with Delta Airport Consultants, Inc. The proposal will include a fee schedule, estimated work hours, anticipated non-salary cost and a "noMo-exceed" ceiling figure.
16. As soon as our services are complete, Woolpert will invoice Delta Airport Consultants, Inc. Payment for Woolpert's 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, our invoice will be received no later than the 25<sup>th</sup> of the month.
17. The invoice shall, at a minimum, include the following:
- a. Project name
  - b. Airport name
  - c. Delta project number
  - d. Invoice number
  - e. Work hour cost, with breakdown of hours and fees
  - f. Non-salary costs
18. All crews working in the active aircraft operation areas will have aviation band radios and monitor the UNICOM Frequency (122.7 MHZ) at all times. All activities on the airfield will be coordinated with the Owner and the Engineer prior to the start of work. It should be anticipated that work within the runway and taxiway safety areas will be completed "under traffic" on a pull-back basis; the work crews will be prepared to clear the runway and taxiway safety areas during aircraft operations as ordered by the Owner.
19. All activities on the airfield will be coordinated with the Engineer, the Owner and the Airport Manager. 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: (575)541-2471

July 12, 2011

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**FEE SCHEDULE****Estimate  
ALTERNATE 1**

	<b>Hours</b>	<b>Rate</b>	<b>Amount</b>
Group Manager	3	\$190.00	\$ 570.00
Project Manager	4	\$145.00	\$ 580.00
Project Surveyor	16	\$125.00	\$ 2,000.00
Survey Technician	26	\$100.00	\$ 2,600.00
CADD Technician	40	\$90.00	\$ 3,600.00
2-man crew		\$160.00	\$ -
3-man crew	50	\$220.00	\$ 11,000.00
1-man crew		\$100.00	\$ -
Clerical	2	\$61.00	\$ 122.00
<b>Sub-Total</b>			<b>\$ 20,472.00</b>
<b>Expenses</b>			
Travel	20	\$ 220.00	\$ 4,400.00
Equipment charges	150	\$ 5.00	\$ 750.00
Vehicle charges	150	\$ 5.00	\$ 400.00
Motel	17	\$ 100.00	\$ 1,700.00
Per diem	17	\$ 45.00	\$ 765.00
<b>Sub-Total</b>			<b>\$ 8,015.00</b>
<b>Total</b>			<b>\$ 28,487.00</b>

July 12, 2011

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**Estimate  
ALTERNATE 2**

	Hours	Rate	Amount
Group Manager	3	\$190.00	\$ 570.00
Project Manager	4	\$145.00	\$ 580.00
Project Surveyor	16	\$125.00	\$ 2,000.00
Survey Technician	28	\$100.00	\$ 2,800.00
CADD Technician	30	\$90.00	\$ 2,700.00
2-man crew		\$160.00	\$ -
3-man crew	30	\$220.00	\$ 6,600.00
1-man crew		\$100.00	\$ -
Clerical	2	\$61.00	\$ 122.00
<b>Sub-Total</b>			<b>\$ 15,372.00</b>
 <b>Expenses</b>			
		\$	
Travel	20	220.00	\$ 4,400.00
		\$	
Equipment charges	90	5.00	\$ 450.00
		\$	
Vehicle charges	90	5.00	\$ 250.00
		\$	
Motel	12	100.00	\$ 1,200.00
		\$	
Per diem	12	45.00	\$ 540.00
<b>Sub-Total</b>			<b>\$ 6,840.00</b>
 <b>Total</b>			 <b><u>\$ 22,212.00</u></b>

July 12, 2011

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**Estimate  
ALTERNATE 3**

	Hours	Rate	Amount
Group Manager	3	\$190.00	\$ 570.00
Project Manager	4	\$145.00	\$ 580.00
Project Surveyor	18	\$125.00	\$ 2,250.00
Survey Technician	26	\$100.00	\$ 2,600.00
CADD Technician	25	\$90.00	\$ 2,250.00
2-man crew		\$160.00	\$ -
3-man crew	25	\$220.00	\$ 5,500.00
1-man crew		\$100.00	\$ -
Clerical	2	\$61.00	\$ 122.00
<b>Sub-Total</b>			<b>\$ 13,872.00</b>
<b>Expenses</b>			
		\$	
Travel	20	220.00	\$ 4,400.00
		\$	
Equipment charges	75	5.00	\$ 375.00
		\$	
Vehicle charges	75	5.00	\$ 375.00
		\$	
Motel	12	100.00	\$ 1,200.00
		\$	
Per diem	12	45.00	\$ 540.00
<b>Sub-Total</b>			<b>\$ 6,890.00</b>
<b>Total</b>			<b><u>\$ 20,762.00</u></b>

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**Estimate  
ALTERNATE 4**

	Hours	Rate	Amount
Group Manager	3	\$190.00	\$ 570.00
Project Manager	4	\$145.00	\$ 580.00
Project Surveyor	18	\$125.00	\$ 2,250.00
Survey Technician	26	\$100.00	\$ 2,600.00
CADD Technician	15	\$90.00	\$ 1,350.00
2-man crew		\$160.00	\$ -
3-man crew	20	\$220.00	\$ 4,400.00
1-man crew		\$100.00	\$ -
Clerical	1	\$61.00	\$ 61.00
<b>Sub-Total</b>			<b>\$ 11,811.00</b>
 <b>Expenses</b>			
		\$	
Travel	20	220.00	\$ 4,400.00
		\$	
Equipment charges	60	5.00	\$ 300.00
		\$	
Vehicle charges	60	5.00	\$ 300.00
		\$	
Motel	12	100.00	\$ 1,200.00
		\$	
Per diem	12	45.00	\$ 540.00
<b>Sub-Total</b>			<b>\$ 6,740.00</b>
 <b>Total</b>			 <b><u>\$ 18,551.00</u></b>

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**Estimate  
ALTERNATE 5**

	Hours	Rate	Amount
Group Manager	3	\$190.00	\$ 570.00
Project Manager	4	\$145.00	\$ 580.00
Project Surveyor	18	\$125.00	\$ 2,250.00
Survey Technician	16	\$100.00	\$ 1,600.00
CADD Technician	12	\$90.00	\$ 1,080.00
2-man crew		\$160.00	\$ -
3-man crew	10	\$220.00	\$ 2,200.00
1-man crew		\$100.00	\$ -
Clerical	1	\$61.00	\$ 61.00
<b>Sub-Total</b>			<b>\$ 8,341.00</b>
<b>Expenses</b>			
		\$	
Airfare	20	220.00	\$ 4,400.00
		\$	
Equipment charges	30	5.00	\$ 150.00
		\$	
Vehicle charges	30	5.00	\$ 150.00
		\$	
Motel	9	100.00	\$ 900.00
		\$	
Per diem	9	45.00	\$ 405.00
<b>Sub-Total</b>			<b>\$ 6,005.00</b>
<b>Total</b>			<b>\$ 14,346.00</b>

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**Estimate  
ALTERNATE 6**

	Hours	Rate	Amount
Group Manager	3	\$190.00	\$ 570.00
Project Manager	4	\$145.00	\$ 580.00
Project Surveyor	18	\$125.00	\$ 2,250.00
Survey Technician	26	\$100.00	\$ 2,600.00
CADD Technician	15	\$90.00	\$ 1,350.00
2-man crew		\$160.00	\$ -
3-man crew	20	\$220.00	\$ 4,400.00
1-man crew		\$100.00	\$ -
Clerical	1	\$61.00	\$ 61.00
<b>Sub-Total</b>			<b>\$ 11,811.00</b>
 <b>Expenses</b>			
		\$	
Travel	20	220.00	\$ 4,400.00
		\$	
Equipment charges	60	5.00	\$ 300.00
		\$	
Vehicle charges	60	5.00	\$ 300.00
		\$	
Motel	12	100.00	\$ 1,200.00
		\$	
Per diem	12	45.00	\$ 540.00
<b>Sub-Total</b>			<b>\$ 6,740.00</b>
 <b>Total</b>			 <b><u>\$ 18,551.00</u></b>

**GEODETTIC CONTROL COORDINATES**  
 \*\*\* ALL geodetic control (PACS/SACS/TACS/benchmarks/CORS)

SOURCE	FROM	TO	(+/- 3CM)		(+/- 4CM)	
			DISTANCE	ELLIPS. DIF.	DISTANCE	ELLIPS. DIF.
NSRS	LRU C	LRU ARP	1060.122	2.994	1060.122	2.994
WOOLPERT			1060.124	3.004	1060.124	3.004
DIFFERENCE (NSRS-WOOLPERT)			-0.002	-0.010	-0.002	-0.010
NSRS	LRU C	LRU A	1086.350	4.168	1086.350	4.168
WOOLPERT			1086.350	4.181	1086.350	4.181
DIFFERENCE (NSRS-WOOLPERT)			0.000	-0.013	0.000	-0.013
NSRS	LRU C	Z 411	12350.178	180.489	12350.178	180.489
WOOLPERT			12350.185	180.475	12350.185	180.475
DIFFERENCE (NSRS-WOOLPERT)			-0.007	-0.006	-0.007	-0.006

ORTHOMETRIC HEIGHT (NAVD88)	(+/- 5CM)	
	WOOLPERT	DIFF
DESIGNATION	NSRS	
LRU ARP	1354.642	1354.642
LRU C	1351.660	1351.657
LRU A	1355.810	1355.816
Z 411	1191.099	1191.063
U 411	1173.509	1173.542
L 245	1167.561	1167.627

PROJECT CONTROL COORDINATES (in Meters)			
PID	NAME	LATITUDE	LONGITUDE
AC7053	LRU C	32°17'09.63600"N	106°54'45.27788"W
AC7054	LRU A	32°17'44.87867"N	106°54'43.98855"W
CX0748	LRU ARP	32°17'27.46188"N	106°55'19.92542"W
CX0685	L245	32°08'11.06318"N	106°40'44.31291"W
CX1332	U411	32°11'15.01716"N	106°42'40.31178"W
CX1348	Z 411	32°20'01.30545"N	106°47'38.77799"W

PROJECT CONTROL COORDINATES (in Meters)			
ELLIPSE	NORTHING	EASTING	ELEVATION DESCRIPTION
1327.605	142772.056	437591.769	1351.657 PACS
1331.789	143857.361	437632.206	1355.816 PACS
1330.612	143326.754	436888.677	1354.842 PACS
1143.692	126071.94	459528.737	1167.561 BM
1148.613	131750.291	456513.045	1173.509 BM
1167.134	147996.864	448777.681	1191.063 BM



**ATTACHMENT "TO 11-3"**

**FEE SCHEDULE**

**2011 FEE SCHEDULE**

Delta Airport Consultants, Inc.

Date: June 24, 2010

Item	2011
<b>Work Hours Billing Rates (with overhead)</b>	
Principal	<b>\$198</b>
Project Manager/Registered Professional	<b>\$159</b>
Design Professional (Engineer/Planner/Architect)	<b>\$102</b>
Project Production/Administration	<b>\$73</b>
Field Representative	<b>\$77</b>
 <b>Direct Nonsalary Expenses</b>	
Automobile (per mile)	Federal Gov. guidelines
Beech Baron (per flight hour)	\$185
Cessna 206 (per flight hour)	\$93
Cessna 182 (per flight hour)	\$77
Cessna 172 (per flight hour)	\$60
Per Diem - Resident Project Rep	Federal Gov. guidelines
Long term - meals & lodging (per cal day)	
Airline, Rental Car, Charter, etc.	Direct
Printing	Direct
Advertisement	Direct
Meals, Lodging, etc. (short term)	Direct
Miscellaneous	Direct
 <b>Subcontracted Services</b>	 Direct
 <b>Delta Profit</b>	 Fixed Fee

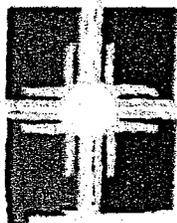
**Notes:**

1. Billing rates for future years will be increased by 3% annually.
2. Billing rates based on estimated 2011 salaries (i.e.: 2010 salaries plus 3% inflation).
3. Work hour rates include labor overhead and general & administrative overhead per FAA AC 150/5100-14D, paragraph 4-9 at 198.45%

DATE

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# STATE GRANT AGREEMENT FOR AIRPORT PROJECTS



*New Mexico* DEPARTMENT OF  
**TRANSPORTATION**  
MOBILITY FOR EVERYONE

## AVIATION DIVISION

Sponsor Name

City of Las Cruces

Respond to:  
NEW MEXICO AVIATION DIVISION  
PO Box 9830  
Albuquerque, NM 87119  
505-244-1788 phone  
505-244-1790 fax

Contract No. \_\_\_\_\_

Project No. \_\_\_\_\_

Vendor No. \_\_\_\_\_

Expiration Date \_\_\_\_\_

AGREEMENT between City of Las Cruces, New Mexico (hereinafter called the "Sponsor") and the State of New Mexico, acting through the New Mexico Department of Transportation, Aviation Division (hereinafter called the "Division"), for the purpose of carrying out the provisions of NMSA 1978, Section 64-1-13 of the Aviation Act (hereinafter called the "Act") and the Municipal Airport Law of 1978 (NMSA 1978, Section 3-39-1 et seq.). The Sponsor hereby makes application to the Division for state funds authorized in NMSA 1978, Section 64-1-13, for the purpose of aiding in financing an airport or aviation project (herein called the Project) at Las Cruces International Airport.

**Project Description:**

Rehabilitate Taxiway "A" - Phase 2

FUNDING	STATE	SPONSOR	OTHER	TOTAL
REQUEST	\$ 144,312	\$ 144,314	\$ 5,483,879	\$ 5,772,505

ROUND TO THE NEAREST DOLLAR

The site of development and items of work are more particularly described on the property map, "Exhibit A", attached hereto.

Items of work, cost and source of funds are stated in "Exhibit B", also attached hereto.

**REPRESENTATIONS**

The Sponsor hereby represents and certifies the following:

1. **Legal Authority** - The Sponsor has the legal power and authority: (1) to do all things necessary in order to undertake and carry out the Project in conformity with the provisions stated in the New Mexico Aviation Act and Rules and Regulations pursuant thereto; (2) to accept, receive and disburse grants of funds from the State of New Mexico in aid of the Project; and (3) to carry out all provisions stated in this "Grant Agreement for Airport Projects."
2. **Defaults** - The Sponsor is not in default on any obligation to the State of New Mexico relative to the development, operation or maintenance of any airport or aviation project except as stated in "Exhibit C"
3. **Possible Disabilities** - The Sponsor states, by execution of this AGREEMENT, there are no facts or circumstances (including the existence of effective or proposed leases, use agreements, or other legal instruments affecting use of the airport or the existence of pending litigation or other legal proceedings) which in reasonable probability might make it impossible for the Sponsor to carry out and complete the Project.
4. **Land** - The Sponsor holds the following property interest in the following areas of land which are to be developed or used as part of or in connection with the Project, subject to the following exceptions, encumbrances and adverse interests, of all which areas are identified in the aforementioned property map designated as "Exhibit A": The Sponsor further certifies that the aforementioned is based on a title examination by a qualified attorney or title company who has determined that the Sponsor holds the stated property interests.

**ASSURANCES**

The Sponsor hereby covenants and agrees with the Division as follows:

1. The Sponsor agrees that it will operate the airport receiving aid under this application for the use and benefit of the public on fair and reasonable terms, and without unjust discrimination.
2. The Sponsor specifically agrees that it will keep said airport open to all types, kinds and classes of aeronautical use without discrimination between such types, kinds, and classes: **provided**, that the Sponsor may establish such fair, equal and not unjustly discriminatory conditions to be met by all users of the airport as may be necessary for the safe and efficient operation of the airport; and **further provided**, that the Sponsor may with the approval of the Division prohibit or limit any given type, kind or class of aeronautical use of the airport if such action is necessary for the safe operation of the airport or necessary to serve the civilian aviation needs of the public.
3. The Sponsor agrees that in its operation of the airport and all facilities thereon, neither it nor any person or organization occupying space of facilities thereon will discriminate against any person or class of persons by reason of race, color, creed, or national origin in the use of the facility provided for the public on the airport; and further that any person, firm or corporation rendering service to the public on the airport will do so on a fair, equal and not unjustly discriminatory basis to all users thereof.
4. The Sponsor will operate and maintain in a safe and serviceable condition the airport and all facilities thereon and connected therewith which are necessary to serve the aeronautical users thereof and will not permit any activity thereon which would interfere with its use for airport purposes.
5. The Sponsor will, by acquisition of land interest, acquisition of easements, airspace zoning, or other accepted means, protect the runway approaches and the airspace in the immediate vicinity of the airport from the construction, alteration, erection or growth of any structure which would interfere with the use or operation of the airport.
6. The Sponsor agrees that no landing fee shall be charged any owner or operator of aircraft using said airport; which would be in violation of 64-1-16, NMSA 1978, as amended.
7. If said airport is on private land, the Sponsor has attached hereto, titled "Exhibit A-3," a duly executed agreement permitting public use of this land for airport purposes without limit as to time.
8. The Sponsor agrees to comply with the New Mexico Aviation Act and the rules and regulations promulgated there under.

**PROJECT AGREEMENT**

It is understood and agreed that all development included in such Project will be accomplished in accordance with the New Mexico Aviation Act and all Rules and Regulations pursuant thereto. It is understood and agreed that the work approved under this application will be commenced within one hundred and twenty days from the date this application is approved unless such longer time is prescribed by the Division. It being further understood and agreed that should the Sponsor fail to do those things described and approved on or before one year from the date this agreement is approved or a later date as may be prescribed by the Division that said grant shall, without notice, be withdrawn and reverted to the "State Aviation Funds."

It is understood that the grant approved under this AGREEMENT shall be paid subject to the availability of funds from the "State Aviation Fund."

NOW THEREFORE, in consideration of the Sponsor's adoption and ratification of the representations and assurances contained and its acceptance of the terms of this AGREEMENT, the parties agree as follows:

**SECTION ONE - PURPOSE:**

The Sponsor has submitted to the Division an AGREEMENT for a grant of State funds for a project at or associated with the aforementioned airport. The Division has approved the above referenced AGREEMENT and has agreed to pay, as the State's Share, 

50
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 % of the Sponsor's share of all allowable cost for the project.

**SECTION TWO - PROJECT FUNDING:**

1. The funding for this project is as set forth on Exhibit B.
2. The maximum obligation of the State payable by the Division under this AGREEMENT is as set forth in Exhibit B.

**SECTION THREE - SPONSOR SHALL:**

1. Pay all costs, perform all labor, and supply all material, except as described in SECTION TWO of this AGREEMENT, for the purpose as described in SECTION ONE.
2. Provide a representative from its organization who shall serve as the single point of contact for the Division.
3. Maintain in force a **Maintenance Resolution** by which the Sponsor agrees to establish an airport maintenance program and appoint an individual to be responsible for its effectuation.
4. Initiate engineering, survey, and all other design activities, inspect Project construction and, coordinate all meetings.

5. Be responsible for all design and pre-construction activities including, but not limited to:
    - a. drainage and storm drain design;
    - b. geotechnical investigations;
    - c. pavement design;
    - d. use analysis;
    - e. structural design;
    - f. environmental and archaeological clearances;
    - g. airport layout plans
    - h. hazardous substance waste site(s) contamination investigations.
  6. Initiate and cause to be prepared all necessary documents including plans, specifications, and estimates (PS&E), and reports for this Project.
  7. Assure that all design and PS&E are performed under the direct supervision of a Registered New Mexico Professional Engineer.
  8. Design the Project in accordance with State and Federal guidelines and/or advisory circulars, hereby incorporated into this AGREEMENT.
  9. Notify the Division's designated engineer when the plans and specifications are sufficiently complete for review.
  10. Make no changes in design or scope of work without written approval of the Aviation Division.
  11. Advertise for and contract for the construction of the Project.
  12. Require the Engineer to prepare a final detail estimate of the work, indicating the bid items, the quantity in each item, the unit bid price and cost of the items based on low acceptable bid prices. Progress estimates shall be submitted to the Division in acceptable form so that details of quantities allowed on various items of work shall be shown on each progress payment. All detail estimates shall be in format approved by the Division.
  13. The Sponsor shall take all steps, including litigation if necessary, to recover State funds spent fraudulently, wastefully, or in violation of State statutes, or misused in any other manner on any project upon which State funds have been expended. For the purposes of this AGREEMENT, the term "State funds" means funds, however used or disbursed by the Sponsor, that were paid by the Division pursuant to this AGREEMENT. The Sponsor shall obtain the approval of the Division as to any determination of the amount of the State share of such funds. It shall return the recovered State share, including funds recovered by settlement, order, or judgment, to the Division. It shall furnish to the Division, upon request, all documents and records pertaining to the determination of the amount of the State share of any settlement, litigation, negotiation, or the efforts taken to recover such funds. All settlements or other final dispositions by the Sponsor, in court or otherwise, involving the recovery of such State share shall be approved in advance by the Division.
  14. The Sponsor shall, upon reasonable notice, allow the Division the right to inspect the project for the purposes of determining if it is being constructed in a good and workmanlike manner, and if the approved plans and specifications are being satisfactorily complied with. If such inspection discloses a failure to substantially meet such requirements and standards as, approved by the Division, the Division may terminate payment or payments until a mutually satisfactory remedy is agreed upon.
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15. The Sponsor does hereby ratify and adopt all assurances; statements, representations, warranties, covenants and, agreements contained in the AGREEMENT, and do hereby accept the Offer and by such acceptance agrees to comply with all of the terms and conditions in this AGREEMENT.
16. The Sponsor's acceptance of the Offer and ratification and adoption of the terms and conditions contained herein shall be evidenced by execution of this AGREEMENT, constituting the contractual obligations and rights of the Division and the Sponsor with respect to the accomplishment of the Project in accordance with all of the State's applicable laws and rules and in compliance with the assurances and conditions as provided herein. This AGREEMENT shall become effective upon the Divisions acceptance and upon complete execution of this AGREEMENT by all parties.

**SECTION FOUR - DIVISION SHALL:**

1. Assign a Technical Engineer as a contact person for this project.
2. Provide timely reviews of all submittals of scopes, plans, specifications, investigations or other documents.
3. Examine materials submitted for review; these items shall include the following:
  - a. Basic design concept;
  - b. Copies of plans, specifications, and estimates at 75% and 95% completion;
  - c. Required proofs of conformance with established design standards; and
  - d. Conformance with New Mexico Environment Department requirements, when applicable, with regard to the preliminary and final investigation of hazardous substance/waste site(s); and in conformance with the preliminary and final design for the removal of contaminates from the affected site(s).
4. The Division shall not provide an extensive check of any plans submitted by the Sponsor. Acceptance of plans by the Division does not relieve the Sponsor or its Consultant of their responsibility for errors and omissions.

**SECTION FIVE - BOTH PARTIES AGREE:**

1. Prior to the Notice to Proceed date, the Sponsor shall submit to the Division one complete set of plans and specifications which incorporate all comments and recommendations received during pre-bid activities and which have been fully executed by all involved parties.
  2. The Sponsor shall obtain authorization from the Division prior to advertising the Project for bids.
  3. If upon termination of this AGREEMENT there remain any properties, materials or equipment belonging to the Division, the Sponsor shall account for the same and dispose of them as directed by the Division.
  4. The allowable costs of the Project shall not include costs determined by the Division to be ineligible for consideration under the Act.
  5. The expenditure of any State money is subject to approval of all plans, specifications and other contract documents by the Division. The Sponsor shall comply with all applicable provisions of each of the referenced documents approved by the Division.
-

6. The Local Government's Road Fund shall not be used to administer this program, and no Sponsor receiving a distribution pursuant to a program requiring matching funds shall use another distribution made pursuant to NMSA 1978, Section 67-3-28.2, as amended.

**SECTION SIX - COMPLIANCE WITH LAW:**

The Sponsor shall comply with all Federal, State, and local laws and ordinances applicable to the work called for herein.

**SECTION SEVEN - COMPLIANCE WITH EMPLOYMENT LAW AND COOPERATION WITH DEPARTMENT INVESTIGATIONS:**

The Sponsor shall comply with all applicable Federal, State, and Department laws, regulations and policies, including, but not limited to laws governing, civil rights, equal opportunity compliance, environmental issues, workplace safety, employer-employee relations and all other laws governing operation of the workplace, including laws and regulations hereafter enacted. The Sponsor shall furnish all information and reports required by, or pursuant to, the rules, regulations, and policies of the Department, and will permit access to, and the interview of, its employees, and the, except for legally privileged material, examination and copying of its employee records by investigators for the Department's Equal Opportunity Programs Bureau, Office of Inspector General, and Risk Management Bureau, the New Mexico Attorney General's Office, the New Mexico Department of Labor, and all branches of the United States Department of Transportation; and will otherwise fully cooperate with all such investigations.

**SECTION EIGHT - NEW MEXICO TORT CLAIMS ACT:**

By entering into this AGREEMENT, neither party shall be responsible for liability incurred as a result of the other party's acts or omissions in connection with this AGREEMENT. Any liability incurred in connection with this AGREEMENT is subject to the immunities and limitations of the New Mexico Tort Claims Act, Sections 41-4-1, et seq., NMSA 1978, as amended. This paragraph is intended only to define the liabilities between the parties hereto and it is not intended to modify, in any way, the parties' liabilities as governed by common law or the New Mexico Tort Claims Act. The Sponsor and its "public employees" as defined in the New Mexico Tort Claims Act, and the Department and its "public employees" as defined in the New Mexico Tort Claims Act, do not waive sovereign immunity, do not waive any defense and/or do not waive any limitation of liability pursuant to law. No provision in this AGREEMENT modifies and/or waives any provision of the New Mexico Tort Claims Act.

**SECTION NINE - ACCOUNTABILITY OF RECEIPTS AND DISBURSEMENTS:**

There shall be strict accountability for all receipts and disbursements relating hereto. The Sponsor shall maintain all records and documents relative to the Project for a minimum of three (3) years after completion of said Project. The Sponsor shall furnish the Division or State Auditor, upon demand, all records relevant to this AGREEMENT and allow them the right to audit all records which support the terms of this AGREEMENT.

**SECTION TEN - AUTHORIZATION OF EXPENDITURES:**

The terms of this AGREEMENT are contingent upon sufficient appropriations and authorizations being made by the Legislature of New Mexico, or the Congress of the United States if Federal funds are involved, for the performance of this AGREEMENT. If sufficient appropriations and authorizations are not made by the State Legislature or the Congress of the United States, if federal funds are involved, this AGREEMENT shall terminate upon written notice given by the Division to the Sponsor. The Division is expressly not committed to the expenditure of any funds until such time, as they are programmed, budgeted, encumbered and approved for expenditure by the Division. The Division's decision as to whether its funds are sufficient for the fulfillment of this AGREEMENT shall be final.

**SECTION ELEVEN - REIMBURSEMENTS:**

Funds expended by the Sponsor in accordance with the terms of this agreement shall be reimbursed by the Division to the Sponsor on a monthly basis. Interim reimbursement requests shall include a letter from the Sponsor requesting the amount due at that time and be accompanied by invoices from the parties to be paid by the Sponsor. The invoices shall total the amount to be paid at any time, of which the State share is a set percentage and/or fixed amount. Final reimbursement requests shall include a letter from the Sponsor requesting the amount due as the final payment and be accompanied by invoices from the parties to be paid by the Sponsor of which the State share is a set percent and/or fixed amount. The final payment request shall also be accompanied by proofs of payment that total the amount of money expended by the Sponsor on the Project. Proof of payment may be canceled checks or formal ledger entries. At the Sponsor's option, proofs of payment for interim pay requests may be submitted prior to the final payment request. All payment requests for projects in which the Sponsor is also directly receiving Federal money from the Federal Aviation Administration shall be accompanied by a copy of the Federal reporting form for reimbursement by which the Sponsor is requesting the federal share.

**SECTION TWELVE - TERMINATION:**

If the Sponsor fails to comply with any provision of this AGREEMENT, the Division has the option to terminate this AGREEMENT. By such termination, neither party may nullify obligations already incurred for performance or failure to perform prior to termination of this AGREEMENT. This AGREEMENT shall expire two years from date of execution by all of the parties hereto.

**SECTION THIRTEEN - MERGER:**

This AGREEMENT incorporates all the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof, and all such covenants, agreements and understandings have been merged into this written AGREEMENT. No prior agreement or understandings, verbal or otherwise, by parties or their agents shall be valid or enforceable unless embodied in this AGREEMENT. The terms of this AGREEMENT are lawful; performance of all duties and obligations herein shall conform with and do not contravene any State, local, or Federal statutes, regulations, rules, or ordinances.

**SECTION FOURTEEN - EXECUTION OF AGREEMENT:**

The AGREEMENT shall not take effect until executed by all of the parties hereto.

**SECTION FIFTEEN - SEVERABILITY:**

In the event that any portion of this contract is determined to be void, unconstitutional, or otherwise unenforceable, the remainder of this contract shall remain in full force and effect.

**SECTION SIXTEEN - AMENDMENT:**

This agreement shall not be altered, modified, or amended except by an instrument in writing and executed by the parties hereto.

Recommended by AVIATION DIVISION

Approved by the  
NMDOT Aviation Division Director

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

By: \_\_\_\_\_

By: \_\_\_\_\_

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

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

Approved as to form and legal sufficiency  
by the NMDOT Office of General Counsel

By: \_\_\_\_\_  
Assistant General Counsel

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

\_\_\_\_\_

Executed this 29th day of August, 2011.

CITY OF LAS CRUCES  
Name of Sponsor

By: [Signature]  
Sponsor's Designated Official Representative

Title: City Manager

(Seal)  
Attest: [Signature]

Title: City Clerk

**Certificate of Sponsor's Attorney**

I, [Signature] acting as Attorney for the Sponsor, do hereby certify that in my opinion, the Sponsor is empowered to enter into the foregoing Grant Agreement under the laws of the State of New Mexico. Further, I have examined the foregoing Grant Agreement and the actions taken by said Sponsor related thereto, and find that the acceptance thereof by said Sponsor and Sponsor's official representative have been duly authorized and that the execution thereof is in all respects due and proper and in accordance with the laws of the said State and the Act. In addition, for grants involving projects to be carried out on property not owned by the Sponsor, there are no legal impediments that will prevent full performance by the Sponsor. Further, it is my opinion that the said Grant Agreement constitutes a legal and binding obligation of the Sponsor in accordance with the terms thereof.

Dated at [Signature] this 28th day of August, 2011

[Signature]  
Signature

**EXHIBIT A AIRPORT PROPERTY MAP OR ALP** (Submit with application/agreement)

**EXHIBIT A-1 PLANS AND SPECIFICATIONS** (Submit to Aviation Division Engineer for review when available)

**EXHIBIT A-2 PROJECT ENGINEERING**

(Project Engineer to provide the following information as it is available).

An estimate of the costs which would be incurred in providing the engineering data necessary to make an investigation, testing, estimates, prepare plans and specifications, supervise award of contract, prepare contract, stake the work, observe the work, make final inspection and final contract estimate. (Submit to Aviation Division Engineer for Review when available)

The work will be accomplished in accordance with the Federal Aviation Administration's Standards for Specifying Construction of Airports (Advisory Circular 150/5370-10, current edition).

**EXHIBIT A-3 AIRPORT ON PRIVATE LAND**

Attach duly executed agreement permitting public use of this land for airport purposes without limit as to time. If not applicable please note.

**EXHIBIT A-4 AIRPORT ZONING AND LAND USE**

Municipal Airport Law of 1978 (NMSA 1978, Section 3-39-1 et seq.)

Indicate if the city has adopted a zoning ordinance, date it was adopted and if a copy is on file with the NMDOT Aviation Division.

**EXHIBIT A-5 SPONSOR OBLIGATED/COMMITTED FUNDS**

This provides verification to the NMDOT Aviation Division that the Sponsor's share has been obligated / committed. The funds will be for use in defraying the costs of the project.

This must be submitted as part of the grant application/agreement to the NMDOT Aviation Division.

(Attach meeting minutes, resolution or other authorization stating the commitment of funding for the Sponsor's share of the cost of the project.)

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**EXHIBIT B PROJECT COSTS**

**SPONSOR** City of Las Cruces

ITEM NO.	ITEM OF WORK AND DESCRIPTION	STATE FUNDS	SPONSOR'S FUNDS	OTHER FUNDS	TOTAL ESTIMATED COSTS
1	Rehabilitate Taxiway "A"	\$ 144,312	\$ 144,314	\$ 5,483,879	\$ 5,772,505

ITEM NO.	ITEM OF WORK AND DESCRIPTION	STATE FUNDS	SPONSOR'S FUNDS	OTHER FUNDS	TOTAL ESTIMATED COSTS
		\$	\$	\$	\$

ITEM NO.	ITEM OF WORK AND DESCRIPTION	STATE FUNDS	SPONSOR'S FUNDS	OTHER FUNDS	TOTAL ESTIMATED COSTS
		\$	\$	\$	\$

ITEM NO.	ITEM OF WORK AND DESCRIPTION	STATE FUNDS	SPONSOR'S FUNDS	OTHER FUNDS	TOTAL ESTIMATED COSTS
		\$	\$	\$	\$

<b>TOTALS</b>	\$ 144,312	\$ 144,314	\$ 5,483,879	\$ 5,772,505
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**EXHIBIT C DEFAULT STATEMENT**

The Sponsor is not in default on any obligation to the State of New Mexico, or any agency of the State of New Mexico, relative to the development, operation or maintenance of any airport except as stated below in this Exhibit C.



Signature

City Manager

Title

8/29/11

Date

3-35-0024-026

Sponsor's Federal Identification Number

APPROVED AS TO FORM:  
  
CITY ATTORNEY

**EXHIBIT C-1 SUSPENDED/DEBARMENT STATEMENT**

The Sponsor hereby specifically agrees that it shall not award the contract for which this grant is given, nor shall bidding documents be given to any contractor which or who is subject to suspension or debarment by the U.S. Department of Transportation or any of its agencies, or the New Mexico Department of Transportation at the time of the bidding or award of the contract. Violation of this provision shall void this grant.

APPROVED AS TO FORM:  
*[Signature]*  
City Attorney

*[Signature]*  
Signature

City Manager  
Title

8/29/11  
Date

3-35-0024-026  
Sponsor's Federal Identification Number

**PROJECT CLOSE-OUT DOCUMENTS****CLOSE OUT REQUIREMENTS**

The final payment request shall also be accompanied by proofs of payment that total the amount of money expended by the Sponsor on the Project. Proof of payment may be canceled checks or formal ledger entries before the final reimbursement can be released by the Division.

**1. Final Inspection Forms**

Once a construction project is completed, a final inspection and acceptance of the project are required. The Division must be made aware of the time and place of the final inspection, in writing. Two weeks notice is preferred. One of the Division's staff will be in attendance. The following three forms are to be used for the final inspection/final acceptance process.

- a. Notice of Final Inspection
- b. Final Inspection Report
- c. Project Acceptance

**2. Financial and Compliance Project Audit**

A satisfactory financial and compliance audit of the project will be completed by the Division before the balance of funds will be released.

**3. Updated Airport Layout Plan**

After the project completion, if the project causes a facility change, another Airport Layout Plan will be submitted showing the scope of the project actually completed. The balance of the funds cannot be released until the revised ALP is received by the Division.

**4. Material Test Results**

Prior to final acceptance of the project, summary documentation of materials and construction quality tests shall be provided to the Division by the Sponsor or the Sponsor's Engineer.

**5. As - Built Plans**

After project completion and prior to release of final reimbursement the Sponsor will provide the Aviation Division a copy of the as - built plans and/or record drawings.

LAST YEAR MONTHLY AMOUNTS

PER	ACTUAL	ENCUMBRANCE	BUDGET
00	.00	.00	.00
01	.00	79,739.25	252,083.37
02	41,368.58	-20,428.55	252,083.33
03	27,527.53	-27,527.53	252,083.33
04	25,606.56	12,684.37	252,083.33
05	606.78	-606.78	252,083.33
06	1,159.23	-1,159.23	252,083.33
07	.00	.00	252,083.33
08	180,900.56	832,559.21	252,083.33
09	3,837.00	36,082.57	252,083.33
10	70,763.65	84,604.50	252,083.33
11	35,271.60	-18,463.35	252,083.33
12	728,337.89	-469,474.47	252,083.33
13	.00	-508,009.99	.00
Tot:	1,115,379.38	.00	3,025,000.00

PRIOR YEARS TOTAL AMOUNTS

2010 Actual	1,115,379.38	2010 Orig Budget	1,075,000.00
2010 Closed @ YE	1,115,379.38	2010 Bud Tfr In	1,950,000.00
2010 Encumbrance	.00	2010 Bud Tfr Out	.00
2010 Memo Bal	1,115,379.38	2010 C Fwd Budget	.00
2009 Actual	1,131,970.40	2010 Revsd Budget	3,025,000.00
2008 Actual	410,936.99		
2007 Actual	252,988.49	2009 Orig Budget	1,349,027.00
2006 Actual	.00	2009 Revsd Budget	1,786,638.00
2005 Actual	.00	2008 Orig Budget	1,000,000.00
2004 Actual	.00	2008 Revsd Budget	2,275,000.00
2003 Actual	.00		
2002 Actual	.00	2010	0.00
2001 Actual	.00	2009	0.00
		2008	0.00

FUTURE YEAR AMOUNTS

PER	2012 BUDGET		BUDGET
00	.00	2012 DEPT	2,514,238.00
01	216,976.75	2012 DIRECTOR	.00
02	216,976.75	2012 BGT OFFICE	.00
03	216,976.75	2012 CITY MGR	2,603,721.00
04	216,976.75	2012 COUNCIL	2,603,721.00
05	216,976.75	2012 Revised	2,603,721.00
06	216,976.75	2013 Estimate	.00
07	216,976.75	2014 Estimate	.00
08	216,976.75	2015 Estimate	.00
09	216,976.75	2016 Estimate	.00
10	216,976.75		
11	216,976.75	2012 Memo Bal	.00
12	216,976.75	2012 Encumbrance	.00
13	.00	2012 Requisition	.00
Tot:	2,603,721.00		

TAXIWAY MATCH  
WILL COME  
OUT OF THIS  
ACCOUNT

ACCOUNT NOTES

CITY OF LAS CRUCES  
ADOPTED BUDGET FY 2011/2012

FUND	DIVISION		FUND TYPE	
Airport Improvement Fund 4300	Transportation		Capital Project	
	FY 2010/11 UNAUDITED	FY 2011/12 Adopted	FY 2011/12 Adjustment	FY 2011/12 Adjusted
<b>RESOURCES</b>				
Beginning Balance	\$ 716,318	736,611		736,611
<b>REVENUES</b>				
570010 Interest Income	\$ 17,218	20,000		20,000
570015 Net Incr (Decr) Fair Value Investment	(1,803)	0		0
70B03 FAA Airport Lights/Sings	4,878	0		0
70B08 Impr. Grant Runway 12-30 Rehab	0	9,844		9,844
70B09 Runway 12-30 Reconstruction	373,183	929,647		929,647
70B10 Automated Weather Observation System FAA	160,822	160,673		160,673
70B12 Rehab Taxiway A	0	5,483,879	144,312	5,628,191
70B13 Electronic Airport Layout Plan (eALP)	0	418,589		418,589
70C00 FAA Grant - Air Traffic Control Tower Phase I	575,153	457,870		457,870
<b>Total Revenues</b>	\$ 1,129,451	7,480,502	144,312	7,624,814
<b>Total Resources</b>	\$ 1,845,769	8,217,113	144,312	8,361,425
<b>EXPENDITURES</b>				
70B08 Impr. Grant Runway 12-30 Rehab	0	9,844		9,844
70B09 Rehab Runway 12-30	373,183	929,647		929,647
70B10 Automated Weather Observation System FAA	160,822	160,673		160,673
70B12 Rehab Taxiway A	0	5,483,879	144,312	5,628,191
70B13 Electronic Airport Layout Plan (eALP)	0	418,589		418,589
70C00 Air Traffic Control Tower	575,153	457,870		457,870
<b>Total Expenditures</b>	\$ 1,109,158	7,460,502	144,312	7,604,814
<b>ENDING BALANCE</b>	\$ 736,611	756,611	0	756,611

BID TABULATIONS

Alternate 1  
Rehabilitate Taxiway "A"

Las Cruces International Airport  
Las Cruces, New Mexico

AIP Project No. 3-35-0024-023-2009 (Design)  
AIP Project No. 3-35-0024-Pending (Construction)  
City of Las Cruces Bid No. 11-12-329  
Delta Project No. NM 10078

Bid Opening Date: July 26, 2011

Item No.	Spec. No.	Description	Unit	Bid Quantity	Engineer's Estimate		C.F. Jordan Construction, LLC		Mountain States Constructors, Inc.		Morrow Enterprises, Inc.	
					Unit Price	Estimate Amount	Unit Price	Bid Amount	Unit Price	Bid Amount	Unit Price	Bid Amount
1	P-100	MOBILIZATION	LS	1	\$289,000.00	\$289,000.00	\$240,000.00	\$240,000.00	\$750,000.00	\$750,000.00	\$330,000.00	\$330,000.00
2	P-140	PAVEMENT REMOVAL	SY	84,000	\$2.50	\$210,000.00	\$1.00	\$84,000.00	\$1.80	\$151,200.00	\$3.50	\$294,000.00
3	P-150	MISCELLANEOUS AND ELECTRICAL DEMOLITION	LS	1	\$75,000.00	\$75,000.00	\$65,000.00	\$65,000.00	\$210,000.00	\$210,000.00	\$160,000.00	\$160,000.00
4	P-150	REMOVE L-861 BASE MOUNTED MRL	EA	6	\$75.00	\$450.00	\$40.00	\$240.00	\$105.00	\$630.00	\$113.67	\$682.02
5	P-150	REMOVE L-861T BASE MOUNTED MITL	EA	134	\$150.00	\$20,100.00	\$40.00	\$5,360.00	\$80.00	\$10,720.00	\$83.40	\$11,175.60
6	P-150	REMOVE PULLC/JUNCTION STRUCTURE	EA	18	\$300.00	\$5,400.00	\$60.00	\$1,080.00	\$75.00	\$1,350.00	\$79.40	\$1,429.20
7	P-150	REMOVE AIRFIELD GUIDANCE SIGN	EA	26	\$75.00	\$1,950.00	\$40.00	\$1,040.00	\$290.00	\$7,540.00	\$321.01	\$8,346.26
8	P-150	REMOVE UNLIGHTED SIGN	EA	3	\$225.00	\$675.00	\$350.00	\$1,050.00	\$220.00	\$660.00	\$235.33	\$705.99
9	P-150	REMOVE TAXIWAY EDGE REFLECTOR	EA	7	\$75.00	\$525.00	\$25.00	\$175.00	\$200.00	\$1,400.00	\$127.96	\$895.50
10	P-150	REMOVE REFLECTOR PIPE SLEEVE	EA	30	\$75.00	\$2,250.00	\$25.00	\$750.00	\$250.00	\$7,500.00	\$18.85	\$565.50
11	P-151	CLEARING AND GRUBBING	AC	1	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00
12	P-152	UNCLASSIFIED EXCAVATION	CY	33,000	\$7.50	\$247,500.00	\$6.00	\$198,000.00	\$9.00	\$297,000.00	\$6.00	\$198,000.00
13	P-152	MUCK EXCAVATION	CY	3,500	\$15.00	\$52,500.00	\$9.00	\$31,500.00	\$14.00	\$49,000.00	\$6.00	\$21,000.00
14	P-154	CRUSHED AGGREGATE SUBBASE COURSE	CY	200	\$45.00	\$9,000.00	\$46.00	\$9,200.00	\$50.00	\$10,000.00	\$58.17	\$11,634.00
15	P-156	EROSION AND SEDIMENT CONTROL	LS	1	\$30,000.00	\$30,000.00	\$22,000.00	\$22,000.00	\$5,000.00	\$5,000.00	\$2,164.85	\$2,164.85
16	P-156	SILT FENCE	LF	9,500	\$5.00	\$47,500.00	\$3.00	\$28,500.00	\$1.25	\$11,875.00	\$1.35	\$12,825.00
17	P-160	ASPHALTIC PAVEMENT SURFACE MILLING	SY	250	\$6.00	\$1,500.00	\$11.00	\$2,750.00	\$12.00	\$3,000.00	\$7.00	\$1,750.00
18	P-304	CEMENT TREATED BASE COURSE (6")	SY	64,700	\$20.00	\$1,294,000.00	\$12.00	\$776,400.00	\$13.60	\$879,920.00	\$14.50	\$938,150.00
19	P-401	BITUMINOUS SURFACE COURSE	TN	16,500	\$100.00	\$1,650,000.00	\$90.00	\$1,485,000.00	\$88.00	\$1,462,000.00	\$101.04	\$1,667,160.00
20	P-405	GROUND STABILIZATION FABRIC	SY	500	\$3.00	\$1,500.00	\$8.00	\$4,000.00	\$10.00	\$5,000.00	\$2.53	\$1,265.00
21	M-103	CLOSED RUNWAY MARKER	EA	5	\$1,500.00	\$7,500.00	\$1,800.00	\$9,000.00	\$1,000.00	\$2,000.00	\$1,420.92	\$7,104.60
22	M-104	TRAFFIC DRUMS	EA	5	\$1,500.00	\$7,500.00	\$200.00	\$1,000.00	\$850.00	\$4,250.00	\$1,063.79	\$5,318.95
23	M-107	AVIATION BARRICADES	EA	5	\$100.00	\$500.00	\$200.00	\$1,000.00	\$110.00	\$550.00	\$98.78	\$493.90
24	M-107	BUCKET BARRICADES	EA	1,800	\$30.00	\$54,000.00	\$25.00	\$45,000.00	\$30.00	\$54,000.00	\$29.63	\$53,334.00
25	P-619	PAINT REMOVAL	EA	15	\$250.00	\$3,750.00	\$300.00	\$4,500.00	\$320.00	\$4,800.00	\$205.16	\$3,077.40
26	P-620	PERMANENT RUNWAY AND TAXIWAY PAINTING	SF	2,000	\$3.00	\$6,000.00	\$3.00	\$6,000.00	\$1.75	\$3,500.00	\$2.28	\$4,560.00
27	P-620	INITIAL RUNWAY AND TAXIWAY PAINTING	SF	27,500	\$1.00	\$27,500.00	\$2.00	\$55,000.00	\$0.40	\$11,000.00	\$0.53	\$14,575.00
28	P-620	SURFACE PAINTED RUNWAY HOLDING POSITION SIGN	EA	15,500	\$2,000.00	\$31,000.00	\$2.00	\$31,000.00	\$0.50	\$7,750.00	\$0.68	\$10,540.00
29	P-162	6" X 24" GALVANIZED DOUBLE SWING DRIVEWAY GATE	EA	12	\$5,000.00	\$60,000.00	\$450.00	\$5,400.00	\$500.00	\$6,000.00	\$6,057.95	\$72,945.60
30	D-701	16" RCP, CLASS V	LF	166	\$100.00	\$16,600.00	\$60.00	\$9,960.00	\$75.00	\$12,450.00	\$125.00	\$20,750.00
31	D-701	24" RCP, CLASS V	LF	705	\$125.00	\$88,125.00	\$107.00	\$75,465.00	\$85.00	\$59,925.00	\$150.00	\$105,750.00
32	D-701	36" RCP, CLASS V	LF	705	\$150.00	\$105,750.00	\$137.00	\$96,885.00	\$137.00	\$96,885.00	\$250.00	\$176,750.00
33	D-701	42" RCP, CLASS V	LF	1,173	\$200.00	\$234,600.00	\$130.00	\$152,490.00	\$173.00	\$203,250.00	\$225.00	\$263,812.50
34	D-701	36" ELLIPTICAL RCP, CLASS IV	LF	150	\$150.00	\$22,500.00	\$135.00	\$20,250.00	\$165.00	\$24,750.00	\$223.05	\$33,457.50

**BID TABULATIONS**

**Alternate 1  
Rehabilitate Taxiway "A"**

Las Cruces International Airport  
Las Cruces, New Mexico

AIP Project No. 3-35-0024-023-2009 (Design)  
AIP Project No. 3-35-0024-Pending (Construction)  
City of Las Cruces Bid No. 11-12-329  
Delta Project No. NM 10078

Bid Opening Date: July 26, 2011

Item No.	Spec. No.	Description	Unit	Bid Quantity	Engineer's Estimate		C.F. Jordan Construction, LLC		Mountain States Constructors, Inc.		Morrow Enterprises, Inc.	
					Unit Price	Estimate Amount	Unit Price	Bid Amount	Unit Price	Bid Amount	Unit Price	Bid Amount
36	D-701	36" ELLIPTICAL TO 36" ROUND CONCRETE PIPE ADAPTER, CLASS IV	EA	1	\$3,500.00	\$3,500.00	\$5,300.00	\$5,300.00	\$2,700.00	\$2,700.00	\$9,000.00	\$9,000.00
37	D-701	18" PIPE COLLAR	EA	2	\$1,250.00	\$2,500.00	\$600.00	\$1,200.00	\$1,200.00	\$2,400.00	\$2,500.00	\$5,000.00
38	D-701	24" PIPE COLLAR	EA	3	\$1,500.00	\$4,500.00	\$700.00	\$2,100.00	\$1,225.00	\$3,675.00	\$2,500.00	\$7,500.00
39	D-751	60" DIA. MANHOLE W/ NEEHAH R-3492-B FRAME AND SOLID LID	EA	2	\$5,000.00	\$10,000.00	\$25,000.00	\$50,000.00	\$9,600.00	\$19,200.00	\$8,000.00	\$16,000.00
40	D-751	72" DIA. MANHOLE W/ NEEHAH R-3492-B FRAME AND SOLID LID	EA	1	\$7,000.00	\$7,000.00	\$17,000.00	\$17,000.00	\$18,000.00	\$18,000.00	\$14,000.00	\$14,000.00
41	D-751	60" DIA. DROP INLET W/ NEEHAH R-3475-E FRAME AND GRATE	EA	6	\$6,000.00	\$36,000.00	\$8,200.00	\$49,200.00	\$8,400.00	\$50,400.00	\$15,000.00	\$90,000.00
42	D-751	72" DIA. DROP INLET W/ NEEHAH R-3475-E FRAME AND GRATE	EA	2	\$8,000.00	\$16,000.00	\$14,000.00	\$28,000.00	\$14,000.00	\$28,000.00	\$15,000.00	\$30,000.00
43	D-751	84" DIA. DROP INLET W/ NEEHAH R-3475-E FRAME AND GRATE	EA	1	\$10,000.00	\$10,000.00	\$23,000.00	\$23,000.00	\$19,000.00	\$19,000.00	\$18,000.00	\$18,000.00
44	T-901	SEEDING	EA	1	\$12,000.00	\$12,000.00	\$27,000.00	\$27,000.00	\$17,000.00	\$17,000.00	\$25,000.00	\$25,000.00
45	T-901	SEEDING	EA	1	\$15,000.00	\$15,000.00	\$5,200.00	\$5,200.00	\$1,000.00	\$1,000.00	\$1,022.45	\$1,022.45
46	T-905	TOPSOILING (FURNISHED FROM OFF THE SITE)	AC	10	\$30.00	\$300.00	\$24.00	\$240.00	\$25.00	\$250.00	\$4.00	\$40.00
47	T-908	MULCHING	AC	10	\$5.00	\$50.00	\$3.00	\$30.00	\$4.40	\$44.00	\$4.82	\$48.20
48	L-108	TRENCHING FOR DIRECT-BURIED CABLE	LF	500	\$1.00	\$500.00	\$1.00	\$500.00	\$0.80	\$400.00	\$0.86	\$430.00
49	L-108	NO. 8 AWG L-824C CABLE	LF	38,500	\$1.50	\$57,750.00	\$3.00	\$115,500.00	\$1.25	\$48,125.00	\$1.36	\$52,380.00
50	L-108	NO. 6 AWG SOLID BARE TINNED COPPER COUNTERPOISE WIRE	LF	5,100	\$1.50	\$7,650.00	\$3.00	\$15,300.00	\$1.25	\$6,375.00	\$1.36	\$6,936.00
51	L-108	NO. 6 AWG SOLID BARE TINNED COPPER COUNTERPOISE WIRE FOR LIGHTNING PROTECTION - PLOWED	LF	15,400	\$1.50	\$23,100.00	\$3.00	\$46,200.00	\$2.45	\$37,730.00	\$2.74	\$42,196.00
52	L-109	ELECTRICAL VAULT MODIFICATIONS	LS	1	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$12,200.00	\$12,200.00	\$13,785.34	\$13,785.34
53	L-110	ELECTRICAL DUCT BANK, 1 WAY - 2" PVC CONDUIT	LF	1,210	\$45.00	\$54,450.00	\$42.00	\$50,820.00	\$10.30	\$12,463.00	\$11.59	\$14,023.90
54	L-110	ELECTRICAL DUCT BANK, 2 WAY - 2" PVC CONDUIT	LF	970	\$50.00	\$48,500.00	\$47.00	\$45,590.00	\$14.00	\$13,580.00	\$15.76	\$15,287.20
55	L-110	ELECTRICAL DUCT BANK, 4 WAY - 2" PVC CONDUIT	LF	150	\$75.00	\$11,250.00	\$53.00	\$7,950.00	\$21.00	\$3,150.00	\$22.73	\$3,409.50
56	L-110	ELECTRICAL CONDUIT, 1 WAY - 2" PVC CONDUIT	LF	18,000	\$4.00	\$72,000.00	\$4.00	\$72,000.00	\$4.25	\$76,500.00	\$4.71	\$84,780.00
57	L-110	ELECTRICAL CONDUIT, 1 WAY - 2" PVC CONDUIT (THROUGH PAVEMENT)	LF	2,000	\$10.00	\$20,000.00	\$10.00	\$20,000.00	\$6.10	\$12,200.00	\$6.88	\$13,760.00
58	L-115	ELECTRICAL PULLCAN, L-867	EA	19	\$750.00	\$14,250.00	\$750.00	\$14,250.00	\$600.00	\$11,400.00	\$659.16	\$12,524.04
59	L-115	2 UNIT PULLCAN PLAZA	EA	23	\$1,500.00	\$34,500.00	\$1,200.00	\$27,600.00	\$910.00	\$20,930.00	\$1,026.42	\$23,607.66
60	L-115	4 UNIT PULLCAN PLAZA	EA	4	\$3,000.00	\$12,000.00	\$2,000.00	\$8,000.00	\$1,750.00	\$7,000.00	\$1,974.35	\$7,897.40
61	L-115	ADJUST ELECTRICAL MANHOLE	EA	2	\$2,500.00	\$5,000.00	\$2,100.00	\$4,200.00	\$4,000.00	\$8,000.00	\$4,514.76	\$9,029.52
62	L-125	RELOCATE L-858 AIRFIELD GUIDANCE SIGN (1-2 CHAR.)	EA	8	\$3,400.00	\$27,200.00	\$1,500.00	\$12,000.00	\$1,300.00	\$10,400.00	\$1,447.42	\$11,579.36
63	L-125	RELOCATE L-858 AIRFIELD GUIDANCE SIGN (3-4 CHAR.)	EA	16	\$3,600.00	\$57,600.00	\$1,600.00	\$25,600.00	\$1,450.00	\$23,200.00	\$1,641.63	\$26,266.08
64	L-125	RELOCATE L-858 AIRFIELD GUIDANCE SIGN (5-6 CHAR.)	EA	1	\$3,800.00	\$3,800.00	\$3,300.00	\$3,300.00	\$3,020.00	\$3,020.00	\$3,434.05	\$3,434.05
65	L-125	RELOCATE L-858 AIRFIELD GUIDANCE SIGN (7-8 CHAR.)	EA	1	\$4,000.00	\$4,000.00	\$3,900.00	\$3,900.00	\$3,700.00	\$3,700.00	\$4,129.78	\$4,129.78
66	L-125	L-858 AIRFIELD GUIDANCE SIGN (5-6 CHAR.)	EA	1	\$5,000.00	\$5,000.00	\$4,500.00	\$4,500.00	\$4,600.00	\$4,600.00	\$5,179.64	\$5,179.64
67	L-125	L-858 AIRFIELD GUIDANCE SIGN (7-8 CHAR.)	EA	1	\$5,500.00	\$5,500.00	\$5,700.00	\$5,700.00	\$5,300.00	\$5,300.00	\$5,991.89	\$5,991.89
68	L-125	L-861 BASE MOUNTED MRL	EA	8	\$500.00	\$4,000.00	\$1,000.00	\$8,000.00	\$600.00	\$4,800.00	\$669.02	\$5,352.16

**BID TABULATIONS**

**Alternate 1  
Rehabilitate Taxiway "A"**

Las Cruces International Airport  
Las Cruces, New Mexico

AIP Project No. 3-35-0024-023-2009 (Design)  
AIP Project No. 3-35-0024-Pending (Construction)  
City of Las Cruces Bid No. 11-12-329  
Delta Project No. NIM 10078

Bid Opening Date: July 26, 2011

Item No.	Spec. No.	Description	Unit	Bid Quantity	Engineer's Estimate		C.F. Jordan Construction, LLC		Mountain States Constructors, Inc.		Morrow Enterprises, Inc.	
					Unit Price	Estimate Amount	Unit Price	Bid Amount	Unit Price	Bid Amount	Unit Price	Bid Amount
69	L-125	L-981T BASE MOUNTED MITL	EA	315	\$750.00	\$236,250.00	\$760.00	\$239,400.00	\$570.00	\$179,550.00	\$638.60	\$201,159.00
<b>Alternate 1 Total:</b>						\$5,467,425.00		\$4,467,096.00		\$5,096,365.00		\$5,132,009.40 *

**Notes:**

- \* Denotes Extension or Summation Error
- Total does not include applicable New Mexico Gross Receipts Tax (NMGRT).

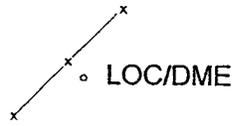
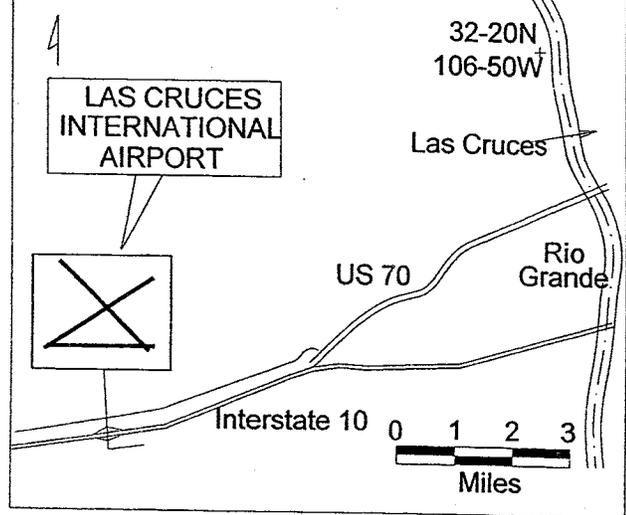
611

REMARKS

1. Quad. - 7.5 Min. Picacho Mountain.

Site No. - 14636.A  
Locn ID - LRU

N AIRPORT LOCATION



Elev. 4456'

BP

7,499' X 100'

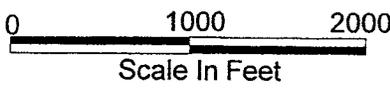
ASPH

MIRL

VASI-4

ASPH

D



7-21-2004

7,499' X 100'

B

MIRL

AWOS

GS

BP

VASI-2

6,069' X 100'

ASPH

MIRL

AWOS

GS

BP

BP

T-Hgrs

FBO

Term

T-Hgrs

BP

BP

TAXIWAY ALPHA

T-Hgrs

FBO

Term

T-Hgrs

BP

BP

Beacon

+142'  
Obst. Ltd.  
Water Tower

Office

Hgrs

Fuel Stor.

MALSR