



**CITY OF SAN ANTONIO
AVIATION DEPARTMENT
FIELD ALTERATION/ CHANGE ORDER REQUEST**

Form PW-15-Aviation
Rev. 5/2013
(Submit 3 Originals)

Date Prepared: 10/12/2016 Field Alteration No. # 28 Project No. 33-00193
Project Name: Terminal Area Taxiway Improvements - Package 2

The revision or amendment described below is to the work originally or previously specified in the contract documents. This notification is hereby requested, including all changes in costs and time. (Describe work to be added or deleted, including SAP Material number. Attach a revised plan sheet affected or drawings.)

To provide a negotiated settlement of the contractors Claim for costs associated with the Airport's request in the delay of a portion the Base Bid work until January 3, 2017. The negotiated settlement of \$400,000.00 will be paid to the contractor as compensation for the delay of a portion of the Base Bid that is to be constructed during the scheduled closure of Runway 12R-30L from January 3, 2017 for 90 days.

As agreed in this settlement the work shall proceed as described:
Base Bid C : Shall begin on Jan 3, 2017, the date which Runway12R-30L closes for 90 days. Alternate 4 shall be performed concurrently with the Base Bid C work.
Base Bid A : This work is to be begin upon the completion of Base Bid C. This Phase may be moved forward in the schedule should time permit .
Base Bid B : Shall begin on Jan 3, 2017, the date which Runway12R-30L closes for 90 days
Base Bid D : Shall begin on approximately April 12, 2017, to coincide with the completion of Base Bid A.
The Base Bid work shall have the following durations:
Base Bid A = 38 days
Base Bid B = 109 days
Base Bid C and Alt 4 = 62 days
Base Bid D = 47 days

The anticipated completion of the original Contract work is 16 December 2016. The anticipated completion of the Base Bid work is 29 May 2017. This is an increase of 164 calendar days. Compensation shall be at a prorated amount beginning with closure of Runway 12R-30L.

J3 Company LLC (J3), for and on behalf of itself, all related companies, partnerships or joint ventures, with respect to each of them, their predecessors and successors, shall further, and does hereby, RELEASE, ACQUIT and FOREVER DISCHARGE the City of San Antonio, its Council members, officers, directors, assigns, representatives, agents, or employees, of and from any and all claims, damages, demands, liability, lawsuits, actions or causes of action, costs, losses, expenses, compensation and/or obligations, whether known or unknown, at law or in equity, which J3 has or may have against the City arising from or related in any way whatsoever to the Airport's request in the delay of a portion of the Base Bid work until January 3, 2017 (Delay). It is the express intent of J3 that this Agreement operate as a bar to any subsequent proceedings with respect to any claims, causes of action or lawsuits arising from or related to the Delay.

Justification for Proposed Alteration (Describe in detail why this work is to be added or deleted. Use attachments if necessary.):

The Runway 12R-30L closure for the construction of the Base Bid C portion (Within the Runway12R-30L Safety Area) of this project is delayed so as to occur during the same closure of the Package 4 construction. The contractor was notified on November 11, 2015 they must delay the work associated with the Runway 12R-30L closure. In accordance with General Conditions Section 4.3 CLAIMS AND DISPUTES, J3 submitted correspondence dated 5/20/2016 and amended on 5/26/2016 in accordance with General Conditions Section 4.3.5 CLAIMS FOR ADDITIONAL COSTS in the amount of \$987,901.12. In Accordance with General Conditions Section 4.4, the claim was evaluated by the design consultant and negotiated with the contractor resulting in a final recommendation from the Design Consultant on 6/1/2016. The negotiations with the contractor and the San Antonio Airport agreed to an amount of \$400,000.00.

Field Alteration will result in change to Contract Days as:
(To be negotiated by the Contractor and the City.)

<input checked="" type="checkbox"/> Increase	<input type="checkbox"/> Decrease	\$	<u>400,000.00</u>
<input checked="" type="checkbox"/> Increase	<input type="checkbox"/> Decrease		
<input type="checkbox"/> Working Days	<input checked="" type="checkbox"/> Calendar Days	# Days	<u>164</u>

<p>REQUESTED BY: Hugh R. Jones Jr. Date <u>10/13/16</u> J3 Company LLC</p>	<p>RECOMMENDED BY: M. Nofby Project Manager Kimley-Horn and Associates, Inc. Date <u>10/11/2016</u></p>
AVIATION DEPARTMENT APPROVALS	
<p>RECOMMENDED BY: Susan St Cyr, P.E., Special Projects Manager Date <u>13 Oct 16</u></p>	<p>RECOMMENDED BY: Dennis Fiemeyer, Construction & Development Interim Manager Date <u>10/13/2016</u></p>
<p>RECOMMENDED FOR APPROVAL BY: Loyce D. Clark, Chief Asset and Planning Officer Date <u>10/13/16</u></p>	<p>APPROVED BY: Noel T. Jones, Aviation Director Date</p>
<p> Henrietta Brown Date <u>10/13/16</u> Chief Aviation Administration Officer</p>	

This Field Alteration Amount: \$ 400,000.00
Total Original Contract: \$ 15,582,841.00

Approved Contingency	
WBS Element: <u>33-00193-05-02</u>	Summary
BASE BID Approved Contingency Amount: \$ <u>1,081,009.00</u>	\$ <u>1,081,009.00</u>
Previous Field Alterations using CONTINGENCY : \$ <u>-259,004.52</u>	\$ <u>-259,004.52</u>
This Field Alteration: \$ <u>400,000.00</u>	\$ <u>400,000.00</u>
Field Alterations to date using Contingency: \$ <u>140,995.48</u>	\$ <u>140,995.48</u>
Balance: \$ <u>940,013.52</u>	\$ <u>940,013.52</u>

Field Alterations to date using Contingency: \$ 328,713.87
REVISED CONTRACT VALUE: \$ 15,911,554.87
Percent of Original Contract: 2.11%
(Contract Value will only change if "Contingency" is utilized. Revised Contract Value can not exceed 25% of Original Contract.)

Vendor #: 1038714 Original Ordinance #: 2014-2-13-0086 This FA Ordinance #: NA
Purchase Requisition: _____ Contract #: 4600013724 Purchase Order #: 4500387256

NOTE: This form is a local government record and shall be retained in accordance with the provisions of the Local Government Code, Section 201.

CONTRACT SUMMARY

<u>AIP Grant No.</u>	<u>AIP 78-14</u> <u>Base Bid</u>	<u>AIP 77-14</u> <u>Alt 1</u>	<u>AIP 80-14</u>		<u>Local</u> <u>Alt 4</u>	<u>Total</u>
			<u>Alt 2</u>	<u>Alt 3</u>		
Original Contract	\$5,405,041.00	\$3,365,210.00	\$3,032,980.00	\$3,469,590.00	\$310,020.00	\$15,582,841.00
Field Alteration 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 2	\$ (64,343.76)	\$ 5,066.37	\$ 29,241.57	\$ 3,070.00	\$ -	(\$26,965.82)
Field Alteration 3		\$ (8,500.00)	\$ (1,442.50)	\$ (4,468.75)	\$ -	(\$14,411.25)
Field Alteration 4	\$ (25,317.00)	\$ 13,588.00	\$ (36,750.00)	\$ (36,680.00)	\$ (3,820.00)	(\$88,979.00)
Field Alteration 5	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 6	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 7	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 8	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 9	\$ (169,343.76)	\$ (12,188.66)	\$ 66,751.57	\$ 16,862.99	\$ -	(\$97,917.86)
Field Alteration 10	\$ -	\$ 28,201.00	\$ -	\$ -	\$ -	\$28,201.00
Field Alteration 11	\$ -	\$ 7,011.00	\$ -	\$ -	\$ -	\$7,011.00
Field Alteration 12	\$ -	\$ 53,753.63	\$ -	\$ -	\$ -	\$53,753.63
Field Alteration 13	\$ -	\$ 8,120.00	\$ -	\$ -	\$ -	\$8,120.00
Field Alteration 14	\$ -	\$ 92,556.00	\$ -	\$ -	\$ -	\$92,556.00
Field Alteration 15	\$ -	\$ 27,571.49	\$ -	\$ -	\$ -	\$27,571.49
Field Alteration 16	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 17	\$ -	\$ 17,854.72	\$ -	\$ -	\$ -	\$17,854.72
Field Alteration 18	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 19	\$ -	\$ -	\$ 21,845.00	\$ -	\$ -	\$21,845.00
Field Alteration 20	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 21	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 22	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 23	\$ -	\$ -	\$ (99,925.04)	\$ -	\$ -	(\$99,925.04)
Field Alteration 24	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 25	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 26	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 27	\$ -	\$ -	\$ -	\$ -	\$ -	\$0.00
Field Alteration 27	\$ 400,000.00	\$ -	\$ -	\$ -	\$ -	\$400,000.00

Revised Contract Value	\$5,146,036.48	\$3,598,243.55	\$3,012,700.60	\$3,448,374.24	\$306,200.00	\$15,911,554.87
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<u>WBS Element</u>	<u>33-00193-05-02</u>	<u>33-00193-05-02</u>	<u>33-00193-05-02</u>	<u>33-00193-05-02</u>	<u>33-00193-05-0</u>	<u>33-00193-05-02</u>
Approved Contingency Amount:	\$ 1,081,009.00	\$ 504,782.00	\$ 606,596.00	\$ 693,918.00	\$ 46,503.00	\$ 2,932,808.00
Previous Field Alterations using Contingency :	\$ (259,004.52)	\$ 233,033.55	\$ (20,279.40)	\$ (21,215.76)	\$ (3,820.00)	\$ (71,286.13)
This Field Alteration:	\$ 400,000.00	\$ -	\$ -	\$ -	\$ -	\$ 400,000.00
Field Alterations to date using Contingency:	\$ 140,995.48	\$ 233,033.55	\$ (20,279.40)	\$ (21,215.76)	\$ (3,820.00)	\$ 328,713.87
Balance:	\$ 940,013.52	\$ 271,748.45	\$ 626,875.40	\$ 715,133.76	\$ 50,323.00	\$ 3,590,235.74

Kimley»Horn

ELECTRONIC MAIL DELIVERY

June 1, 2016

Mr. Loyce Clark
Assistant Director
San Antonio Airport System
9800 Airport Boulevard
San Antonio, Texas 98216

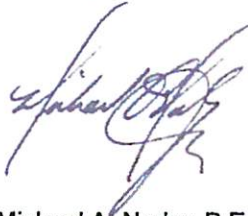
RE: *Package 2 Negotiations with J3 – Terminal Area Taxiways (Package 2) and Runway 12R/30L Closure*

Mr. Clark,

Kimley-Horn and Associates has received a request for additional time and compensation from J3 Company LLC. We have reviewed their documents as submitted, provided our comments, and received the attached updated request letter from J3. The letter outlines that the compensation for the additional delay for the project will be \$400,000 which the team has all agreed to as acceptable for the adjust timeframe. The letter also states that J3 will keep the phase durations for the base bid package as outlined in the initial change order meeting the requirements of the runway closures. Therefore, it is our recommendation that a change order be developed and submitted to the airport for approval for this additional time delay to the project.

If you have any questions, comments, or need additional information on this, please do not hesitate to call me on my cell phone at 602-799-1231.

Sincerely,



Michael A. Norby, P.E.
Senior Vice President / Project Manager
Kimley-Horn and Associates, Inc.

Dennis Fiemeyer
Kao Lin Chen, P.E.
Randy Jenkins
Loy Warren, P.E.



J3 COMPANY, LLC
P.O. BOX 129 - 6600 HWY 27
COMFORT, TX 78013
Ofc: (830) 995-5100 Fax: (830) 995-5199

May 26, 2016

VIA EMAIL: Randy.Jenkins@kimley-horn.com

Mr. Randy Jenkins
KIMLEY-HORN AND ASSOCIATES, INC.
601 NW Loop 410, Suite 350
San Antonio, TX 78216

**RE: Runway Closures in 2016
Terminal Area Taxiway Improvements (Package 2)
Project #33-00178 & 33-00193
San Antonio International Airport**

Dear Mr. Jenkins:

The Package 2 project originally contemplated the construction of the Base Bid portion of the project in early 2015. Portions of the Base Bid construction requires the shutdown of Runway 12R30L, and portions of the Base Bid construction requires shutdown of Runway 4/22. On or about March 6, 2015 SAIA informed J3 that there could be no runway closures in 2015, and that the Base Bid portion of the project must be re-phased to occur in early 2016. On or about November 11, 2015, SAIA informed J3 that there could be no runway closures in 2016, and that the Base Bid portion of the project must be re-phased again to now occur in early 2017.

Accordingly, J3 Company has submitted a claim for delay to the project due to moving the Base Bid portion of the work to 2017 (hereinafter "J3 Runway Claim").

J3 and SAIA met on May 20, 2016 for the purpose of conducting informal negotiations of the J3 Runway Claim. In the interest of the overall project, and without admitting the validity or lack thereof of either parties claims or responses, the Parties acknowledge that resolution is the best path forward and mutually agree upon the following terms:

- The Base Bid work shall proceed as outlined in the attached revised Base Bid schedule (hereinafter "BB Schedule")
- That critical to the BB Schedule and completion of the Base Bid work, and therefore material to this agreement, are the runway closures planned as follows: (1) Runway 12R30L closed for 90-days beginning early January 2017, and (2) Runway 4/22 closed for at least 50 days beginning immediately after the 90-day 12R30L Runway closure.
- That the parties recognize that the BB Schedule actually extends the duration of the J3 Runway Claim from 43 days originally submitted to 77 days due to extending the Runway 12R30L closure to 90-days. At the daily claim amount of \$12,829.88, this would make the revised total of the J3 Runway Claim \$987,901.12.

- That as a result of the extension of the Base Bid as outlined above, the parties agree to the following revised durations for the Base Bid:
 - o BB-A = 38 days
 - o BB-C & Alt 4 = 62 days
 - o BB-B = 109 days
 - o BB-D = 47 days
- That SAIA agrees to pay, and J3 agrees to accept, a total of \$400,000 lump sum payment representing a discounted settlement of the J3 Runway Claim.
- That SAIA and J3 shall continue to work toward shortening the total project duration if possible, and specifically will explore moving the BB-D portion of the work to occur sometime in 2016 if possible.
- That if any shortening of the overall project occurs there shall be no credits given for the settlement reached herein.
- That if any future project delays occur beyond what is contemplated in this settlement, said future delay and any resulting claim is not precluded by this agreement...it being the Parties intention that each future delay and resulting claim be analyzed and negotiated separately from the J3 Runway Claim.
- That nothing herein shall establish any precedence for past or future impacts or claims.
- That any past claims, and specifically the Phase 3B claim previously submitted for 71 delay days, shall stand alone and shall in no way be impacted by the resolution of the J3 Runway Claim. It being the Parties' intention that each prior claim be analyzed and negotiated separately from the J3 Runway Claim.
- That nothing herein shall be construed by either Party as an admission of liability, said liability being expressly denied.

Sincerely,

J3 COMPANY, LLC

By: _____

Hugh Jons

Vice President



601 NW Loop 410, Suite 350
San Antonio, Texas 78216
P: (210) 541-9166

November 11, 2015

Mr. Chris Reyes
J3 Company, LLC
P.O. Box 129
6600 HWY 27
Comfort, Texas 28013

RE: Project Name –Terminal Area Taxiway Improvements (Package 2)

Project Numbers:

SAT Project Number	33-00193
FAA AIP Number(s)	3-48-0192-077-2014
	3-48-0192-078-2014
	3-48-0192-080-2014

RE: Runway 12R-30L Closure Dates

Mr. Reyes,

This project requires the closure of 12R-30L for a period of 60 days to construct a portion of the base bid (Area C) that falls within the Runway Safety Area of Runway 12R-30L. Currently the agreed upon closure dates are between January 1 and March 31, 2016.

San Antonio International Airport has had many external pressures to minimize any future closures of this runway because of the effects on the surrounding community. It is due to this, the airport is requesting J3 Company alter their current schedule as submitted monthly. The available dates for the aforementioned area is now January 2 through March 31, 2017.

Please coordinate your effort to reschedule this work with Kimley-Horn and the Airports Construction and Development Administration Section.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

Randy Jenkins
Resident Project Representative

Copy: Mike Norby P.E., Kao-Lin Chen P.E., Diane Cook, Dennis Fiemeyer (Aviation); Bob Law, Scott Bondy



ELECTRONIC MAIL DELIVERY

April 22, 2016

Mr. Loyce Clark
Assistant Director
San Antonio Airport System
9800 Airport Boulevard
San Antonio, Texas 98216

RE: *Project Issues Summary – Terminal Area Taxiways (Package 2) and Runway 12R/30L Closure*

Mr. Clark,

Package 2 was awarded to J3 Construction in January, 2015. This package included construction of improvements inside the safety area of Runway 12R, requiring a runway closure. Subsequent to this award, the Package 1 closure impacts resulted in a decision to combine all future closures into a single event scheduled for January – March, 2017. J3 was directed to delay any closure of the runway until January, 2017 to meet this schedule. J3 is currently scheduled to complete Package 2 in October, 2016. J3 has advised Kimley-Horn that moving this element of work to 2017 would result in additional costs to the airport of \$1.6 million which they have recently revised to \$579,299.93 on April 20th (change order). This is mostly due to the Substantial Completion date is now December 27th, 2016 due to weather days.

Kimley-Horn has evaluated options to the \$579,299.93 change order that J3 has presented and has developed a detailed analysis to support this effort. While Kimley-Horn does agree that J3 is entitled to some compensation due to the delay, we do not believe that it is near the amount that has been presented. Because of the situation and how critical this is to the military there are only a few options that have been evaluated and are presented here.

1. Kimley-Horn has looked at and evaluated the change order proposal to determine the amount of costs that we feel the change order are justifiable. That amount is \$ 192,168.23.
2. The work within the safety area of both areas could be deleted from the J3 contract and placed in Package 4, which is schedule to advertise for bids in May, 2016. The value of the unit items comprising this work is approximately \$3.176 million based on their bid prices. In the Package 2 bid specifications allowance is made for removing items at their bid cost without additional costs to the City.

With input from your staff, we believe the work elements in Package 2 affecting the R/W 4-22 closure should be kept with the R/W 12R items identified above. Therefore, we are now including both elements of work in our estimate of impacts.

3. Some temporary construction would be required to curtail the J3 contract and remove the subject items from that contract. We estimate the value of these impacts approximately \$350,000 which would remain in J3's contract. We also estimate that bidding in 2016 would result in slightly lower bid costs.

Value of J3 contract change:

\$3,176,882.36 less \$350,000 temporary construction = \$2,786,882.36

(This amount does not take into account any future claims for impacts by J3. It is possible that J3 would make additional claims.)

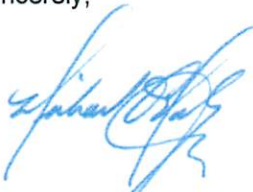
Please note that this option assumes that FAA funding allocated to the items removed from Package 2 could be allocated to construction of these same items by Package 4 in the first quarter of 2017. Your staff has confirmed this assumption, though it is subject to FAA decisions.

Net additional costs related to this decision including redesign - \$200,000

Kimley-Horn would like to proceed with the following course of action;

1. Attempt to negotiate with J3 to complete work as bid, but accommodate the R/W 12R closure beginning in January, 2017. This would require J3 to reduce their change order request from approximately \$579,299 to \$200,000.
2. Failure to negotiate would lead Kimley-Horn to create a bid alternate in Package 4 which incorporates all work currently inside the R/W 12R safety area, and the R/W 4-22 safety area, and be prepared to bid this option in May, 2016.
3. Issue a field work directive removing Base Bid C and D from the Package 2 contract.

Sincerely,



Michael A. Norby, P.E.
Project Manager
Kimley-Horn and Associates, Inc.

Copy:

Dennis Fiemeyer
Kao Lin Chen, P.E.
Susan St Cyr, P.E.
Loy Warren, P.E.
Randy Jenkins



J3 COMPANY, LLC
P.O. BOX 129 - 6600 HWY 27
COMFORT, TX 78013
Ofc: (830) 995-5100 Fax: (830) 995-5199

March 24, 2016

VIA EMAIL: Randy.Jenkins@kimley-horn.com

Mr. Randy Jenkins
KIMLEY-HORN AND ASSOCIATES, INC.
601 NW Loop 410, Suite 350
San Antonio, TX 78216

**RE: Runway Closures in 2016
Terminal Area Taxiway Improvements (Package 2)
Project #33-00178 & 33-00193
San Antonio International Airport**

Dear Mr. Jenkins:

We are proceeding with the proposed work as directed in your letter dated November 11, 2015, wherein notification is given that no runway closures are allowed in 2016. We amended our phasing schedule, and J3 is providing the attached cost and time impact for your consideration.

The modified phasing increases the contract time by 154 days at daily cost of \$10,672. Please contact us immediately if you have questions or require further information.

Sincerely,

J3 COMPANY, LLC

By: _____
Christopher Reyes, EIT
Project Manager

CC: Mario Valdez, Superintendent J3
Hugh Jons, Vice President, J3

Attachments: Kimley Horn Letter Date 11/15/2015
J3 Letter Dated 11/15/2015
Cost Summary and Detailed Breakdown
Time Impact Schedules



J3 COMPANY, LLC
P.O. BOX 129 - 6600 HWY 27
COMFORT, TX 78013
Ofc: (830) 995-5100 Fax: (830) 995-5199

November 11, 2015

VIA EMAIL: Randy.Jenkins@kimley-horn.com

Mr. Randy Jenkins
KIMLEY-HORN AND ASSOCIATES, INC.
601 NW Loop 410, Suite 350
San Antonio, TX 78216

RE: **Runway Closures in 2016**
Terminal Area Taxiway Improvements (Package 2)
Project #33-00178 & 33-00193
San Antonio International Airport

Dear Mr. Jenkins:

J3 Company, LLC has received unofficial notification that the subject project will be restricted from runway closures in the year 2016, as previously confirmed for the year 2015. If indeed this information is correct, this unforeseen event is considered substantial to the project's current phasing schedule and will indeed impact the project completion date. Therefore, J3 Company respectfully proposes to modify the current phasing schedule in resolve with the various options attached for your review. The proposed schedules will allow the Base Bid and each of its phases to begin at end of the year 2016 and allow the necessary closures to proceed in the year 2017. J3 Company is not limited to these options as further reviews will be conducted before time begins under Base Bid A or any other related milestones. As a result, J3 Company will herein be entitled to a time extension and the prolongation costs associated to the subject delay.

Please see this as critical notification that Base Bid A will not begin on December 1st, 2015 as noted in the current Phase and Liquidated Damage Schedule. If for any reason the subject event is incorrect, J3 Company would like to receive clarification as soon as possible.

If you have any questions, please do not hesitate to call me at (210) 421-7521.

Sincerely,

J3 COMPANY, LLC

By: 
Christopher Reyes, EIT
Project Manager

CC: Mario Valdez, J3 Company



PROJECT NAME: 33-00193
PROJECT OWNER: San Antonio International Airport
DATE: March 24, 2016
CHANGE ORDER REQ.: RUNWAY CLOSURE DELAY
BASE BID & ALTERNATE 4

Change Order Request Form - Summary

Item	Description	Quantity	UM	Bid Price	Amount
	Runway Closure Delay	1.00	LS	\$ 1,421,076.35	\$ 1,421,076.35
	Airside Safety and Security / Traffic C	154.00	DAYS	\$ 1,111.11	\$ 171,110.94
	Contractor Quality Control	77.00	DAYS	\$ 666.67	\$ 51,333.59
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
					\$ -
TOTAL COST					\$ 1,643,520.88

RUNWAY CLOSURE DELAY 154 DAYS

Terminal Area Taxiway Improvements
(Package 2)

March 24, 2016

Bid Item Qty =

1.00

LS

RUNWAY CLOSURE DELAY - BASE BID C, D & ALTERNATE 4

Cost Type & Markup Summary

Cost Type	Direct Subtotal	Markup %	Markup \$	Subtotal Cost Type	\$ / UOM
Labor (80% = 55% Burden + 25% Markup)	137,763.78	80%	110,211.02 \$	247,974.80 \$	247,974.80
Equipment	967,557.36	15%	145,133.60 \$	1,112,690.96 \$	1,112,690.96
Material Escalation	18,594.00	25%	4,648.50 \$	23,242.50 \$	23,242.50
Subcontracts	800.00	5%	40.00 \$	840.00 \$	840.00
Facilities / Office	8,463.84	0%	- \$	8,463.84 \$	8,463.84
Bond		2%	27,864.24 \$	27,864.24 \$	27,864.24
RUNWAY CLOSURE DELAY - BASE BID C, D & ALTERNATE 4	1,133,178.98		287,897.37 \$	1,421,076.35 \$	1,421,076.35

Description	Crew Qty	UOM	Task Qty	UOM	\$ / UOM	Extended \$
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Supervisors & Facilities

Labor					Subtotal = \$	137,763.78
Christopher Reyes	1.00	ea	154.00	day	315.09	48,523.86
Mario Valdez	1.00	ea	154.00	day	475.48	73,223.92
Melissa Rodriguez	1.00	ea	154.00	day	104.00	16,016.00
Equipment					Subtotal = \$	28,779.52
Reyes Truck	0.50	ea	154.00	day	186.88	14,389.76
Valdez Truck	0.50	ea	154.00	day	186.88	14,389.76
Materials					Subtotal = \$	-
Subcontract					Subtotal = \$	800.00
Arias						-
Double S						-
Texas Cutting & Coring						-
Lindamood Demolition						-
SAECO						-
Flasher						-
Southeast Grinding			80.00	hr	10.00	800.00
Facilities / Office					Subtotal = \$	8,463.84
Mobile Offices			154.00	day	37.24	5,734.96
Utilities			154.00	day	17.72	2,728.88

Material Escalation

Labor				Subtotal = \$	-
					-
Equipment				Subtotal = \$	-
					-
Materials				Subtotal = \$	18,594.00
Concrete (Beck)	3,099.00	cy	3.00		9,297.00
Steel (Ben Reyna)	46.00	ton			-
Cement-Treated Base (Beck)	3,099.00	cy	3.00		9,297.00
Flowable Fill (Beck)		cy			-
Asphalt (DoubleS)		ton			-
					-
Subcontract				Subtotal = \$	-
					-
Supplies				Subtotal = \$	-
					-

Equipment

Labor				Subtotal = \$	-
Equipment				Subtotal = \$	938,777.84
Air Compressor	1.00	ea	154.00	129.60	19,958.40
Backhoe	0.50	ea	154.00	320.80	24,701.60
Telehandler	0.50	ea	154.00	403.68	31,083.36
Concrete Breaker	0.50	ea	154.00	464.72	35,783.44
Triple Roller Tube Paver	0.50	ea	154.00	210.48	16,206.96
Hydraulic Form Paver	0.50	ea	154.00	1,503.52	115,771.04
Concrete Saw	1.50	ea	154.00	86.96	20,087.76
Wheel Excavator	0.50	ea	154.00	669.84	51,577.68
Backhoe Hammer	0.50	ea	154.00	435.20	33,510.40
Wheel Loader 2006	0.50	ea	154.00	378.24	29,124.48
Wheel Loader 1998	0.50	ea	154.00	393.12	30,270.24
Wheel Loader 966K	0.50	ea	154.00	834.08	64,224.16
Motorgrader 140M	0.50	ea	154.00	720.64	55,489.28
Concrete Placer MP 2500	0.50	ea	154.00	1,419.44	109,296.88
Pickup Trucks	2.50	ea	154.00	157.28	60,552.80
Super Duty Trucks	1.00	ea	154.00	217.04	33,424.16
Pneumatic Roller PS360C	0.50	ea	154.00	604.56	46,551.12
Roller BW211D	0.50	ea	154.00	463.28	35,672.56
Roller CB64	0.50	ea	154.00	781.44	60,170.88
Skid Steer	0.50	ea	154.00	276.08	21,258.16
30' Powered Workbridge	0.50	ea	154.00	71.92	5,537.84
Bridge Finisher	0.50	ea	154.00	166.64	12,831.28
4000 Gal Water Truck	0.50	ea	154.00	333.68	25,693.36
		ea	154.00	day	