6-4-98 John Hopkins, Millionaire 248-1600 Called Motice (on vacation next week) re: Curt/Notice Closure Times & Airport 9-7:30 Bad Jeth part fuel Sales will Suffere Work Planes may relocate & Most come back to Dosnit affect AATI'S business — Would Hoose fuel Salse Flowage Fees go. 10 Pm to 6 AM = Fees godn.

Hurts - Single runway bad, Last Business

Feogle will ost Haw often does this happen.

Trying to Sell this as a GA Aurgort - This Hurts

Robert Hellman Line Manager MAJOR CONCERN geledows Doesnty Want & Post, Notice our Operations are the most important one Webtside Taxing Welkend Cloures would have been Others will be very upset 6-5-98- Robert Hillier Called - Semilar conversation

Activity	Activity		_	urly Early	Total	F MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
ID .	Description			art Finish	Float	5 23 2 9 16 23 30 6 13 20 27 4 11 18 25 1 8 15 22 29 6 13 20 27 3 10 17 24 21 7 14 21 28 5 12 19 26 2 9 16 23 30 7 14
DZ1 DZ2	Project Preplanning	100	39 02MAR			Project Preplaining
DDA3	Contractor Mobilization	100	11 01MAY			Contractor Mobilization
	42" RCP Excavate, Bed, Lay, & Backfill	100	17 07MAY		42	42" RCP Excavate, Bed, Lay, & Backfill
AILE1	Start Construction	100	0 07MAY			Start Construction
DDA1	30" RCP Excavate, Bed, Lay, & Backfill	77	4 11MAY		42	/30" RCP Excavate, Bed, Lay, & Backfill
DDA2 DDA4	36" RCP Excavate, Bed, Lay, & Backfill 30" RCP Under Driveway 9	33	7 13MAY		42	36" RCP Excavate, Bed, Lay, & Backfill
DDG1	J	100	3 13MAY		4	30' RCP Under Driveway 9
DDX3	Milling Phase I FAA Encasements for Haul Road	100	2 13MAY			Milling Phase I
DDX3	Erosion Control / Barricades	100 70	1 13MAY		40	FAA Bricasements for Haul Road
DDB1					40	Erosion Control / Barricades
DDB3	Detour Between Driveways 9-10	70	2 19MAY		- 0	Detour Between Driveways 9-10
DDX4	Cut & Resore @ Driveway 9 Phase 1 PVC Encasement for FAA Cable	100	5 26MAY	<u> </u>		Cut & Resore @ Driveway 9 Phase 1
DDX4	Force Main Encasement Under 42" RCP	100	1 26MAY			PVC Encasement for FAA Cable
DDA3	Excavate & Haul Phase I	100	1 27MAY			Force Main Encasement Under 42" RCP
DDA5	36" RCP Under Driveway 10 / Phase 1	n	8 29MAY			Excavate & Haul Phase I
DDD5	Prep. Subgrade Phase I	0	3 29MAY		3	So RCP Under Driveway 10 / Phase 1
DDF1	Lime Phase I	0	3 08JUN		0	Prep. Subgrade Phase I
DDK1	Electrical Conduits Phase i	0	6 11JUN		25	/ Electrical Conduits Phase I
DDG1	Crushed Aggr, Base Course Phase I	0	7 22JUN		25	
DDX6	Night Work @ TW E & F	0	10 22JUN		15	Crushed Aggr. Base Course Phase I
DDH1	Concrete Paving Phase I	0	17 02JULS		15	Night Work @ TW E & F Concrete Paving Phase I
DDK4	Electrical Lighting Signage Phase I	0	6 07JUL9		0	Concrete Paying Phase I
MILE2	End of Phase 1	0	0 070000	27JUL98	1	End of Phase 1
DDB2	Detour Between Driveways 1-2	0	1 28JULS		- '	Detour Between Driveways 1-2
MILE3	Begin Phase 2	o	0 29JUL9		- 0	Begin Phase 2
DDC2	Milling Phase II	0	2 30JUL9		- 7	Milling Phase II
DDD2	Excavate & Haul Phase II	0	13 30JULS		- 0	Excavate & Haul Phase II
DDD6	Prep. Subgrado Phase II	n	3 18AUG		0	Prep. Subgrade Phase II
DDF2	Lime Phase II	0	4 24AUG		0	Lime Phase II
DDK2	Electrical Conduits Phase II	0	8 24AUG		14	/ Electrical Conduits Phase II
DDG2	Crushed Aggr. Base Course Phase II	0	5 28AUG		0	Crushed Aggr. Base Course Phase II
DDH2	Concrete Paving Phase II	0	13 03SEP		0	Concrete Paving Phase II
DDX2	Barricades, Detours	0	2 03SEP		11	A Barricades, Detours
DDK5	Electrical Lighting Signals Phase il	0	5 08SEP		5	Electrical Lighting Signals Phase II
MILE4	End of Phase 2	0	0	22SEP98	0	♦End of Phase 2
MILE5	Begin Phase 3	0	0 24SEP		0	◆Begin Phase 3
DDC3	Milling Phase III	0	2 25SEP		O	Milling Phase III
DDD3		0			D	······································
DDD7	Prep. Subgrade Phase III	o			0	
		<u> </u>				
Project Start	BBYAM50	Earl	y Bar TXWY			Sheet 1 of 2
Project Finish	II5NOV98	W0.000	ress Bar			
Run Date	28MAY95 8 PANACE	Cnt	cal Activity			Addison Airport Taxiway
						Three Phases/ Target Schedule
Project Start Project Finish Date Date Rum Date	D8MAY88 D5NOV98 28MAY98	Earl	y Dai		0	Addison Airport Taxiway

	<i>'</i> 1						
Activity	Activity	%	Orig	Early	Early	Total	1998
ID	Description	Comp	Dur	Start	Finish	Float	F MAR APR MAY JUN JUL AUG SEP OCT NOV DEC 3 23 2 9 16 23 30 6 13 20 27 4 11 18 25 1 8 16 22 29 5 13 20 27 3 10 17 24 31 7 14 21 28 5 12 19 26 2 9 18 23 30 7 14
DDF3	Lime Phase III	C) 4	07OCT98	140CT98	0	Lime Phase III
DDK3	Electrical Conduits Phase III	c	6	07OCT98	170CT98	13	/ Electrical Conduits Phase III
DDG3	Crushed Aggr. Base Course Phase III	C	6	16OCT98	23OCT98	0	Crushed Aggr. Base Course Phase III
DDH3	Concrete Paving Phase III	C	6	26OCT98	02NOV98	0	Concrete Paving Phase III
DDJ4	Backfill for Slopes by Taxiways	C) 2	26OCT98	27OCT98	5	Backfill for Slopes by Taxiways 🔨
DDJ5	Seeding/Grass Entire Job	C) 4	26OCT98	29OCT98	5	Seeding/Grass Entire Job
DDK6	Electrical Light, Signage, Phase III	C	3	29OCT98	02NOV98	3	Electrical Light, Signage, Phase III
	Markings Entire Job		5	31OCT98	05NOV98	0	Markings Entire Job
MILE6	End of Phase 3		0		05NOV98	0	♦End of Phase 3
	[<u></u>	L		

Westsite August Clour Leslie e Probably get a better quality floduct writing during daylight hours concerned with Too expensive of dr @ night? 3 yrs ago it was not a problem 2 likekends closure would not put a Significant impact on the airport Want to limit impact on comparting users Limited Federal Funds and have made a difference since night with is expensive. We wanted to get that in to the limited stunding rather than do night work. AATI



May 22, 1998

Mr. John Baumgartner City Engineer Town of Addison P.O. Box 144 Addison, Texas 75001

RE: The Westside Taxiway - Night Closings

Dear John:

This letter is to confirm our request to alter the bid specifications for the construction of the westside taxiway. The bid was let stating the Airport would be available for closure two weekends. This type of a closure would significantly impact the FBO's as well as a huge number of aircraft operators.

We believe that the weeknight, Monday night through Saturday morning, closures will affect the fewest number of aircraft operators and allow the construction personnel to do their work while minimizing the impact to the Airport. Our understanding is they will be able to complete their work in ten nights. We are allotting a fifteen-night window, commencing around June 22nd.

If you have any questions please contact me at 248-7733, extension 104.

Sincerely,

Kurt Horn

Assistant Airport Manger Addison Airport of Texas, Inc.



May 22, 1998

Mr. John Baumgartner City Engineer Town of Addison P.O. Box 144 Addison, Texas 75001

RE: The Westside Taxiway - Night Closings

Dear John:

This letter is to confirm our request to alter the bid specifications for the construction of the westside taxiway. The bid was let stating the Airport would be available for closure two weekends. This type of a closure would significantly impact the FBO's as well as a huge number of aircraft operators.

We believe that the weeknight, Monday night through Saturday morning, closures will affect the fewest number of aircraft operators and allow the construction personnel to do their work while minimizing the impact to the Airport. Our understanding is they will be able to complete their work in ten nights. We are allotting a fifteen-night window, commencing around June 22nd.

If you have any questions please contact me at 248-7733, extension 104.

Sincerely,

Kurt Horn

Assistant Airport Manger Addison Airport of Texas, Inc.



PUBLIC WORKS DEPARTMENT

(972) 450-2871

Post Office Box 144 Addison, Texas 75001

16801 Westgrove

MEMORANDUM

To:

Ron Whitehead, City Manager

From:

John Baumgartner, P.E., Director of Public Works

Subject:

Addison Airport Westside Taxiway/Airport Closure

Bids that were received for the construction of the Westside Taxiway were based upon two weekend airport closures that were needed to construct Taxiways E and F and their connections to the main runway. The airport closures are needed because the construction activities take place within the runway safety area and men and equipment will be working up against the main runway.

The Town has requested the contractor, H.B. Zachry, to furnish a price to perform the Taxiway E and F construction work within the runway safety area, with no weekend closures, but closures only during the nighttime hours.

The contractor has furnished the following price:

All nighttime closure work, additional cost \$37,423

The all nighttime cost is more because of the inefficiencies of working at night, the premium cost of labor and paving materials, and the need for construction work lighting.

The all-nighttime work scenario is the least disruptive to airport operations and most palatable for AATI, our airport operator.

Staff recommends Council authorize the City Manager to execute a change order to H.B. Zachry's contract for all nighttime Taxiway E and F work in the safety zone, for an amount not to exceed \$37,423.



PUBLIC WORKS DEPARTMENT

Post Office Box 144 Addison, Texas 75001

(972) 450-2871

16801 Westgrove

MEMORANDUM

To:

Ron Whitehead, City Manager

From:

John Baumgartner, P.E., Director of Public Works

Subject:

Addison Airport Westside Taxiway/Airport Closure

Bids that were received for the construction of the Westside Taxiway were based upon two weekend airport closures that were needed to construct Taxiways E and F and their connections to the main runway. The airport closures are needed because the construction activities take place within the runway safety area and men and equipment will be working up against the main runway.

The Town has requested the contractor, H.B. Zachry, to furnish a price to perform the Taxiway E and F construction work within the runway safety area, with no weekend closures, but closures only during the nighttime hours.

The contractor has furnished the following price:

The all nighttime cost is more because of the inefficiencies of working at night, the premium cost of labor and paving materials, and the need for construction work lighting.

The all-nighttime work scenario is the least disruptive to airport operations and most palatable for AATI, our airport operator.

Staff recommends Council authorize the City Manager to execute a change order to H.B. Zachry's contract for all nighttime Taxiway E and F work in the safety zone, for an amount not to exceed \$37,423.

One Weekend

Electrical Work

42 continuous hours of work (double crew shifts @ 12 hours on/12 hours off) 84 crew at 1-1/2 and double pay

Crews must take off Friday—lost production

Premium concrete costs

Backup equipment

Safety factor

Extra Supervision

Extra supervision overtime

Extra Coordination effort prior

Supply backup

Extra lights and extra light backups

Higher markup

Dirt work

Pre-apply Lime, mix, re-mix, process, store and maintain Lime subgrade Load, haul, dump, spread, re-process Lime Backup equipment Safety factors
12 hour shift Friday/Sat morning
8 hour shift Sunday

Asphalt

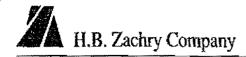
Asphalt crew low production 6-hour shift

Concrete Pavement

2 crew @ 10 hour shifts each Saturday night until Sunday evening Premium price for concrete Backup for all critical concrete equipment

Weeknight Work

Penalty Situation every night
Lost motion and production
Four nights to lay asphalt
Four nights to place concrete
Backup equipment
Light rentals for entire period
Premium cost of concrete, asphalt



May 8, 1998

FIELD OFFICE ADDRESS:

Ms. Leslie V. Sagar, P.E. URS Greiner, Inc. 4100 Amon Carter Blvd., Ste. 108 Fort Worth, Texas 76155 RE: Addison West Taxiway

HBZ Letter ATX 103A

Dear Ms. Sagar,

In regard to our previous letter (HBZ Letter ATX 103) concerning the proposals for alternative weekend work, we have since received a corrected price for paving concrete from our concrete supplier. Please refer to the attached revised summary cost sheets, which reflect a reduction in material price for Alternatives 1 and 2.

With respect to Alternative 2, this reduction in price is subject to paving-concrete deliveries beginning at 2:30 AM which, when considering time needed for pouring, finishing and cleanup work, would shift the runway re-opening times to 7:30 AM. This scenario would apply to those mornings that concrete pavement sections are being poured. We would offer to begin operations @ 10:30 on the evenings preceding a concrete paving pour in an effort to maintain the nine-hour duration of the runway closures.

If you have any questions, please contact me.

HRX COMPANY

Sincerely 6

James Gardner Project Manager

Alternative 1 (revised)

One weekend runway closure using 9" Lime Treated Subgrade, 4" Asphalt Base and 10" Concrete Pavement

Differentials

Total	\$	15,894.00
Supplies	\$	-
Subcontractor	\$	(10,871.00)
Material	\$	14,600.00
Equipment	\$	3,153.00
Labor	. \$	9,012.00

Alternative 2 (revised)

Multiple Weeknight Closures using 3 Courses Asphalt Subbase and Base and 10" Concrete Pavement

Differentials

Total	\$ 37,423.00
Supplies	\$ 1,650.00
Subcontractor	\$ 4,323.00
Material	\$ 15,575.00
Equipment	\$ 6,788.00
Labor	\$ 9,087.00

113

To:	Jim	Pierca

Firm: Town of Addison

Fax #:

From: Leslie Sagar

Subject: Addison West Taxiway

URS Greiner

4100 Amon Carter Boulevard Suite 108

Fort Worth, TX 76155-2602 Telephone: (817) 545-0891 Fex: (817) 546-0534

Date: 5/13/98

Page 1 of: 5

Attached is a letter from HBZ regarding price reductions to their previously submitted cost proposals.

We've aked HBZ to provide additional information and have been told they will bring it to the meeting tomorrow.

Leshi

cc:



M.B. SACHRY COMPANY FACSIMILE COVER SHEET JOB 4860: ADDISON TOLL TURNEL

Physical Address: 16101 Dooley Rd Dallas, TX 75244 Mailing Address: P.O. Box 1004 Addison, TX 75001-1004

Fax: (972) 267-0435 Phone: (972) 267-0430

To: LESlie Sagae
company: URS GREINER
Fax Number: 817-545-0534
Phone Number:
From: E JIM BARDHER
Pages Sent: (Including cover sheet)
Comments:
:
If you do not receive all of the pages, please call (972) 287-043



H.B. Zachry Company

May 8, 1998

FIELD OFFICE ADDRESS:

Ms. Leslie V. Sagar, P.E. URS Greiner, Inc. 4100 Amon Carter Blvd., Ste. 108 Fort Worth, Texas 76155 RE: Addison West Taxiway

HBZ Letter ATX 103A

kut gem to 7:00 AM OK & august Preference

Dear Ms. Sagar,

In regard to our previous letter (HBZ Letter ATX 103) concerning the proposals for alternative weekend work, we have since received a corrected price for paving congrete from our concrete supplier. Please refer to the attached revised summary cost specis. which reflect a reduction in material price for Alternatives 1 and 2.

With respect to Alternative 2, this reduction in price is subject to paving-concrete deliveries beginning at 2:30 AM which, when considering time needed for pouring, finishing and cleanup work, would shift the runway re-opening times to 7:30 AM. This scenario would apply to those mornings that concrete pavement sections are being poured. We would offer to begin operations @ 10:30 on the evenings preceding a concrete paving pour in an effort to maintain the nine-hour duration of the runway closures.

If you have any questions, please contact me.

Sincerely?

H.B. ZACHRY COMPANY

James Gardner Project Manager

P.O. Box 21130 * San Antonio, Texas 78721-0130 * (210) 922-1213

Alternative 2 (revised)

Multiple Weeknight Closures using 3 Courses Asphalt Subbase and Base and 10" Concrete Pavement

Differ	eni	isis
Dest. 9: 4 3 200. A	A	THE REAL PROPERTY.

THE PROPERTY OF THE PROPERTY O

Total	\$	37,423.00
Supplies	\$	1,650.00
Subcontractor	\$	4,323.00
Material	\$	15,575.00
Equipment	\$	6,788.00
Labor	\$	9,087.00

4 rights & layasphatt

facsimile TRANSMITTAL

to:

Jim Pierce / Town of Addison

fax #:

(972) 450-2879

re:

Addison West Taxiway - Contractor's Cost Proposals for One Weekend Closure

and Multiple Night Time Closures

date:

May 7, 1998

pages:

13, including this cover sheet.

Attached for your review and information is a copy of the letter submitted today by H. B. Zachry regarding their pricing proposals for accomplishing the work in the Runway Safety Areas for Taxiway E and Taxiway F during one weekend closure (alternative 1), or during multiple night time closures. We will provide you with our recommendations regarding these pricing proposal as soon as we complete our review.

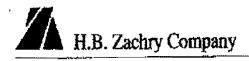
Uglis Sagar

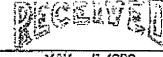
cc: Karen Criffin

From the desk of...

Lestie V. Sagar, P.E. Project Manager URS GREINER, INC. 4100 Amon Carlor Bivd., Suite 108 Fust Worth, Texas 76155

> (817) 545-0891 Ferr (817) 545-0534





FIELD OFFICE ADDRESS:

May 5, 1998

Ms. Leslie V. Sagar, P.E. URS Greiner, Inc. 4100 Amon Carter Bivd., Ste. 108 Fert Worth, Texas 76155

GREINER, INC. FORT WORTH, TEXAS

RE: Addison West Taxiway

HBZ Letter ATX 103

Dear Ms. Sagar,

Please find the attached information concerning the proposed taxiway work adjacent to Addison Airport Runway 15-33. As requested, we have investigated alternatives to the originally specified work plan and, based upon the information provided us in your fax of April 22, 1998, we propose the following two scenarios:

Alternative1 - One (1) weekend period, using 9" Lime: Treated Subgrade and 4" Bituminous Base.

Alternative 2 - Multiple night-time closures using the originally planned pavement section (Asphalt Subbase and Asphalt Base) as shown on the plans.

In view of the current Portland Cement shortage, we concentrated on the pavement options that utilize Bituminous Base (TxDOT Item 340).

Please note that in addition to estimating costs for each of these scenarios, we have included a proposed schedule for each option, too. The criminal bid, using two weekend periods, was used as the 'baseline' for cost comparison.

In addition, it is our understanding that, in regard to the proposed 'one-weekend' plan, we would, at a later date, be able to close the runway during a weeknight(s) to finish any uncompleted work.

Please notify us if any of the information above is incorrect or if you need any further information.

Sincerely

James Gartner

Project Manager

B. ZACHRY COMPANY

Alternative 1

One weekend runway closure using 9" Lime Treated Subgrade, 4" Asphalt Base and 10" Concrete Pavement

Differentials

Labor	\$ 9,012.00
Equipment	\$ 3,153.00
Material	\$ 22,100.00
Subcontractor	\$. (10,871.00)
Supplies	\$ e,

Total

23,394.00

Based on firm concrete prices not previously available

Weekend Schedule Summary

Work must actually begin a week prior to the actual closure with lime subgrade being mixed and stored and ready for transportation onto the work site once the closure actual begins. The closure begins at 9:00 PM Friday. Excavation, embanking, grading and subgrade must be completed Saturday morning with asphalt base course being constructed that day. As soon as asphalt has adequately cooled, the paving forms must be erected with concrete paving performed Sunday. Runway to be re-opened Monday morning @ 6:00 AM.

This scenario is predicated upon the ability of our concrete ready mix supplier to provide paving concrete on a Sunday.

There is also the possibility of the electrical-related work having to be completed at a later date during approved night closures.

ctivit		ctivity	أ سير ع أ		Sarly
(E)		cuvily cription	Ong Dur	Early Start	Finish
F500	Strip Topsoil	i Stockplie @		01MAY98 21:00	01MAY98 21:59
	Close Airpor	t Runway	o.	01MAY98 21:00	01MAY98 20:59
F\$10	Ехсачаін @	Taxiway F	. 3	01MAY98 22:00	02MAY98 00:59
F125	Excavale Lic Foundation	jhl/Sign Txwy F	- 3	01MAY98 22:00	C2MAY98 C0:59
E120	Trench for E	fectric Cable	3	01MAY98 22:00	02MAY98 00:59
E110	RotoMill Tax	riway E		01MAY98 22:00	01MAY98 23:59
F520	Embank @	Taxiway F	3	01MAY98 23:00	02MAY98 01:59
E125	Excavate Lig Foundation	ht/6ign Txwy E		02MAY98 01:00	02MAY98 03:59
F140	Form Guida	nce Signs -Txwy F		02MAY98 01:00	02MAY98 03:59
F530	FineGrade S F	utsgrade @ Txwy		02:MAY98 02:00	02MAY98 04:59
F535	Ld.Ataul/Pla F.G. Premix	ce/Compact & ed Lime Mati		02MAY98 04:00	02MAY96 08:59
E140	Form Guidar E	nce Signs -Txwy		02MAY98 04-00	02MAY98 06:59
	install Base Txwy F	Cans & Set Jigs -	÷ 4	02MAY98 04:00	02MAY98 07:59
£150	Install Duct	Type A - Txwy €		02MAY98 07:00	02MAY98 07:59
	Trench for E	lectric Cable -		02MAY98 08:00	02MAY98 10:59
E220	Install 5 KV	Wire -Txwy E		02MAY98 06:00	02MAY98 09:59
F550	Asphall Rass	n-@Txwy F	. 5	02MAY98 09:00	02MAY98 13:59
F170	Pour Guidan	ce Sign Bases 🕸		02MAY98 10:00	02MAY98 12:59
F130	Install Duct	Type A - Txwy F		02MAY98 11:00	02MAY98 13:59
E195	Sand Bed	Arr, Mar - Came E 1 17 MM, No. 2 4 M		02MAY98 11:00	02MAY98 11:60
	install Base Txwy E	Cans & Set Jigs -		02MAY98 13:00	02MAY98 16:59
F190	Pour Light 8 Ductbank-To	ases and cy F	. 4	OZMAY98 14:00	02MAY99 17:59
E500	Clean, Prime	Frack Txwy E		02MAY98 14:00	02MAY98 15:59
ESOS	Asphalt @ T	xwy E	4	02MAY98 18:00	02MAY98 19:59
Ē170	Pour Guidan Txey E	ое берп Возов @	; 3	02MAY98 17:00	02MAY98 19:59
F220		Wite -Txwy F		02MAY98 18:00	02MAY98 19:59
F580	Set Paving S	Toms @ Txwy F	້. s ົ	02MÅY98 20:00	03MAY98 00:59
F180	Pour Light 6 Ductbank-Ta	eses and cy E	3	02MAY98 20:00	02MAY98 22:59
F250	Install Fixtur	es - Txwy F	8-	02MAY98 21:00	03MAY98 04:59
Programmed From		Alto			
(Time Serie	GRAVANIE TO DO				H.B. ZACHR
					Classic Sch
1,500					

ELÍVÍL ID	, Activity Descripțion	Orig Dur	Early Start	Early Finish
E250 Insta	II Fixtures - Txwy E		03MAY98 00:00	03MAY98 07;59
E550 Strip	e Taxiway E		03MAY98 00:00	03MAY98 03.59
-230 İnsta F	II Guldance Signs—Txwy	; 6	03MAY98 05:00	03MAY98 10.59
F585 . Pour	10" Class ? Fwint	-6	03MAY98 06:00*	.03MAY98 10:59
E230 Insta	Il Guidance Signa-Txwy	6	osmay98 or:00	03MAY88 13:59
200 Insta	II CO/CP Wite-Txwy F		03MAY98 11:00	03MAY98 12:59
F59D , Whe	ok Pave Forms @ Txy F	. 4	03MAY98 12:00	03MAY98 15:59
≓Zio Baci	fill Electrical-Taxiway F		UJMAY98 13:00	03MAY98 14:59
E200 Insta	II CO/CP Wire—Txwy E	2	03MAY98 14:00	03MAY98 15-59
750 Insta	Il Handholes -Txwy F		03MAY98 15:00	03MAY98 16:59
210 Baci	dill Electrical-Terrivoy E	2	03MAY98 16:00	03MAY98 17:59
150 Rmv	/Reinstall Hancholes - / E	2	03MAY98 18:00	03MAY98 19:59
800 Bac	fill Edge Payement F		03MAY98 18:00	03MAY98 20:59
820 Plac	Topsoil & Dress Up		03MAY98 22:00	04MAY98 00:59
1800 Strip	e Taxiway F		04MAY98 01:00	0414AY98 03:59
V100 Ope	n Runway		04MAY98 05:00	04MAY98 05:59

Alternative 2

Multiple Weeknight Closures using 3 Courses Asphalt Subbase and Base and 10" Concrete Pavement

_			
T.33	CC	enti	- I
1 2 2 1	ren		\neg

Labor	\$	9,087.00
Equipment	\$	6,788.00
Material	\$	23,075.00
Subcontractor	\$	4,323.00
Supplies	\$ -	1,650.00
Total .	\$	44,923.00
	*	_ 75%
,	\$	37,423

Weeknight Schedule Summary

Day i-Strip Topsoil and stockpile Excavate and embank half of Taxiway F Area Trench half of Taxiway F area Duct below Taxiway F & E Fine Grade @ Txwy F Lay Asphalt Sub-base 1/2 area @ Txwy F Cool down and cover asphalt Regrade area—cover any open trench areas Rotomili Taxiway E -- leave transition

Trench Taxiway E & backfill

Day 2 - Excavate and embank other half of Taxiway F Area Trench other half of Taxiway F area Duct below Taxiway F Fine Grade Lay Asphalt Sub-base @ 1/2 area @ Txwy F Cool down and cover asphalt Regrade area—cover any open trench areas Taxiway E overlay

Day 3- Uncover entire Taxiway F asphalt subbase Clean and Tack Lay first course of asphalt base @ Txwy F Light and sign foundation excavation @ Txy E Cool down and cover Asphalt Base Continue duct and backfill work

Day 4- Uncover entire Taxiway F area Clean and Tack Lay top course of asphalt base Excavate for light and sign foundations @ Txy F. & F Cool down and cover Asphalt Base Continue duct and backfill

Day 5- Uncover Taxiway F Handpour 1 area Clean Asphalt] Set forms for Handpour 1 Set dowels/steel Pour Concrete @ Handpour 1 Wreck forms Pour light foundations Set forms for lights and signs Backfill around Handpour 1 pavement

Activity		10-2-	East.	l eur
ACTIVITY IO		Orig	Start.	Early
1 /41	of James Airman Physics		BEYAMAD!	\$6AMW\$0\$
	iClose Airport Runway	•	21,00*	20:59
F500	Strip Topsoil/ Stockpile @	:	04MAY98 21:00	04MAY98 21:59
F153	Excavate @ Taxiway F -Day 2	2	04MAY98 21:00	04MAY98 22.59
F510	Excavate @ Taxiway F -Day 1	3	04MAY98 22:00	05MAY98 00:69
F520	Embank @ Taxiway F - Day 1		04MAY98 22:00	05MAY98 00:59
E110	RotoMill Taxiway E	1	04MAY98 22:00	04MAY98 23:59
F530	FineGrade Subgrade @ Txwy F-Day 1	2	0414AY98 23:00	86.79WED
F531	FineGrade Subgrade @ Txwy F-Day 2		D4MAY98 23:00	05MAY98 00:59
		t		<u> </u>
£120	Trench for Electric Cable - Txoy E -Day 1	3	05MAY98 00:00	05MAY96 02:59
F541	Aphan Sub-Base-6" - Day 1	• 3	05MAY29 01:00	05MAY98 03:59
F542	Aphalt Sub-Base-6" -2nd Day	3	05MAY98 01:00	05MAY96 03:59
E121	Trench for Electric Cable - Txwy F -Day 2		05MAY98 01:00	05MAY98 03:59
£130	Install Duct Type A - Txwy E- Day 1	7	05MAY98 03:00	05MAY98 05:59
F777	Cover Asphalt -Day 1	1	05MAY98 04:00	05MAY98 04:59
E200	Install CO/CP Wire—Txwy E		05MAY98 04:00	05MAY98 -05:59
P101	Re-open Runway —End of Day 1	. 0	05MAY98 05:00	05MAY98 104:59
M2	Close Airport Runway-Day 2	Ç.	05MAY98 21:00	05MAY98 20:59
F779	Cover Asphalt -End Day 2		05MAY88 21:00	DSMAY98 22-59
E131	Install Duct Type A - Txwy E- Day 2	5	05MAY98 21:00	06MAY98 01:59
E500	Clean, Prime/Tack Txwy E	2	05MAY98 21:00	05MAY98 22-59
E150	Rmv/Reinstall Handhuko - Txwy E		05MAY98 21:00	05MAY98 22:59
F120	Trench for Electric Cable - Txwy F	- '4	05MAY98 22:00	.06MAY98 :01:59
P103	Re-open Runway —End of Day 2	Ö	05MAY98 23:00	05MAY98 22:59
F130	Instalt Duct Type A - Txwy F	3	05MAY98 23:00	06MAY98 01:59
Ē505	Asphalt @ Txwy E	3	05MAY98 23:00	:06MAY95 :01:59
				'D'MANAGE
E195	Sand Bed		06MAY98 02:00	06MAY98 02:59
F150	Install Handholes -Txwy F		06MAY98 02:00	06MAY98 03:59
	Service 24 (28 - ACB)			***************************************
Project Start Project Strate Gene Stern Sun Stern	Security 24 DG C		M	.B. ZACHRY C
			ı	Classic Schools
	1		•	Parki manife Chick above

Activity	Accepts	Orig Dur	Corty Start	Early Finish
F200	Description Install CO/CP Wire—Txwy F	1:	CEMAY98	Q6MAY98
E21D	:Backfill Electrical-Taxiway E	2.	02:00 06MAY98	03:59 06MAY98
F911	Uneover Asphalt Day2		03:00 06MAY98	04:59 06MAY99
M3	Close Airport Runway—Day 3		21:00 06MAY98	21:59 :06MAY98
		·	21:00*	20:59
E125	Excavate Light/Sign Foundation - Txwy E-1st Day	,	06MAY98 22:00	07MAY98 01:59
E501	Clean, Prifite/Tack Txwy F day 3	2	06MAY98 22300	06MAY98 23:59
F543	Asphalt Base-4" (1st Course)	3	07MAY98	07MAY98
F125	Excavate Light/Sign		00:00 07MAY98	02,59 07 MAY9 8
	Foundation - Txwy F -1st day		02:00	05:59
E141	Form Guidance Signs -Txwy E-Day 3	3:	07MAY98 02:00	04:59
E135	Install Base Cans/Set Jigs & Cover-Txvy E -Day 1		07MAY98 03:00	07MAY98 04:59
F709	Cover Asphalt -Day 3	2	OTMAY98 04:00	07MAY98 105:59
F140	Form Guidance Signs -Txwy F	3	07MAY98 06:00	:07MAY98 22.59
P104	Re-open Runway —End of Day 3	ō	07MAY98 06:00	07MAY98 05:59
F 135	Install Base Cans & Set Jigs -		07MAY98 21:00	08MAY98 00:59
(F912	Txwy F Uncover Asphalt Day 4		07MAY98	-07MAY98
 M4	Close Airport Runway-Day 4		21:00 07MAY98	.21:59 07MAY98
E136	**************************************	A Color response William	21:00° 07MAY98	06:59 08MAY98
	Install Base Cans & Set Jigs - Txvy E -Day 2		21:00	00:59
E503	Clean, Prime/Tack Txwy F- Day 4	2	07MAY96 22:00	07MAY96 23.59
F 547	Asphalt Base 4" (2nd	3	SEYAMBO	DBMAY98
	Course)		00.00 BEYAMBO	02:59 08MAY98
F190	Pour Light Bases and Ductbank-Txy F	***	01:00	:04;59
E220	Install 5 KV Wire -Txwy E	× ×	08MAY96 01:00	08MAY90 02:59
F220	Install 5 KV Wire -Txwy F	ž	08MAY96 03:00	08MAY98 04:59
F710	Cover Asphalt -Day 4		08MAY98 04:00	08MAY98 04:59
P105	Re-upon Runway - End of Day 4		08MAY98 05:00	08MAY98 05:59
F913	Uncover Asphalt/ clean		09MAY98 21:00	08MAY98 22:59
M5	asphalt —Day 5 Close Airport Runway—Day 5	0	O8MAY98	A.C. Williams
E14 0	.Form Guidance Signs -Txwy	3	21:00° 08MAY98	08MAY98
F580	E-Day 2 Set Paving Forms @ Txwy F -	. 3	21:00 08MAY98	23:59 09MAY98
1.000	1st Day		22:00	00:59
E190	Pour Light Bases and	3	09MAY98 01:00	09MAY98 03:59
F585	Ductbank-Txy E -Day 1 Pour 10* Class 9735 Pyrnnt	4	09WAY98	BCYAMBO
J	Wreck - Pour 1		01:00	04:59

Activity	Activity	:Orig	Eurly	Early
g ID	Description	Our	Start	Finish:
F128	Excavate Light/Sign Foundation - Txwy F . Day 2	3	09MAY98 03:00	09MAY98 05:59
F800	Sackfill Edge Pavement F Pour 1	1	09MAY98 05:00	09MAY98 05:59
P106	Re-open Runway - End of Day 5	9	09MAY98 06:00	09MAY98 05:50
.MG	Close Airport Runway-Day 6	n	11MAY98 21:00*	11MAY98 20:59
F914	Uncover Asphalt/ clean asphalt - Day B	2	11MAY98 21:00	11MAY98 2259
F581	Set Paying Forms @ Yxwy F- 2nd Day	3	11MAY98 22:00	112MAY98 00:59
P586	Pour 10" Class 9725 Pyrmit/		12MAY98	12MAY98
	Wreck - Pour 2		01:00	04:59
<u></u>	Pour Light Bases and Ductbank-Txy E - Day 2		12MAY98 01.00	12MAY98 00:59
F801	Backfill Edge Pavement F -Pour 2		12MAY98 05:00	12MAY98 05:59
P107	Re-open Runway End of Day 6		12MAY98 06:00	12MAY98 05:59
F915	:Uncover Asphalt/ clean 'asphalt -Day 7		12MAY98 21:00	12MAY98 22:59
M7	Close Airport Runway Day 7		12MAY98 21:00*	12MAY98 06:59
F583	Set Paving Forms @ Txwy F 3rd Pour		12MAY98 22:00	13MAY98 00:59
F250	Install Fixtures - Txwy F -1st day		12MAY98 22:00	13MAY98 .05:59
E170	Pour Guidance Sign Bases @ Txwy E		13MAY98 01:00	13MAY98 -03:59
F587	Pour 10" Class 9735 Pyrint - Pour 3		13MAY98 01:00	13MAY98 04:59
F802	Backfill Fidge Pavement F -Pour 3	1	13MAY98 05:00	13MAY96 05:59
P108	Re-open Runway -End of Day 7		13MAY98 05:00	13MAY98 05:59
MS	Close Airport Runway-Day 8		13MĀÝ98 21:00°	13MAY98 05:59
F916	Uncover Asphalt/ dean asphalt - Day's		13MAY98 21:00	13MAY98 22:50
E250	Install Fixtures - Txwy E		13MAY98 21:00	14MAY98 04:59
F584	Set Paving Forms @ Txwy F - 4th Pour		13MAY90 22:00	14MAY98 00:59
F170	Pour Guidance Sign Bases @ Txwy F		14MAY98 01:00	14MAY98 03:69
F588	Pour 10" Class 9735 Pyrnnt - Pour 4	4	14MAY98 01:00	14MAY98 04:59
F803	Backfill Edge Pavement F	· 1	14MAY98 05:00	14MAY98 05:59
P109	Re open Renway Find of Day 8	~ - 1	14MAY98 05:00	14MAY98 U5:59
M9	Close Airport Runway-Day 9		14MAY98 21:00*	14MAY98 06:59
F620	Place Topsoil & Dress Up	4	14MAY98 22:00	15MAY98 01:59
E230	Install Guidance Signs-Txwy	ě	14MAY98 22:00	15WAY98 03:59
[E REAR DAM AND		,	

vetali Guidance Signs—Txvvy			
utal Cintana Steam Torre			
was consenues plans—I yilly		SMAY 98 3:00	15MAY96 23:59
e-open Runway —End of lay 9			15MAY98 04:59
lose Airport Runway Day 10.	U:1		15MAY98 05:59
tripe Taxiway F			16MAY98 00:59
	le-open Rumway —End of Jay 9	te-open Runway End of 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	te-open Runway End of 1 15MAY98 04:00 04:00 00:0