

**CITY OF SAN ANTONIO  
INTERDEPARTMENTAL MEMORANDUM  
AVIATION DEPARTMENT**

**TO:** Mayor and City Council

**FROM:** Kevin C. Dolliole, Aviation Director

**THROUGH:** Terry M. Brechtel, City Manager

**COPIES:** Christopher J. Brady, Finance, Office of Management & Budget, Public Works, File

**SUBJECT:** Final Field Alteration – Phase 1 of the Ground Run Up Enclosure at San Antonio International Airport

**DATE:** March 27, 2003

**SUMMARY AND RECOMMENDATIONS**

This proposed ordinance authorizes the execution of Field Alteration No. 2 in the deductive amount of \$40,394.50 to the contract with Service Station Constructors & Fuel Systems, Inc. for Phase 1 of the Ground Run Up Enclosure at San Antonio International Airport. The project has been completed, and a reconciliation of the over/under runs in the unit quantities has been completed resulting in an under run of \$40,394.50.

Staff recommends the approval of this ordinance.

**BACKGROUND INFORMATION**

Ordinance No. 93024, passed and approved on December 14, 2000, awarded Phase 1 of the Ground Run Up Enclosure to Service Station Constructors & Fuel Systems, Inc. in the amount of \$978,954.88, funded in part by a Federal Aviation Administration (FAA) grant. The deductive amount of \$40,394.50 included in Field Alteration No. 2 is required to make a final adjustment to the contract amount, which reflects the reconciliation of unit quantities completed and accepted.

This action together, with Field Alteration No. 1 in the additive amount of \$2,751.00 previously approved by staff, will adjust the final contract amount to \$941,311.38.

**POLICY ANALYSIS**

This proposed action is consistent with past Council actions regarding the City's policies for project closeout.

### **FISCAL IMPACT**

This project was included in the Aviation Department's Capital Improvement Program with an original construction budget in the amount of \$978,954.88. This ordinance will revise the construction budget to \$941,311.38. This is a one-time capital improvement budget adjustment for project closeout.

### **COORDINATION**

This request for ordinance has been coordinated with the Public Works, Finance and Office of Management & Budget Departments.

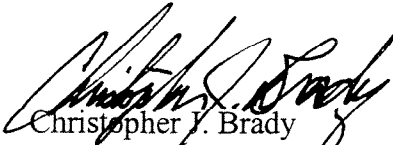
### **SUPPLEMENTARY COMMENTS**

The Discretionary Contracts Disclosure Form is not required for this proposed action.

### **SIGNATURES**

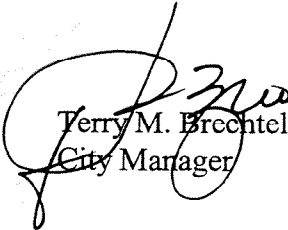


Kevin C. Dolliole  
Aviation Director



Christopher J. Brady  
Assistant City Manager

Approved:



Terry M. Brechtel  
City Manager

CITY OF SAN ANTONIO  
DEPARTMENT OF PUBLIC WORKS  
FIELD ALTERATION REQUEST

Date October 30, 2002

Field Alteration No. 2 (Final)

Project Name (as shown on the Work Project Authorization):

**Ground Run-Up Enclosure, Phase 1**

The revision or amendment described below in the work originally or previously specified is hereby requested; including all changes in costs. (Describe work to be added or deleted. Attach revised plan sheet affected or drawings as required):

See Attachment "A".

Justification for proposed alteration (description in detail as to why this work is to be added or deleted - use attachments if necessary):

- A) Revised the contract amount to match the total bid amount, \$ 978,262.98.
- B) Three lighted signs removed from Phase 1 contract and moved to Phase 2 contract on March 8, 2002.
- C) Six panels of 9" thick concrete were deleted from this project by request from the Phase 2 Contractor, all agreed.
- D) As per the specification, Sheet 501-M3, adjust the bid unit prices used for the payments on the 9" and 16" thick concrete panels with deficient flexural strength.
- E) To reflect changes in contract costs due to overage/underage of project quantities.

40,394.50 [ ] Increase (attach summary)

Resulting change in contract cost by this Field Alteration: \$ \_\_\_\_\_ [X] Decrease (attach summary)

Resulting in an: [ ] Increase [ ] Working  
[ ] Decrease of N/A [ ] Calendar Days. (To be negotiated by the Contractor and the City)

Requested by:

City of San Antonio, Aviation Department.

City, Consulting Engineer/Architect, Other  
(Please specify)

Service Station Constructor and Fuel Systems, Inc.

Subject to 2/5/02 plan

Contractor (type in full name)

By: [Signature]  
(Signature of authorized representative)

Title: Project Manager

**RECOMMENDED:**

[Signature] 2/6/03  
Consultant (Project Engr/Arch Only) Date  
Firm Name: Garcia & Wright Consulting Engineers, Inc.

[Signature] 2/6/03  
Jerry Rankin, Airport Noise Mitigation Date

[Signature] 2/6/03  
Kao-Lin Chen, P.E., Sr. Airport Engineer Date

[Signature] 2/6/03  
Leslie A. Heinen, Jr. P.E. Date  
Planning and Engineering Manager

**APPROVED**

City Manager

Date

Director of Public Works

Date

**FOR CITY USE ONLY:**

Professional Services Fees for this Field Alteration are: [ ] eligible [ ] ineligible.

Original Contract Amt.	\$ _____	Const. Contg. Fund	\$ _____
Previous Approved FAs	\$ _____	Previous Approved FA	\$ _____
This Field Alteration	\$ _____	This Field Alteration	\$ _____
Total	\$ _____	Total Field Alterations	\$ _____
		Balance	\$ _____

**ATTACHMENT 1**

Field Alteration: 2, Final

Project Name: Ground Run-Up Enclosure, Phase 1

Date: October 30, 2002

**Attachment " A "**

The revision or amendment described below in the work originally or previously specified is hereby requested; including all changes in costs. (Describe work to be added or deleted. Attach revised plan sheet affected or drawings as required).

- A) Change the contract amount from \$ 978,954.88 to \$ 978,262.98. It deducts \$ 691.90.
- B) Delete three Type 3 lighted signs. Unit price for each unit is \$ 3,800.00.  
Item L127-5.1    3 \* \$ 3,800.00= \$ 11,400.00 (deduction).
- C) Delete six panels of 9" thick concrete.  
Item P 501-5.1, 9" thick concrete panel    116.70 S.Y. \* \$ 40.00/S.Y. = \$ 4,668.00 (deduction).
- D) As per the Specification, Sheet 501-M3, adjust the bid unit prices used for the payments on the 9" and 16" concrete panels with deficient flexural strength.
- 1) Item P 501-5.1, 9" thick concrete panels:
- a) Deduct 233.40 S.Y.    233.40 S.Y. \* \$ 40.00/S.Y. = \$ 9,336.00
- b) Add 233.40 S.Y. at 70% of the bid unit price.  
\$ 40.00/S.Y. \* 70% = \$ 28.00    233.40 S.Y. \* \$ 28.00/S.Y. = \$ 6,535.20
- 2) Item P501-5.1, 16" thick concrete panels:
- a) Deduct 1,193.40 S.Y.    1,193.40 S.Y. \* \$ 60.00/S.Y. = \$ 71,604.00
- b) Add 977.60 S.Y. at 70% of the bid price  
\$ 60.00 \* 70% = \$ 42.00    977.60 S.Y. \* \$ 42.00/S.Y. = \$ 41,059.20
- c) Add 215.80 S.Y. at 75% of the bid unit price.  
\$ 60.00/S.Y. \* 75% = \$ 45.00    215.80 S.Y. \* \$ 45.00/S.Y. = \$ 9,711.00

### Summary of Items A, B, C, and D:

A) Change the contract amount	- \$ 691.90.
B) Item L 127-5.1, 3 lighted signs	- \$ 11,400.00.
C) Item P 501-5.1, 9" thick concrete	- \$ 4,668.00.
D.1.a) Item P 501-5.1, 9" thick concrete	- \$ 9,336.00.
D.1.b) Item P-501-5.1, 9" thick concrete, 70% payment	\$ 6,535.20.
D.2.a) Item P 501-5.1, 16" thick concrete	- \$ 71,604.00.
D.2.b) Item P-501-5.1, 16" thick concrete, 70% payment	\$ 41,059.20.
D.2.c) Item P-501-5.1, 16" thick concrete, 75% payment	\$ 9,711.00.

Net Results (deduction): -\$ 40,394.50.

- E) Final recapitulation of project costs. See Attachment B, "Over and Under Costs Breakdown"; Attachment C, "Final Project Cost Summary".

## Attachment B- Over and Under Costs Breakdown

City Of San Antonio  
Department of Public Works  
Construction Estimate Certification Form

Page # 1 of 4

9/23/2002

Project: Ground Run-Up Enclosure-Phase 1, San Antonio International Airport  
Contractor: Service Station Constructors and Fuel Systems  
Architect / Engineer: Garcia & Wright Consulting Engineers, Inc.

Item No's	Description of Work	Unit	Original Bid or Revised Quantity	Unit price	Total Original Bid or Revised Amount	Final Quantity	Change in Quantity	Change in Costs	
							Decrease / Increase	Decrease	Increase
GC-1	Insurance & Bond	LS.	1.00	\$39,045.99	\$39,045.99	1.00	0.00	\$0.00	\$0.00
100	Mobilization	LS.	1.00	\$27,375.99	\$27,375.99	1.00	0.00	\$0.00	\$0.00
530	Temp Water Pollution, Soil & Silt Control	LS.	1.00	\$5,000.00	\$5,000.00	1.00	0.00	\$0.00	\$0.00
630	Barricades	LS.	1.00	\$15,000.00	\$15,000.00	1.00	0.00	\$0.00	\$0.00
P152-4.1	Unclassified Excavation	CY.	7,343.00	\$8.00	\$58,744.00	7,343.00	0.00	\$0.00	\$0.00
P152-4.3	Embankment in Place	CY.	263.00	\$30.00	\$7,890.00	263.00	0.00	\$0.00	\$0.00
P154-5.1	6" Subbase Course	CY.	1,740.00	\$10.00	\$17,400.00	1,740.00	0.00	\$0.00	\$0.00
P304-6.1	10" Cement Treated Base Course	SY.	10,420.00	\$8.50	\$88,570.00	10,420.00	0.00	\$0.00	\$0.00
P304-6.2	Portland Cement	TON	260.00	\$100.00	\$26,000.00	260.00	0.00	\$0.00	\$0.00
* P501-5.1	Portland Cement Concrete Pavement (16" Thick)	SY.	6,754.60	\$60.00	\$405,276.00	6,754.60	0.00	\$0.00	\$0.00
* P501-5.1	Portland Cement Concrete Pavement (9" Thick)	SY.	1,544.90	\$40.00	\$61,796.00	1,544.90	0.00	\$0.00	\$0.00
P501-5.2	Portland Cement Concrete Pavement (Trans, 9" to 16" Thick)	SY.	364.00	\$50.00	\$18,200.00	364.00	0.00	\$0.00	\$0.00
* P620-5.1	Runway & Taxiway Painting	SF.	0.00	\$1.50	\$0.00	0.00	0.00	\$0.00	\$0.00
D701-5.1	24" Reinforce Concrete Pipe Class IV	LF.	234.00	\$100.00	\$23,400.00	234.00	0.00	\$0.00	\$0.00
D701-5.2	Flowable Fill	CY.	21.00	\$200.00	\$4,200.00	21.00	0.00	\$0.00	\$0.00
D751-5.3	Grate Inlet	EA.	1.00	\$4,500.00	\$4,500.00	1.00	0.00	\$0.00	\$0.00
D751-5.5	5" Concrete Riprap Apron	CY.	7.00	\$200.00	\$1,400.00	7.00	0.00	\$0.00	\$0.00
T901-5.1	Seeding	MSF	61.00	\$15.00	\$915.00	61.00	0.00	\$0.00	\$0.00
T905-5.1	Topsoil (4") obtained on site	CY.	750.00	\$9.00	\$6,750.00	750.00	0.00	\$0.00	\$0.00
L108-5.1	Cable Trench and Backfill	LF.	1,200.00	\$6.00	\$7,200.00	1,200.00	0.00	\$0.00	\$0.00
SUB TOTALS					\$818,662.98			\$0.00	\$0.00

\* The quantity has been changed by F.A. No. 1 or F.A. No. 2.

## Attachment B- Over and Under Costs Breakdown

City Of San Antonio  
Department of Public Works  
Construction Estimate Certification Form

Page # 2 of 4

9/23/2002

Project: Ground Run-Up Enclosure-Phase 1, San Antonio International Airport  
Contractor: Service Station Constructors and Fuel Systems  
Architect / Engineer: Garcia & Wright Consulting Engineers, Inc.

							Change in Quantity	Change in Costs	
Item No's	Description of Work	Unit	Original Bid or Revised Quantity	Unit price	Total Original Bid or Revised Amount	Final Quantity	Decrease / Increase	Decrease	Increase
L108-5.1	Cu Counterpoise Wire (#8)	LF.	1,200.00	\$1.25	\$1,500.00	1,200.00	0.00	\$0.00	\$0.00
L108-5.1	UG Power Cable Installed (#8, 5KV)	LF.	1,200.00	\$1.25	\$1,500.00	1,200.00	0.00	\$0.00	\$0.00
L108-5.1	Duct Markers	EA.	4.00	\$2.00	\$8.00	4.00	0.00	\$0.00	\$0.00
L108-5.1	Electrical Service Connection for GRE Facility Power	LS	1.00	\$6,200.00	\$6,200.00	1.00	0.00	\$0.00	\$0.00
L108-5.1	Relocation of FAA UG Cable	LS	1.00	\$6,000.00	\$6,000.00	1.00	0.00	\$0.00	\$0.00
L108-5.1	Conduit or Duct	LF.	1,200.00	\$2.50	\$3,000.00	1,200.00	0.00	\$0.00	\$0.00
L126-5.1	Med Int Taxiway Edge Light Base Mounted	EA.	10.00	\$700.00	\$7,000.00	10.00	0.00	\$0.00	\$0.00
* L108-5.1	Type 3 Lighted Signs	EA.	0.00	\$3,800.00	\$0.00	0.00	0.00	\$0.00	\$0.00
SUIB-1	Relocate ASOS Weather Station (Site Survey)	LS.	1.00	\$33,535.00	\$33,535.00	1.00	0.00	\$0.00	\$0.00
SC-2	Additional Insurance Coverage (FAA Non-Participating)	LS	1.00	\$0.00	\$0.00	1.00	0.00	\$0.00	\$0.00
	<b>Base Bid Sub Total This Page</b>				<b>\$58,743.00</b>			<b>\$0.00</b>	<b>\$0.00</b>
	<b>Base Bid Sub Total Page 1</b>				<b>\$818,662.98</b>			<b>\$0.00</b>	
	<b>Totals</b>				<b>\$877,405.98</b>			<b>\$0.00</b>	

\* The quantity has been changed by F.A. No. 1 or F.A. No. 2.

## Attachment B- Over and Under Costs Breakdown

City Of San Antonio  
 Department of Public Works  
 Construction Estimate Certification Form

Page # 3 of 4      9/23/2002

Project: Ground Run-Up Enclosure-Phase 1, San Antonio International Airport  
 Contractor: Service Station Constructors and Fuel Systems  
 Architect / Engineer: Garcia & Wright Consulting Engineers, Inc.

### Field Alteration No.1

Item No's	Description of Work	Unit	Original Bid or Revised Quantity	Unit price	Total Original Bid or Revised Amount	Final Quantity	Change in Quantity	Change in Costs	
							Decrease / Increase	Decrease	Increase
	Concrete Encased Duct Bank	LS.	1.00	\$6,600.00	\$6,600.00	1.00	0.00	\$0.00	\$0.00
	<b>Sub Total for F. A. No.1</b>				<b>\$6,600.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

### Field Alteration No. 2

Item No's	Description of Work	Unit	Original Bid or Revised Quantity	Unit price	Total Original Bid or Revised Amount	Final Quantity	Change in Quantity	Change in Costs	
							Decrease / Increase	Decrease	Increase
P501-5.1	Portland Cement Concrete Pavement (16" Thick) 70% payment	SY.	977.60	\$42.00	\$41,059.20	977.60	0.00	\$0.00	\$0.00
P501-5.1	Portland Cement Concrete Pavement (16" Thick) 75% payment	SY.	215.80	\$45.00	\$9,711.00	215.80	0.00	\$0.00	\$0.00
P501-5.1	Portland Cement Concrete Pavement (9" Thick) 70% payment	SY.	233.40	\$28.00	\$6,535.20	233.40	0.00	\$0.00	\$0.00
	<b>Sub Total for F. A. No. 2</b>				<b>\$57,305.40</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

## Attachment B- Over and Under Costs Breakdown

City Of San Antonio  
 Department of Public Works  
 Construction Estimate Certification Form

Page # 4 of 4

9/23/2002

Project: Ground Run-Up Enclosure-Phase 1, San Antonio International Airport

Contractor: Service Station Constructors and Fuel Systems

Architect / Engineer: Garcia & Wright Consulting Engineers, Inc.

### Summary

Item No's	Description of Work	Unit	Original Bid or Revised Quantity	Unit price	Total Original Bid or Revised Amount	Final Quantity	Change in Quantity	Change in Costs	
							Decrease / Increase	Decrease	Increase
	<b>Base Bid</b>				<b>\$877,405.98</b>			<b>\$0.00</b>	
	Field Alteration No. 1				<b>\$6,600.00</b>			<b>\$0.00</b>	
	Field Alteration No. 2				<b>\$57,305.40</b>			<b>\$0.00</b>	
	<b>Subtotals</b>				<b>\$941,311.38</b>			<b>\$0.00</b>	<b>\$0.00</b>
	<b>Total for the Contract</b>				<b>\$941,311.38</b>				



Field Alteration: 2, Final  
Project Name: Ground Run-Up Enclosure, Phase 1  
Date: October 30, 2002

**Attachment " C "**

Project Cost Summary

Original Contract:	\$ 978,954.88
Field Alteration No.1	\$ 2,751.00
Field Alteration No.2, Items B, C and D	-\$ 40,394.50
Revised Contract Amount:	\$ 941,311.38

Over/Under Amounts for:	
Original Contract:	\$ 0.00
Field Alteration No.1	\$ 0.00
Field Alteration No.2, Items B, C, and D	\$ 0.00
Total Over/Under Amount	\$ 0.00

Final Contract Amount:	\$ 941,311.38
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