## AN ORDINANCE 2008-09-18-0808

APPROVING CHANGE ORDERS 33 & 34 FOR A NET INCREASE OF \$645,548.46 TO THE CONSTRUCTION CONTRACT WITH ARCHER WESTERN CONTRACTORS, LTD. IN CONNECTION WITH PROJECT 6 – ROADWAYS & UTILITIES AND PROJECT 10 – HYDRONIC LINES RELOCATION AT SAN ANTONIO INTERNATIONAL AIRPORT FOR A REVISED CONTRACT VALUE OF \$43,789,841.83.

WHEREAS, on October 12, 2006, by Ordinance No. 2006-10-12-1184, the City awarded a construction contract in the amount of \$36,963,350.06 with a contingency amount of \$5,794,137.00 to Archer Western Contractors, Ltd. for construction services in connection with Project 6 – Roadways and Utilities and Project 10- Volume 2 – Hydronic Lines Relocation at San Antonio International Airport; and

WHEREAS, subsequent change orders, listed in Attachment I "Change Order History," increased the net contract value by \$6,180,943.31 to a total of \$43,144,293.3741; and

WHEREAS, Change Order 33 increases compensation to the contractor in the amount of \$951,742.25 for additional work on the roadway elevations to eliminate the variations in height from the transition between the existing and the new roadway, and Change Order 34 is a reduction in unit price items in the amount of \$306,193.79 for a \$645,548.46 net increase in the contract value; and

WHEREAS, it is now necessary to approve Change Orders No. 33 and 34, increase the contract sum, amend the project budget, and authorize payment; NOW THEREFORE:

#### BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:

**SECTION 1.** The City Manager or her designee is authorized to execute the attached Change Orders 33 and 34 for a net total amount of \$645,548.46.

**SECTION 2.** The budget in SAP Fund 51099000, Airport Capital Projects, SAP Project Definition 33-00153, Archer Western Contractors, Ltd., shall be revised by decreasing/increasing WBS elements as follows:

WBS NO.			WBS NAME	G/L	G/L NAME	PLAN VERSION 0	VERSION 0 REVISION/	REVISED PLAN VERSION 0 (Optional)
33-	00153	105-02-01	P6-Archer Western Contractors	5201140	Construction Costs	\$35,647,297.50	\$645,548.46	\$36,292,845.96
33-	00153	105-07-07	P6-Archer Western Contingency	5406530	Indirect Costs	\$1,207,407.60	-\$645,548.46	\$561,859.14

**SECTION 3.** The amount of \$645,548.46 is authorized to be paid from Fund 51099000, Airport Capital Projects, SAP Project Definition 33-00153, Archer Western Contractors, Ltd., and is authorized to be encumbered and made payable Archer Western Contractors, Ltd. for construction services.

**SECTION 4.** The financial allocations in this Ordinance are subject to approval by the Director of Finance, City of San Antonio. The Director of Finance may, subject to concurrence by the City Manager, or the City Manager's designee, correct allocation to specific SAP Fund Numbers, SAP Project Definitions, SAP WBS Elements, SAP Internal Orders, SAP Fund Centers, SAP Cost Centers, SAP Functional Areas, SAP Funds Reservation Document Numbers, and SAP GL Accounts as necessary to carry out the purpose of this Ordinance.

**SECTION 5.** This Ordinance shall take effect immediately upon passage by eight (8) affirmative votes; otherwise it shall be effective ten (10) days after its passage.

PASSED AND APPROVED this 18th day of September, 2008.

PHIL HARDBERGER

ATTEST:

City Clerk

APPROVED AS TO FORM: \_

City Attorney

# **Agenda Voting Results - 18**

Name:	15, 16, 18
Date:	09/18/2008
Time:	09:32:19 AM
Vote Type:	Motion to Approve
Description:	An Ordinance approving a net change order of \$645,548.46 including a \$951,742.25 Change Order to the construction contract with Archer Western Contractors for roadway elevation work and a \$306,193.79 deductive Change Order for materials quantities and labor savings in connection with Project 6 – Roadways & Utilities and Project 10 – Volume 2 – Hydronic Lines Relocation at San Antonio International Airport for a revised contract value of \$43,789,841.83. [Penny Postoak Ferguson, Assistant City Manager; Mark Webb, Director, Aviation]

**Result:** Passed

Voter	Group	Not Present	Yea	Nay	Abstain	Motion	Second
Phil Hardberger	Mayor		X				
Mary Alice P. Cisneros	District 1		X				
Sheila D. McNeil	District 2		X				
Jennifer V. Ramos	District 3		X				
Philip A. Cortez	District 4		X				
Lourdes Galvan	District 5		X				
Delicia Herrera	District 6		X			X	
Justin Rodriguez	District 7		X				X
Diane G. Cibrian	District 8		X				
Louis E. Rowe	District 9				X		
John G. Clamp	District 10		X				

## ATTACHMENT I - CHANGE ORDER HISTORY

## AVIATION

Project: Vendor:

Project 6 Roadways & Utilities and Project 10 - Volume 2 - Hydronic Lines Relocation

Archer Western Contractors, Ltd.

Change Order No.	Amount	Description	
1	\$23,351.00	Provide customer assistance with baggage handling from the temporary curb side loading area to Terminal 2 curbside check-in	
2	17,220.95	Relocation of the contractor construction yard, moving approximately 2050 of earthen materials and rubble, installation of additional fencing at the new construction yard site, removal of yard fencing, return area to original conditions.	
3	13,130.42	Installation of new electrical and telephone service for temporary contract construction yard	
4	0.00	Furnish and install low profile concrete barriers and water filled barricades	
5	4,265.42	Provide 100 LF of delineators to safely guide vehicular traffic in and around construction areas	
6	5,300.00	Provide 50 delineators of Flex-Guide Series 300 delineator posts	
7	14,774.30	Material, Labor, Equipment for Temporary Cell Phone Lot Construction	
8	18,754.49	Material, Labor, Equipment for Temporary Parking Lot at Landmark Aviation	
9	4,254.73	Installation of new swing gates and full restoration of entrance	
10	7,564.85	Material, Labor, Equipment for additional surveying required to establish project control data points	
11	(22,599.08)	Provide and install new security booth including self contained air conditioner/heating unit, electrical connections & wiring	
12	13,019.90	Relocate fence at triturator	
13	24,724.53	Material, Labor, Equipment for demolition of triturator	
14	149,536.70	Construction of the permanent Cell Phone Lot	
15	59,269.64	Provide temporary light plants	
16	(87,998.69)	Relocate AOA access gate and spoils area	
17	39,674.83	Provide new communication room in Terminal I	
18	693,248.67	Increased overhead due to suspension of significant construction progress	
19	0.00	Rename cash allowance no. 2 from "Traffic Control Personnel" to "Traffic Control"	
20	15,024.42	Artist directed painting and restoration of covered pedestrian walkway	
21	0.00	Replace cast-in-place deck method with precast panels where applicable on elevated roadway construction	
22	\$79,912.00	.00 Termination of existing Federal Aviation Administration (FAA) cable and placement of FAA cable in the new ductbank	
23	\$32,654.78	Relocation of Sanitary Sewer Manhole No. 4 approximately 60' to the west due to differing site conditions	

## ATTACHMENT I - CHANGE ORDER HISTORY

24	\$20,655.80	Remove 27 Airport owned light poles, reroute meter connections at the New Cell Phone Lot, modify and relocate installed Cell Phone Lot sign, resurface existing pedestrian walkways between Terminal 1 and Terminal 2, and reroute electrical power from the GTC to supply taxi queuing gates
25	\$3,100,000.00	Installation of two portable chiller systems and operating equipment
26	\$30,780.35	Installation of temporary duckbank to support future communication lines for skycap operations
27	\$16,127.80	Installation of additional telephone cables for FAA Communications
28	37,419.07	Installation of lighting for Economy Parking Lot
29	\$568,103.28	Expansion of the Economy Parking Lot on Northern Blvd to Hwy 281
30	\$1,240,681.19	Installation of a three-lane bypass road in front of Terminal 2, construction of a curbside canopy and installation of new covered walkway between Terminal 1 and 2
31	13,537.00	Additional work required to minimize the extent of water service outage necessary to complete the Phase 1 water main tie-in and avoid an interruption of water service to airport facilities
32	48,554.96	Additional work performed to pull, terminate, test and cut-over numerous airport communication and matrix security cables within the footprint of the
TOTAL CHANGE ORDERS APPROVED:	\$6,180,943.31	Roadway and Terminal B

<sup>\*</sup> Change Orders under \$25,000 and included in the project budget do not require Council approval.



Date Prepared:

August 1, 2008

#### CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT FIELD ALTERATION REQUEST

Field Alteration: 33

Project No.

Form PW-15-AVIATION Rev. 3/2006 (Submit 6 Originals)

33 - 00153

Project Name: Project 6 - Roadway (Project Name as shown on the Work Project	ys & Utilities and Project 10 - Nect Authorization)	/olume 2 - Hydronic Lines F	Relocation	
The revision or amendment described belo deleted, including SAP Material number. A Field Order 64 dated November 12, 2007 v required to allow for construction of the new include, but not be limited to the barricading level roadway, the contractor shall be responded in accordance with the plans and maintaine existing elevated roadway shall be consider negotiated lump sum amount of \$951,742.2 Justification for Proposed Alteration (Describe original design for the connection of the	ttach a revised plan sheet affectivas issued to execute modification welevated roadway structure and grand preparing for the demolitic possible for maintaining pedestriated during the road utilization. All red incidental to the revised wor 25.  The indetail why this work is to be new elevated roadway to the expression of the second structure.	ted or drawings.) ons to the existing upper leve d to alleviate variations in roa on of the existing pavement a n traffic to Terminal 2 and the other appurtenances associa k. Please see Attachment "A the added or deleted. Use attact existing roadway in front of Te	I roadway in front of Terminal 1 as pedway elevations currently resulting in the concrete curb. During the demolif the parking garage in accordance with the installation and selective of a list of items to be incorporated achments if necessary.):	er WCPR 005 dated 5/15/07 and as a "hump". This revised work shall tion and reconstruction of the upper the plans. Barricades shall be placed a demolition and modification of the into Archer Westerns contract for a
This additional work, at the Owner's reques of the upper deck of the elevated raodway, selective demolition and of the existing elev	This work will allow the contract	or to reroute traffic and pedes	strians from the required construction	nt and to facilitate any future widening work zones necesary to perform the
Field Alteration will result in change to Cont Field Alteration will result in change to Cont (To be negotiated by the Contractor and the	ract Days as: [ ]	Increase Increase Working Days	[ ] Decrease [ ] Decrease [ ] Calendar Days	\$ 951,742.25 # Days 0
REQUESTED BY:			112	
 			Merel & e	
Program Management Team	0 %) D.			
City, Consulting Engineer/ Architect, Other (Plea	ase Specify) Date		Contractor Sr. Project Manager Archer Western Contractors, Ltd.	Date
3D/International  3D/International  Area Manager  Program Management Team	Date  Date  Date		Construction Manager Program Management Team	<u>Il 11A-, 08</u> Date
APPROVED BY:				
Interim Planning & Engineering Manager	Date		Director of Public Works (If over \$2	5,000) Date
		-FOR CITY USE ONLY		
Ordinance Required:	[]Yes []No	[] FA \$25,000 (+ or -)	Additional Funds Required: _	
	33-00153-05-02-01	[][](425,000 (1 01 -)		33 00153 05 03 03
			WBS Element: _	
Original Contract Amount:	STATE OF THE PROPERTY AND A VALUE OF THE PROPERTY OF THE PROPE			\$5,114,137.00
Previous Approved FAs:			Previous Approved FAs:	CATABLE CONTROL CONTRO
This Field Alteration:				
Total:			Total Field Alterations: _ Balance: _	
Vendor #:	1015269 Ordinance #:	2006-10-12-1183	_ Ordinance #: _	
Purchase Requisition #:	Contract #:	4600004918	Purchase Order #:	4500089248

NOTE: This form is a local government record and shall be retained in accordance with the provisions of the Local Government Code, Section 201. Provide six (6) originals with supporting documents.

#### ATTACHMENT "A'

## Enc: Specifications:

- 1. Index of Roadway Specifications, Revision 1, dated 07/31/07 (4 pages)
- 2. Item 411: Selective Demolition and Modification of Existing Elevated Roadway specification section, dated 05/11/07 (1page)

Drawings:

Sheet	Description
R CSP.106	Grading Plan, Revisions 1, dated 05/15/07
	Temporary Traffic Control Lower Roadway, Revision 1, dated 05/15/07
	Temporary Traffic Control Upper Roadway, Revision 1, dated 05/15/07
	Temporary Traffic Control Upper & Lower Roadway, Revision 1, dated 05/15/07
	Temporary Traffic Control Pavement Marking Plan, Revision 1, dated 05/15/07
	Level 1 - Road Plan Sector C7, Revision 1, dated 05/11/07
	Level 1 - Road Plan Sector C8, Revision 1, dated 05/11/07
	Level 1 - Road Plan Sector D8, Revision 1, dated 05/11/07
R S02.1L7	Level 1 - Road Plan Sector L7, Revision 1, dated 05/11/07
R S02.2C7	Level 2 - Road Plan Sector C7, Revision 1, dated 05/11/07
R S02.2C8	Level 2 - Road Plan Sector C8, Revision 1, dated 05/11/07
R S02.2D7	Level 2 - Road Plan Sector D7, Revision 3, dated 05/11/07
R S02.2D8	Level 1 - Road Plan Sector D8, Revision 1, dated 05/11/07
R S04.401	Elevations, Revision 1, dated 05/11/07
R S04.406	Elevations, Revision 1, dated 05/11/07
R S04.407	Elevations, Revision 1, dated 05/11/07
R S04.505	Sections, Revision 1, dated 05/11/07
R S04.512	Garage Connector, Revision 1, dated 05/11/07
R S04.513	Sections, Revision 1, dated 05/11/07
R S04.514	Sections, Revision 1, dated 05/11/07
R S05.102	Lower Roadway Details, Revision 3, dated 05/11/07
R S05.202	Details, Revision 2, dated 05/11/07
R S05.203	Details, Revision 1, dated 05/11/07
R S05.206	Details, Revision 1, dated 05/11/07
R S06.101	Ramp Details, Revision 1, dated 05/11/07
R S06.102	Ramp Details, Revision 1, dated 05/11/07
R S09.101	Schedule and Details, Revision 2, dated 05/11/07

In addition, revise the Archer Western reinforcing steel shop drawings (Refer to AWC letter no. 143, dated 09/27/07 to reflect the incorporation of this data and re-submit to the engineer for review and approval.





#### CITY OF SAN ANTONIO PUBLIC WORKS DEPARTMENT FIELD ALTERATION REQUEST

SEP 0 2 2008

Form PW-15-AVIATION Rev. 3/2006 (Submit 6 Originals)

Carter & Burgess, Inc.

Purchase Order #: 4500089248

August 28, 2008 Field Alteration: 34 Date Prepared: Project No. 33 - 00153 Project 6 - Roadways & Utilities and Project 10 - Volume 2 - Hydronic Lines Relocation (Project Name as shown on the Work Project Authorization) The revision or amendment described below is to the work originally or previously specified is hereby requested, including all changes in costs. (Describe work to be added or deleted, including SAP Material number. Attach a revised plan sheet affected or drawings.) 1. Eliminate Pedestrian Bridge Canopy Columns. The redesign for the Parking Garage eliminated the need to install columns for the pedistrian bridge as referenced in drawing S04.510 and S04.511. The bid item associated with this Work is HCSS 680. 2. Timber walkways as shown in the plans will not be installed. The bid items associated with this work is HCSS 1110,1120,1130,1140. An improved walkway system has been identified and will be priced on future Field Alteration. 3. Removal of Haul road. The haul road to spoils site will not be removed at conclusion of work but will instead remain in place for future use by the Airport or other Contractors. The bid item associated with this work is HCSS 1180. 4. Delete Conc Encased 2R/2C Elect Duct. RFI #1 dated 12/21/2006 requested clarification with regard to the details for conduit routing, circuitry or quantities on Lighting Sheets CLT.100 - CLT.107. WCPR 20 was issued on March 13, 2008 in response to this RFI providing direction for the conduit installation on E01.100 and the installation details on E06.100 for direct buried conduits. With the issue of WCPR 20, the installation of concrete encased 2R/2C duct bank is deleted. The bid item associated with this work was HCSS 1830 Field Alteration Number 34 is to identify unnecessary unit price items and return the unused funds to the project construction contingency and to decrease the contract value by \$306,193.79. Attachment "A" is the list of items. Justification for Proposed Alteration (Describe in detail why this work is to be added or deleted. Use attachments if necessary.): The scope of work associated with these unit price items is either no longer needed in conjunction with this contract or are being replaced with new scope of work identified in change orders. Field Alteration will result in change to Contract Cost as: [ ] Increase \$ (306,193.79) [ X ] Decrease Field Alteration will result in change to Contract Days as: Increase [ ] # Days \_\_\_\_\_0 Decrease (To be negotiated by the Contractor and the City.) Working Days Calendar Davs REQUESTED BY: Program Management Team City, Consulting Engineer/ Architect, Other (Please Specify) Date Contractor Date Sr. Project Manager Archer Western Contractors, Ltd. RECOMMENDED BY Program D/International Construction Manager Date Program Management Team Area Manager Program Management Team APPROVED BY: Interim Planning & Engineering Manager Date Director of Public Works (If over \$25,000) Date ------FOR CITY USE ONLY--------Ordinance Required: [ ] Yes [ ] No [ ] FA \$25,000 (+ or -) Additional Funds Required: WBS Element: 33-00153-05-02-01 WBS Element: \_\_\_\_ 33-00153-05-02-02 Original Contract Amount: \$32,713,350.06 Construction Contingency \$5,114,137.00 Previous Approved FAs: Previous Approved FAs: This Field Alteration: This Field Alteration: Total Field Alterations: Total: Balance: Vendor #: \_\_\_\_\_0rdinance #: \_\_\_\_\_2006-10-12-1183 Ordinance #:\_\_\_\_

Purchase Requisition #: \_\_\_\_\_\_ Contract #: \_\_\_\_\_4600004918

			Original Contract	Decreased		
HCSSS	Item Number	Description	Quantity	Quantity	Amount	Justification
680	420	30" X 48" Column	55 CY	34 CY	\$ (16,494.45)	Pedestrian Bridge Canopy Columns are no longer required.
1110	490	Install Timber Structure (Temporary Walkway Including Lighting - Type I)	700 LF	0 LF	\$ (87,066.00)	Will be added to walkway field order
1120	490	Install Timber Structure (Temporary Walkway Including Lighting - Type II)	500 LF	0 LF	\$ (63,745.00)	Will be added to walkway field order
1130	491	Remove Timber Structure (Temporary Walkway Including Lighting - Type I)	500 LF	0 LF	\$ (6,385.00)	Will be added to walkway field order
1140	491	Remove Timber Structure (Temporary Walkway Including Lighting - Type II)	500 LF	0 LF	\$ (6,385.00)	Will be added to walkway field order
1180	500	Removal of Haul Road	1 LS	0 LS	\$ (28,735.34)	To remain in place for future use.
1830	903	Conc Encased 2: PVC Roadway Lighting Elec. Duct (Two Rows, Two Columns) (0'T	2497 LF	0 LF	\$ (97,383.00)	No longer applicable to this contract.

Net Decrease to Contract \$ (306,193.79)



Agenda Item # 18 Council Meeting Date: 9/18/2008

RFCA Tracking No: R-3877

**DEPARTMENT HEAD:** Mark Webb **DEPARTMENT**: Aviation Department

COUNCIL DISTRICT(S) IMPACTED:

City Wide

SUBJECT:

Roadways & Utilities Project - Change Orders 33 and 34 (Owner Requested) at SAIA

#### SUMMARY:

This ordinance approves Change Order 33 in the amount of \$951,742.25 and Change Order 34, a reduction in the amount of \$306,193.79 and authorizes payment in the amount of \$645,548.46 to Archer Western Contractors, Ltd. in connection with Project 6 Roadways & Utilities and Project 10 – Volume 2 – Hydronic Lines Relocation at San Antonio International Airport an authorized Airport Capital Improvement funded project located in Council District 9. This item represents a portion of a total estimated project cost for construction of \$44,922,065.41.

#### BACKGROUND INFORMATION:

## <u>Project Description</u>

In its Capital Program, the City has identified a need to expand the San Antonio International Airport. The Airport Expansion Program consists of two new terminals, a new parking facility, and new bi-level roadway system. The program also includes utility infrastructure, aircraft apron paving, construction of a new central utility plant, and demolition of existing Terminal 2.

This ordinance authorizes Change Order 33 (Owner Requested) in the amount of \$951,742.25 for additional work on the roadway elevations. The original roadway transition to the existing roadway in front of Terminal 1 would create a variance in the elevations resulting in an unacceptable profile or a hump. This work will eliminate the variations and maintain a consistent curb height to facilitate future widening of the upper deck of the elevated roadway. If it is necessary to widen the upper level roadway in the future due to terminal expansions, this work would have to be completed at a higher cost with disruption to Airport operations and customer convenience. Additionally, the change order will allow the contractor to re-route and maintain traffic and pedestrians from the construction work zones.

This ordinance also authorizes Change Order 34 (Owner Requested), a reduction in the amount of \$306,193.79 for unit price items identified as no longer needed in conjunction with the contract or replaced by other unit price items formerly submitted under other

change orders.

A summary of the Construction Contract and Contingency shown below:

Item	Amount
Original Contract Value	\$36,963,350.06
Previously Authorized Change Orders - Contingency (Change Orders) 1-13, 15-21, 23-25 & 31)	\$ 4,009,827.96
Previously Authorized Change Orders - New Appropriations (Change Orders14, 22, 26-30 & 32)	\$ 2,171,115.35
Proposed Change Order 33 – Contingency	\$ 951,742.25
Proposed Change Order 34 – Reduction	< \$306,193.79>
Revised Contract Value	\$43,789,841.83

Item	Amount
Original Contingency Amount	\$ 5,794,137.00
Previously Authorized Change Orders utilizing Contingency Funds	<\$4,009,827.96>
Previously Authorized Budget Transfers	<\$ 6,537.00>
Proposed Change Order 33	<\$951,742.25>
Proposed Change Order 34	\$ 306,193.79
Revised Contingency Amount	\$1,132,223.58

A list of previously authorized change orders is presented in Attachment I - Change Order History.

### Change Order Category

Change Order 33 and Change Order 34 are Owner Requested – Owner requested change orders are the result of changes requested by the City, not included in the original project scope of a project. These changes may occur after final design had been completed and/or during the construction phase of a project. Examples of an owner requested change order may include the addition or deletion of items such as sidewalks, driveway approaches, traffic devices, etc.

#### **ISSUE:**

<sup>\*</sup>The total estimated project cost for construction is the Revised Contract Value plus the Revised Contingency Amount.

Approval of the ordinance will be a continuation of City Council policy of improving facilities at San Antonio International Airport. This ordinance authorizes Change Order 33 in the amount of \$951,742.25. This change order is necessary for the construction of the new elevated roadway and selective demolition of the existing elevated roadway down ramp. This ordinance also authorizes Change Order 34, a reduction in the amount of \$306,193.79. This change order reduces the contract due to unit price items no longer needed in conjunction with the contract.

#### **ALTERNATIVES:**

Not approving Change Order 33 may result in unexpected changes in elevations, which could cause unsafe conditions and customer complaints. Additionally, this work would have to be done in association with future terminal expansions.

There is no viable alternative to the recommended Change Order 34 as these unit price items are no longer required.

#### FISCAL IMPACT:

Funds in the amount of \$645,548.46 are available from previously authorized construction contingency. Funding associated with this project may only be used for Aviation projects.

#### **RECOMMENDATION:**

Staff recommends approving Change Order 33 in the amount of \$951,742.25 for the new elevated roadway system and partial demolition of the existing roadway down ramp and Change Order 34 for the reduction of unit price items at the San Antonio International Airport in the amount of \$306,193.79, payable to Archer Western Contractors, Ltd., resulting in a net fiscal impact of \$645,545.46.

This is a construction contract; therefore a Discretionary Disclosure Form is not required

#### ATTACHMENT(S):

File Description File Name

P6P10V2 Attachment I - Change Order History Attachment I - Change Order History 0.pdf

P6P10V2 Change Order 33 AWC FA 33.pdf
P6P10V2 Change Order 34 AWC FA 34.PDF

Voting Results

Ordinance/Supplemental Documents 200809180808.pdf

#### **DEPARTMENT HEAD AUTHORIZATIONS:**

Mark Webb Director Aviation Department

## APPROVED FOR COUNCIL CONSIDERATION:

Penny Postoak Ferguson Assistant City Manager