



MEMO

TO: A. J. Johnson, City Administrator
FROM: Steven Boka, Director of Planning, Zoning & Building Safety
SUBJECT: Change Order #5 for AIP 3-19-0063-13
DATE: March 12, 2009

Attached please find a request to approve Change Order No. 5 for the construction of the parallel taxiway to the crosswind runway at Muscatine Municipal Airport. The attached change order provides an explanation for the request.

By way of background, I thought it might help to provide an additional summary of all change orders that have been approved for this project to date. They are as follows:

Change Order No. 1: The initial change was approved in October of 2007. The change altered the expected completion date from November of 2007 to June of 2008. The change was caused by an FAA funding delay for the project. There was no additional cost related to this change order.

Change Order No. 2: The second change order was approved in December of 2007. This request resulted in an alteration to electrical design that provided airport personnel better control of runway edge lighting and sign illumination. There were several deducts and additions related to the change with a net increase of \$8,287.90 to the contract. The FAA approved this change and agreed to pay for 95% of the increased cost. The local share was 5%, or \$414.39.

Change Order No. 3: The third change order was approved in June of 2008. Once again, this change altered the expected completion date from June 2008 to August of 2008. The change also required finished seeding by September 30, 2008. The request included a comment that the date may be further altered due to wet ground conditions and area flooding. There was no additional cost related to this change order.

Change Order No. 4: The fourth change order as approved in August of 2008. The change altered the completion date from August 2008 to October 2008. The change also required finished seeding in the spring of 2009. The change order provided for a deduct of \$2,360.00 for barrow excavation and an additional cost of \$21,734.49 for trench stabilization rock, resulting in a total net increase to the contract of \$19,374.49. The local share of this change order was 5%, or \$968.72.

Change Order No. 5: The fifth change order is attached and an explanation provided. The request has been reviewed and approved by the FAA. The increased cost for this additional work is \$40,312.96. Based on the local 5% match to this project, the local share for this change order will be \$2,015.65.

Therefore, if approved, the additional cost to the City of Muscatine for all five change orders to this project will be \$3,398.76

CHANGE OR EXTRA WORK ORDER

No. 5

Project No. AIP # 3-19-0063-13 **County** Muscatine

Project Name Muscatine Municipal Airport – Parallel Taxiway to Runway 12/30

Kind of Work Grading, Paving, Lighting **Date Prepared** 2-27-09

Contractor All American Concrete, Inc.

You are hereby ordered to make the following changes from the plans or do the following extra work on your contract dated September 7, 2007.

A. - Description of change to be made or extra work to be done:

Overall change in completion date from November 16, 2007 to October 15, 2008.

B. - Reason for ordering change or extra work:

1. Delayed start date due to delay in federal funding approval.
2. Flooding and extreme wet weather April, May, and June ~~2008~~ ²⁰⁰⁸ ^{SW}.

C - Settlement for cost of work to be made as follows:

Determined at the midpoint of construction based on the difference between the IDOT Price Trend Index for Iowa Highway Construction at the time of bidding and the IDOT Price Trend Index for Iowa Highway Construction at the midpoint of construction with the Engineering News-Record Construction Cost Index for the Midwest used as a supplement as follows:

The Iowa Composite Index for 2007 4th Qtr = 264.2. The Iowa Composite Index for 2008 4th Qtr = 281.3. The increase represented by these two numbers = $281.3/264.2 = 1.06$. As can be seen in the table on attached Exhibit A, this 6% increase has been used for the following items: borrow excavation, unsuitable excavation, dewatering, pipe outlet, granular subbase, and pcc pavement. For other items, such as storm sewer, which potentially included stored materials, a 3% increase to account for labor only has been included (assumed the original total price was approximately half materials/half labor). For items with previously applied for stored materials payment, the percentage labor cost was calculated, and a 5% increase was applied to that labor cost only, per the Engineering News Record Skilled Labor Index: October Index 2008/October Index 2007 = $8103/7718 = 1.05$.

D - Add To Items Included In Contract

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	ADD QUANTITY	ADD AMOUNT
	SEE EXHIBIT A	SEE EXHIBIT A		SEE EXHIBIT A
ADD SUBTOTAL				\$40,312.96

E - Deduct From Items Included In Contract

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	DEDUCT QUANTITY	DEDUCT AMOUNT
	NONE		NONE	NONE
DEDUCT SUBTOTAL				NONE

F - Additional Items To Contract

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	ADD QUANTITY	ADD AMOUNT
	NONE		NONE	NONE
ADDITIONAL SUBTOTAL				NONE

TOTAL ... \$40,312.96

Receipt is acknowledged of this change or extra work and terms of settlement are hereby agreed to. Approved contingent upon funds being available under the existing project agreement or upon Contractor additional funds being made available by a modified project agreement.

2/27/09
Date

James C. DeSto
Engineer

All American Concrete, Inc.
Contractor

By *Jodi Simon*

Date 3-3-09

Approved Date March 19, 2009

By *Richard W. O'Brien*

Resolution # 90726

	ITEM DESCRIPTION	UNIT	QTY	BID UNIT PRICE	BID AMOUNT	C.O. #5 UNIT PRICE	C.O. #5 AMOUNT	NOTES
Schedule A. SITE PREPARATION								
1.	Clearing & Grubbing	L.S.	1	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	No change recommended
2.	Borrow Excavation	C.Y.	18,750	\$4.00	\$75,000.00	\$4.24	\$79,500.00	6% increase per IA Price Index
3.	Unsuitable Excavation	C.Y.	14,220	\$5.50	\$78,210.00	\$5.83	\$82,902.60	6% increase per IA Price Index
4.	Dewatering	L.S.	1	\$15,000.00	\$15,000.00	\$15,900.00	\$15,900.00	6% increase per IA Price Index
5.	Erosion Control	L.S.	1	\$15,000.00	\$15,000.00	\$15,450.00	\$15,450.00	3% increase - labor only
6.	18" Equivalent Arch Class 4 RCP Storm	L.F.	182	\$50.00	\$9,100.00	\$51.50	\$9,373.00	3% increase - labor only
7.	18" Equivalent Arch RCP F.E.S.	Each	4	\$700.00	\$2,800.00	\$721.00	\$2,884.00	3% increase - labor only
8.	Pipe Outlet	Each	2	\$2,000.00	\$4,000.00	\$2,120.00	\$4,240.00	6% increase per IA Price Index
9.	Temporary Seeding	L.S.	1	\$5,000.00	\$5,000.00		\$0.00	item will likely be deleted
10.	Project Sign	Each	1	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	No change recommended
11.	Construction Surveying	L.S.	1	\$8,000.00	\$8,000.00	\$8,160.00	\$8,160.00	2% increase recommended
Subtotal A					\$229,110.00		\$235,409.60	
Schedule B. PAVING, LIGHTING, AND MARKING								
1.	Engineering Fabric	S.Y.	17,063	\$0.75	\$12,797.25	\$0.76	\$12,967.88	32% Labor/5% increase on labor
2.	6" Granular Subbase	S.Y.	17,063	\$7.50	\$127,972.50	\$7.95	\$135,650.85	6% increase per IA Price Index
3.	6" PCC Pavement	S.Y.	14,634	\$26.00	\$380,484.00	\$27.56	\$403,313.04	6% increase per IA Price Index
4.	Pavement Marking	S.F.	7,415	\$1.23	\$9,120.45	\$1.23	\$9,120.45	No change recommended now
5.	4" Subdrain	L.F.	7,190	\$5.00	\$35,950.00	\$5.22	\$37,531.80	86% Labor/5% increase on labor
6.	Subdrain Cleanout	Each	20	\$800.00	\$16,000.00	\$824.00	\$16,480.00	3% increase - labor only
7.	Subdrain Outlet & Rodent Guard	Each	2	\$200.00	\$400.00	\$206.00	\$412.00	3% increase - labor only
8.	Seeding	L.S.	1	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	No change recommended now
9.	TW Edge Lights & Base	Each	50	\$1,350.00	\$67,500.00	\$1,350.00	\$67,500.00	76% Labor - No change now
10.	Remove & Salvage TW Edge Lights & Base	Each	6	\$1,200.00	\$7,200.00	\$1,260.00	\$7,560.00	5% increase (all labor)
11.	Relocate TW Edge Light	Each	1	\$1,200.00	\$1,200.00	\$1,260.00	\$1,260.00	5% increase (all labor)
12.	Taxiway Sign	Each	5	\$2,100.00	\$10,500.00	\$2,100.00	\$10,500.00	No change recommended now
13.	Trenching	L.F.	16,121	\$0.30	\$4,836.30	\$0.30	\$4,836.30	No change recommended now
14.	U.G. Cable Installed in Trench	L.F.	10,345	\$0.40	\$4,138.00	\$0.40	\$4,138.00	No change recommended now
15.	Bare Counterpoise Installed in Trench	L.F.	8,621	\$0.40	\$3,448.40	\$0.40	\$3,448.40	No change recommended now
16.	4-Way Electrical Duct	L.F.	91	\$40.00	\$3,640.00	\$41.20	\$3,749.20	3% increase - labor only
17.	U.G. Cable Installed in Duct	L.F.	853	\$3.85	\$3,284.05	\$3.85	\$3,284.05	No change recommended now
18.	Bare Counterpoise Installed in Duct	L.F.	711	\$3.85	\$2,737.35	\$3.85	\$2,737.35	No change recommended now
19.	7.5 kW Regulator	L.S.	1	\$15,598.00	\$15,598.00	\$16,050.34	\$16,050.34	58% Labor/5% increase on labor
20.	Construction Surveying	L.S.	1	\$14,000.00	\$14,000.00	\$14,280.00	\$14,280.00	2% increase recommended
21.	2 pole 40A Circuit Breaker	Each	1	\$305.80	\$305.80	\$305.80	\$305.80	No change recommended now
Subtotal B					\$726,112.10		\$760,125.46	
TOTAL					\$955,222.10		\$995,535.06	