



# City of Muscatine

ITEM NUMBER 2022-0412

## AGENDA ITEM SUMMARY

DATE: 10/20/2022

### STAFF

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Jodi Royal-Goodwin, Community Development Director

### SUBJECT

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Request to Approve of Change Order #1 for the Taxilane Widening Project

### EXECUTIVE SUMMARY

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Presented for Council's consideration is a request to approve change order #1 to the contract with Heuer Construction, Inc. for \$5,139.45 to widen a portion of the taxilane at the Muscatine Municipal Airport.

### STAFF RECOMMENDATION

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Staff recommends Council approve change order #1 for the taxilane widening project with Heuer Construction, Inc. for an increase of \$5,139.45.

### BACKGROUND/DISCUSSION

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In 2020, the construction of 3 box hangars was completed at the Muscatine Municipal Airport with Iowa Department of Transportation (IDOT) funding. However, the offset of the taxilane center line should be 57.5 feet from any obstructions, but the current taxiway width passing the east most hangar is just 50 feet. Widening the taxiway will be necessary to accommodate larger aircraft in the new large hangar.

The Airport Commission requested an application for this project be submitted, and Bolton & Menk prepared an application as part of the professional services agreement. All IDOT vertical infrastructure grant applications require a 15% local match. The total cost of the proposed project was \$151,700. The grant would cover \$128,945 and a required local share of \$22,755. Council accepted the IDOT grant at their September 16, 2021 meeting.

Bolton & Menk has designed the project and prepared plans and specifications, along with a revised cost estimate, to let the project for bid. The cost estimate was \$160,791. The IDOT grant is \$128,945, requiring \$31,846 in local funding. There is approximately \$26,000 in bond proceeds remaining from the hangar construction project that can be used for this purpose. Below is a summary of contracting activities for this to date.

Set a public hearing for April 7, 2022	March 17, 2022
Conduct Public Hearing	April 7, 2022
Approve Plans and Specifications	April 7, 2022
Receive and Open Bids	April 21, 2022
Recommend Award	April 25, 2022
Request Approval of Contract and Bond	May 5, 2022

The contract with Heuer Construction, Inc. is for \$170,112.00. Change order #1 increases the contract by \$5,139.45 to \$175,251.45. The primary reason for the change order is the need to purchase an alternative base material. The plan had been to reuse the material from the taxiway project. Unfortunately, it was contaminated with dirt and base rock had to be moved from off-site, and an additional cost of \$11,700. Fortunately, this was savings from other quantity reductions reduced this by more than 50%.

#### **CITY FINANCIAL IMPACT**

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There will be no impact to the general fund. Any costs not covered by the IDOT grant or previous bond will be included in the 2024 bond issue.

#### **ATTACHMENTS**

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1. 2022-10-11 - CO # 1 - Final - Signed by Heuer and CLB (1)

## CHANGE ORDER

No. 001

PROJECT: Muscatine Municipal Airport - Widen Taxi Lane

DATE OF ISSUANCE: October 11, 2022

EFFECTIVE DATE: October 11, 2022

OWNER: City of Muscatine

ENGINEER'S PROJECT NO.: OT5.125431

CONTRACTOR: Heuer Construction, Inc.

ENGINEER: Bolton & Menk, Inc

FAA AIP: N/A

IDOT Project No. 9I220MUT100

You are directed to make the following changes in the Contract Documents.

**Description:**

Reconciliation of Quantities from "As-Bid" to "As-Built" – See Attached Spreadsheet/Summary

**Reason for Change Order:**

Final payment is based on actual work completed and minor adjustments of quantities occur during construction. This change order adjusts the contract value to match that of the actual work constructed by adjusting original estimated "as-bid" quantities to actual final "as-built" quantities.

**Attachments (List of Documents Supporting Change):**

- 1 - Change Order #1 Supporting Document


CHANGES IN CONTRACT PRICE:	CHANGES IN CONTRACT TIMES:
Original Contract Price \$ <b>170,112.00</b>	Original Contract Times Substantial Completion: <u>20</u> days or dates Ready for final payment: _____ days or dates
Net Changes from C.O. No. <u>N/A</u> to No. <u>N/A</u> \$ -	Net changes from C. O.'s No. <u>N/A</u> to No. <u>N/A</u> <u>0</u> days
Contract Price Prior to this Change Order \$ <b>170,112.00</b>	Contract Times Prior to this Change Order Substantial Completion: <u>20</u> days or dates Ready for final payment: _____ days or dates
Net Increase of this Change Order \$ <b>5,139.45</b>	Net Increase/Decrease _____ of this Change Order <u>0</u> days
Contract Price with all approved Change Orders \$ <b>175,251.45</b>	Contract Times will all approved Change Orders Substantial Completion: <u>20</u> days or dates Ready for final payment: _____ days or dates

RECOMMENDED:

By:   
 By: Carl L. Byers, P.E.  
 Engineer (Authorized Signature)

Date: 10/11/2022

APPROVED:

By:   
 By: Dr. Brad Bark (Oct 24, 2022 16:36 CDT)  
 Owner (Authorized Signature)

Date: Oct 24, 2022

ACCEPTED:

By:   
 By: \_\_\_\_\_  
 Contractor (Authorized Signature)

Date: 10-11-22

**Change Order No. 1**

**Reconciliation of Final Quantities**

**Muscatine Municipal Airport - Widen Taxilane**

ENGINEER'S PROJECT NO.: 0T5.125431

FAA AIP: N/A

IDOT Project No. 9I220MUT100

Item No.	Description	Previous Bid / C. O. Quantity	Unit	Unit Price	Previous Bid / Chg. Order Cost	Final Quantity	Final Cost	Quantity Change	Cost Change
<b>BASE BID</b>									
3 .	SUBGRADE PREPARATION	1500	SY	\$ 2.20	\$ 3,300.00	1,491.00	\$ 3,280.20	(9.00)	\$ (19.80)
4 .	SUBBASE, MODIFIED, 6" (ON SITE)	1000	SY	\$ 3.00	\$ 3,000.00	0.00	\$ -	(1,000.00)	\$ (3,000.00)
5 .	SUBBASE, MODIFIED, 6" (PROVIDED BY CONTRACTOR)	500	SY	\$ 11.25	\$ 5,625.00	1,540.00	\$ 17,325.00	1,040.00	\$ 11,700.00
9 .	REMOVAL OF STORM SEWER, LESS THAN 36"	250	LF	\$ 5.00	\$ 1,250.00	195.00	\$ 975.00	(55.00)	\$ (275.00)
13 .	MANHOLE ADJUSTMENT, MINOR	2	EA	\$ 500.00	\$ 1,000.00	1.00	\$ 500.00	(1.00)	\$ (500.00)
16 .	PAVEMENT, PCC, 6"	1500	SY	\$ 54.95	\$ 82,425.00	1,455.00	\$ 79,952.25	(45.00)	\$ (2,472.75)
17 .	PAVEMENT REMOVAL	320	SY	\$ 10.00	\$ 3,200.00	315.00	\$ 3,150.00	(5.00)	\$ (50.00)
18 .	ENGINEERING FABRIC	1500	SY	\$ 2.00	\$ 3,000.00	1,491.00	\$ 2,982.00	(9.00)	\$ (18.00)
20 .	SILT FENCE OR SILT FENCE DITCH CHECK	500	LF	\$ 2.00	\$ 1,000.00	705.00	\$ 1,410.00	205.00	\$ 410.00
21 .	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF SEDIMENT	500	LF	\$ 0.50	\$ 250.00	0.00	\$ -	(500.00)	\$ (250.00)
22 .	SILT FENCE OR SILT FENCE DITCH CHECK, REMOVAL OF DEVICE	500	LF	\$ 1.00	\$ 500.00	705.00	\$ 705.00	205.00	\$ 205.00
25 .	PAVEMENT MARKING, SOLID YELLOW, WITH BEADS	300	SF	\$ 11.00	\$ 3,300.00	250.00	\$ 2,750.00	(50.00)	\$ (550.00)
26 .	PAVEMENT MARKING, BLACK OUTLINE, NO BEADS	600	SF	\$ 8.00	\$ 4,800.00	595.00	\$ 4,760.00	(5.00)	\$ (40.00)
<b>TOTAL - CHANGE ORDER NO. 1</b>					<b>\$ 112,650.00</b>		<b>\$ 117,789.45</b>		<b>\$ 5,139.45</b>