

## COMMUNITY DEVELOPMENT

### MEMORANDUM

Planning,  
Zoning,  
Building Safety,  
Construction Inspection Services,  
Public Health,  
Housing Inspections,  
Code Enforcement

**To:** Mayor and City Council Members

**Cc:** Gregg Mandsager, City Administrator  
Dave Gobin, Community Development Director

**From:** Adam Thompson, Community Development Coordinator

**Date:** May 1, 2016

**Re:** Airport Electrical Upgrade Project - IDOT Project No. 9I160MUT100 –  
Request to approve change order #2.

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**Introduction & Background:** The City of Muscatine received funding from the Iowa DOT to upgrade airport runway electrical. The City of Muscatine continues to utilize Anderson-Bogert Engineers & Surveyors, Inc, for design and consultant services at the Muscatine Municipal Airport. On November 19, 2015, City Council approved plans, specifications, form of contract, cost estimate and established December 10, 2015 as the bid opening date. One bid was received from Voltmer, Inc.

The grant award allocated \$60,000 for construction. The bid from Voltmer was for \$39,269, below the engineers estimate by \$20,731. City staff worked with the Engineer and Voltmer to identify additional work items to be completed in an attempt to use the full grant award. A change order #1 was approved by the City Council in the amount of \$11,715 to complete additional improvements. That left \$9,016 as a buffer for any cost overruns or additional change orders.

Change order #1 work items have been completed as well as the testing. Based on the testing Voltmer did not complete items 3, 7, and 8 from Change Order #1 and those are included in change order #2 as a deductive amount of \$4,100. Based on the testing Voltmer is recommending the replacement of 21 transformers and 21 connectors totaling \$9,450.00

Project total is as follows:

Grant Funds Available	\$60,000
Contract Amount	\$39,269
Change Order #1	\$11,715
Deduct from Change Order #1	(\$4,100)
Change Order #2	\$9,450
<b>Total Project Cost</b>	<b>\$56,334</b>
<b>Amount Remaining</b>	<b>\$3,666</b>

Please see the attached charge order to review the additional work items and the justification for the additional improvements. The improvements will all be completed concurrent with the Runway Reconstruction project on April 18<sup>th</sup>.

**RECOMMENDATION/RATIONALE:** It is recommended that City Council approve change order #2 related to the airport electrical upgrade project.

1. Change Order #2

ANDERSON-BOGERT  
 Engineers & Surveyors, Inc.  
 4001 River Ridge Drive NE  
 Cedar Rapids, IA 52402

**CHANGE OR EXTRA WORK ORDER**

No. 2

**Project No.** 91160MUT100 **County** Muscatine  
**Project Name** Muscatine Municipal Airport – Upgrade Airport Electrical System  
**Kind of Work** Electrical **Date Prepared** 4-12-2016  
**Contractor** Voltmer Inc.

You are hereby ordered to make the following changes from the plans or do the following extra work on your contract dated December 17, 2015.

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

1. Replace 21 Transformers
2. Replace 21 Connectors
3. Do not provide/install Buck Boost Transformer

**B. - Reason for ordering change or extra work:**

1 & 2. Replace Transformers and Connectors - each Runway 12/30 sign and edge light assembly contain a transformer and connector kit. 21 defective transformers and connectors that were identified during the testing phase will be replaced.

3. Since no voltage drop was identified during testing, do not provide/install Buck Boost Transformer.

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

Item 1 (Replace 21 Transformers) - at \$300/each (unit price established with Change Order #1)

Item 2 (Replace 21 Connectors) - at \$150/each (unit price established with Change Order #1)

Item 3 (Do not Provide/Install Buck Boost Transformer) - Deduct \$600.00 (price established with Change Order #1)

**D - Quantities for Items Included In Change Order #1**

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	ADD QUANTITY	ADD AMOUNT
1.	REMOVE AND REPLACE TRANSFORMER	\$300.00/EACH	21	\$6,300.00
2.	REMOVE AND REPLACE CONNECTOR	\$150.00/EACH	21	\$3,150.00
			SUBTOTAL	\$9,450.00



**E - Deduct From Change Order #1**

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	DEDUCT QUANTITY	DEDUCT AMOUNT
3.	PROVIDE/INSTALL BUCK BOOST TRANSFORMER	\$600.00	\$600.00	\$600.00
7. & 8.	NOT-TO-EXCEED SUBTOTAL FOR TRANSFORMERS AND CONNECTORS	\$3,500.00	\$3,500.00	\$3,500.00
DEDUCT SUBTOTAL				\$4,100.00

**F - Additional Items To Contract**

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	ADD QUANTITY	ADD AMOUNT
	NONE			0
SUBTOTAL				0

TOTAL = \$5,350.00

The Contractor shall complete the project by July 15, 2016.

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.

4/20/16                      James C. DeCato  
 Date                                      Engineer

Voltmer, Inc.   
 Contractor

By Gerard Voltmer  
 Date 4/22/16

Approved Date \_\_\_\_\_

By \_\_\_\_\_

Resolution # \_\_\_\_\_