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COMMUNITY DEVELOPMENT

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

**MEMORANDUM**

**To:** Mayor and City Council Members  
**Cc:** Gregg Mandsager, City Administrator  
**From:** Steven Boka, Director of Community Development  
**Date:** November 14, 2011  
**Re:** Rehabilitate Runway Lighting – Change Order #2

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**INTRODUCTION:** On August 18, 2011, The City Council authorized the Mayor and City Clerk to enter into a grant agreement with the FAA for the installation of new lighting conductors in protected conduit for the primary runway and the parallel taxiway serving that runway. The agreement provided \$346,251.00 in federal funding that represents 95% of the anticipated cost for the improvements. The City was required to provide 5% of the total project funding as a local match.

**BACKGROUND:** The City subsequently awarded the contract for the work to Kimrey Electric in the amount of \$325,005.30. On September 1, 2011, the City Council approved a \$13,996.00 reduction in the original contract price through the approval of Change Order No. 1. As the project nears completion, it is necessary to offer Change Order No. 2 for City Council consideration. If approved, the change order would increase the contract by \$7,360.80 to \$318,370.10, or \$6,635.20 less than the original contract amount.

**RECOMMENDATION/RATIONALE:** The project engineer has included a spreadsheet identifying the cost associated with the change order. It is recommended that City Council approve Change Order No. 2 for the project entitled "Rehabilitate Runway Lighting" at the Muscatine Municipal Airport during their November 17, 2011 City Council meeting.

**BACKUP INFORMATION:**

1. Change Order No. 2

**D - Add To Items Included In Contract**

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	ADD QUANTITY	ADD AMOUNT
E2	L-830 Transformers (1 mod 45 watt for signs)	\$110.00/Each	5 Each	\$550.00
E4	Remove & Salvage Existing Transformers	\$40.00/Each	18 Each	\$720.00
ADD SUBTOTAL				\$1,270.00

**E - Deduct From Items Included In Contract**

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	DEDUCT QUANTITY	DEDUCT AMOUNT
A8	Precast Polymer Concrete Handhole	\$3,000.00/Each	2 Each	\$6,000.00
B7	Precast Polymer Concrete Handhole	\$3,000.00/Each	3 Each	\$9,000.00
DEDUCT SUBTOTAL				\$15,000.00

**F - Additional Items To Contract**

ITEM NO.	ITEM DESCRIPTION	UNIT PRICE	ADD QUANTITY	ADD AMOUNT
A15	Additional Traffic Control	\$1,800.00	1 LS	\$1,800.00
A16	#10 (USE) Control Cable Installed In Duct	\$0.80/LF	4,082 LF	\$3,655.80
A17	L-115 Base Can Plaza (L-867D)	\$3,000.00/Each	2 Each	\$6,000.00
B11	L-115 Base Can Plaza (L-867D)	\$3,000.00/Each	2 Each	\$6,000.00
E5	L-830 Sign Transformers - 2 mod 100 watt	\$245.00/Each	8 Each	\$1,960.00
E6	L-830 Sign Transformers - 3 mod 200 watt	\$315.00/Each	5 Each	\$1,575.00
ADDITIONAL SUBTOTAL				\$21,080.80

TOTAL ... \$7,350.80

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.

Kimrey Electric

11/9/11 Date James C. DeCosta Engineer

By Deann Kimrey Contractor  
Date 11-8-2011

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

By \_\_\_\_\_

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

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

**CHANGE OR EXTRA WORK ORDER**No. 2

**Project No.** AIP # 3-19-0063-15 **County** Muscatine  
**Project Name** Muscatine Municipal Airport – Rehabilitate Runway Lighting  
**Kind of Work** Lighting **Date Prepared** 9-14-11  
**Contractor** Kimrey Electric

You are hereby ordered to make the following changes from the plans or do the following extra work on your contract dated September 1, 2011.

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

- Additional traffic control
- Add #10 control wire replacement to home run for crosswind PAPI's & REIL's
- Switch precast polymer concrete handholes to base can plazas
- Add sign transformer replacement

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

- Additional Traffic Control - To keep the runway open while the taxiway is closed.
- #10 Control Wire - Contractor will be unable to avoid replacement of this wire, since it is directly adjacent to the wiring being replaced. And it is logical to include the control wire in the new conduit, so that all home run wiring is in conduit.
- Base Can Plaza - Research shows the base can plazas are now the preferred alternative to the precast polymer concrete handholes at airports, in general, since they allow for easy separation of different class voltages. The base can plazas were briefly considered prior to the bid, but not in time to be included in the bid. After the bid, it was found that rodents were getting into some of the openings in the existing precast polymer concrete handholes. Due to the preceding reasons, the switch from the polymer concrete handholes to the base can plazas is planned to be made.
- Sign Transformers - For continuity, these transformers will be added, so that all transformers in the main runway and parallel and connecting taxiway circuits will be of the same age/condition.

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

Additional Traffic Control - Add \$1,900 for additional trip to airport by traffic control subcontractor.  
#10 Control Wire - \$0.90 per linear foot.  
Switch Precast Polymer Concrete Handhole to Base Can Plaza - No change in unit price.  
Sign Transformers - 2 mod/100 watt at \$245 per each; 3 mod/200 watt at \$315 per each.