

**Public Works**

City Transit  
263-8152

**MEMORANDUM**

**Equipment Maintenance**  
**Roadway Maintenance**  
**Collection & Drainage**  
**Building & Grounds**  
**Engineering**

To: Randy Hill, Public Works Director  
FROM: Jon Lutz, City Engineer  
DATE: Nov 18, 2013  
RE: Logan Culvert Extensions  
Change Order 1

**INTRODUCTION:**

The City of Muscatine contracted with Hagerty Earthworks for the amount of \$53,457.00 for the Logan Culvert Extension Project.

**BACKGROUND:**

Additional work outside the IDOT contract is necessary along Cedar Street across from Stonebrook to extend an existing 8' x 8' box culvert. These costs were budgeted in the overall Cedar Street Project. Originally the design was to increase the existing headwall height and length for approximately \$15,000. Other items such as revetment stone \$25,000 and a guardrail \$15,000 would be required with the original option.

The contractor for the Logan Culvert Extension has submitted a change order proposal to extend the Cedar box culvert for the amount of not to exceed \$39,323.00. Only a small amount of revetment stone and no guardrail will be required with the change order 1 culvert extension option. Therefore, it is actually less expensive to extend the culvert than to modify the headwall.

Change order 1 will increase the contact price by not to exceed \$39,323.00 bringing the total contract price to \$92,780.00.

**RECOMMENDATION/RATIONALE:**

The City Engineer recommends approving change order 1.

**ATTACHMENTS:**  
Change order 1

# HAGERTY EARTHWORKS, LLC

John Hagerty

To: City of Muscatine

RE: Logan Culvert Extension Project

Proposal to extend culvert on Cedar Street

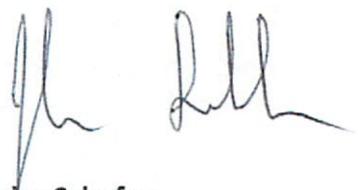
Precast concrete box culvert 8'x8' 6' section 42ft@ \$581.50/ft = \$24,423.00

Fabricate and cast in place bend on connection LS = \$6,500.00

Handling and installation of boxes 42ft@ \$200.00/ft = \$8,400.00

Rip Rap at contract price

Total	\$39,323.00
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John Schafer