

---

## MEMORANDUM

---

**TO:** RANDY HILL, PUBLIC WORKS DIRECTOR  
**FROM:** JON LUTZ, CITY ENGINEER  
**SUBJECT:** CLAY STREET BRIDGE IMPROVEMENTS PROJECT  
**DATE:** NOVEMBER 29, 2010

---

**Introduction:**

Work has been completed on the Clay Street Bridge Improvement Project.

**Background information:**

During the Clay Street Reconstruction Project in 2009 the Clay Street bridge deck was found to be deteriorated. Subsequently, an 8 ton weight limit was posted on the bridge. Clay Street is a truck route and carries other heavy traffic including city maintenance vehicles. Immediate repair was warranted to serve local business on Clay Street. Shoemaker & Haaland prepared construction plans and specifications. The schedule was as follows:

1. June 10, 2010 receive bids.
2. July 1, 2010 approve contract to Hy-Brand Industrial Contractors for \$340,450.53.
3. July 7, 2010 preconstruction conference.
4. July 22, 2010 begin bridge deck demolition.
5. November 3, 2010 open to traffic.

Work on this project included removal and replacement of bridge deck, approach paving, barrier wall and hand railing. A 16" water main hanging under the bridge was also removed and replaced. No change orders were required. Final inspection by Shoemaker & Haaland, Hy-Brand and myself was conducted on November 12<sup>th</sup>, 2010. No punch-list items remained after the meeting. No defects or contract omissions were noted.

**Recommendation:**

It is my recommendation that the City of Muscatine accept this bridge repair project as completed and constructed in conformance with the plans and specifications.

**Supporting documents:**

Shoemaker & Haaland final inspection letter dated November 17, 2010.  
Pay application #4 dated November 20, 2010 showing contract of \$340,450.53, payments to date of \$275,197.58, current due of \$48,230.43, and 5% retainage of \$17,022.53.

**RESOLUTION NO. \_\_\_\_\_**

**RESOLUTION ACCEPTING COMPLETED WORK FOR THE  
CLAY STREET BRIDGE IMPROVEMENTS  
AND AUTHORIZING FINAL PAYMENT**

WHEREAS, the City of Muscatine approved the Plans, Specifications, and Form of Contract for the Clay Street Bridge Improvements project; and

WHEREAS, the City of Muscatine entered into a contract for said project with Hy-Brand Industrial Contractors for \$340,450.53 with no change orders, for a total contract amount of \$340,450.53; and

WHEREAS, all work under the contract has been completed by Hy-Brand Industrial Contractors and approved and accepted by the City Engineer and appears to meet the requirements of the Plans and Specifications heretofore adopted by this Council; and

WHEREAS, the amount of \$275,197.57 has been previously paid to Hy-Brand Industrial Contractors and a balance of \$65,252.96 including 5% retainage remains due and payable;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MUSCATINE, that the City of Muscatine make immediate payment of \$48,230.43 to Hy-Brand Industrial Contractors for completed and accepted work under the Clay Street Bridge Improvements project; and thereafter make an additional payment of \$17,022.53 which represents the 5% retainage thirty (30) days from the date of this acceptance.

PASSED, APPROVED, ADOPTED THIS 2<sup>nd</sup> DAY OF DECEMBER, 2010.

CITY COUNCIL OF THE CITY OF MUSCATINE, IOWA

BY: \_\_\_\_\_  
Richard W. O'Brien, Mayor

ATTEST:

---

Gregg Mandsager, City Administrator



**Shoemaker & Haaland**

Engineering • Landscape Architecture • Surveying

November 17, 2010

Mr. Jon Lutz, P.E.  
City Engineer  
Public Works Department  
1459 Washington Street  
Muscatine, IA 52761-5040

Re: Clay Street Bridge Improvements

Dear Jon:

Final inspection of the Clay Street Bridge project was conducted on November 12th. Attending this meeting were Randy Sackville and Mike Thurman of HyBrand Industrial Contractors, Bob Bang and Jim Leighton of Shoemaker & Haaland, and yourself.

The bridge was open to traffic and performing as intended with the following items noted:

- 1.) Sidewalk along the south right of way on both ends of the bridge was uncompleted. Replacement should be scheduled as soon as possible by Alliant Energy.
- 2.) Some uneven shadowing was evident in the barrier rail surfaces. The concrete mix design and installation method can cause the initial appearance of the barrier walls to be darker in color than standard mixes. This is expected to even out as the structure naturally cures and surfaces are affected by weathering.
- 3.) Remaining submissions for project closeout and council calendar were discussed with contractor. Hy-Brand will be preparing these documents during this week.

In summary: no defects or contract omissions by the contractor were noted in the walkthrough for work completed, so it is our recommendation that the city accept this project as completed and constructed in conformance with the plans and specifications.

We will coordinate with the contractor to complete the closeout of this successful project.

Sincerely,

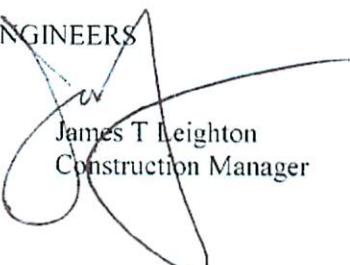
  
SHOEMAKER & HAALAND PROFESSIONAL ENGINEERS  
Bob Bang, PE  
Project Manager

cc: Randy Sackville

JTL:bak  
9240.01

160 Holiday Road  
Coralville, Iowa 52241  
Phone: 319.351.7150

3343 Southgate Ct. SW, Ste. 109  
Cedar Rapids, Iowa 52404  
Phone: 319.286.8888

  
James T. Leighton  
Construction Manager

2021 Main Street  
Keokuk, Iowa 52632  
Phone: 319.524.2883