

---

**MEMORANDUM**

---

TO: RANDY HILL, PUBLIC WORKS DIRECTOR  
FROM: JON LUTZ, CITY ENGINEER  
SUBJECT: PAPOOSE CREEK TRASH RACK STRUCTURE  
DATE: January 13, 2011

---

**INTRODUCTION:**

Construction of the Papoose Creek Trash Rack Structure was completed by Muscatine Bridge Co. on December 1, 2010 substantially according to the plans and specifications.

**BACKGROUND:**

The original contract amount was \$107,744.00 based on estimated project quantities. The concrete paved access adjacent to the structure was decreased from 20' to 15' adjusting the actual 7" PCC quantity from 574 SY to 555 SY. Additional excavation was required to remove saturated unsuitable soil where groundwater flowed from the bank. This area was backfilled with 4" ballast stone at the same unit price as 1" ballast stone increasing the quantity from 75 to 135.05 tons. No additional cost was requested for unsuitable soil removal. The structural concrete required 43.5 CY versus the estimated 41.5 CY. The chain link fence distance decreased from 60 to 53 feet. An additional 2 working days were charged beyond the project completion date at \$500 per day. The above modifications result in a final project cost of \$109,108.85.

City staff will be working with FEMA representatives to determine the final FEMA reimbursement amount.

**RECOMMENDATION:**

I recommend the City accept the completed project for \$109,108.85 and make a current payment of \$103,653.41 with 5% retainage of \$5,455.44 due 1 month thereafter.

**BACKUP INFORMATION:**

1. Final Pay Estimate

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

**RESOLUTION ACCEPTING COMPLETED WORK FOR THE  
PAPOOSE CREEK TRASH STRUCTURE  
AND AUTHORIZING FINAL PAYMENT**

WHEREAS, the City of Muscatine approved the Plans, Specifications, and Form of Contract for the Papoose Creek Trash Structure project; and

WHEREAS, the City of Muscatine entered into a contract for said project with Muscatine Bridge Co. for \$107,744 with additional work for a total contract price of \$109,108.85; and

WHEREAS, all work under the contract has been completed by Muscatine Bridge Co. 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 \$-0- has been previously paid to Muscatine Bridge Co. and a balance of \$109,108.85 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 \$103,653.41 to Muscatine Bridge Co. for completed and accepted work under the Papoose Creek Trash Structure project; and thereafter make an additional payment of \$5,455.44 which represents the 5% retainage thirty (30) days from the date of this acceptance.

PASSED, APPROVED, ADOPTED THIS 20<sup>th</sup> DAY OF JANUARY, 2011.

CITY COUNCIL OF THE CITY OF MUSCATINE, IOWA

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

ATTEST:

\_\_\_\_\_  
Gregg Mandsager, City Administrator

**Final Pay Estimate**

Papoose Creek Trash Rack Structure

Muscatine, Iowa

January 12, 2011

#	ITEM	CONTRACT	ACTUAL	UNIT	Muscatine Bridge Co.		
		QTY	QTY		PRICE/UNIT	CONTRACT	ACTUAL
1	Clear & Grub	1	1	LS	\$2,000.00	\$2,000.00	\$2,000.00
2	Grading & excavation	1	1	LS	\$2,650.00	\$2,650.00	\$2,650.00
3	7" PCC	574	555	SY	\$48.00	\$27,552.00	\$26,640.00
4	Asphalt millings place only	650	650	SY	\$4.00	\$2,600.00	\$2,600.00
5	1" ballast stone	75	135.05	TONS	\$27.00	\$2,025.00	\$3,646.35
6	Structural concrete	41.4	43.5	CY	\$930.00	\$38,502.00	\$40,455.00
7	Galvanized steel trash racks	1	1	LS	\$10,200.00	\$10,200.00	\$10,200.00
8	8' steel gate	1	1	EA	\$715.00	\$715.00	\$715.00
9	Chain link fence 4' ht	60	53	LF	\$42.50	\$2,550.00	\$2,252.50
10	Mobilization	1	1	LS	\$18,950.00	\$18,950.00	\$18,950.00
<b>SUBTOTAL</b>						<b>\$107,744.00</b>	<b>\$110,108.85</b>
Working Days Beyond Nov 12		2		DAY	-\$500.00		-\$1,000.00
<b>TOTAL</b>						<b>\$109,108.85</b>	
CONTRACTOR _____						<b>Retainage</b>	<b>\$5,455.44</b>
CITY ENGINEER _____						<b>Payment Due</b>	<b>\$103,653.41</b>