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Public Works

City Transit
263-8152

MEMORANDUM

Equipment Maintenance
Roadway Maintenance
Collection & Drainage
Building & Grounds
Engineering

To: Gregg Mandsager, City Administrator
CC: Fran Donelson, Secretary
FROM: Randy Hill, Public Works Director
DATE: October 31, 2011
RE: Resolution – 2011 Street Improvements Project

INTRODUCTION:

The City of Muscatine entered into the 2011 Street Improvements Project with Illowa Investments Inc. on June 2, 2011 for Asphalt Overlay upgrades to several Muscatine roads.

BACKGROUND:

The City of Muscatine annually overlays city streets with Hot Mix Asphalt as part of a resurfacing maintenance program. This is an extension of the three year, \$5 million roadway improvement program undertaken and completed several years ago. The plan is to expend \$500K - \$700K each year in order to maintain our existing roads at a Pavement Condition Index (PCI) of 60 or greater. The funds for this work come from an allocation of the One Cent Local Option Tax.

RECOMMENDATION/RATIONALE:

In 2011 eight streets (1.5 miles) and one trail segment were completed. The project came in \$28,911.26 below the contract price because of minimal manhole improvements required; recycled asphalt used; credit for providing the contractor with additional millings; and conservative engineering estimates. Public Works staff recommends approval of the resolution accepting the completed work and authorizing final payment.

BACKUP INFORMATION:

1. TECH CONSULTING LLC (Jim Harder) memo
- 2.
- 3.

**"I remember Muscatine for its sunsets. I have never seen any
on either side of the ocean that equaled them" — Mark Twain**

TECH CONSULTING LLC

2302 Imperial Oaks

Muscatine, IA 52761

Ph. & Fax 563-263-0284 Cell 563-299-3904

jhhard@machlink.com

Ref.: 2011 Street Asphalt Overlay Program

10/31/11

To: Randy Hill

Illowa has completed the work and it has been accepted for the 2011 Asphalt Overlay Project. The \$21,124.91 retainage can be released. The project ended up \$28,911.26 below the \$451,409.61 approved, for a total of \$422,498.35.

The under run is attributable to several factors:

- * The number of manholes requiring adjustment was less than estimated (\$18,000 savings).
- * Recycled asphalt was used for both the base and surface coarses, previously only used for base coarse (\$3,600 savings).
- * The millings from Mulberry Avenue were given to Illowa, thus reducing the milling cost (\$3,500 savings).
- * Other savings can be credited to conservative engineering estimating and not wanting the project to exceed the estimated amount.

The project used over 4,500 tons of asphalt, (1.5 miles of streets approx.) and rebuilt 7 manholes.

Below please find a list of the streets worked on this summer. If I can be of further help, please let me know.

Thank You,
Jim Harder

c/c: Randy Howell
Henry Tober
Jon Lutz
Connie Mann

4TH STREET Park Ave. - Fairview
7TH STREET Popular - Cypress
10TH STREET Chestnut - Iowa Ave.

HIGHLAND COURT Dawson - Dawson
LAUREL STREET Park Ave. - Fairview
MONROE STREET Park Ave. - Dead End

MULBERRY AVENUE 2 nd St. - 8 th St.
YOUNG AVENUE Parham - Hospital
MUSSER PARK Trail

RESOLUTION NO. _____

**RESOLUTION ACCEPTING COMPLETED WORK PERFORMED UNDER
2011 STREET IMPROVEMENTS PROJECT
AND AUTHORIZING FINAL PAYMENT**

WHEREAS, the City of Muscatine approved the Plans, Specifications, and Form of Contract for the 2011 Street Improvements Project; and

WHEREAS, the City of Muscatine entered into a contract for said project with Illowa Investment, Inc. for \$451,409.61 with no change orders, for a total contract amount of \$422,498.35; and

WHEREAS, all work under the contract has been completed by Illowa Investment, Inc. and approved and accepted by the Public Works Department and appears to meet the requirements of the Plans and Specifications heretofore adopted by this Council; and

WHEREAS, the amount of \$401,373.44 has been previously paid to Illowa Investment, Inc. and a balance of \$21,124.91 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 \$-0- to Illowa Investment, Inc. for completed and accepted work under the 2011 Street Improvements Project thereafter make an additional payment of \$21,124.91 which represents the 5% retainage thirty (30) days from the date of this acceptance.

PASSED, APPROVED, ADOPTED THIS 3rd DAY OF NOVEMBER, 2011.

CITY COUNCIL OF THE CITY OF MUSCATINE, IOWA

BY: _____
Richard W. O'Brien, Mayor

ATTEST:

Gregg Mandsager, City Administrator