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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: May 18, 2015  
RE: Accepting the Completed Work on Forest Parkway Reconstruction Project

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INTRODUCTION:

The City of Muscatine has contracted with Heuer Construction for the reconstruction of Forest Parkway and Long Meadow Lane. Forest Parkway was identified as having one of the lowest pavement condition index ratings in the City.

BACKGROUND:

Deterioration of Forest Parkway and Long Meadow Lane has progressed beyond the ability to correct with an asphalt overlay. Design for this project primarily included concrete pavement and subgrade removal and replacement. The original contract amount was \$163,526.34.

RECOMMENDATION/RATIONALE:

The reconstruction of Forest Parkway and Long Meadow Lane has been completed. During the construction process three change orders were approved by the City Council in the amount of \$15,065.44. An additional \$6,233.01 in quantity adjustments for subdrains, driveway removal and replacement and sod was needed resulting in a final cost of \$184,824.79.

Public Works staff recommends approval and acceptance of the completed work for the Forest Parkway Reconstruction Project.

BACKUP INFORMATION:

1. Memo from Steve Dalbey dated May 14, 2015
- 2.
- 3.

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

May 14, 2015

To: Randy Hill, Public Works Director  
Jim Edgmond, City Engineer

From: Steve Dalbey, Construction Inspector

Subject: Forest Parkway Reconstruction Project Closeout

With the recent sod work having been finished up, the work on the Forest Parkway Reconstruction Project is complete and the project can be closed out. During the course of the construction three (3) situations arose that required change orders. The first was for the placement of a plastic grid material to address the problem of very wet subsoil that was found under the pavement on Forest Parkway and Long Meadow Lane. It was likely that all of the subsurface moisture going through repeated freeze-thaw cycles over the years was what caused the existing concrete to fail. The grid material along with the placement of additional subdrains will help to keep the water drained and the subbase stable to prevent premature failure of the new concrete.

The second item was for the contractor to make cuts in the paving parallel to and a couple of feet out from the back of the curb. These serve the purpose of preventing random cracking in the pavement in the same way that the perpendicular saw cuts across the paving work. These cuts were not a part of the original design.

The third item was the provision of cold weather blankets on all of the paving due to the sudden onset of sub-freezing weather. The new concrete needed to be protected from freezing for several days after they were poured. This early freeze situation was not anticipated and was not addressed in the contract so a cost for providing the freeze protection was negotiated with the contractor. The costs for the three additions to the project were:

- Polymen Grid - \$7,632.00
- Curblin Joints - \$2,668.00
- Cold Weather Protection - \$4,765.44

The original contract amount was \$163,526.34. The total of the three change order items was \$15,065.44. The new contract amount became \$178,591.78. The total amount for the work completed is \$184,824.79. The final pay application reflects the sod work recently completed totaling \$4,798.50 less retainage of \$239.93 for a payment due now of \$4,558.57. The costs beyond the contract amount are attributable largely due to additional subdrains added to increase drainage of water from under the pavement, additional driveway removal and replacement, and additional sod replacement. The final project amount is \$6,233.01 over the contract amount.

Please place this item on the May 21, 2015 City Council agenda for their approval of payment of the amount owed and the closeout of the project. This will trigger the 30-day waiting period before the retainage totaling \$9,241.24 can be released to the contractor, Heuer Construction.

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

**RESOLUTION ACCEPTING COMPLETED WORK PERFORMED UNDER**

**2014 FOREST PARKWAY  
RECONSTRUCTION PROJECT  
AND AUTHORIZING FINAL PAYMENT**

WHEREAS, the City of Muscatine approved the Plans, Specifications, and Form of Contract for the Forest Parkway Reconstruction Project; and

WHEREAS, the City of Muscatine entered into a contract for said project with Heuer Construction for \$163,526.34 with three change orders and quantity adjustments for a total contract price of \$184,824.79.

WHEREAS, all work under the contract has been completed by Heuer Construction 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 \$171,024.98 has been previously paid to Heuer Construction and a balance of \$13,799.81 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 \$4,558.57 to Heuer Construction for completed and accepted work under the Forest Parkway Reconstruction Project and thereafter make an additional payment of \$9,241.24 which represents 5% retainage thirty (30) days from the date of this acceptance.

PASSED, APPROVED, ADOPTED THIS 21<sup>st</sup> DAY OF MAY, 2015.

CITY COUNCIL OF THE CITY OF MUSCATINE, IOWA

BY: \_\_\_\_\_  
DeWayne M. Hopkins, Mayor

ATTEST:

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