

COUNCIL ACTION FORM

SUBJECT: CHANGE ORDER #1 AND FINAL COMPLETION OF THE WATER POLLUTION CONTROL FACILITY STREET REPAIRS PROJECT

BACKGROUND:

On November 24, 2015, City Council awarded a contract to Manatt's, Inc., of Brooklyn, Iowa, in the amount of \$406,901.48 for repairs to the Water Pollution Control Facility site pavement.

The Water Pollution Control Facility (WPCF) was originally graded and paved with asphalt in 1988 as a part of the original plant construction. Since the time of placement, the pavement has seen repeated heavy loads, and many freeze and thaw cycles that have deteriorated the pavement and caused failure. The major pavement failures include fatigue cracking along with rutting and raveling. These issues with the pavement are a result of poor surface water drainage, along with the original design thickness of the asphalt not being able to meet the traffic demands it serves.

This project consisted of removing and replacing the existing failed pavement with both asphalt and concrete. Concrete was placed in areas of heavy loading to prevent any asphalt rutting in the future. To reduce material cost for the project, the millings from the existing pavement was used to repair areas of poor sub-base and also resurfacing the granular roads at the facility. Along with removing and replacing the pavement, minor grading to the facility was completed to help improve the drainage of the site.

All work under this contract was completed in accordance with the plans and specifications on October 10, 2016. One change order has been issued for this project as described below. A copy of the engineer's statement of completion is attached.

The change order for this project includes 2 items. One reflects the difference between the estimated and final material quantities. All of the materials were bid as separate line items and the bid unit price was used to determine the cost difference. The other item in the change order includes improvements to the site drainage. The total cost for the change order is \$14,827.93. The cost/savings for each item has been reviewed and staff feels that this is a reasonable price. A table showing each item and its associated cost is shown on the following page.

Original Contract Amount		\$406,901.48
Change Order 1 Drainage Improvements Adjustment of Final Quantities	\$3,205.32 \$11,622.61	\$14,827.93
Revised Contract Amount		\$421,729.41

The work was jointly designed in-house by the Water & Pollution Control and Public Works Departments at a charge to the project account of \$613. The final project cost, including engineering fees, is \$422,342.41. This project was included in the 2013/14 Capital Improvements Plan in the amount of \$450,000.

ALTERNATIVES:

1. a.) Approve Change Order #1 in the amount of \$14,827.93 to Manatt's, Inc. of Brooklyn, Iowa.

b.) Accept completion of the construction of the WPCF Street Repairs project and make final payment and release of retainage to Manatt's, Inc. in accordance with contract documents.
2. Take no action on the contract at this time.

MANAGER'S RECOMMENDED ACTION:

Work for the Water Pollution Control Facility Street Repairs Project has been completed in accordance with the plans and specifications and the engineer has provided a Certificate of Completion. The changes to the contract proposed have been reviewed by staff to ensure the costs are reasonable and reflect the actual work performed. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1.

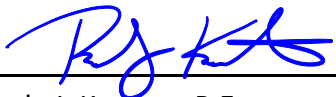
Engineer's Statement of Completion

Project: WPCF Street Repairs	Date of Contract: November 24, 2015
Owner: Ames Water and Pollution Control Department	Contract No.: 2016-064
Engineer: Ames Public Works Department	Contractor: Manatts, Inc.

I hereby state that the **WPCF Street Repairs** project has been satisfactorily completed in general compliance with the terms, specifications, and stipulations of said contract.

The work was completed on October 10, 2016.

I further state that the retainage may be released in accordance with the contract documents.



Rudy J. Koester, P.E.

Civil Engineer II

Public Works Department

Date 10/17/2016