



ITEM 11M

1202 Musser Street  
Muscatine, IA 52761-1645  
(563) 263-2752  
Fax (563) 263-3720

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**WATER POLLUTION CONTROL**

**MEMORANDUM**

To: Gregg Mandsager, City Administrator

CC: Nancy Lueck, Finance Director  
Fran Donelson, Secretary

From: Jon Koch, WPCP Director

Date: October 31, 2014

Re: Lift Station Control Upgrades

**INTRODUCTION:** The WPCP has received a bid for scheduled PLC and telemetry control system upgrades from ICS Healy-Ruff in the amount of \$50,800.00. A laptop computer is required for software programming and has been priced from the City IT Department for \$1045.92. The total project cost for three lift station upgrades is \$51,845.92. \$54,000.00 was budgeted for this project.

**BACKGROUND:** Current control systems for the Sampson, Sunset and Hersey Lift Stations are no longer supported by their manufacturers. The LC3000 and PLTU control systems will be upgraded with Allen Bradley MicroLogix PLC's, a broadly supported control system with current software compatibility to multiple platforms. This upgrade includes required digital radio upgrades to maintain communication with the plant SCADA alarm system for continuous monitoring of station functions. It also includes programming of a new laptop which will be available for previous and upcoming station upgrades. Included is training of City staff for software upgrades and maintenance of the system. ICS Healy-Ruff by contract maintains our computer control systems so no other bids were sought in order to ensure continuity of programming. The laptop was purchased through the City IT Department as they were \$800 less than ICS Healy-Ruff for the same computer.

**RECOMMENDATION/RATIONALE:** Staff recommends approval of the Lift Station Upgrade Project to ICS Healy-Ruff in the amount of \$50,800.00 and a laptop purchase for \$1,045.92 from the City IT Department.