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Public Works

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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: December 14, 2010
RE: Video Inspection Trailer System – Closed Circuit TV

INTRODUCTION:

The Collection & Drainage Budget was allocated \$80,000 for the purchase of a camera to be used in televising the sewer infrastructure.

BACKGROUND:

The City purchased its first camera nearly 10 years ago. It has become a valuable tool in identifying problems in the sewer infrastructure and determining repair options. The cameras have become quite sophisticated. Although the current unit is still functioning, it is limited in what it is able to do and therefore what the operators are able to see and use to diagnose problems.

RECOMMENDATION/RATIONALE:

The new camera can be used throughout the year since it is not operated from the Jet-Vac truck the way the current camera is (limited use in the winter because of freezing). It requires two operators vs. four (4). The special features which go along with the proposed camera include a full pan and tilt to see in every direction; better lighting especially for larger diameter sewers; a locating beacon; the ability to look up house services; full reporting software; and digital recording capabilities to permanently televise the sewer system. This is the type of tool needed to meet EPA/DNR maintenance and inspection requirements. Most importantly, it increases the safety of our C&D crew because we do not have to physically enter the sewers to locate problems.

Spencer, Iowa received bids for the same equipment in July 2010. Two bids were received:

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

Mid-Iowa Solid Waste Equipment	\$93,456.00
Elliott Equipment	\$83,730.27

Elliott Equipment stated they would honor the bid they gave the City of Spencer. We requested one additional option for \$600 that allows control of the camera unit from a remote position away from the control panel in the trailer.

The final cost is \$84,330.27 to be paid from the Collection & Drainage budget. We recommend City Council's approval for the purchase of this closed circuit video camera.

BACKUP INFORMATION:

1. Elliott Equipment Quotation
- 2.
- 3.
- 4.

