

COUNCIL ACTION FORM

**SUBJECT: 2010/11 TRAFFIC SIGNAL PROGRAM
(GRAND AVENUE / 28TH STREET)**

BACKGROUND:

The Traffic Signal Program involves the removal and replacement of existing traffic signal systems. Replacement is needed to restore structural integrity and to improve safe and reliable operation. The signal at Grand Avenue and 28th Street has reached and exceeded its practicable life cycle. Effects of storm damage along with general wear and tear have left this facility in a deteriorated state.

The 2010/11 program location will occur at the intersection of Grand Avenue and 28th Street. The project will include removal and salvage of existing traffic signal facilities, and the installation of new traffic signal poles, cabinet, radar based vehicle-bike detection, ADA vibrotactial pedestrian push-buttons, ADA compliant pedestrian ramps, and required pavement markings. This project will also bring the traffic signal system into compliance with existing Iowa Department of Transportation (Iowa DOT) safety requirements.

On Thursday, October 18, 2012, bids were received as follows:

| <u>Bidder</u> | <u>Base Bid</u> | <u>Base Bid + Alt's</u> |
|-------------------------|-----------------|-------------------------|
| Engineer's Estimate | \$155,000.00 | N/A |
| Baker Electric, Inc. | \$160,872.83 | \$196,918.83 |
| KWS, Inc. | \$171,282.35 | \$194,932.35 |
| Iowa Signal, Inc. | \$175,419.16 | \$200,074.76 |
| Dickinson Company, Inc. | \$185,669.80 | \$214,745.80 |
| Voltmer, Inc. | \$227,124.35 | \$250,384.35 |

The bids came in over the engineer's estimate due to the increased cost for raw materials such as steel and copper. Therefore, staff is recommending that City Council reject the bid alternates for spare equipment, and accept the base bid of the low bidder.

Engineering and construction administration is estimated in the amount of \$16,000 for a total estimated project cost of \$176,873. This project is shown in the 2010/11 approved budget with financing in the amount of \$40,000 from the Road Use Tax fund. Additional funding includes a \$155,000 Transportation Safety Improvement Program (TSIP) Grant from the Iowa DOT for materials. This brings total project funding to \$195,000, which means this project can be fully funded and is ready to award.

ALTERNATIVES:

- 1a. Accept the report of bids for the 2010/11 Traffic Signal Program (Grand Avenue / Ash Avenue) for base bids only.
 - b. Approve the final plans and specifications for the 2010/11 Traffic Signal Program (Grand Avenue / Ash Avenue).
 - c. Award the 2010/11 Traffic Signal Program (Grand Avenue / 28th Street) to Baker Electric, Inc. of Des Moines, Iowa, in the amount of \$160,872.83.
2. Reject the project.

MANAGER'S RECOMMENDED ACTION:

This project will improve the ongoing safety of pedestrians and motorists who frequent this intersection. By proceeding with this award now, it will be possible for construction to be completed by the August 1, 2013 deadline.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby accepting the report of bids for base bids only, approving the final plans and specifications, and awarding the 2010/11 Traffic Signal Program (Grand Avenue / 28th Street) to Baker Electric, Inc. of Des Moines, Iowa, in the amount of \$160,872.83.