

ITEM #: 40
DATE 10-23-12

COUNCIL ACTION FORM

**SUBJECT: 2010/11 TRAFFIC SIGNAL PROGRAM
(SOUTH DAYTON AVENUE / SOUTHEAST 16TH STREET)**

BACKGROUND:

The Traffic Signal Program involves the installation of new, or removal and replacement of existing traffic signal systems. This location is for the installation of a new traffic signal that was found to be warranted as determined by an engineering study. The study was performed after the realignment of South Dayton Avenue was open to traffic.

The 2010/11 program location will occur at the intersection of South Dayton Avenue and Southeast 16th Street. The project will include installation of new traffic signal facilities, including traffic signal poles, cabinet, radar based vehicle-bike detection, ADA vibrotactial pedestrian push-buttons, ADA compliant pedestrian ramps, and required pavement markings. This new project will also be in compliance with existing Iowa Department of Transportation (IDOT) 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	\$145,000.00	N/A
Baker Electric, Inc.	\$157,573.72	\$193,619.72
KWS, Inc.	\$159,948.30	\$183,238.30
Iowa Signal, Inc.	\$166,880.52	\$191,536.12
Dickinson Company, Inc.	\$178,778.28	\$207,854.28
Voltmer, Inc.	\$191,661.74	\$214,921.74

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 \$15,000 for a total estimated project cost of \$172,574. This project is shown in the 2010/11 approved budget with financing in the amount of \$160,000 from the Road Use Tax fund. This leaves a budget shortfall of approximately \$12,574, which can be covered from savings from the other location, 28th Street / Grand Avenue, with in the same 2010/11 year of the Capital Improvements Plan. That location had savings in the amount of \$18,127.

ALTERNATIVES:

- 1a. Accept the report of bids for the 2010/11 Traffic Signal Program (South Dayton Avenue / Ash Avenue) for base bids only.
 - b. Approve the final plans and specifications for the 2010/11 Traffic Signal Program (South Dayton Avenue / Ash Avenue).
 - c. Award the 2010/11 Traffic Signal Program (South Dayton Avenue / Southeast 16th Street) to Baker Electric, Inc. of Des Moines, Iowa, in the amount of \$157,573.72.
2. Reject the project.

MANAGER'S RECOMMENDED ACTION:

This new signal will improve the ongoing safety of pedestrians and motorists who frequent this intersection. By awarding a contract at this time, 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 (South Dayton Avenue / Southeast 16th Street) to Baker Electric, Inc. of Des Moines, Iowa, in the amount of \$157,573.72.