

COUNCIL ACTION FORM

SUBJECT: 2012/13 TRAFFIC SIGNAL PROGRAM (LINCOLN WAY & HAYWARD AVENUE)

BACKGROUND:

The Traffic Signal Program is the annual CIP program that provides for replacing older traffic signals in the City by constructing new traffic signals. This program will result in improved visibility, reliability, and signal aesthetics.

Although recent advances in technology have extended the normal, useful life for traffic signal installations well past the previously expected 25 years, some of the older generation traffic signals still in use now exceed their functional age. Components at those installations (including conduits, wiring, signal heads, and poles) need to be completely replaced. In addition, this program provides for the necessary upgrades to the traffic signal system as technology continues to change. In recent years, the traffic signal replacements have included radar detection systems instead of the typical in-pavement loop detection system that frequently was the point of vehicle detection failure. Another advantage of the radar detection system is that it also detects bicycles.

On January 22, 2014, bids on this project were received as follows:

	Base Bid	Alternatives	Total
Engineer's Estimate	\$173,066.80	\$26,400.00	\$199,466.80
Voltmer, Inc.	\$195,040.88	\$21,263.00	\$216,303.88
KWS, Inc.	\$204,684.25	\$22,980.00	\$227,664.25
Iowa Signal, Inc.	\$218,835.03	\$20,286.00	\$239,121.03
Watts Electric Company	\$258,003.69	\$19,320.00	\$277,323.69
Baker Electric		**Non-Responsive Bid**	

Baker Electric was determined to have a non-responsive bid due to the omission of a price for bid item 69 "Erosion Control Mulch".

The bid alternatives were to provide spare equipment to have on-site replacements in the rare event of equipment failures. Due to the cost, however, all bid alternates were rejected. Since the base bid will meet all standards, specifications, and federal access requirements, it is appropriate to move forward with awarding the base bid to Voltmer, Inc. of Decorah, Iowa, in the amount of \$195,040.88. Engineering and construction administration for the program is estimated at \$13,000, bringing **total estimated costs to approximately \$208,100.**

This project received **\$111,500** from an Iowa Department of Transportation (DOT) Traffic Safety Improvement Program grant. The Capital Improvements Plan also provided local financing of \$175,000 from the Road Use Tax (RUT) Fund. In December 2013, at the time of approval of plans and specifications, the RUT financing was reduced to **\$90,500** to reflect the Engineer's Estimate. The remaining \$84,500 of the original \$175,000 was returned to the RUT Fund. With bids coming in slightly higher

than anticipated, **\$6,100** will be needed from the RUT Fund. **This will provide total funding in the amount of \$208,100.**

ALTERNATIVES:

- 1a. Accept the report of bids for the 2012/13 Traffic Signal Program (Lincoln Way and Hayward Avenue) for the base bids only, thereby rejecting all bid alternates.
 - b. Approve the final plans and specifications for this project.
 - c. Award the base bid for the 2012/13 Traffic Signal Program (Lincoln Way and Hayward Avenue) to Voltmer, Inc. of Decorah, Iowa, in the amount of \$195,040.88.
 - d. Authorize use of an additional \$6,100 from the Road Use Tax available balance to finance this project.
2. Do not proceed with the project at this time.

MANAGER'S RECOMMENDED ACTION:

By approving this project, the structural and operational integrity of the signal at Lincoln Way and Hayward will be restored during the 2014 construction season.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as described above.