

**COUNCIL ACTION FORM**

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

**BACKGROUND:**

The Traffic Signal Program is the annual program that provides for replacing older traffic signals by constructing new traffic signals in the City. 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 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

Staff has completed plans and specifications with estimated construction costs of \$189,000 for the replacement of the traffic signal at Lincoln Way and Hayward. Engineering and construction administration are estimated in the amount of \$13,000, which brings total project cost to **\$202,000**. This project received \$111,500 from an Iowa Department of Transportation (DOT) Traffic Safety Improvement Program grant. The Capital Improvements Plan also provides \$175,000 from the Road Use Tax Fund, which will be reduced to \$90,500 to reflect the Iowa DOT grant.

**ALTERNATIVES:**

1. Approve the plans and specifications for the 2012/13 Traffic Signal Program (Lincoln Way & Hayward Avenue) by establishing January 22, 2014, as the date of letting and January 28, 2014, as the date for report of bids.
2. Reject the project.

**MANAGER'S RECOMMENDED ACTION:**

Approval of the plans and specifications will initiate the letting process and should allow for the project to be completed by August 1, 2014, which is prior to the beginning of the 2014 fall semester at Iowa State University.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving the plans and specifications for the 2012/13 Traffic Signal Program (Lincoln Way & Hayward Avenue) by establishing January 22, 2014, as the date of letting and January 28, 2014, as the date for report of bids.