

**COUNCIL ACTION FORM**

**SUBJECT:** 2014/15 TRAFFIC SIGNAL PROGRAM (13<sup>TH</sup> ST. & STANGE RD.)

**BACKGROUND:**

The Traffic Signal Program provides for replacing older traffic signals in the City by constructing new traffic signals. This program results 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 necessary upgrades to the traffic signal system as technology evolves. In recent years, the traffic signal replacements have included radar detection systems instead of the former, 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 \$202,500 for replacement of the traffic signal at 13<sup>th</sup> Street and Stange Road. Engineering and construction administration are estimated in the amount of \$16,200, bringing the total estimated project cost to \$218,700.

The City's Capital Improvements Plan includes \$50,000 from the Road Use Tax Fund for one leg of this intersection in partnership with Iowa State University. ISU has programmed its portion of funding in the amount of \$187,500, bringing total program funding to \$237,500.

**ALTERNATIVES:**

1. Approve the plans and specifications for the 2014/15 Traffic Signal Program (13<sup>th</sup> St. & Stange Rd.) by establishing December 3, 2014, as the date of letting and December 9, 2014, as the date for report of bids.
2. Delay this project.

**MANAGER'S RECOMMENDED ACTION:**

Approval of the plans and specifications will initiate the letting process and should allow for this project to be completed by August 3, 2015, prior to the start of Iowa State University's fall semester.

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