

**COUNCIL ACTION FORM**

**SUBJECT:** 2010/11 TRAFFIC SIGNAL PROGRAM (GRAND AVENUE & 28<sup>TH</sup> STREET; S. DAYTON AVENUE & S.E. 16<sup>TH</sup> STREET)

**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 appearance of the signals.

Although recent advances in technology have elongated 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. This program provides funding for those maintenance needs. In addition, this program provides for the necessary upgrades to the traffic signal system as technology continues to change. In the 2010/11 Capital Improvements Plan (CIP), there are two locations shown. One is for replacement of an existing signal; and the other is for a new signal installation, due to a traffic signal warrant study performed after the realignment of S. Dayton Avenue. This study resulted in the need to signalize the intersection with S.E. 16<sup>th</sup> Street.

**Grand Avenue and 28<sup>th</sup> Street**

Staff has completed plans and specifications for Grand Avenue and 28<sup>th</sup> Street with the estimated construction costs of \$155,000. Engineering and construction administration are estimated in the amount of \$16,000, which brings the total project cost to \$171,000. This location also received \$155,000 from an Iowa Department of Transportation (Iowa DOT) Traffic Safety Improvement Program (TSIP) grant. The local share of this project will require \$16,000.

**S. Dayton Avenue & S.E. 16<sup>th</sup> Street**

Similarly, plans and specifications were completed for S. Dayton Avenue & S.E. 16<sup>th</sup> Street with the estimated construction costs of \$145,000. Engineering and construction administration are estimated in the amount of \$15,000, which brings the total project cost to \$160,000. The local share for this project will required \$160,000,

The total estimated cost for both locations is \$331,000 with \$176,000 needed from the Road Use Tax Fund for the local match. The 2010/11 CIP includes \$200,000 from the Road Use Tax Fund for these projects.

**ALTERNATIVES:**

- 1a. Approve the plans and specifications for the 2010/11 Traffic Signal Program (Grand Avenue & 28<sup>th</sup> Street) by establishing October 18, 2012, as the date of letting and October 23, 2012, as the date for report of bids.

- b. Approve the plans and specifications for the 2010/11 Traffic Signal Program (S. Dayton Avenue & S.E. 16<sup>th</sup> Street) by establishing October 18, 2012, as the date of letting and October 23, 2012, as the date for report of bids.
2. Approve plans and specifications for either Grand Avenue and 2th Street or S. Dayton and S.E. 16<sup>th</sup> Street.
3. Reject the projects.

**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, 2012, which is prior to the beginning of the 2013 fall semester for 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 2010/11 Traffic Signal Program (Grand Avenue & 28<sup>th</sup> Street) and the 2010/11 Traffic Signal Program (S. Dayton Avenue & SE 16<sup>th</sup> Street) by establishing October 18, 2012, as the date of letting and October 23, 2012, as the date for report of bids.