



Memorandum

To: Daniel Ford, Purchasing Manager

cc: Paul Knippel, P.E., Director of Engineering Services

**From: Brian Moen, P.E., Assistant Director of Engineering Services
Curtis Jarecki, P.E., Senior Traffic Engineer**

Date: November 15, 2016

**Subject: Purchases from JTS for Traffic Signal System Communication
Equipment during FY 2017**

Transportation Engineering Services estimates the need to purchase approximately \$163,000 of communication equipment for the traffic signal system to maintain communication to existing traffic signals, establish communication links to new traffic signals, replace end of life equipment, and add redundancy in the communication network during FY 2017.

This traffic signal communication equipment will provide for communication links to new traffic signals and maintain communication links to existing traffic signals. This estimate includes communication equipment needed to replace end of life equipment on the Parkwood water tower and at the intersections linked to that water tower. This estimate also includes backhaul radio links for one-third of the traffic signal communication system which will add a redundant path between water towers and the emergency operation center.

The equipment to maintain communication links to existing traffic signals will be purchased with general funds. The other equipment will be purchased with bond funds. Purchases from JTS will be made through their State of Texas DIR Contract, DIR-SDD-2060. Total estimated cost for FY 2017 is \$163,000.

We request this item be placed on the next regular City Council agenda for consideration. Please let us know if you need additional information.