



AGENDA ITEM 5i  
DATE 1-11-10

# City Council Report

**Date:** January 11, 2009  
**To:** City Council  
**Through:** Bryan Raines, Deputy City Manager  
**From:** Ed Quedens, Business Services Director  
**Subject:** Term Contract for Traffic Signal Uninterruptible Power Supply Units for the Transportation Department (Contract #2009196)  
"Citywide" contract

## Purpose and Recommendation

Council is requested to approve a Term Contract for Traffic Signal Uninterruptible Power Supply Units for the Transportation Department as recommended. Bid pricing was obtained and evaluated by the Transportation Department and the Purchasing Division.

The Purchasing Division recommends awarding the contract to the lowest, responsible and responsive bidder, Phoenix Highway Products, Inc. at \$106,972.75 annually, based on estimated requirements.

## Background

This contract will provide an ongoing supply of Uninterruptible Power Supply (UPS) units for the Transportation Department, Intelligent Transportation Systems group over the next several years. The City is planning annual purchases of 25 UPS units; these purchases are planned to be ongoing over the next several years.

The bid specification requires the UPS units to be piggyback mounted (bolted to the back side of the traffic signal control cabinet) and be designed for outdoor use in extreme environments. These units shall be complete turnkey systems configured and furnished to maintain the operation of the traffic signal in the event of a power outage and condition the utility power to the microprocessor based control equipment during utility power brown outs, sags or surges. For example, at a high volume arterial to arterial signalized intersection, the UPS will be used to keep the signal operating and filtered in the event of a power outage, e.g., three hours run time and two hours flash. Without UPS in the event of a power outage, signals would go dark and a Police Officer would have to direct traffic or the intersection would be left uncontrolled.

The City previously installed about 40 of the specified UPS units and plans to standardize future purchases to the Alpha FXM1100 inverter to assure interchangeability, minimize spare parts inventory, reduce maintenance training time and maintain a common method for communicating with the units' alarm functions.

50 vendors were invited to bid, in addition to the standard advertising in the Arizona Republic, East Valley Tribune, Record Reporter and Bid Net. 28 vendors downloaded the bid from the Purchasing website. Three (3) responsive bids were received.

The initial term contract is valid for three (3) years with one (1) two-year renewal possible. Any price increases are capped by the Producer Price Index (PPI).

**Alternatives**


Council may choose not to award this contract and new bids will be obtained.

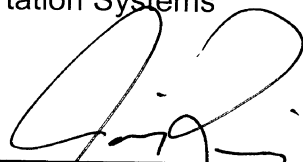
**Fiscal Impact**

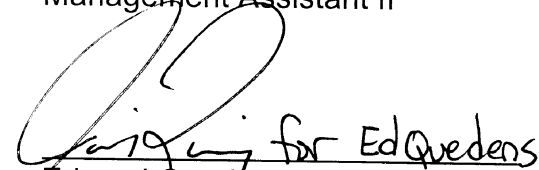
The total amount of \$106,972.75 is available in the Transportation Department's budget.

**Coordinated With**

Transportation Department – Intelligent Transportation Systems

  
\_\_\_\_\_  
Pamela Chavez,  
Management Assistant II

  
\_\_\_\_\_  
Jim Ruiz, CPPB  
Purchasing Administrator

  
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Edward Quedens, CPPO, C.P.M.  
Business Services Director

  
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Bryan Raines,  
Deputy City Manager

**CITY OF MESA**  
**AWARD RECOMMENDATION**  
**TRAFFIC SIGNAL UNINTERRUPTIBLE POWER SUPPLY UNITS**  
**REQUEST FOR BID #2009196**  
**Contract Valid through December 31, 2012**

**Phoenix Highway Products, Inc.**  
**Phoenix, AZ**

Description	Bid Price
Complete Turnkey Cabinet Mounted Traffic Signal Uninterruptible Power Supply (UPS) Units	
25 @ \$3,770.00 each	\$94,250.00
	8.3% Sales Tax <u>\$7,822.75</u>
	<b>Sub-Total \$102,072.75</b>
Five (5)-Year Extended Warranty	
25 @ \$196.00 each	<u>\$4,900.00</u>
	<b>TOTAL \$106,972.75</b>

**November 2009 Bid Results:**

Phoenix Highway Products, Inc. Phoenix, AZ	\$94,250.00 (Recommended)
Brown Wholesale Electric Phoenix, AZ	\$99,425.00
Weir Systems d.b.a. Southern Manufacturing Orlando, FL	\$107,375.00