



## **AGENDA MEMORANDUM**

First Reading Ordinance for the City Council Meeting February 11, 2020  
Second Reading Ordinance for the City Council Meeting February 18, 2020

**DATE:** January 28, 2020

**TO:** Peter Zaroni, City Manager

**FROM:** Richard Martinez, Director of Public Works/Street Operations  
[Richardm5@cctexas.com](mailto:Richardm5@cctexas.com)  
(361) 826-3419

Kim Baker, Director of Contracts and Procurement  
[KimB2@cctexas.com](mailto:KimB2@cctexas.com)  
(361) 826-3169

### **Purchase of Wavetronix Radar Detection Systems for Public Works/Street Operations**

#### **CAPTION:**

Ordinance authorizing a purchase from Twincrest Technologies, of Fort Worth, Texas for the Wavetronix Radar Detection System for a total amount of \$1,102,665 for Public Works/Street Operations Department to be used for traffic signal vehicle detection and funded by the Streets Fund; and amending the budget to appropriate \$1,102,665 in Street Operation Reserves.

#### **SUMMARY:**

This Ordinance will allow the City to purchase this equipment to be used in signalized traffic intersections to monitor the flow of traffic and vehicle detection.

#### **BACKGROUND AND FINDINGS:**

Radar detection systems are the new standard for traffic signal vehicle detection. These radar detection systems will be replacing the video detection systems currently in the field that are no longer working or serviceable. Many of these older units require maintenance every two weeks to clean the camera lenses. The new radar detection system will improve traffic flow, vehicle detection, more reliable, better technology, and are not affected by weather events.

This is a sole source purchase and Twincrest Technologies is the sole source contractor and direct vendor for Wavetronix products and services. There will be 53 radar detection systems purchased to replace non-functioning radar systems for 53 traffic signal locations. These systems will be installed by Street Operations Signal Technicians with updates provided by Twincrest Technologies. In addition, this is a phased approach to eventually replace all video detection systems throughout the City.

### **ALTERNATIVES:**

Public Works/Street Operations has been utilizing this system successfully since 2009. It would not be cost effective to abandon the Wavetronix program at this time due to the successful results. This program monitors the flow of traffic and vehicle detection.

### **FISCAL IMPACT:**

The fiscal impact in FY 2020 for Public Works/Street Operations will be \$1,102,665.00 for the one-time purchase of this equipment.

### **Funding Detail:**

Fund:	1041	Streets
Organization/Activity:	N/A	
Mission Element:	N/A	
Project # (CIP Only):	N/A	
Account:	251850	Fund 1041 Fund Balance

### **RECOMMENDATION:**

Staff recommends approval of the Ordinance authorizing the purchase with Twincrest Technologies for the Wavetronix Radar Detection System for Public Works/Street Operations as presented.

### **LIST OF SUPPORTING DOCUMENTS:**

Ordinance  
Price Sheet