

## Legislation Details (With Text)

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**File #:** 4421      **Version:** 1      **Name:** Microwave Purchase  
**Type:**      **Status:** Passed  
**File created:** 7/15/2019      **In control:** City Council  
**On agenda:** 7/23/2019      **Final action:** 7/23/2019  
**Title:** Consider Approval Of The Purchase And Installation Of Microwave Network Equipment From Alpha Omega Wireless, In An Amount Not To Exceed \$593,469.65.

**Sponsors:**

**Indexes:**

**Code sections:**

**Attachments:**

Date	Ver.	Action By	Action	Result
7/23/2019	1	City Council	approved	Pass

**CC MEETING: July 23, 2019**

**DATE:** July 15, 2019

**TO:** Erin Rinehart, City Manager

**FROM:** Andy Horn, Interim Director of Information Technology

Consider **Approval Of The Purchase And Installation Of Microwave Network Equipment From Alpha Omega Wireless**, In An Amount Not To Exceed \$593,469.65.

**BACKGROUND:**

To resolve the increased demand in bandwidth on the City's network, these improvements will raise the speeds of the microwave system from 200 Mbps (megabytes per second) to 1 Gbps (gigabytes per second) across all five segments of the City of Carrollton's communication ring. Additionally the bandwidth of six point-to-point spur routes will increase from 50-100 Mbps to 400 Mbps.

Existing hardware is over five years old and limited to bandwidth below the needs of the City. These efforts are part of existing improvement projects within the IT Department which impact the overall network (IT13, IT20, IT21, IT31, and IT39).

The resulting project will provide increased bandwidth for improved communications between departments located at various city locations and facilitating the efforts of other Departments, such as the "advanced traffic monitoring" system (BUS4). This increase should sustain City operations for the life of the involved hardware, which is capable of expansion to higher speeds if necessary.

Alpha Omega Wireless is a member of the Texas Department of Information Resources (DIR) cooperative purchasing agreement, identification number DIR-TSO-4012.

**FINANCIAL IMPLICATIONS:**

Total cost of the purchase installation, and maintenance for the telecommunication equipment will be approximately \$593,469.65, including a 10 percent contingency. Funding was budgeted for this project within the “WAN Upgrade” capital project (#854105-118540199).

**STAFF RECOMMENDATION/ACTION DESIRED:**

Staff recommends approval to purchase and install telecommunication equipment from Alpha Omega Wireless through DIR pricing in an amount not to exceed \$593,469.65.