



AGENDA MEMORANDUM

Future Item for the City Council Meeting of December 9, 2014
Action Item for the City Council Meeting of December 16, 2014

DATE: November 21, 2014
TO: Ronald L. Olson, City Manager
FROM: Michael Armstrong, Chief Information Officer
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(361) 826-3740

Approving the purchase of Tropos professional services.

CAPTION:

Motion authorizing the City Manager or designee to approve the purchase of professional services from ABB Tropos Networks Inc. of Sunnyvale, California, manufacturers of the Tropos wireless network installed in Corpus Christi, for a total expenditure of \$94,500.00. Funds are available in the Municipal Information Systems Department FY2014-2015 budget.

PURPOSE:

Professional services are needed to upgrade 150 Tropos radios in Flour Bluff, the Island, and Ocean Drive locations that are over 8 years old. Services will include asset validation, configuration optimization, equipment staging, virtualized controller configuration, and implementation, to provide an upgraded and durable wireless environment. Services are expected to last seven weeks with the assistance of two Tropos representatives.

BACKGROUND AND FINDINGS:

City staff selected Flour Bluff, the Island, and Ocean drive due to an area that has encountered performance issues over the last year. The operation of the wireless network is critical to the function of programs such as AMR, Public Safety, data and voice communications, and various departmental applications. Radios in the identified focus area are more susceptible to environmental conditions due to their proximity to coastal waters. High winds, sea salt, sand, humidity and heat contribute to the deterioration of equipment in the field at a faster rate than those located elsewhere in the City. The professional services provided will support the replacement of radios with the latest model, 7320XA, a hardened radio developed for the extreme conditions experienced in Corpus Christi.

ALTERNATIVES:

Upgrade equipment using in-house resources over a six-month period.

OTHER CONSIDERATIONS:

Not applicable

CONFORMITY TO CITY POLICY:

The proposed purchase conforms with City purchasing policies and procedures.

EMERGENCY/NON-EMERGENCY:

Non-Emergency

DEPARTMENTAL CLEARANCES:

Municipal Information Systems Department
Office of Management and Budget
Finance and Purchasing Department

FINANCIAL IMPACT:

X Operating Revenue Capital Not applicable

Fiscal Year: 2014-2015	Project to Date Expenditures (CIP only)	Current Year	Future Years	TOTALS
Line Item Budget		\$336,440.00		\$336,440.00
Encumbered / Expended Amount		\$6,685.54		\$6,685.54
This item		\$94,500.00		\$94,500.00
BALANCE		\$235,254.46		\$235,254.46

Fund(s): 5210

Comments: No matching funds required.

RECOMMENDATION:

Staff recommends approval of this agenda item.

LIST OF SUPPORTING DOCUMENTS:

ABB Tropos Networks Inc. quote HR-CCTX111914PS
ABB Sole Source on letterhead
ABB CCTexas Wireless Mesh Network Professional Services