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OAKLAND

2015 FEB 11 PM 5:04

# AGENDA REPORT

**TO:** JOHN A. FLORES  
Interim City Administrator

**FROM:** Bryan M. Sastokas

**SUBJECT:** Microwave Network  
Maintenance Renewal

**DATE:** January 23, 2015

City Administrator  
Approval

Date

2/11/15

**COUNCIL DISTRICT:** City-wide

## RECOMMENDATION

Staff recommends that City Council approve a resolution authorizing the City Administrator, or his designee, to:

- 1) Enter into an agreement with Aviat U.S., Inc. in an amount of one hundred thousand dollars (\$100,000.00) per year for a period of five years from January 1, 2015 to December 31, 2019 for a total contract amount of five hundred thousand dollars (\$500,000.00) for the purchase of equipment, products, extended warranty, maintenance and related professional services, and
- 2) Waive the City's advertising, competitive bid and request for proposals/qualifications (RFP/Q) requirements for the above purchases.

## OUTCOME

Adoption of this resolution will allow the City Administrator to expend designated funding from the Radio Fund (4200) to purchase equipment and services necessary for the Information Technology Department to support the day-to-day operations and maintenance of the microwave network. This network is a mission-critical component of the City's public safety radio network and also provides the foundation for public safety interoperability with several neighboring cities and counties including the EBRCSA P-25 network.

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## EXECUTIVE SUMMARY

The City currently owns and operates a microwave network composed of antennas and related equipment at nine interconnected sites across the City. This system is a mission-critical component of the City's public safety radio network and supports computer network connectivity to various locations including the City's 911 Centers, Emergency Operations Center, Police Administration Building, and the City Center Campus. The City's Information Technology Department is responsible for the maintenance and support of this system. The original system vendor for this system was Harris Stratex, Inc., a firm subsequently acquired by Aviat Networks, Inc. (Aviat).

The City previously had a maintenance agreement with Aviat to support the microwave network, but this agreement expired on December 31, 2014. To maintain service continuity for various public safety related applications, it is critical to renew this maintenance agreement and authorize the purchase of parts and services required for the network and site components for the nine sites.

Oakland Municipal Code (OMC) Title 2, Chapter 2.04, Article I, Section 2.04.050 requires that where the cost of services, supplies or combination required by the City exceeds \$50,000, the City Clerk shall call for formal bids by advertising at least once in the official newspaper of the City not less than ten calendar days before the date for receiving bids. However, OMC Title 2, Chapter 2.04, Article I, Section 2.04.050.I.5 provides an exception to this advertising and competitive bidding requirement when specifically authorized by the City Council after a finding and determination that it is in the best interests of the City.

Additionally, OMC Title 2, Chapter 2.04, Article I, Section 2.04.051.A requires that the City Administrator, or the City Administrator's designee, shall conduct a request for proposals (RFP) or request for qualifications (RFQ) process for the award of contracts that exceed \$25,000.00 and are exempt from bidding under Section 2.04.050.I.1. However, OMC Title 2, Chapter 2.04, Article I, Section 2.04.051.B provides that upon a finding by the City Council or its designee that it is in the best interests of the City, the City Council may waive the requirement for an RFP or RFQ process.

Staff recommends that the City Council find and determine that it is in the best interests of the City to waive formal advertising and competitive bidding requirements for the maintenance agreement to be entered into with Aviat. Staff makes this recommendation based on the several factors:

- Aviat is the sole manufacturer of the microwave equipment currently installed in Oakland
- Aviat provided the original installation and configuration of the various components of the current microwave network thus the firm has pre-existing, in-depth knowledge of and experience with the current system components, their configuration and the design considerations behind their original installation.

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- Aviat's in-depth knowledge of their products combined with the knowledge and experience they have regarding the existing Oakland installation should lead to the most cost-effective maintenance at the highest levels of quality.

In addition, the City will require specialized professional services from Aviat during the term of this agreement in order to fulfill the Council's direction of utilizing the microwave network to enhance the resilience of the East Bay Regional Communications System Authority's (EBRCSA) P-25 network in order benefit the City's 911 centers.

### **BACKGROUND/LEGISLATIVE HISTORY**

On January 13, 2010 the City Council approved Resolution No. 82529 C.M.S. authorizing the City to enter into a contract to upgrade, expand, and integrate Phase 1 of the public safety microwave backbone system. The system vendor (Harris Stratex, Inc.) was also selected to provide a two-year system maintenance agreement, once installed. Harris Stratex was subsequently acquired by Aviat Networks, Inc.

This new system upgraded the then 15-year old analog microwave equipment and dedicated leased line circuits up to a digital, Internet Protocol (IP) based system capable of supporting the bandwidth needed for business applications requiring voice, video, data, images, mapping and IP-based radio systems (e.g., the P-25 radio network that the Oakland Police Department and Fire Department currently uses for mission-critical voice communications).

The new IP-based, digital system also offered better regional interoperability with partners like EBRCSA and the Bay Area Regional Interoperable Communications System (BayRICS), thereby enhancing the City's ability to work with surrounding cities and towns in the event of a major incident or natural disaster.

To fund the existing microwave system, on October 16, 2007, Council passed Resolution No. 80894 C.M.S., authorizing the Oakland Police Department to receive grant funds totaling up to \$988,966 from the Department of Justice, Office of Community Oriented Policing Services (COPS) FY 2007 Law Enforcement Technology Interoperable Communications Grant Program.

### **ANALYSIS**

The elements of the proposed Aviat maintenance agreement include several components which, when combined, make for very comprehensive coverage in keeping with the mission-critical nature of the current microwave system. The elements include the following:

- Unlimited 24/7 technical support
- Aviat Xpress web support, 24/7

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- General availability releases and product updates free of charge
- Repair services including
  - Repair and return service for Aviat Networks manufactured equipment (excluding consumables)
  - Advance Replacement
  - Repair Logistics Program
- Original Equipment Manufacturer (OEM) Repair for the 9 Adtran IP phones
- Preventive Maintenance Services during semi-annual on-site visits
- 24/7 remote monitoring services via the Aviat Networks secure Network Operations Center
- Monitoring alarms and initiating correct actions by engaging Aviat resources for remote troubleshooting or to dispatch on-site personnel (as required) to restore service or correct a system fault.
- Standard Reporting, including the following:
  - Trouble ticket status reports
  - Trouble ticket summary report by site
  - Chronic issue report
  - Node health
  - Mean time to repair
- Field installation services

This maintenance proposal provides comprehensive coverage of all aspects of the City's mission-critical microwave network.

### **PUBLIC OUTREACH/INTEREST**

This item did not require any additional public outreach.

### **COORDINATION**

In the preparation of this staff report, the Oakland Police Department and the Information Technology Department coordinated with the City Attorney's Office, the City Administrator's Office and the Controller's Bureau.

### **COST SUMMARY/IMPLICATIONS**

The 5-year cost of the Aviat maintenance agreement is \$500,000 which includes a \$27,000 discount for a multi-year commitment. The agreement would go from January 1, 2015 to December 31, 2019.

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The Information Technology Department is responsible for the maintenance of the equipment and systems detailed in this project. The Radio Fund (4200), Org (46241), Project (0000000) covers maintenance and operation of these systems so no additional appropriation would be needed as a result of this project during the term of this maintenance agreement.

**SUSTAINABLE OPPORTUNITIES**

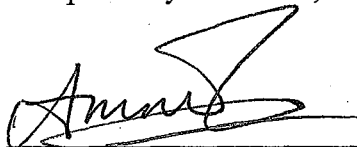
**Economic:** There are no economic development opportunities related to this report at this time.

**Environmental:** There are no environmental opportunities related to this report.

**Social Equity:** The City of Oakland continues to ensure that the Public Safety personnel are able to communicate during emergencies with minimal disruptions and thus to provide first responders the ability to respond during emergencies to all of Oakland's residents and the community.

For questions regarding this report, please contact Ahsan Baig, Information Technology Department at 510-238-3010.

Respectfully submitted,



for

Bryan M. Sastokas  
Chief Information Officer  
Information Technology Department

Prepared by:  
David Cruise  
IS Supervisor, Wireless Services  
Public Safety Systems Services  
Information Technology Department

Reviewed by:  
Ahsan Baig  
IS Manager, Public Safety Systems Services  
Information Technology Department

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## OAKLAND CITY COUNCIL

  
City Attorney

RESOLUTION No. \_\_\_\_\_ C.M.S.

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**RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR, OR HIS DESIGNEE,  
TO:**

- 1) **ENTER INTO AN AGREEMENT WITH AVIAT U.S., INC. IN AN AMOUNT OF ONE HUNDRED THOUSAND DOLLARS (\$100,000.00) PER YEAR FOR A PERIOD OF FIVE YEARS FOR A TOTAL CONTRACT AMOUNT OF FIVE HUNDRED THOUSAND DOLLARS (\$500,000.00) FOR THE PURCHASE OF EQUIPMENT, PRODUCTS, EXTENDED WARRANTY, MAINTENANCE AND RELATED PROFESSIONAL SERVICES, AND**
- 2) **WAIVE THE CITY'S ADVERTISING, COMPETITIVE BID AND REQUEST FOR PROPOSALS/QUALIFICATIONS (RFP/Q) REQUIREMENTS FOR THE ABOVE PURCHASES**

**WHEREAS**, the City currently owns and operates a microwave network which provides network connectivity across nine sites around the city; and

**WHEREAS**, this microwave network supports public safety communications and the City's 911 infrastructure; and

**WHEREAS**, a well maintained and supported microwave network is vital to ensuring the City's mission critical technology performs to the highest degree of availability and without interruption; and

**WHEREAS**, Aviat Networks, Inc. manufactured and installed the City's microwave network in 2011 and has performed the engineering, maintenance and support under an existing maintenance agreement; and

**WHEREAS**, Aviat U.S., Inc. is a wholly-owned subsidiary of Aviat Networks, Inc.; and

**WHEREAS**, the existing maintenance agreement with Aviat Networks, Inc. expired on December 31, 2014; and

**WHEREAS**, in order to maintain continuity of service for various public safety related applications it is critical that this maintenance agreement be renewed; and

**WHEREAS**, the City will require specialized professional services from Aviat Networks, Inc. during the term of this maintenance agreement in order to fulfill the Council's direction of utilizing the microwave network to enhance the resilience of the East Bay Regional Communications System Authority P-25 network in order to benefit the City's 911 centers; and

**WHEREAS**, Oakland Municipal Code (OMC) Title 2, Chapter 2, Article I, Section 2.04.051.A requires staff to conduct a competitive Request for Proposal/Qualification (RFP/Q) selection process for the procurement of professional services in excess of \$25,000.00; and

**WHEREAS**, OMC Title 2, Chapter 2, Article I, Section 2.04.050 requires formal advertising and competitive bidding when the City purchases services, supplies or a combination thereof that exceeds \$50,000, and

**WHEREAS**, OMC Title 2, Chapter 2, Article I, Section 2.04.050.I.5 permits the Council to waive formal advertising and competitive bidding upon a finding and determination that it is in the best interests of the City to do so; and

**WHEREAS**, OMC Title 2, Chapter 2, Article I, Section 2.04.051.B permits the Council to waive the competitive RFP/Q competitive selection requirement upon a finding and determination that it is in the best interests of the City to do so; and

**WHEREAS**, the City Administrator has determined that the services that will be needed as part of this maintenance contract are of a professional, scientific or technical and temporary nature and shall not result in the loss of employment or salary by any person having permanent status in the competitive service; now therefore, be it

**RESOLVED**, that the City Council hereby authorizes the City Administrator or his designee to negotiate and award a five year contract to Aviat U.S., Inc. in an amount not to exceed one hundred thousand dollars (\$100,000) per year for a period of five years for an amount not to exceed five hundred thousand dollars (\$500,000) for renewal of a maintenance agreement to support the City's microwave network; and be it

**FURTHER RESOLVED**, that pursuant to Oakland Municipal Code OMC Title 2, Chapter 2, Article I, Sections 2.04.050.I.5 and 2.04.051.B the Council hereby finds and determines that it is in the best interests of the City to waive advertising, bidding and the competitive request for proposal/qualifications processes because Aviat is the sole manufacturer of the microwave equipment currently installed in Oakland, provided the original installation and configuration of the various components of the current microwave network thus the firm has pre-existing, in-depth knowledge of and experience with the current system components, their configuration and the design considerations behind their original installation, and has in-depth knowledge of their products combined with the knowledge and experience they have regarding the existing Oakland installation should lead to the most cost-effective maintenance at the highest levels of quality; and be it

**FURTHER RESOLVED**, that the maintenance agreement shall be funded by the radio fund (4200), Org (46241), Project (0000000); and be it

**FURTHER RESOLVED**, That the City Administrator or his designee is hereby authorized to complete all required negotiations, certifications, assurances and documentation required to accept modify, extend and/or amend the agreement, and be it

**FURTHER RESOLVED**, that the contracts shall be reviewed and approved by the City Attorney and placed on file in the Office of the City Clerk.

IN COUNCIL, OAKLAND, CALIFORNIA, \_\_\_\_\_

**PASSED BY THE FOLLOWING VOTE:**

AYES - BROOKS, GALLO, GUILLEN, KALB, KAPLAN, REID, CAMPBELL-WASHINGTON and  
PRESIDENT GIBSON McELHANEY

NOES -

ABSENT -

ABSTENTION -

ATTEST: \_\_\_\_\_

LaTonda Simmons  
City Clerk and Clerk of the Council  
of the City of Oakland, California