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OAKLAND

2012 APR 26 AM 8:48

AGENDA REPORT

TO: DEANNA J. SANTANA
CITY ADMINISTRATOR

FROM: Vitaly Troyan, Director PWA

SUBJECT: Automated Vehicle Locators

DATE: March 28, 2012

City Administrator
Approval

Date

4-25-12

COUNCIL DISTRICT: City-Wide

RECOMMENDATION

Staff recommends acceptance of this resolution authorizing the City Administrator to increase spending authority on the existing contract with Networkfleet, Inc., and to waive advertising and bidding requirement of the Oakland Municipal Code as authorized by City Council Resolution No. 83120 C.M.S. on December 21, 2010, for the purchase and mounting of additional automated vehicle locator (AVL) units for both the Public Works Agency (PWA) and Parking Enforcement vehicles. The additional authority increases the contract limit by \$250,000, which brings the total contract amount not to exceed \$350,000.

OUTCOME

The City of Oakland, Public Works Agency purchased and installed 225 Networkfleet AVL units within PWA vehicles. Of these, 125 units were part of implementing the Cityworks computerized maintenance management system software in 2009, and the remaining units were done under the contract authorized in City Council Resolution No. 32120 C.M.S. There are approximately 200 remaining vehicles that are not equipped with AVL units (in PWA and Parking Enforcement), and 100 other non-public safety vehicles not equipped with AVL units. With the AVL units, supervisors use the information to more efficiently deploy staff, especially on emergency requests that arise during the course of the work day.

BACKGROUND/LEGISLATIVE HISTORY

On September 18, 2007, City Council Resolution No. 80847 C.M.S. authorized the purchase and implementation of the Computerized Maintenance Management System, Cityworks, for PWA from VESTRA Resources, Inc. ("VESTRA"), following a competitive Request for Proposals process. VESTRA served as the prime consultant, with Networkfleet, Inc., as a supplier providing AVL units and data services. The project implementation, completed in 2009, included the installation of 125 automated vehicle locator (AVL) units in PWA vehicles such that staff

Item: _____

Finance and Management Committee
May 8, 2012

may readily identify the location of these vehicles for day-to-day operational efficiencies as well as for emergency response.

On December 21, 2010, City Council Resolution No. 83120 C.M.S. authorized the City Administrator to enter into a contract with Networkfleet, Inc for the purchase and installation of an additional 100 automated vehicle locator (AVL) units in an amount not to exceed \$100,000 over a five year period. Additional funding is needed to install AVL units in the remaining PWA vehicles. In addition, Parking Enforcement vehicles will be equipped with Networkfleet AVL units. The Networkfleet AVL units provide more information at a lower price than the existing AVL units used in Parking Enforcement (from Trimble @Road).

The AVL units have provided significant value to day-to-day operations. With Networkfleet's AVL devices, managers can improve driver safety, vehicle utilization, and maintenance by accessing current GPS location and diagnostics data anytime, anywhere via the Internet.

ANALYSIS

Automated vehicle locator (AVL) units are sold by a number of companies. Each is proprietary in that the data provided through the AVL unit can only be provided by the company in which the unit was purchased. AVL units are typically sold by the unit for a one-time cost and the data services associated with the unit are provided at a monthly fee.

PWA has 225 vehicles currently equipped with Networkfleet, Inc. AVL units. Networkfleet, Inc. provides extensive services including:

- On-board diagnostics that benefit the Equipment Services Division in maintaining the City's fleet, including integration with AssetWorks, the City's Fleet Management System
- Global Positioning System (GPS) tracking with 2 minute intervals, including date, time, maximum speed, location, odometer, etc. and geofencing capabilities
- Standard reporting, including excess speeds, idle time, geo-fencing, begin/end of day, fuel usage, fuel efficiency, etc.

Oakland Municipal Code sections 2.04.050.A and E require advertising and the solicitation for bids for products and incidental services related to the products, and award, if made, to the lowest responsive, responsible bidder. It would be most efficient and cost effective to forego advertising and bidding for the purchase of additional AVL units for more vehicles because it would minimize administrative costs and the burden on staff to manage multiple systems and result in more consistency in the operation and use of the AVL units. In addition, data services provided for each AVL unit is only provided by the company from which the AVL unit was purchased. Therefore, conducting an advertising and bidding process for additional AVL units is not practicable or in the City's best interest in this circumstance.

Item: _____
Finance and Management Committee
May 8, 2012

PWA seeks approval of the resolution, so that the Networkfleet AVL units can be installed in all PWA and Parking Enforcement vehicles. The resolution requests a \$250,000 increase in the contract limit. This amount covers the cost of the Networkfleet AVL units and installation in all remaining PWA vehicles and all Parking Enforcement vehicles. There are approximately 100 additional vehicles outside of PWA and Parking Enforcement. The \$250,000 increase in the contract limit would potentially allow for Networkfleet AVL devices to be purchased and installed in all non-public safety vehicles.

PUBLIC OUTREACH/INTEREST

This item did not require any public outreach.

COORDINATION

This report was prepared in coordination with PWA's Assistant Director, Project Manager and the Parking Division to ensure that the City of Oakland's fleet would be equipped with the AVL units.

COST SUMMARY/IMPLICATIONS

This should include

1.	COST ELEMENTS OF AGREEMENT/CONTRACT:	
	Equipment (\$475 per Unit * 300 Vehicles)	\$142,500
	Monthly Service Plan	\$107,500
	TOTAL AGREEMENT/CONTRACT AMOUNT	\$250,000

2. **SOURCE OF FUNDING:**

Each work unit (e.g., within PWA and Parking) will be responsible for funding the costs of each additional AVL unit (purchase, installation and monthly subscription) within their existing budget allocation.

3. **FISCAL IMPACT:**

The one-time cost for the purchase and mounting of an AVL unit is \$475. This unit price is valid for the full period of the contract (through December 2015). The ongoing cost for the access and usage service fees associated with each AVL unit is \$24.95 per unit, per month (which is approximately \$300 per unit annually). These monthly fees can be terminated on a per unit basis should the City determine that the data services received through an AVL unit is no longer needed.

The increase in the contract authority that this resolution authorizes will allow but not require additional AVL units to be purchased and installed. Therefore if the City decides to not purchase additional devices, it does not incur additional cost.

Currently, PWA has 225 AVL units installed and operational, and expends approximately \$6,250 per month (\$75,000 annually) for data services. Each work unit (e.g., within PWA and Parking) will be responsible for funding the costs of each additional AVL unit (purchase, installation and monthly subscription) within their existing budget allocation.

SUSTAINABLE OPPORTUNITIES

Economic:

The purchase and use of AVL units improves the efficiency and effectiveness in which PWA crews are deployed. These benefits translate to better management of the City's infrastructure.

Environmental:


The use of Networkfleet AVL provides data and reporting related to the fuel usage, fuel efficiency, and idling time of each vehicle. This data can be used to improve the City's fleet usage.

Social Equity:

Council action approving the attached resolution is not expected to generate any social equity opportunities.

For questions regarding this report, please contact Jason Mitchell, Agency Administrative Manager, at 510.238.3926.

Respectfully submitted,



Vitaly B. Troyan, P.E.
Director, Public Works Agency

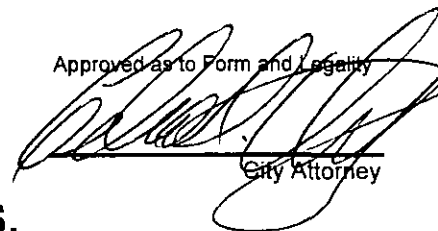
Prepared by:
Jason Mitchell, Agency Administrative Manager
Administrative Division, Public Works Agency

Item: _____
Finance and Management Committee
May 8, 2012

2012 APR 26 AM 9:48

OAKLAND CITY COUNCIL

Approved as to Form and Legality



City Attorney

RESOLUTION No. _____ C.M.S.

Introduced by Councilmember _____

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR TO INCREASE SPENDING AUTHORITY ON THE EXISTING CONTRACT WITH NETWORKFLEET, INC., AND TO WAIVE ADVERTISING AND BIDDING REQUIREMENT OF THE OAKLAND MUNICIPAL CODE AS AUTHORIZED BY CITY COUNCIL RESOLUTION NO. 83120 C.M.S. ON DECEMBER 21, 2010, FOR THE PURCHASE AND MOUNTING OF ADDITIONAL AUTOMATED VEHICLE LOCATOR (AVL) UNITS FOR BOTH THE PUBLIC WORKS AGENCY (PWA) AND PARKING ENFORCEMENT VEHICLES. THE ADDITIONAL AUTHORITY INCREASES THE CONTRACT LIMIT BY \$250,000, WHICH BRINGS THE TOTAL CONTRACT AMOUNT NOT TO EXCEED \$350,000

WHEREAS, the City of Oakland, Public Works Agency (PWA) uses Automated Vehicle Locator (AVL) technology in association with its Cityworks computerized maintenance management system; and

WHEREAS, the use of AVL technology has significantly improved efficiency and effectiveness in managing day-to-day operations of staff work in related to maintenance and repair of the City's physical infrastructure; and

WHEREAS, the AVL units and on-going data services are supplied by Networkfleet, Inc., through a City contract with another company (VESTRA RESOURCES, Inc.) that was hired to implement PWA's Cityworks program, a computerized system that PWA uses to track 1) services requests from the public and City departments, and 2) work orders performed by staff; and

WHEREAS, Networkfleet AVL units are currently mounted to 225 vehicles used by the Public Works Agency and each of these units provides on-board diagnostics and global positioning system information; and

WHEREAS, staff recommends that the City purchase additional 300 AVL units for the 200 remaining vehicles that are not equipped with AVL units (in PWA and Parking Enforcement), and 100 other non-public safety vehicles not equipped with AVL units; and

WHEREAS, the original contract term was for a period of three years expiring December 2015;

and

WHEREAS, the City wishes to increase the term of the current contract with Networkfleet Inc. for AVL purchases and the monthly service agreement by \$250,000, which brings the total contract amount not to exceed \$350,000; and

RESOLVED, that the City Administrator is hereby authorized to increase spending authority on the existing contract with Networkfleet, Inc., authorized by City Council Resolution No. 83120 C.M.S. on December 21, 2010 by \$250,000, which brings the total contract amount not to exceed \$350,000, for the purchase and mounting of additional automated vehicle locator (AVL) units for both the Public Works Agency (PWA), Parking Enforcement vehicles and other non-public safety vehicles; and be it

FURTHER RESOLVED, that pursuant to Oakland Municipal Code Section 2.04.050.A the City Council finds that h is in the best interest of the City to waive the advertising and bidding requirements of the Oakland Municipal Code for the purchase of Automated Vehicle Locator units and installation and data services based on the reasons cited above and in the City Administrator's report accompanying this Resolution.

IN COUNCIL, OAKLAND, CALIFORNIA, _____

PASSED BY THE FOLLOWING VOTE:

AYES - BROOKS, BRUNNER, DE LA FUENTE, KAPLAN, KERNIGHAN, NADEL, SCHAAF and PRESIDENT REID

NOES -

ABSENT -

ABSTENTION -

ATTEST: _____

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