



Legislation Text

File #: 08-0857, **Version:** 1

Recommendation to authorize City Manager to execute the Twentieth Amendment to Agreement No. 23214 with CompuDyne Public Safety & Justice, Inc. (formerly known as Tiburon, Inc.), to provide an Automatic Vehicle Location (AVL) Historical Redisplay upgrade and site license for the existing Computer Aided Dispatch (CAD) system in an amount not to exceed \$57,000. (Citywide)

On October 5, 1993, the City Council authorized Agreement No. 23214 with Tiburon, Inc., now CompuDyne Public Safety & Justice, Inc., (CompuDyne) for the purchase of Computer Aided Dispatch (CAD) and Records Management System (RMS) software and maintenance for the Police and Fire Departments. That Agreement has been amended several times to provide for customization of software, annual maintenance, and most recently, to add CAD access to the Airport security operations.

The CompuDyne CAD software is a mission critical application used by the Police and Fire Departments to process calls for service from the public and manage field resources. The calls for service and field activity data captured by CAD is also used for planning activities relative to staffing, crime analysis and Homeland security. The CAD system is also used to support the Signal Hill Police Department and security operations at the Long Beach Airport.

The Long Beach Police Department, in conjunction with the Long Beach Fire Department and the Technology Services Department, would like to upgrade the existing CAD system with an Automatic Vehicle Location enhancement that will provide added capabilities for tracking Police Department field unit activity on digital map displays within Police Communications. The proposed AVL upgrade will leverage existing Global Positioning System (GPS) technology, existing digital mapping and current air card connectivity for a very cost effective system deployment.

Currently, Patrol field units are equipped with a GPS unit that maps their specific unit location on the digital map display within their respective vehicle. Utilizing the proposed AVL enhancement, the existing GPS data in the field unit will be transported over an air card connection to Police Communications. The unit location information will then be plotted on the same map display now being used to display calls for service from the public. Once calls for service and field unit locations are married onto the same digital map display, the Communications dispatchers will be provided with a real time situational awareness that will allow them to better optimize their field resources while also improving service to the public. '

Beyond providing a dynamic field unit map location display, the proposed AVL system will also support historical redisplay of the unit location information or history. By simply inputting date and unit identifier parameters, the AVL system will graphically replay the earlier unit history in a map-based format/display. The "history redisplay" feature represents an important supervisory tool that can be used to tactically review an incident or issue.

Most importantly, the new AVL system will greatly improve field officer safety as each police unit

location will be tracked and monitored by Police Communications at all times. Should a field unit need emergency assistance, the Communications Center will not only already know the unit's location, they will also know the location of the nearest available unit that can provide assistance.

The overall AVL system is actually comprised of two separate enhancement proposals that are being processed. The first enhancement provides for an AVL site license that will allow all Police Department vehicles to access the proposed AVL system. The second enhancement provides for an AVL software upgrade to the existing CAD system that is needed to support the historical redisplay of AVL data. .

This letter was reviewed by Deputy City Attorney Gary J. Anderson and Victoria Bell, Budget Management Officer, on August 8, 2008.

The AVL system will be funded with grant funds that must be properly encumbered by September 30, 2008 to meet the grant funding requirements. Therefore, City Council action on this matter is requested on September 2, 2008,

The total cost for the A VL History Redisplay system and site license upgrade is \$57,000 including tax. There will also be a \$10,000 increase in the yearly CAD maintenance that will start in year two (2) of the system operation. The AVL system will be funded by JAG Byrne 05 Grant monies. Future maintenance costs will be included in future proposed Police Department budgets.

Approve recommendation.

Anthony W. Batts
Chief of Police

David W. Ellis
Fire Chief

Curtis Tani
Director of Technology Services

NAME
TITLE

APPROVED:

PATRICK H. WEST
CITY MANAGER