

LOS ANGELES FIRE DEPARTMENT



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FIRE CHIEF

October 4, 2012

BOARD OF FIRE COMMISSIONERS
FILE NO. 12-175

TO: Board of Fire Commissioners

FROM: Brian L. Cummings, Fire Chief

SUBJECT: STATUS OF AUTOMATIC VEHICLE LOCATION SYSTEM

FOR INFORMATION ONLY:	<input type="checkbox"/> Approved	<input type="checkbox"/> Approved w/Corrections	<input type="checkbox"/> Withdrawn
	<input type="checkbox"/> Denied	<input type="checkbox"/> Received & Filed	<input type="checkbox"/> Other

For Information Only

Progress since Report of April 9, 2012:

Significant progress has been made since our last report. Phase 1 Computer Aided Dispatch (CAD) integration efforts resumed during the month of April. The goal of this phase is to complete a working Automatic Vehicle Location (AVL) system in our test CAD environment located at Metro Fire Communications dispatch center. The following integration items were successfully completed:

- GPS integration to the on-board map providing "real-time" vehicle location.
- Automatic entry routing on receipt of dispatch.
- Automatic communication of "real-time" vehicle location information to the dispatch center AVL system
- Two way communication between the AVL system and the current computer aided dispatch (CAD) system.
- The "real time" visualization on a digital map of the actual location each equipped vehicle.

With the completion of the above listed items, all integration efforts for phase I: GPS, in vehicle mapping, and CAD have been completed.

Project seed monies provided 500 GPS receivers. As of our last report we had approximately 172 installations remaining. We have provided our Rescue Ambulance builder with 33 GPS and we expect to begin receiving the ambulances in two weeks. Beginning in November four ambulances per month will be placed into field service.

We also provided nine GPS units to KME for fire engines we expect to receive in four to six months. We completed one installation at the ITA radio shops. The approximately 130 remaining GPS installations are being done at the time of regular radio upgrade. Our fleet is over 600 vehicles and to ensure each vehicle is equipped with GPS and we maintain enough spare parts we will need to purchase approximately 150 additional GPS receivers.

We anticipated acquiring 219 mobile data computers (MDC) via grant application. However, the grant will actually provide for 78 units. We expect to acquire these MDCs in the first quarter of 2013. We will still need to purchase approximately 225 units to replace older units that do not have the necessary computing power to run current software.

Background:

In Fiscal Year 2009-2010, as a result of the successful Tactical Information Program (TIP) pilot project, the LAFD was provided seed monies in the amount of \$400k for the beginning phase of an automatic vehicle location (AVL) system. The seed monies provided for 500 mapping software licenses with GPS receivers and integration services. The AVL system will utilize the existing Mobile Data Computer (MDC) system with the addition of mapping software and a GPS antenna.

Board report prepared by Xenophon A. Gikas, Jr., Captain, Metropolitan Fire Communications, "A" Platoon.