



OFFICE OF THE CITY MANAGER

NO. LTC # **313-2013**

LETTER TO COMMISSION

TO: Mayor Matti Herrera-Bower and Members of the City Commission

FROM: Jimmy L. Morales, City Manager

DATE: September 4, 2013

SUBJECT: **AUTOMATED VEHICLE LOCATOR SYSTEM STATUS UPDATE**

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The purpose of this Letter to Commission is to provide the Mayor and City Commission an Automated Vehicle Locator (AVL) System Status Update.

**BACKGROUND**

On December 8, 2010, the Mayor and City Commission of the City of Miami Beach, Florida accepted the City Manager's recommendation pertaining to the ranking of proposals pursuant to Request for Proposals (RFP) No. 39-09/10, for the acquisition of an AVL system and authorized the Administration to enter into negotiations with the top-ranked proposer, Radio Satellite Integrators, Inc (RSI), and further authorized the Mayor and City Clerk to execute an agreement upon the conclusion of successful negotiations by the Administration (Resolution No. 2010-7561). The Administration successfully negotiated with RSI and executed an agreement on June 27, 2011.

**PROGRAM ROLLOUT UPDATE**

Since the rollout of the Automated Vehicle Locator (AVL) Program, AVL units have been installed in (509) vehicles in eight City departments. The installation process is on-going, and it is anticipated that the program will reach a projected installed total of over (800) AVL units by the end of 2014. Slightly over 50% of the installations to date have been on Police Department vehicles. AVL installations on Property Management Division vehicles were recently completed and installations on Parks and Recreation Department vehicles should be completed by September, 2013, with Public Works Department installations to follow.

The AVL system offers numerous vehicle data tracking features, alert monitoring, and reporting capabilities. Data, such as acceleration, over-speed, idling, ignition on/off, and starts/top movements are automatically available for all departments. Other unique notifications are provided to specific departments, such as gun rack open/closed, light bar on/off, and siren on/off, for use with Police Department patrol vehicles; and brushes up/down for Sanitation Division sweepers. Departments also have the ability to incorporate "Geofence" boundaries around specific zones, or City limits, for comparing actual vehicle location versus designated service or assigned operating areas. Departments opt to activate e-mail alerts when a certain event occurs, and utilize chronological vehicle activity reports to review specific, vehicle operating parameters.

The table below illustrates the various types of events monitored by departments with AVL units installed in their vehicles.

EVENT	POLICE	PARKING	BUILDING	CODE ENFORCEMENT	SANITATION	PROPERTY MGT.	PARKS	FIRE
Arrive Geofence				X				
Brush Down					X			
Brush Up					X			
Depart Geofence				X				
Gun Rack Closed	X							
Gun Rack Open	X							
High Acceleration	X	X	X	X	X	X	X	X
High Deceleration	X	X	X	X	X	X	X	X
Idling	X	X	X	X	X	X	X	X
Ignition Off	X	X	X	X	X	X	X	X
Ignition On	X	X	X	X	X	X	X	X
Light Bar Off	X							
Light Bar On	X							
Over-speed	X	X	X	X	X	X	X	X
Siren On	X							
Start Moving	X	X	X	X	X	X	X	X
Stop Moving	X	X	X	X	X	X	X	X
Trunk Open	X							

  
 JLMW TETC FRS