



# FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM ITS Operations Summary Report – December 2013



## Milestones:

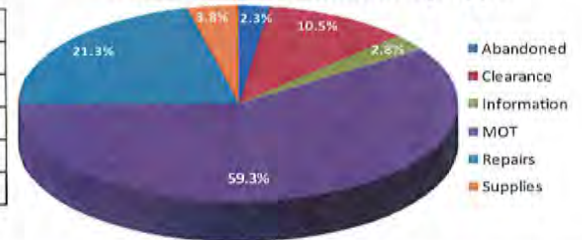
- Coordinated and supported lane closures with Project Managers and CEIs for various construction contracts: I-95 Pavement Rehabilitation, EL Phase 2, EL Delineator Maintenance, POMT, MDX Sign Replacement along I-95, SR 826 / SR 836 Reconstruction (Section 5), SR 826 at NW 25 Street (viaduct), US-1 Florida Keys Construction, and US-1 at MM 63 Emergency Roadwork / Repair.
- Optimized roadway operations during the following special events that impacted traffic: Orange Bowl Game and 2013 Toy in the Sun Run.
- Hosted 95 Express presentation for FDOT District Seven representatives and coordinated interview for WLRN in regard to 95 Express.
- Completed inventory of State Law Enforcement Radio System (SLERS).

## Event Summary:

Statistics	December 2013	FY 12/13 Avg.
Total Number of Events	3,440	3,261
Total Number of Lane Blockage Events	1,217	1,106
Average Lane Blockage Duration*	0:26:36	0:29:12
Total Number of Road Ranger Responses	3,329	3,213
Total Number of Road Ranger Activities	6,144	5,889

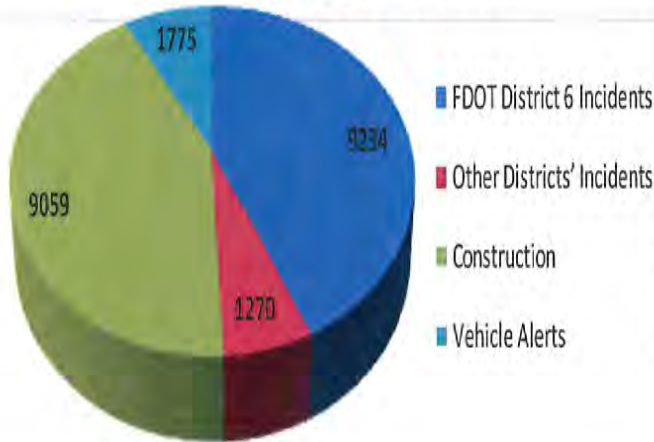
\*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.

## Road Ranger Activities by Type



**Traveler Information:** There were 60,082 calls from SE Florida to the Statewide 511 system for the month of December 2013.

## DMS Message by Type (Total DMS Messages = 21,338)



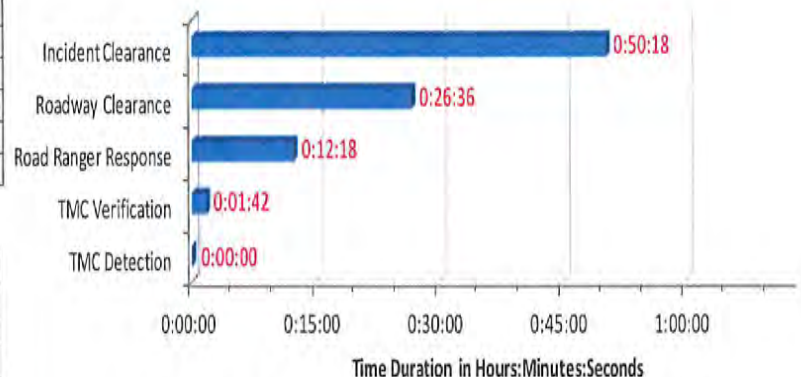
Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	10	1,190	3,332	99.92%
95 Express	4	458	1,191	99.84%
I-95 Arterial	8	1,326	4,295	97.47%
Golden Glades	5	1,148	3,980	99.96%
SR 826	12	1,106	2,950	99.69%
I-75	3	202	495	99.93%
I-195	3	28	49	100.00%
I-195 Arterial	3	248	791	99.76%
SR 826 Arterial	8	603	1,331	90.76%
I-395	2	352	828	99.12%
US 1 Miami-Dade Co	5	230	553	99.42%
US 1 S/ of Florida City	11	338	1,543	96.94%
<b>Total</b>	<b>74</b>	<b>7,229</b>	<b>21,338</b>	<b>97.94%</b>

Note: DMS 74, DMS 76, DMS 77, DMS 103, DMS 105, and DMS 113 are undergoing testing for Capital Improvement and are used periodically. Two additional DMS along the SR 826 Section 5 project are operational and are still under warranty; system availability is not measured for these devices. Two DMS along US-1 in Miami-Dade and Monroe County are operational and are still under warranty; system availability is not measured for these devices.

## TMC Operations and Maintenance:

### TMC Operations (Travel Lane Blocking Events Only)

Performance Measure	Dec. 2013	Target
DMS Efficiency	99.91%	>95%
TMC Operator Error Rate	0.35%	<0.59%
Road Ranger Dispatching Average	0:00:45	<0:02:00
Event Confirmation Average	0:01:42	<0:02:00
Time to Post DMS Average	0:02:21	<0:05:00
Agency Notification Average	0:01:37	<0:07:00



### ITS Systems Availability (FDOT Non-Operational)

Subsystem	Dec. 2013	Target
TMC Systems (critical)	99.98%	>99.90%
Video Wall	97.34%	N/A
SunGuide <sup>SM</sup> Software	99.75%	N/A
CCTV	96.93%	N/A
DMS	97.94%	N/A
Detectors	91.87%	N/A
TMC Systems (non-critical)	97.27%	N/A

Note: Time Durations include FDOT D6 Managed Events Only and excludes roadwork and special events. Road Ranger Response excludes Road Ranger detected events.