



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



## Milestones:

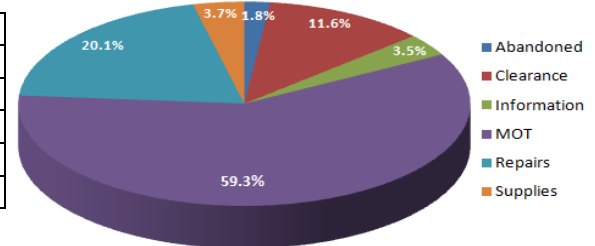
- Hosted tour for Israel's Ministry of Transportation, presented at Team Florida meeting (95 Express), and presented at Florida's Turnpike Manage Lanes Workshop.
- Coordinated meeting with FHP Troop "E" command staff for copper wire theft and attended National TIM Peer-2-Peer Exchange web conference.
- Coordinated with Project Managers and CEI for various construction projects: SR 826 / SR 836 Interchange Reconstruction (Section 5), 95 Express Phase 2, Port of Miami Tunnel (POMT), and I-95 Ramps (milling and resurfacing).
- Supported the following special events: Memorial Day Special Event Coordination with FHP and Miami Beach Police, MS Bike Ride, and 7 Mile Bridge Run.
- Completed moving the SunGuide backup servers to the Network Access Point (NAP) of America.

## Event Summary

Statistics	April 2013	FY 11/12 Avg.
Total Number of Events	3,346	3,325
Total Number of Lane Blockage Events	1,182	1,080
Average Lane Blockage Duration*	0:25:36	0:27:33
Total Number of Road Ranger Responses	3,240	3,240
Total Number of Road Ranger Activities	5,934	5,934

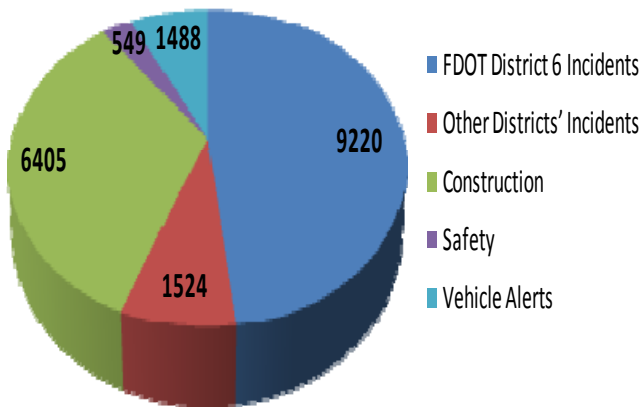
\*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.

## Road Ranger Activities by Type



**Traveler Information:** There were 71,224 calls from SE Florida to the Statewide 511 system for the month of April 2013.

## DMS Message by Type (Total DMS Messages = 19,186)



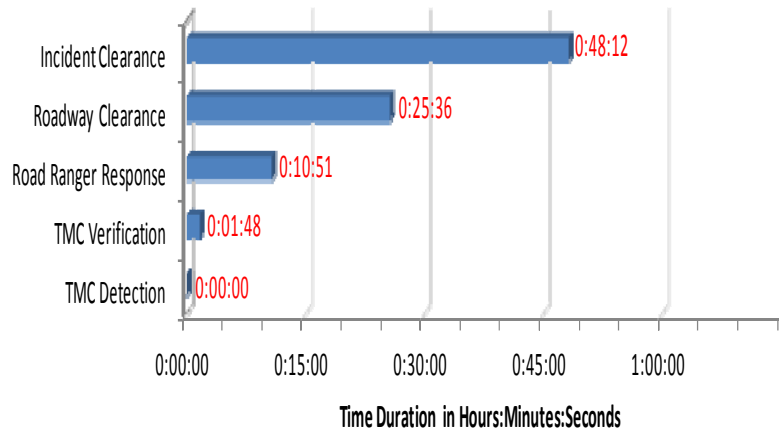
Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	10	946	2,974	99.19%
95 Express	4	342	1,025	94.00%
I-95 Arterial	8	942	3,363	93.75%
Golden Glades	5	830	2,872	99.81%
SR 826	12	1,101	3,470	99.82%
I-75	3	253	741	97.03%
I-195	3	23	67	N/A
I-195 Arterial	3	6	18	N/A
SR 826 Arterial	8	746	2,056	99.88%
I-395	2	285	822	99.71%
US 1 Miami-Dade Co	5	200	967	99.83%
US 1 S/ of Florida City	11	213	811	99.03%
<b>Total</b>	<b>74</b>	<b>5,887</b>	<b>19,186</b>	<b>98.35%</b>

Note: DMS 38, DMS 39, DMS 40, DMS 57, DMS 103, and DMS 105 are undergoing testing for Capital Improvement and are used periodically. DMS 74 and DMS 77 are encountering intermittent failures and have been placed under Capital Improvement. 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.

## TMC Operations and Maintenance:

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

Performance Measure	Apr. 2013	Target
DMS Efficiency	100%	>95%
TMC Operator Error Rate	0.38%	<0.59%
Road Ranger Dispatching Average	0:00:44	<0:02:00
Event Confirmation Average	0:01:48	<0:02:00
Time to Post DMS Average	0:02:17	<0:05:00
Agency Notification Average	0:01:37	<0:07:00



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

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

Subsystem	Apr. 2013	Target
TMC Systems (critical)	99.98%	>99.90%
Video Wall*	100%	N/A
SunGuide <sup>SM</sup> Software	100%	N/A
CCTV	93.87%	N/A
DMS	98.35%	N/A
Detectors	87.36%	N/A
TMC Systems (non-critical)	98.65%	N/A

\*Scheduled Video Wall replacement began on April 29, 2013