

ITS Operations Summary Report – May 2016

Milestones:

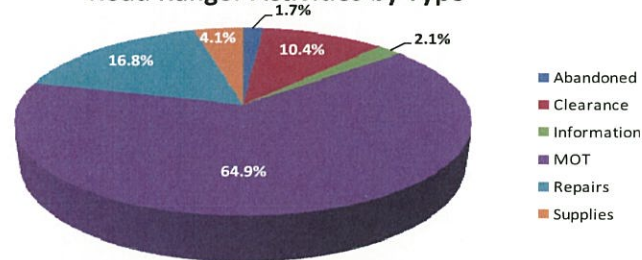
- Coordinated and Supported the Transportation Research Board (TRB) 15th International Conference on Managed Lanes: Hosted the SunGuide Transportation Management Center (TMC) tour; hosted the South Florida Managed Lanes Network tour.
- Special events (coordinated/supported): Memorial Day Weekend
- Coordinated with Project Managers and CEI for various construction closures; Created all pre-event and construction messaging plans for: 95 Express Phase 2, I-95 Pavement Rehabilitation Projects, SR 826/SR 836 Interchange Reconstruction, US-1 Keys Construction (Multiple Projects), I-75/SR 826 Express Lanes Project, and NW 25th Street Viaduct Project

Event Summary:

Statistics	May 2016	FY 14/15 Avg.
Total Number of Events	4,727	4,127
Total Number of Lane Blockage Events***	1,989	1,582
Average Lane Blockage Duration*	0:25:42	0:27:44
Total Number of Road Ranger Responses**	4,941	3,879
Total Number of Road Ranger Activities**	8,988	7,209

*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

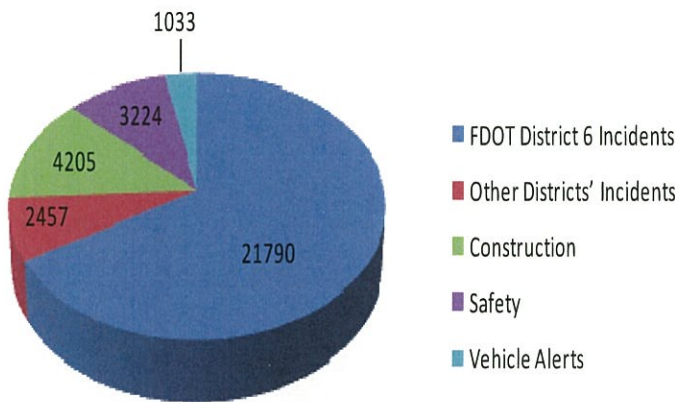
Road Ranger Activities by Type



Traveler Information: There were 48,766 calls from SE Florida to the Statewide 511 system for the month of May 2016.

DMS Message by Type

(Total DMS Messages = 32,709)



Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,934	5,469	99.98%
95 Express	6	765	2,127	98.35%
I-95 Arterial	8	1,325	3,038	82.85%
Golden Glades	5	1,094	2,979	100.00%
SR 826	12	1,621	5,396	99.21%
I-75	3	383	1,720	99.32%
I-195	2	163	682	100.00%
I-195 Arterial	3	268	776	97.72%
SR 826 Arterial	10	1,456	4,670	99.99%
I-395	2	554	1,420	97.79%
US 1 Miami-Dade Co	5	478	1,611	99.83%
US 1 S/ of Florida City	11	345	2,821	99.67%
Total	78	10,386	32,709	98.40%

Note: DMS 15 is undergoing Capital Improvement; messages posted on these devices are not computed and system availability is not measured. DMS 2, 3, 6, 109, 110, 111, 113, FLD6DOT095NB013.5-LL, FLD6DOT095NB014.8-EL, and FLD6DOT095SB014.6-EL along I-95 (EL Phase 2 project), 826SBNW103ST01 along SR 826 (I-75/SR 826 Express Lanes project), and four additional DMS along the SR 826 (Section 5 project) are operational and are still under warranty; system availability is not measured.

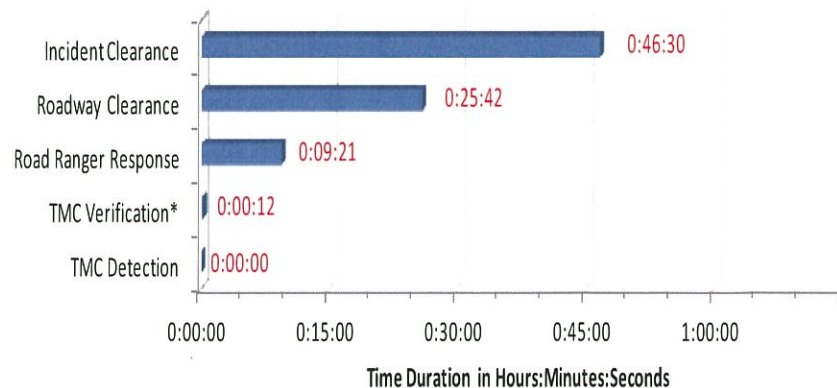
TMC Operations and Maintenance:

TMC Operations (Travel Lane Blocking Events Only)

Performance Measure	May 2016	Target
DMS Efficiency	99.88%	>95%
TMC Operator Error Rate	0.36%	<0.59%
Road Ranger Dispatching Average	00:00:43	<0:02:00
Event Confirmation Average	00:00:12	<0:02:00
Time to Post DMS Average	00:02:09	<0:05:00
Agency Notification Average	00:02:44	<0:07:00

ITS Systems Availability (FDOT Non-Operational)

Subsystem	May 2016	Target
TMC Systems (critical)	99.98%	>99.90%
Video Wall	99.81%	N/A
SunGuide SM Software	95.59%	N/A
CCTV	95.77%	N/A
DMS	98.40%	N/A
Detectors	88.62%	N/A
TMC Systems (non-critical)	99.39%	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.

ISO: 60178093