

ITS Operations Summary Report – October 2017

Milestones:

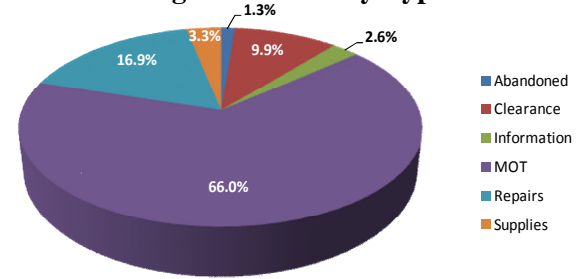
- Supported Express Lanes software installation and configuration in District Four
- Hosted Transportation Management Center (TMC)/Road Ranger/Florida Highway Patrol (FHP) Trooper coordination meeting
- Completed installation of new Storage Area Network (SAN) system; migration to the new SAN is 40% complete
- Coordinated with Project Managers and CEI for various construction closures. Created all pre-event and construction messaging plans for: I-75/SR 826 Express Lanes, I-95 Pavement Reconstruction, All Aboard Florida rail grade crossings, Miami Gardens Ramp Improvement, and US-1 Keys Construction (Multiple Projects).

Event Summary:

Statistics	October 2017	FY 16/17 Avg.
Total Number of Events	5,034	4,464
Total Number of Lane Blockage Events***	2,150	1,839
Average Lane Blockage Duration*	0:31:24	0:25:12
Total Number of Road Ranger Responses**	5,273	4,650
Total Number of Road Ranger Activities**	9,809	8,664

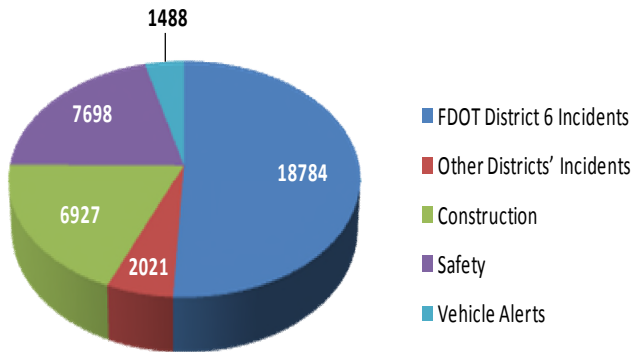
*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

Road Ranger Activities by Type



DMS Message by Type

(Total DMS Messages = 36,918)



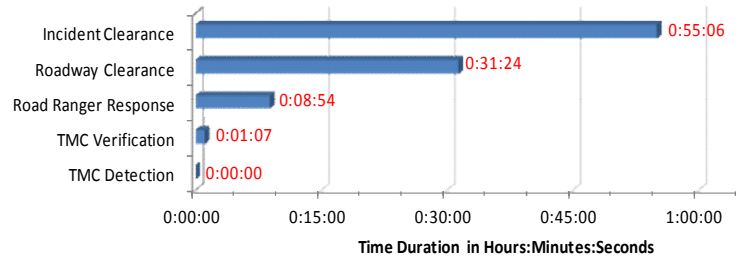
Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,086	8,721	87.38%
95 Express	6	1,024	4,173	97.97%
I-95 Arterial	8	901	3,777	64.57%
Golden Glades	5	306	1,287	31.66%
SR 826	12	1,411	4,982	89.67%
I-75	3	371	1,610	99.82%
I-195	2	200	953	95.31%
I-195 Arterial	3	248	1,130	66.67%
SR 826 Arterial	18	1,844	5,518	64.20%
I-395	2	695	2,593	99.02%
US 1 Miami-Dade Co	5	488	2,174	97.84%
US 1 S/ of Florida City	11	-	-	0.00%
Total	86	9,574	36,918	67.06%

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	October 2017	Target
TMC Systems (critical)	99.68%*	≥99.90%
TMC Systems (non-critical)	99.07%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide SM Software	92.71%	N/A
Video Wall	95.98%	N/A
Detectors	64.92%	N/A
CCTV	69.31%	N/A
DMS	67.06%	N/A

*Note that this number is impacted by the shutdown of server room equipment due to failed AC



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

TMC Operations

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	October 2017	Target	October 2017	Target
DMS Efficiency (Lane Blockage)	100.00%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.17	≤0.20	0.04	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.11	≤0.20	0.09	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:26	≤0:02:00	0:00:16	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:24	≤0:02:00	0:00:08	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:50	≤0:03:00	0:01:00	≤0:01:30
Agency Notification Average (Lane Blockage)	0:02:02	≤0:07:00	0:01:18	≤0:04:00