

ITS Operations Summary Report – December 2017

Milestones:

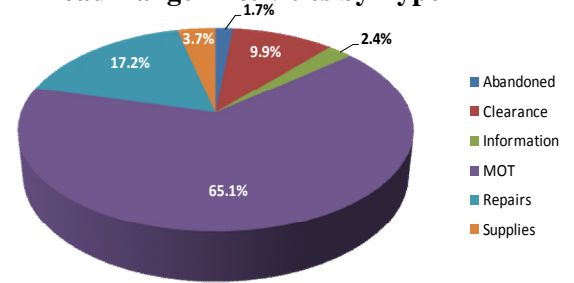
- Hosted Tour for Florida International University (FIU) Engineering Students
- Coordinated SHRP-2 Incident Management Training
- Supported Express Lanes Software Installation and Configuration in District Four
- Coordinated with Project Managers and CEI for various construction closures. Created all 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	December 2017	FY 16/17 Avg.
Total Number of Events	4,263	4,464
Total Number of Lane Blockage Events***	1,735	1,839
Average Lane Blockage Duration*	0:25:48	0:25:12
Total Number of Road Ranger Responses**	4,443	4,650
Total Number of Road Ranger Activities**	8,175	8,664

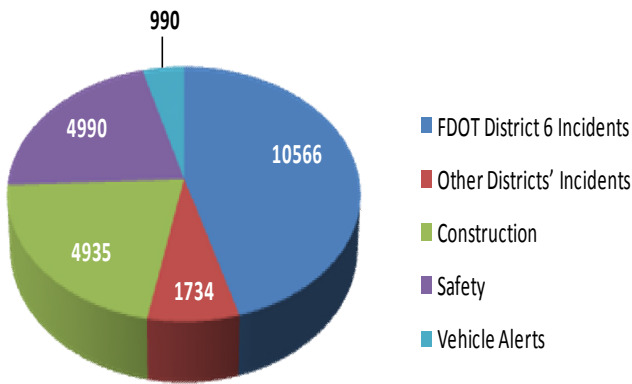
*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

Road Ranger Activities by Type



DMS Message by Type

(Total DMS Messages = 23,215)

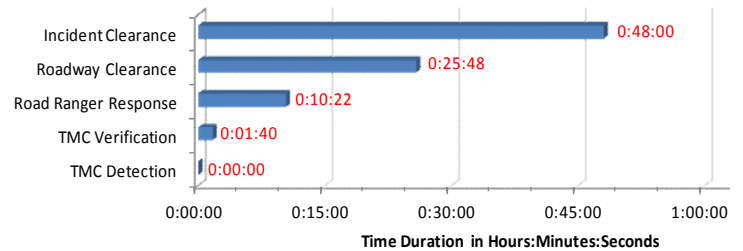


Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,826	5,210	93.24%
95 Express	6	893	2,820	99.74%
I-95 Arterial	8	649	1,784	63.48%
Golden Glades	5	110	357	68.61%
SR 826	12	1,021	3,271	77.64%
I-75	3	262	862	29.88%
I-195	2	154	447	100.00%
I-195 Arterial	3	289	782	79.09%
SR 826 Arterial	18	1,651	5,109	84.72%
I-395	2	533	1,334	97.78%
US 1 Miami-Dade Co	5	377	1,239	100.00%
US 1 S/ of Florida City	11	-	-	N/A†
Total	86	7,765	23,215	88.36%

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	December 2017	Target
TMC Systems (critical)	99.99%	>99.90%
TMC Systems (non-critical)	99.75%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide SM Software	94.70%	N/A
Video Wall	97.82%	N/A
Detectors†	60.27%	N/A
CCTV†	83.13%	N/A
DMS†	88.36%	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.

TMC Operations †Does not include devices currently under repair due to Hurricane Irma

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	December 2017	Target	December 2017	Target
DMS Efficiency (Lane Blockage)	99.85%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.17	≤0.20	0.09	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.11	≤0.20	0.10	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:31	≤0:02:00	0:00:21	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:30	≤0:02:00	0:00:05	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:37	≤0:03:00	0:00:54	≤0:01:30
Agency Notification Average (Lane Blockage)	0:02:25	≤0:07:00	0:01:22	≤0:04:00