ITS Operations Summary Report – May 2017
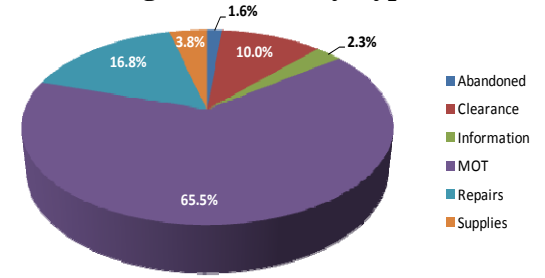
Milestones:

- Completed installation and integration of traffic detectors along SR 826 from SW 8th Street to US-1
- Coordinated and configured 11 portable changeable message signs for the Smart Work Zone Plan for the I-95 Rigid Pavement Reconstruction Project
- Prepare and support FHP Express Lanes Hireback training refresher course
- 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:

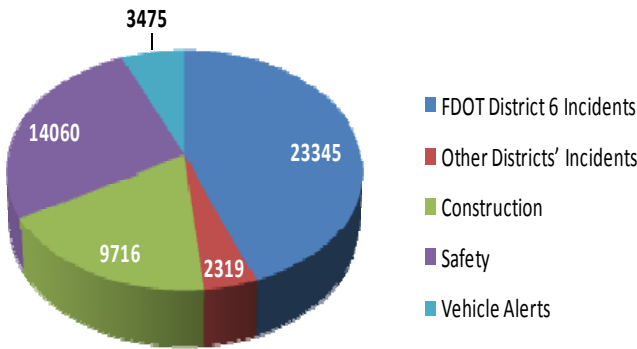| Statistics	May 2017	FY 15/16 Avg.
Total Number of Events	4,713	4,701
Total Number of Lane Blockage Events***	1,945	1,906
Average Lane Blockage Duration*	0:28:12	0:28:02
Total Number of Road Ranger Responses**	4,963	4,782
Total Number of Road Ranger Activities**	9,056	8,720

*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

- Abandoned — 1.6%
- Clearance — 10.0%
- Information — 2.3%
- MOT — 65.5%
- Repairs — 16.8%
- Supplies — 3.8%

DMS Message by Type
(Total DMS Messages = 52,915)

- FDOT District 6 Incidents — 23345
- Other Districts' Incidents — 2319
- Construction — 9716
- Safety — 14060
- Vehicle Alerts — 3475

Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,268	9,838	94.50%
95 Express	6	975	4,213	99.49%
I-95 Arterial	8	1,260	5,790	98.75%
Golden Glades	5	1,210	5,294	99.95%
SR 826	12	1,550	6,519	96.29%
I-75	3	459	2,393	99.86%
I-195	2	184	942	99.62%
I-195 Arterial	3	286	1,433	99.98%
SR 826 Arterial	18	2,209	8,696	90.37%
I-395	2	569	2,444	96.70%
US 1 Miami-Dade Co	5	500	2,363	100.00%
US 1 S/ of Florida City	11	441	2,990	88.99%
Total	**86**	**11,911**	**52,915**	**95.02%**

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	May 2017	Target
TMC Systems (critical)	99.99%	>99.90%
TMC Systems (non-critical)	99.26%	≥98.00%
www.sunguide.info	99.99%	≥98.00%
SunGuide SM Software	99.30%	N/A
Video Wall	100.00%	N/A
Detectors	92.41%	N/A
CCTV	95.33%	N/A
DMS	95.02%	N/A

Incident Clearance	0:47:54
Roadway Clearance	0:28:12
Road Ranger Response	0:10:18
TMC Verification	0:00:38
TMC Detection	0:00:00

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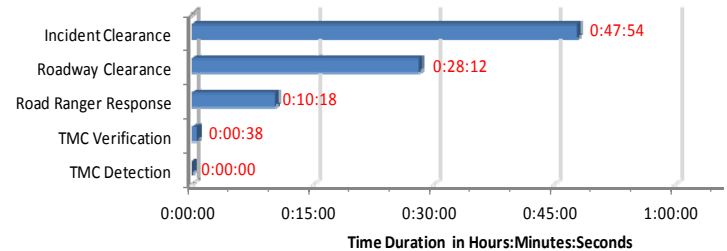
Note: Time Durations include FDOT D6 Managed Events only and excludes roadwork and special events. Road Ranger Response excludes Road Ranger detected events.

TMC Operations

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	May 2017	Target	May 2017	Target
DMS Efficiency (Lane Blockage)	99.92%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.50%	≤0.59%	0.15%	≤0.29%
TMC Operator Error Rate (Non-lane Blockage)	0.24%	≤0.59%	0.21%	≤0.29%
Road Ranger Dispatching Average (Lane Blockage)	0:00:31	≤0:02:00	0:00:20	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:00:44	≤0:02:00	0:00:14	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:58	≤0:03:00	0:00:52	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:56	≤0:07:00	0:01:21	≤0:04:00

ISO: 60509448 (BE193)