ITS Operations Summary Report – March 2019
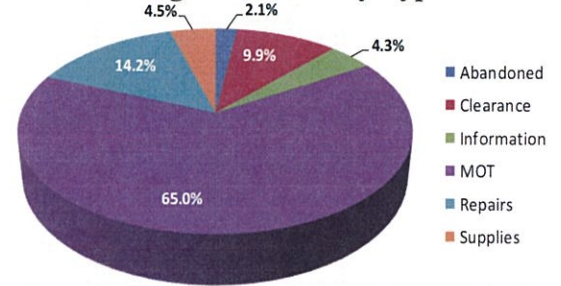
Milestones:

- Attended Florida Firefighters Safety & Health Collaborative meeting (Southeast Region)
- Successfully added new signalized intersection at SW 89 Avenue to the SW 8 Street adaptive signal system
- Special event coordination for Miami Tennis Open, Calle Ocho Festival, Spring Break road closures, Ultra music festival, FKCC Sprint Triathlon/Biathlon
- 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, 95 Express Lane Marker Maintenance, DMS Retrofit and Warning Gates, and US-1 Keys Construction (Multiple Projects).

Event Summary:

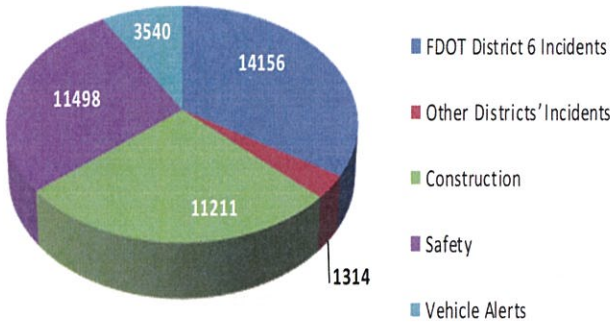| Statistics	March 2019	FY 17/18 Avg.
Total Number of Events	5,236	4,628
Total Number of Lane Blockage Events***	1,959	1,854
Average Lane Blockage Duration*	0:27:18	0:26:31
Total Number of Road Ranger Responses**	5,812	4,691
Total Number of Road Ranger Activities**	10,509	8,615

*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 4.5%
- Clearance 2.1%
- Information 9.9%
- MOT 65.0%
- Repairs 14.2%
- Supplies 4.3%

DMS Message by Type

(Total DMS Messages = 41,719)

- FDOT District 6 Incidents 14156
- Other Districts' Incidents 1314
- Construction 11211
- Safety 11498
- Vehicle Alerts 3540

Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,137	7,479	100.00%
95 Express	6	1,026	3,507	99.63%
I-95 Arterial	8	1,394	4,727	89.00%
Golden Glades	5	1,059	3,709	91.58%
SR 826	12	1,449	4,587	96.86%
I-75	4	311	1,259	95.72%
I-195	2	243	1,106	100.00%
I-195 Arterial	3	303	2,465	100.00%
SR 826 Arterial	18	2,054	7,786	99.91%
I-395	2	482	1,719	90.01%
US 1 Miami-Dade Co	5	411	1,822	100.00%
US 1 S/ of Florida City	11	210	1,553	96.67% †
Total	**87**	**11,079**	**41,719**	**97.31%**

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	March 2019	Target
TMC Systems (critical)	99.98%	>99.90%
TMC Systems (non-critical)	99.46%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide® Software	99.86%	N/A
Video Wall	99.99%	N/A
Detectors	90.98%	N/A
CCTV†	82.41%	N/A
DMS†	97.31%	N/A

- Incident Clearance 0:49:06
- Roadway Clearance 0:27:18
- Road Ranger Response 0:08:52
- TMC Verification 0:01:10
- TMC Detection 0:00:00

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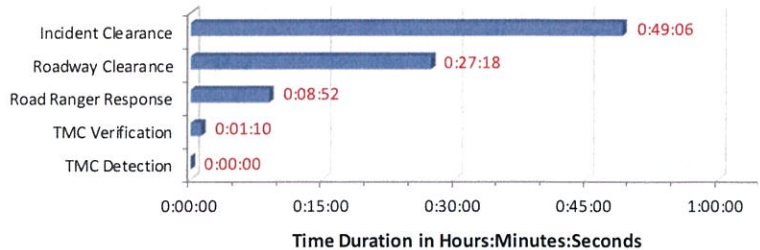
Note: Time Durations include FDOT D6 Managed Events only and excludes roadwork and special events. Road Ranger Response excludes Road Ranger detected events.

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

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	March 2019	Target	March 2019	Target
DMS Efficiency (Lane Blockage)	99.69%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.16	≤0.20	0.06	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.06	≤0.20	0.06	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:31	≤0:02:00	0:00:19	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:30	≤0:02:00	0:00:04	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:43	≤0:03:00	0:00:55	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:32	≤0:07:00	0:01:08	≤0:04:00

ISO: 60509448 (BE193)