ITS Operations Summary Report – November 2016
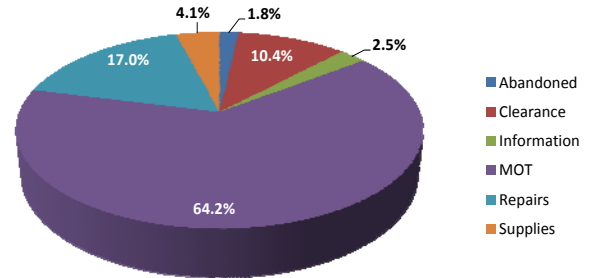
Milestones:

- District 6 staff participated and presented at Transpo2016 in West Palm Beach
- Completed 95 Express Sign Retrofit Project, replacing Toll Amount and Lane Status DMS on 95 Express Segment 1 NB with full color matrix DMS
- Coordinated with SEFRTOC, FHP, transit agencies and BSO in preparation of Toys in the Sun Run
- Coordinated with Project Managers and CEI for various construction closures. Created all pre-event and construction messaging plans for: 95 Express Phase 2, US-1 Keys Construction (Multiple Projects), I-75/SR 826 Express Lanes Project, and NW 25th Street Viaduct Project

Event Summary:

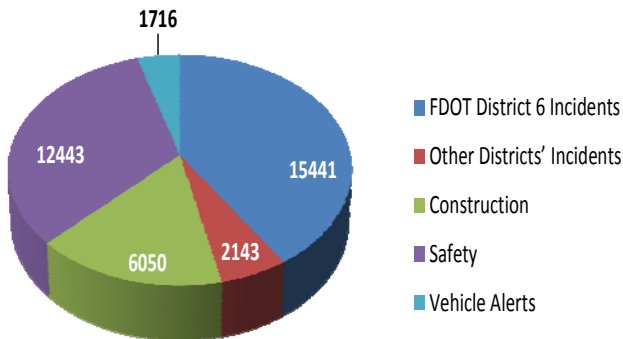| Statistics	November 2016	FY 15/16 Avg.
Total Number of Events	4,196	4,701
Total Number of Lane Blockage Events***	1,777	1,906
Average Lane Blockage Duration*	0:23:18	0:28:02
Total Number of Road Ranger Responses**	4,220	4,782
Total Number of Road Ranger Activities**	8,067	8,720

*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: 1.8%
- Clearance: 10.4%
- Information: 2.5%
- MOT: 64.2%
- Repairs: 17.0%
- Supplies: 4.1%

DMS Message by Type
(Total DMS Messages = 37,793)

- FDOT District 6 Incidents: 15441
- Other Districts' Incidents: 2143
- Construction: 6050
- Safety: 12443
- Vehicle Alerts: 1716

Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,998	6,987	99.76%
95 Express	6	849	3,047	99.89%
I-95 Arterial	8	1,047	3,279	99.11%
Golden Glades	5	958	3,447	99.26%
SR 826	12	1,323	5,195	94.16%
I-75	3	381	1,908	99.32%
I-195	2	161	684	100.00%
I-195 Arterial	3	270	1,110	99.93%
SR 826 Arterial	18	1,814	6,697	100.00%
I-395	2	530	1,370	96.58%
US 1 Miami-Dade Co	5	401	1,673	99.51%
US 1 S/ of Florida City	11	332	2,396	96.82%
Total	**86**	**10,064**	**37,793**	**98.43%**

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	October 2016	Target
TMC Systems (critical)	99.99%	>99.90%
TMC Systems (non-critical)	99.44%	≥98.00%
www.sunguide.info	99.99%	≥98.00%
SunGuide SM Software	94.65%	N/A
Video Wall	99.97%	N/A
Detectors	87.63%	N/A
CCTV	93.25%	N/A
DMS	98.43%	N/A

- Incident Clearance: 0:46:36
- Roadway Clearance: 0:23:18
- Road Ranger Response: 0:10:08
- TMC Verification: 0:00:17
- TMC Detection: 0:00:00

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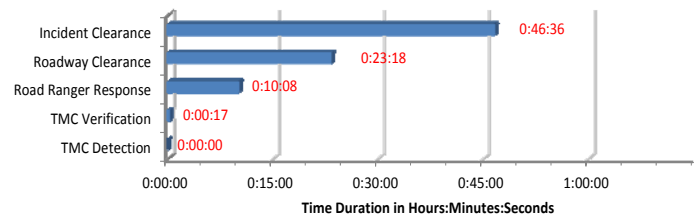
Note: Time Durations include FDOT D6 Managed Events only and excludes roadwork and special events. Road Ranger Response excludes Road Ranger detected events.

TMC Operations

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	October 2016	Target	October 2016	Target
DMS Efficiency (Lane Blockage)	99.91%	≥95%	100%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.35%	≤0.59%	0.17%	≤0.29%
TMC Operator Error Rate (Non-lane Blockage)	0.24%	≤0.59%	0.08%	≤0.29%
Road Ranger Dispatching Average (Lane Blockage)	0:00:37	≤0:02:00	0:00:20	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:00:21	≤0:02:00	0:00:01	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:54	≤0:03:00	0:00:59	≤0:01:30
Agency Notification Average (Lane Blockage)	0:02:22	≤0:07:00	0:01:27	≤0:04:00