

# ITS Operations Summary Report – March 2018

## Milestones:

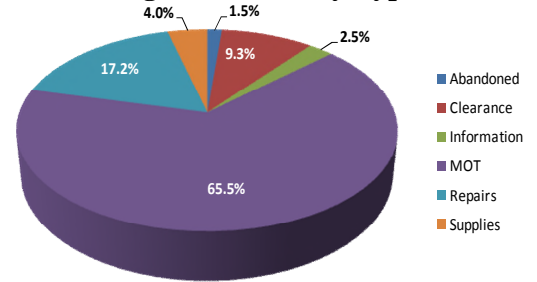
- Supported 75 Express launch within District Four limits
- Hosted tour and presentation for ITS delegates from Panama
- Special event coordination for the Miami Open Tennis Tournament, Calle Ocho, Ultra Music Festival, Peru v Croatia Soccer, 27<sup>th</sup> Annual Island Fest (Islamorada)
- Coordinated 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 2018	FY 16/17 Avg.
Total Number of Events	5,543	4,464
Total Number of Lane Blockage Events***	1,826	1,839
Average Lane Blockage Duration*	0:26:36	0:25:12
Total Number of Road Ranger Responses**	4,543	4,650
Total Number of Road Ranger Activities**	8,221	8,664

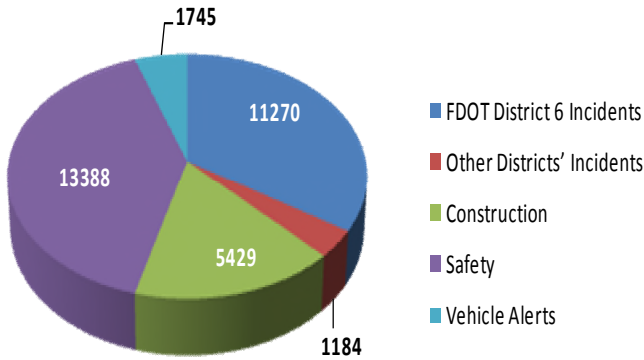
\*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.  
 \*\*Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.  
 \*\*\*SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

## Road Ranger Activities by Type



## DMS Message by Type

(Total DMS Messages = 33,016)



Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,115	7,352	98.45%
95 Express	6	896	3,283	99.64%
I-95 Arterial	8	1,043	3,399	81.49%
Golden Glades	5	625	1,998	69.04%
SR 826	12	1,251	4,201	90.68%
I-75	3	202	731	42.18%
I-195	2	214	770	99.82%
I-195 Arterial	3	234	1,044	97.38%
SR 826 Arterial	18	1,808	6,820	94.23%
I-395	2	475	1,354	96.03%
US 1 Miami-Dade Co	5	442	2,064	98.24%
US 1 S/ of Florida City	11	-	-	N/A†
<b>Total</b>	<b>86</b>	<b>9,305</b>	<b>33,016</b>	<b>90.29%</b>

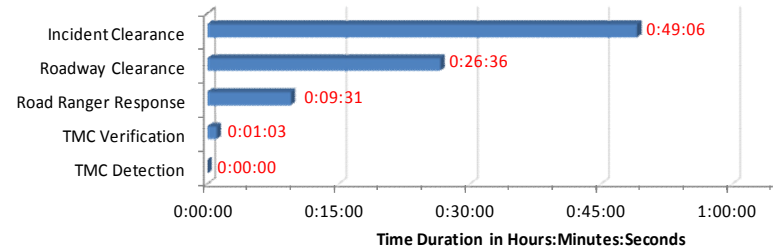
## Maintenance and TMC Operations:

### ITS Systems Availability (FDOT Non-Operational)

Subsystem	March 2018	Target
TMC Systems (critical)	99.98%	>99.90%
TMC Systems (non-critical)	99.62%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide <sup>SM</sup> Software	99.99%	N/A
Video Wall	99.99%	N/A
Detectors†	82.97%	N/A
CCTV†	92.40%	N/A
DMS†	90.29%	N/A

### TMC Operations

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



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

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	March 2018	Target	March 2018	Target
DMS Efficiency (Lane Blockage)	99.64%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.16	≤0.20	0.05	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.10	≤0.20	0.08	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:33	≤0:02:00	0:00:17	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:21	≤0:02:00	0:00:10	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:36	≤0:03:00	0:00:54	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:35	≤0:07:00	0:01:15	≤0:04:00