

# ITS Operations Summary Report – February 2018

## Milestones:

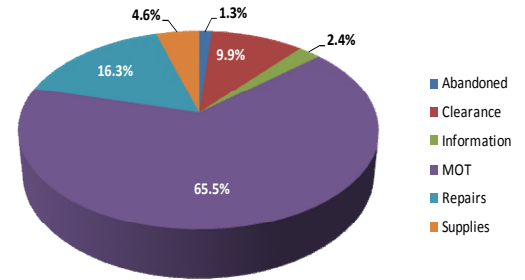
- Completed TSM&O Annual Report for FY 2016-2017
- Supported Florida Highway Patrol Hireback preparation for 75 Express
- Special event coordination for the Miami International Boat Show and the 23<sup>rd</sup> Annual Gigantic Nautical Flea Market, Islamorada.
- Coordinated with Project Managers and CEI for various construction closures. Created all pre-event and construction messaging plans for: I-75/SR 826 Express Lanes, I-95 Pavement Reconstruction, All Aboard Florida rail grade crossings, DMS Retrofit and Warning Gates, and US-1 Keys Construction (Multiple Projects).

## Event Summary:

Statistics	February 2018	FY 16/17 Avg.
Total Number of Events	3,997	4,464
Total Number of Lane Blockage Events***	1,682	1,839
Average Lane Blockage Duration*	0:26:18	0:25:12
Total Number of Road Ranger Responses**	3,966	4,650
Total Number of Road Ranger Activities**	7,230	8,664

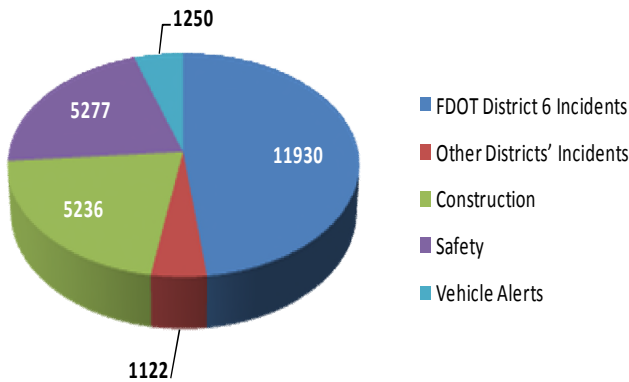
\*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.  
 \*\*Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.  
 \*\*\*SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

## Road Ranger Activities by Type



## DMS Message by Type

(Total DMS Messages = 24,815)



Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,878	5,286	99.71%
95 Express	6	869	2,395	99.91%
I-95 Arterial	8	1,111	3,216	99.04%
Golden Glades	5	848	2,605	95.64%
SR 826	12	1,046	2,754	83.70%
I-75	3	-	-	0.00%
I-195	2	197	511	100.00%
I-195 Arterial	3	295	973	99.93%
SR 826 Arterial	18	1,642	4,466	90.39%
I-395	2	513	1,264	98.13%
US 1 Miami-Dade Co	5	399	1,345	100.00%
US 1 S/ of Florida City	11	-	-	N/A†
<b>Total</b>	<b>86</b>	<b>8,798</b>	<b>24,815</b>	<b>90.76%</b>

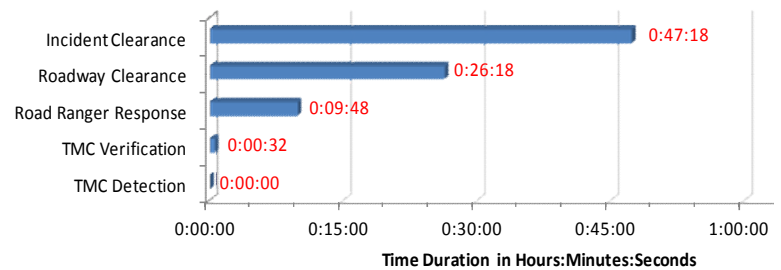
## Maintenance and TMC Operations:

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

Subsystem	February 2018	Target
TMC Systems (critical)	99.99%	>99.90%
TMC Systems (non-critical)	99.00%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide® Software	98.88%	N/A
Video Wall	99.57%	N/A
Detectors†	77.16%	N/A
CCTV†	94.38%	N/A
DMS†	90.76%	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	
	February 2018	Target	February 2018	Target
DMS Efficiency (Lane Blockage)	99.81%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.12	≤0.20	0.05	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.09	≤0.20	0.10	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:27	≤0:02:00	0:00:19	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:00:42	≤0:02:00	0:00:03	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:32	≤0:03:00	0:00:57	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:38	≤0:07:00	0:01:07	≤0:04:00