

# ITS Operations Summary Report – April 2018

## Milestones:

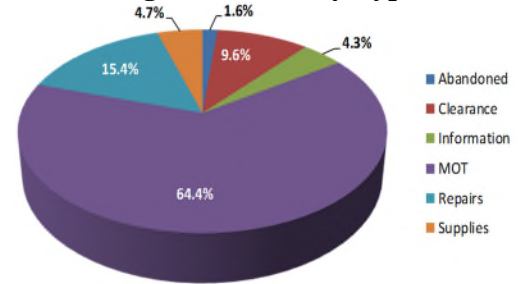
- Developed new TMC procedure for BOLO (be on the lookout) FHP calls
- Completed post Hurricane Irma repairs for the SW 8 Street adaptive signal control system
- Attended the PortMiami Tunnel mock catastrophe simulation drill
- Coordinated with Project Managers and CEI for various construction closures. 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	April 2018	FY 16/17 Avg.
Total Number of Events	4,770	4,464
Total Number of Lane Blockage Events***	1,863	1,839
Average Lane Blockage Duration*	0:27:24	0:25:12
Total Number of Road Ranger Responses**	4,863	4,650
Total Number of Road Ranger Activities**	8,794	8,664

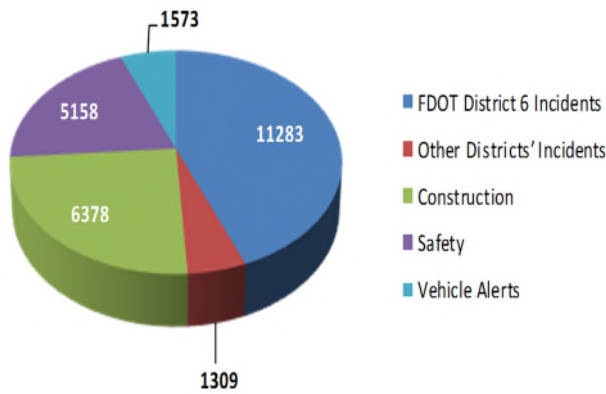
\*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.  
 \*\*Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.  
 \*\*\*SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

## Road Ranger Activities by Type



## DMS Message by Type

(Total DMS Messages = 25,701)



Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,128	5,440	99.95%
95 Express	6	895	2,424	99.70%
I-95 Arterial	8	1,247	3,160	97.92%
Golden Glades	5	921	2,619	95.07%
SR 826	12	1,229	3,308	87.51%
I-75	3	238	690	83.14%
I-195	2	246	697	99.56%
I-195 Arterial	3	303	929	99.91%
SR 826 Arterial	18	1,369	3,789	70.09%
I-395	2	571	1,336	98.00%
US 1 Miami-Dade Co	5	416	1,309	99.97%
US 1 S/ of Florida City	11	-	-	N/A †
<b>Total</b>	<b>86</b>	<b>9,563</b>	<b>25,701</b>	<b>89.46%</b>

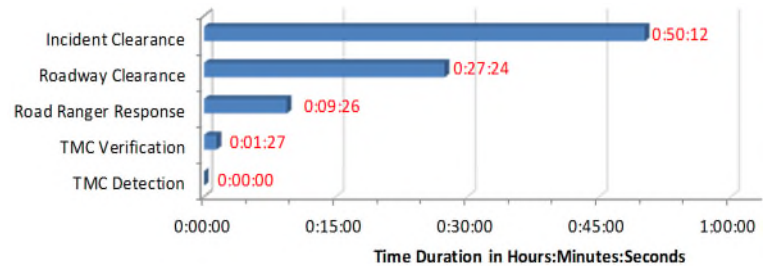
## Maintenance and TMC Operations:

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

Subsystem	April 2018	Target
TMC Systems (critical)	99.99%	>99.90%
TMC Systems (non-critical)	99.57%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide <sup>SM</sup> Software	96.82%	N/A
Video Wall	99.99%	N/A
Detectors †	84.35%	N/A
CCTV †	92.16%	N/A
DMS †	89.46%	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	
	April 2018	Target	April 2018	Target
DMS Efficiency (Lane Blockage)	99.82%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.17	≤0.20	0.05	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.09	≤0.20	0.09	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:26	≤0:02:00	0:00:19	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:49	≤0:02:00	0:00:03	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:41	≤0:03:00	0:01:02	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:47	≤0:07:00	0:01:11	≤0:04:00