

# ITS Operations Summary Report – May 2019

## Milestones:

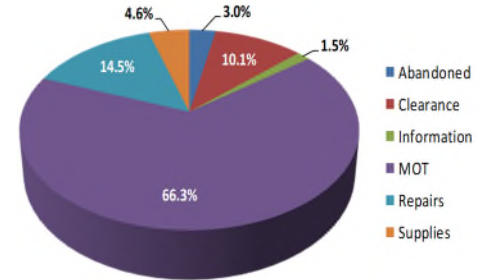
- Conducted Road Ranger refresher workshops
- Prepared regional TSM&O factsheet to the Southeast Florida Transportation Council (SEFTC) Regional Transportation Technical Advisory Committee
- Special event coordination for Rolling Loud music festival, Miami Air & Sea Show, and Tri Miami Triathlon
- Coordinated 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	May 2019	FY 17/18 Avg.
Total Number of Events	5,509	4,628
Total Number of Lane Blockage Events***	2,024	1,854
Average Lane Blockage Duration*	0:26:06	0:26:31
Total Number of Road Ranger Responses**	5,896	4,691
Total Number of Road Ranger Activities**	10,593	8,615

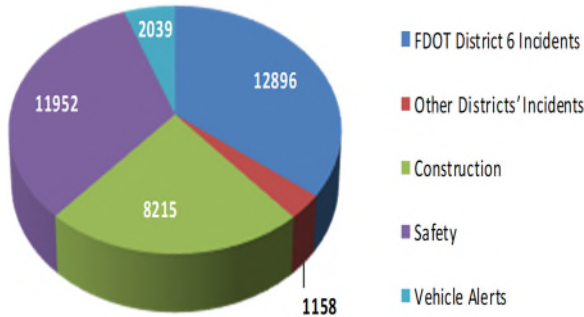
\*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.  
 \*\*Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.  
 \*\*\*SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

## Road Ranger Activities by Type



## DMS Message by Type

(Total DMS Messages = 36,260)

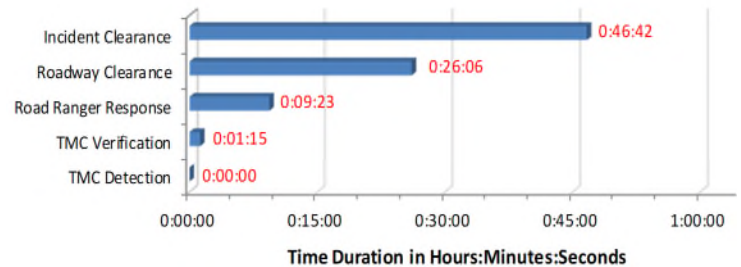


Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,201	6,919	97.29%
95 Express	6	1,017	2,982	93.60%
I-95 Arterial	8	1,396	4,149	86.26%
Golden Glades	5	1,038	3,292	99.67%
SR 826	12	1,504	4,405	99.27%
I-75	4	381	1,256	99.81%
I-195	2	260	1,048	100.00%
I-195 Arterial	3	348	1,474	99.56%
SR 826 Arterial	18	2,195	6,145	97.69%
I-395	2	619	1,736	99.29%
US 1 Miami-Dade Co	5	489	1,644	97.63%
US 1 S/ of Florida City	11	219	1,210	98.37% †
<b>Total</b>	<b>87</b>	<b>11,667</b>	<b>36,260</b>	<b>96.54%</b>

## Maintenance and TMC Operations:

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

Subsystem	May 2019	Target
TMC Systems (critical)	99.96%	>99.90%
TMC Systems (non-critical)	99.59%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide® Software	99.87%	N/A
Video Wall	100.00%	N/A
Detectors	88.73%	N/A
CCTV†	85.61%	N/A
DMS†	96.54%	N/A



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	
	May 2019	Target	May 2019	Target
DMS Efficiency (Lane Blockage)	99.69%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.18	≤0.20	0.08	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.06	≤0.20	0.05	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:33	≤0:02:00	0:00:22	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:33	≤0:02:00	0:00:11	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:40	≤0:03:00	0:01:02	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:36	≤0:07:00	0:01:13	≤0:04:00