

ITS Operations Summary Report – June 2019

Milestones:

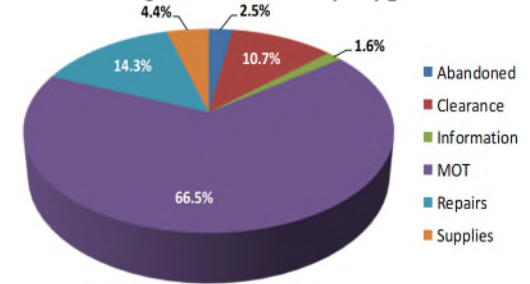
- Presented at the ITS America Annual Meeting in Washington, D.C.
- Presented at the I3 Transportation Showcase in Orlando, Florida
- Completed configuration of Palmetto Express and 75 Express in the Statewide Express Lanes Software (SELS)
- Coordinated with Project Managers and CEI for various construction 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	June 2019	FY 17/18 Avg.
Total Number of Events	4,971	4,628
Total Number of Lane Blockage Events***	1,908	1,854
Average Lane Blockage Duration*	0:28:12	0:26:31
Total Number of Road Ranger Responses**	5,469	4,691
Total Number of Road Ranger Activities**	9,823	8,615

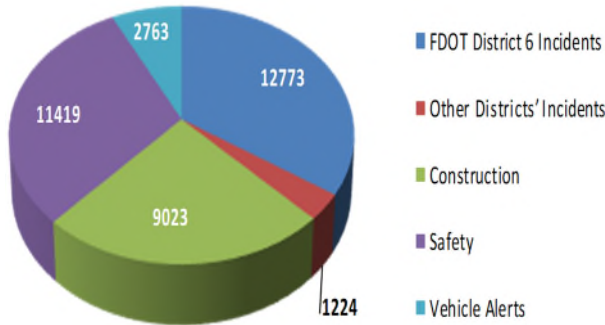
*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

Road Ranger Activities by Type



DMS Message by Type

(Total DMS Messages = 37,202)

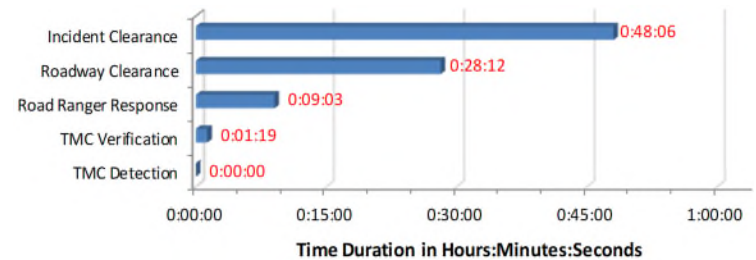


Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,152	7,435	100.00%
95 Express	6	989	2,915	98.55%
I-95 Arterial	8	1,267	4,070	84.48%
Golden Glades	5	1,028	3,296	93.34%
SR 826	12	1,176	3,519	98.31%
I-75	4	347	1,082	100.00%
I-195	2	210	1,105	99.27%
I-195 Arterial	3	293	1,855	96.55%
SR 826 Arterial	18	2,193	6,864	100.00%
I-395	2	657	2,063	99.22%
US 1 Miami-Dade Co	5	493	1,819	96.23%
US 1 S/ of Florida City	11	168	1,179	95.98% †
Total	87	10,973	37,202	96.80%

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	June 2019	Target
TMC Systems (critical)	99.95%	>99.90%
TMC Systems (non-critical)	99.49%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide® Software	99.14%	N/A
Video Wall	99.96%	N/A
Detectors	88.14%	N/A
CCTV†	81.96%	N/A
DMS†	96.80%	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	
	June 2019	Target	June 2019	Target
DMS Efficiency (Lane Blockage)	100.00%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.19	≤0.20	0.07	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.05	≤0.20	0.04	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:32	≤0:02:00	0:00:34	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:35	≤0:02:00	0:00:30	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:44	≤0:03:00	0:01:13	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:36	≤0:07:00	0:01:13	≤0:04:00