ITS Operations Summary Report – August 2018
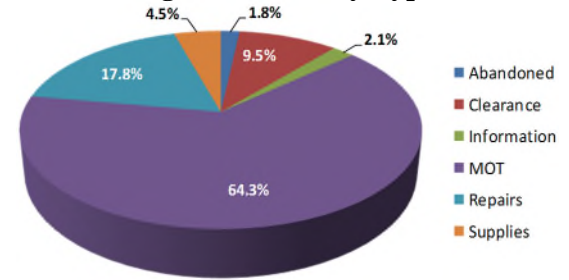
Milestones:

- Organized and attended training for Miami-Dade Transit compressed natural gas buses
- Coordinated school zone signal timings and flashing beacon schedule for four schools in Monroe County
- Provided Statewide Express Lanes Software (SELS) configuration support for District Two
- 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:

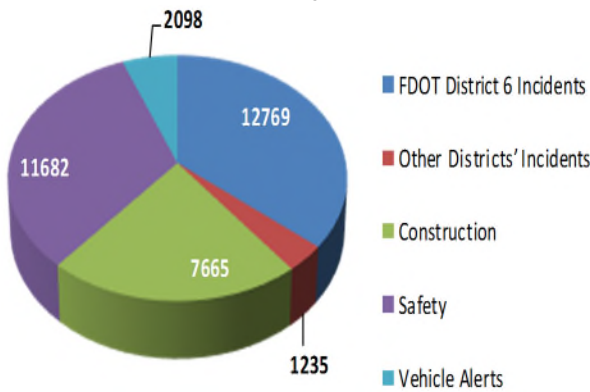| Statistics	August 2018	FY 16/17 Avg.
Total Number of Events	5,076	4,628
Total Number of Lane Blockage Events***	1,911	1,854
Average Lane Blockage Duration*	0:25:54	0:26:31
Total Number of Road Ranger Responses**	5,204	4,691
Total Number of Road Ranger Activities**	9,547	8,615

*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

- Abandoned
- Clearance
- Information
- MOT
- Repairs
- Supplies

4.5% 1.8% 2.1% 9.5% 17.8% 64.3%

DMS Message by Type
(Total DMS Messages = 35,449)

- FDOT District 6 Incidents — 12769
- Other Districts' Incidents — 1235
- Construction — 7665
- Safety — 11682
- Vehicle Alerts — 2098

Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,088	5,640	100.00%
95 Express	6	935	3,155	99.46%
I-95 Arterial	8	1,433	4,292	98.67%
Golden Glades	5	1,079	3,496	83.78%
SR 826	12	1,556	4,062	97.50%
I-75	4	347	1,224	99.75%
I-195	2	209	496	100.00%
I-195 Arterial	3	258	1,332	99.26%
SR 826 Arterial	18	2,207	7,223	93.08%
I-395	2	515	1,457	99.89%
US 1 Miami-Dade Co	5	498	1,984	100.00%
US 1 S/ of Florida City	11	221	1,088	62.45% †
Total	**87**	**11,346**	**35,449**	**93.57%**

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	August 2018	Target
TMC Systems (critical)	99.98%	>99.90%
TMC Systems (non-critical)	99.05%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide® Software	96.70%	N/A
Video Wall	97.81%	N/A
Detectors†	87.54%	N/A
CCTV†	82.22%	N/A
DMS†	93.57%	N/A

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

- Incident Clearance — 0:47:54
- Roadway Clearance — 0:25:54
- Road Ranger Response — 0:09:34
- TMC Verification — 0:01:36
- TMC Detection — 0:00:00

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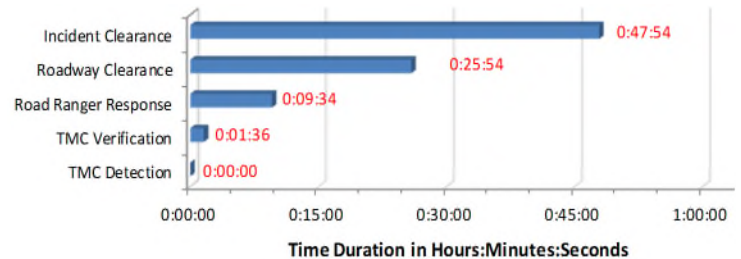
Note: Time Durations include FDOT D6 Managed Events only and excludes roadwork and special events. Road Ranger Response excludes Road Ranger detected events.

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	August 2018	Target	August 2018	Target
DMS Efficiency (Lane Blockage)	99.85%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.14	≤0.20	0.05	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.10	≤0.20	0.10	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:24	≤0:02:00	0:00:19	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:54	≤0:02:00	0:00:20	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:33	≤0:03:00	0:00:53	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:36	≤0:07:00	0:01:05	≤0:04:00