

ITS Operations Summary Report – November 2018

Milestones:

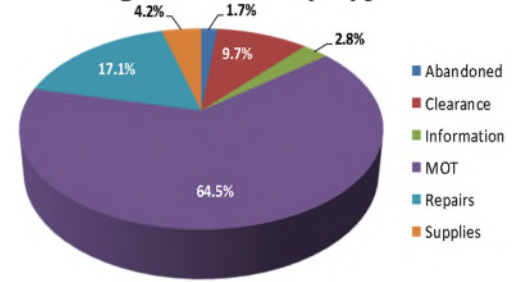
- Provided onsite traffic management support for a major race car event in Homestead
- Participated in National Traffic Incident Response Week
- Upgraded traffic signal controller equipment at signalized intersections from Key Largo to Stock Island
- Coordinated with Project Managers and CEI for various 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	November 2018	FY 17/18 Avg.
Total Number of Events	4,623	4,628
Total Number of Lane Blockage Events***	1,756	1,854
Average Lane Blockage Duration*	0:23:12	0:26:31
Total Number of Road Ranger Responses**	4,780	4,691
Total Number of Road Ranger Activities**	8,646	8,615

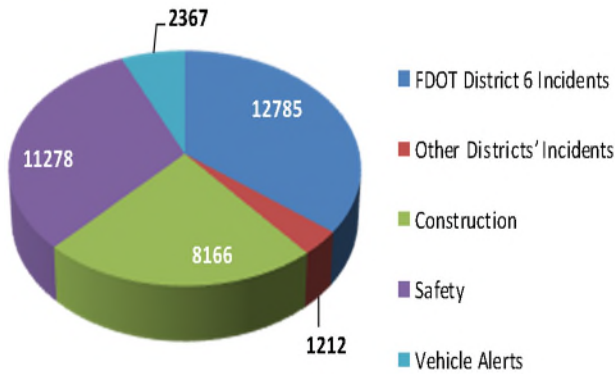
*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

Road Ranger Activities by Type



DMS Message by Type

(Total DMS Messages = 35,808)



Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,964	5,981	99.03%
95 Express	6	862	2,730	99.66%
I-95 Arterial	8	1,344	4,100	92.18%
Golden Glades	5	942	2,993	99.92%
SR 826	12	1,455	4,515	94.50%
I-75	4	302	1,070	93.15%
I-195	2	215	1,136	100.00%
I-195 Arterial	3	260	2,908	100.00%
SR 826 Arterial	18	1,886	6,091	98.39%
I-395	2	491	1,394	98.57%
US 1 Miami-Dade Co	5	395	1,538	100.00%
US 1 S/ of Florida City	11	205	1,352	87.31% †
Total	87	10,321	35,808	96.54%

Maintenance and TMC Operations:

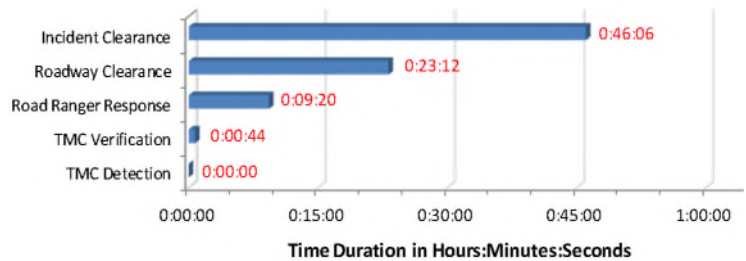
ITS Systems Availability (FDOT Non-Operational)

Subsystem	November 2018	Target
TMC Systems (critical)	99.96%	>99.90%
TMC Systems (non-critical)	99.83%	≥98.00%
www.sunguide.info††	100%	≥98.00%
SunGuide® Software	96.75%	N/A
Video Wall	100.00%	N/A
Detectors	91.75%	N/A
CCTV†	82.34%	N/A
DMS†	96.54%	N/A

†Does not include devices currently under repair due to Hurricane Irma
 ††Value reported on November 27, 2018. On that date, website was updated and moved to cloud web hosting service.

TMC Operations

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	November 2018	Target	November 2018	Target
DMS Efficiency (Lane Blockage)	99.67%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.17	≤0.20	0.06	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.08	≤0.20	0.08	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:25	≤0:02:00	0:00:18	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:00:52	≤0:02:00	0:00:19	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:40	≤0:03:00	0:00:51	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:26	≤0:07:00	0:01:10	≤0:04:00



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