

ITS Operations Summary Report – July 2018

Milestones:

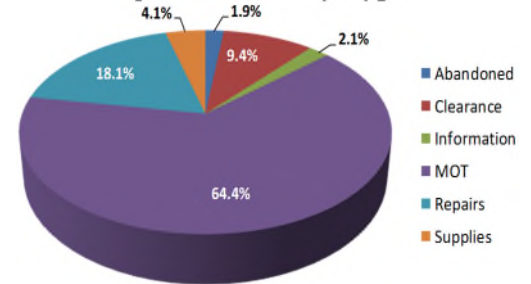
- Began operation & maintenance of signalized intersections along US-1 from Stock Island to Key Largo
- Transitioned to new Road Ranger services contract
- Special event coordination for the International Champions Cup (ICC) Soccer (Hard Rock Stadium) and Lobster Mini-Season (Monroe County)
- Coordinated 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	July 2018	FY 16/17 Avg.
Total Number of Events	4,801	4,628
Total Number of Lane Blockage Events***	1,777	1,854
Average Lane Blockage Duration*	0:28:36	0:26:31
Total Number of Road Ranger Responses**	4,808	4,691
Total Number of Road Ranger Activities**	8,665	8,615

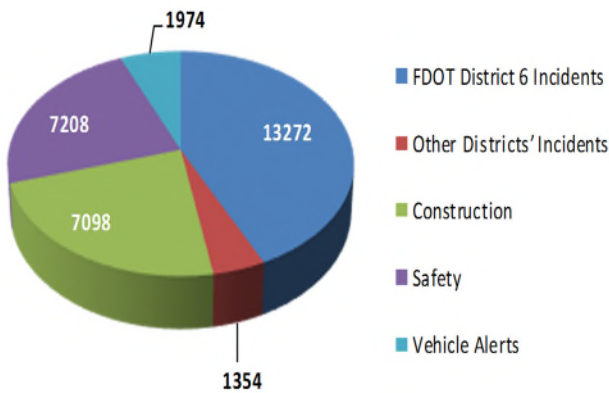
*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

Road Ranger Activities by Type



DMS Message by Type

(Total DMS Messages = 30,906)



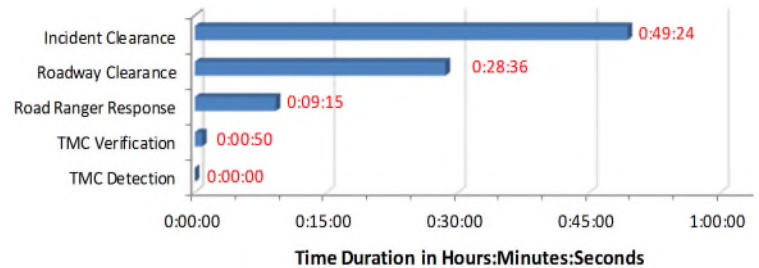
Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,868	5,035	99.96%
95 Express	6	926	3,001	99.55%
I-95 Arterial	8	1,149	3,649	90.89%
Golden Glades	5	972	3,236	99.66%
SR 826	12	1,495	3,909	94.16%
I-75	4	273	995	99.77%
I-195	2	179	410	100.00%
I-195 Arterial	3	217	514	98.53%
SR 826 Arterial	18	2,394	7,102	98.00%
I-395	2	495	1,389	99.95%
US 1 Miami-Dade Co	5	407	1,362	100.00%
US 1 S/ of Florida City	11	52	304	100.00% †
Total	87	10,427	30,906	97.64%

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	July 2018	Target
TMC Systems (critical)	99.98%	>99.90%
TMC Systems (non-critical)	98.67%	≥98.00%
www.sunguide.info	99.99%	≥98.00%
SunGuide SM Software	99.59%	N/A
Video Wall	99.22%	N/A
Detectors†	85.50%	N/A
CCTV†	85.41%	N/A
DMS†	97.64%	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	
	July 2018	Target	July 2018	Target
DMS Efficiency (Lane Blockage)	100.00%	≥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)	0.12	≤0.20	0.05	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:25	≤0:02:00	0:00:17	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:04	≤0:02:00	0:00:01	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:29	≤0:03:00	0:00:50	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:32	≤0:07:00	0:01:13	≤0:04:00