

ITS Operations Summary Report – September 2017

Milestones:

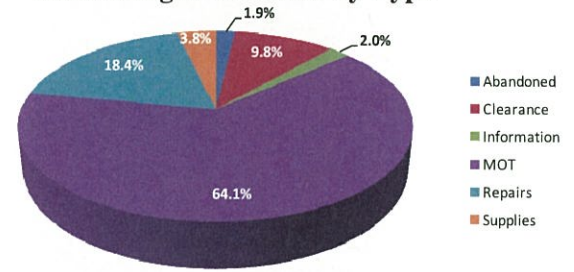
- Supported District Six Emergency Operations Center (EOC) and State EOC before, during, and after Hurricane Irma.
- Coordinated deployment of Road Rangers to support evacuation plans and post storm recovery for Hurricane Irma.
- Deployed staff to Florida's Turnpike Operations Center in Turkey Lake for remote Transportation Management Center (TMC) operations during Hurricane Irma.
- 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, All Aboard Florida rail grade crossings, Miami Gardens Ramp Improvement, and US-1 Keys Construction (Multiple Projects).

Event Summary:

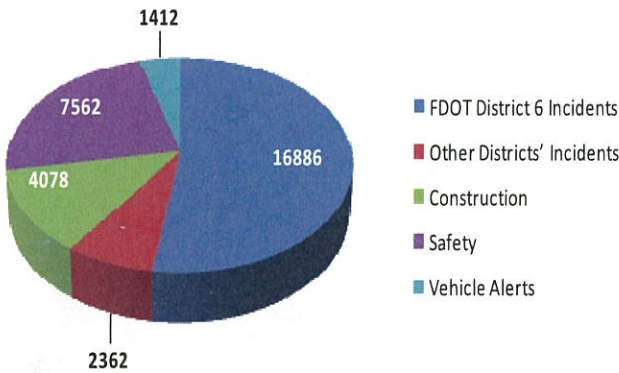
Statistics	September 2017	FY 16/17 Avg.
Total Number of Events	3,803	4,464
Total Number of Lane Blockage Events***	1,457	1,839
Average Lane Blockage Duration*	0:29:06	0:25:12
Total Number of Road Ranger Responses**	4,259	4,650
Total Number of Road Ranger Activities**	7,906	8,664

*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 = 32,300)

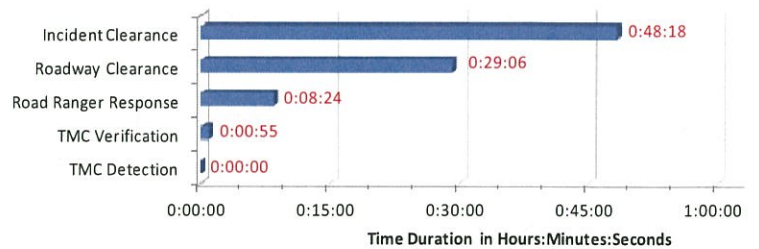


Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,680	8,437	88.16%
95 Express	6	636	2,767	71.05%
I-95 Arterial	8	607	2,763	54.50%
Golden Glades	5	589	2,774	59.82%
SR 826	12	840	3,790	69.62%
I-75	3	291	1,166	85.21%
I-195	2	125	612	72.58%
I-195 Arterial	3	198	1,090	56.20%
SR 826 Arterial	18	1,120	3,842	55.98%
I-395	2	483	2,313	98.59%
US 1 Miami-Dade Co	5	320	1,472	79.59%
US 1 S/ of Florida City	11	150	1,274	26.58%
Total	86	7,039	32,300	63.02%

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	September 2017	Target
TMC Systems (critical)	95.87% *	>99.90%
TMC Systems (non-critical)	93.31% *	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide SM Software	93.25%	N/A
Video Wall	99.27%	N/A
Detectors	69.77%	N/A
CCTV	69.22%	N/A
DMS	63.02%	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

*Note that this number is impacted by the shutdown of office equipment in preparation for Hurricane Irma

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	September 2017	Target	September 2017	Target
DMS Efficiency (Lane Blockage)	100.00%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.25 **	≤0.20	0.08	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.12	≤0.20	0.10	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:28	≤0:02:00	0:00:18	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:10	≤0:02:00	0:00:05	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:38	≤0:03:00	0:00:35	≤0:01:30
Agency Notification Average (Lane Blockage)	0:02:12	≤0:07:00	0:01:16	≤0:04:00

**TMC Operator Error Rate for the Lane Blockage incidents taking place on the Non-Toll General Use Lanes was affected due to the impact of Hurricane Irma