



ITS Operations Summary Report – April 2019

Milestones:

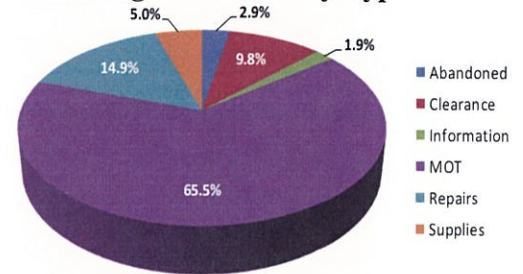
- Developed iNWS (interactive National Weather Service) interface with OTM Incident Detection Module
- Implemented signal retiming plans for ten traffic signalized intersections along US-1 in the Florida Keys
- Conducted FHP Express Lane Hireback Training
- Coordinated with Project Managers and CEI for 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:

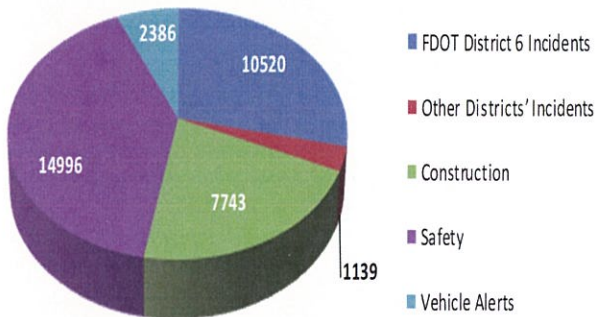
Statistics	April 2019	FY 17/18 Avg.
Total Number of Events	5,033	4,628
Total Number of Lane Blockage Events***	1,808	1,854
Average Lane Blockage Duration*	0:23:36	0:26:31
Total Number of Road Ranger Responses**	5,322	4,691
Total Number of Road Ranger Activities**	9,693	8,615

*Includes roadways with Road Ranger coverage and excludes roadway 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 = 36,784)

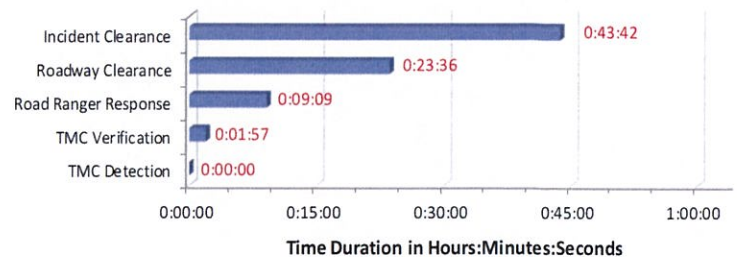


Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,942	6,502	94.02%
95 Express	6	918	3,081	100.00%
I-95 Arterial	8	1,148	3,575	80.56%
Golden Glades	5	897	3,066	97.81%
SR 826	12	1,387	4,801	95.94%
I-75	4	388	1,547	99.46%
I-195	2	226	993	100.00%
I-195 Arterial	3	300	1,768	99.84%
SR 826 Arterial	18	1,839	6,490	98.09%
I-395	2	559	1,735	99.64%
US 1 Miami-Dade Co	5	427	1,779	99.95%
US 1 S/ of Florida City	11	172	1,447	83.36% †
Total	87	10,203	36,784	94.42%

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	April 2019	Target
TMC Systems (critical)	99.97%	>99.90%
TMC Systems (non-critical)	99.59%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide® Software	100.00%	N/A
Video Wall	99.97%	N/A
Detectors	91.56%	N/A
CCTV†	82.30%	N/A
DMS†	94.42%	N/A



Note: Time Durations include FDOT D6 Managed Events only and excludes roadway 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	
	April 2019	Target	April 2019	Target
DMS Efficiency (Lane Blockage)	100.00%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.15	≤0.20	0.07	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.05	≤0.20	0.09	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:26	≤0:02:00	0:00:18	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:56	≤0:02:00	0:00:11	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:43	≤0:03:00	0:00:55	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:41	≤0:07:00	0:00:54	≤0:04:00