

ITS Operations Summary Report – October 2018

Milestones:

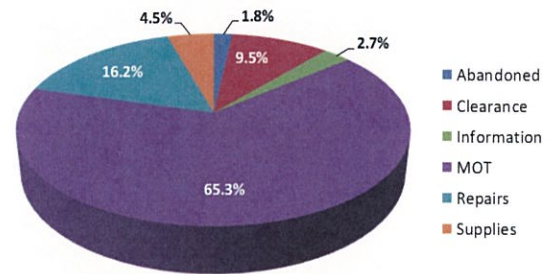
- Presented at the ITS 5C Summit in Jacksonville, Florida
- Supported team presentations at Annual Florida Institute of Transportation Engineers (ITE) meeting in Coral Springs, Florida
- Participated in District Six FDOT Days event
- Coordinated with Project Managers and CEI for various construction 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	October 2018	FY 16/17 Avg.
Total Number of Events	5,202	4,628
Total Number of Lane Blockage Events***	2,104	1,854
Average Lane Blockage Duration*	0:23:18	0:26:31
Total Number of Road Ranger Responses**	5,222	4,691
Total Number of Road Ranger Activities**	9,517	8,615

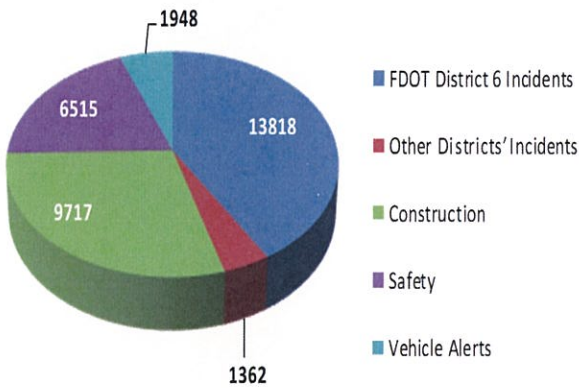
*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

Road Ranger Activities by Type



DMS Message by Type

(Total DMS Messages = 33,360)

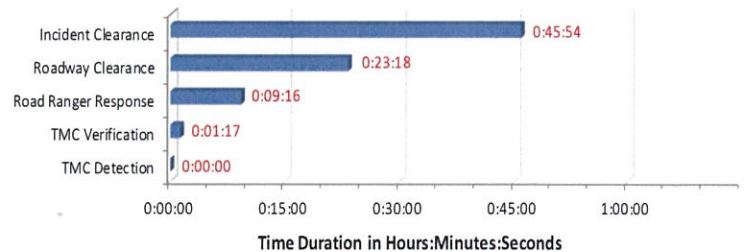


Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,296	5,541	99.71%
95 Express	6	1,071	2,584	99.72%
I-95 Arterial	8	1,587	4,081	94.46%
Golden Glades	5	1,109	2,885	99.50%
SR 826	12	1,737	4,105	97.64%
I-75	4	369	1,029	99.64%
I-195	2	234	933	100.00%
I-195 Arterial	3	278	2,623	100.00%
SR 826 Arterial	18	2,348	5,841	93.74%
I-395	2	543	1,227	99.53%
US 1 Miami-Dade Co	5	504	1,538	99.93%
US 1 S/ of Florida City	11	234	973	92.07% †
Total	87	12,310	33,360	96.93%

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	October 2018	Target
TMC Systems (critical)	99.99%	>99.90%
TMC Systems (non-critical)	99.60%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide® Software	99.93%	N/A
Video Wall	99.98%	N/A
Detectors†	88.46%	N/A
CCTV†	81.07%	N/A
DMS†	96.93%	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

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

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	October 2018	Target	October 2018	Target
DMS Efficiency (Lane Blockage)	99.93%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.16	≤0.20	0.06	≤0.10
TMC Operator Error Rate (Non-lane Blockage)	0.03	≤0.20	0.06	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:23	≤0:02:00	0:00:18	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:36	≤0:02:00	0:00:09	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:35	≤0:03:00	0:00:50	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:24	≤0:07:00	0:01:05	≤0:04:00