

ITS Operations Summary Report – April 2017

Milestones:

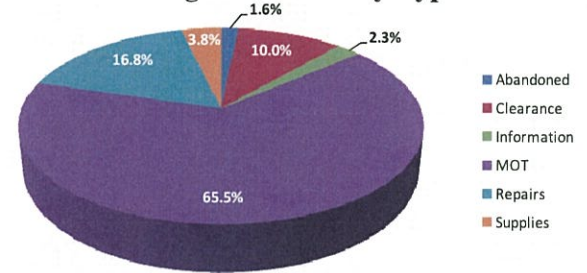
- Began operations of traffic adaptive signal system along SW 8th Street from SW 67th Avenue to SW 142nd Avenue
- Conducted successful backup operational test of SunGuide at the NAP (Network Access Point) of the Americas
- Supported special events: Spring Break events at American Airlines Arena, 36th Annual 7-Mile Bridge Run
- 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 Rehabilitation, All Aboard Florida rail grade crossings, I-195 Bridge Painting, and US-1 Keys Construction (Multiple Projects).

Event Summary:

Statistics	April 2017	FY 15/16 Avg.
Total Number of Events	4,424	4,701
Total Number of Lane Blockage Events***	1,854	1,906
Average Lane Blockage Duration*	0:24:24	0:28:02
Total Number of Road Ranger Responses**	4,658	4,782
Total Number of Road Ranger Activities**	8,605	8,720

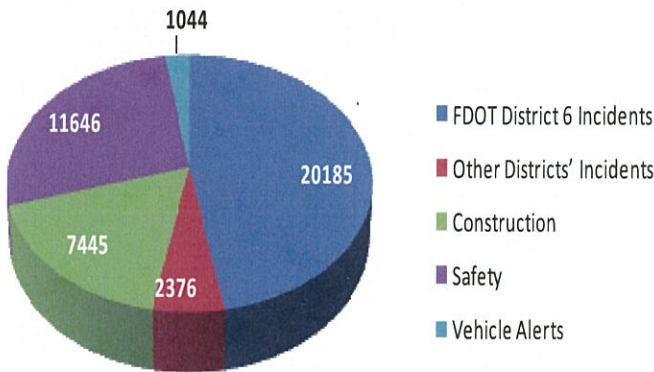
*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

Road Ranger Activities by Type



DMS Message by Type

(Total DMS Messages = 42,696)

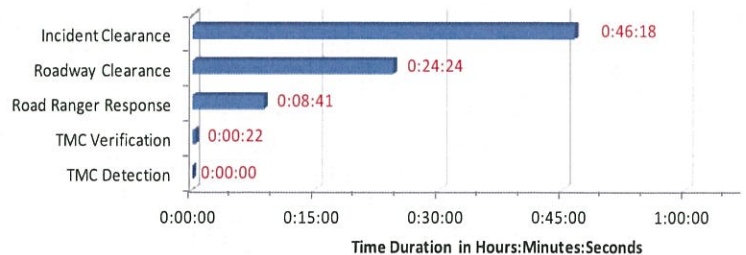


Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,039	8,316	93.55%
I-95 Express	6	937	3,820	99.26%
I-95 Arterial	8	1,200	4,903	99.74%
Golden Glades	5	1,185	4,600	98.32%
SR 826	12	1,585	5,691	99.91%
I-75	3	391	1,585	97.31%
I-195	2	151	766	99.34%
I-195 Arterial	3	257	1,359	98.43%
SR 826 Arterial	18	2,027	6,810	95.52%
I-395	2	467	1,737	96.05%
US 1 Miami-Dade Co	5	366	1,572	100.00%
US 1 S/ of Florida City	11	194	1,537	99.74%
Total	86	10,799	42,696	97.66%

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

Subsystem	April 2017	Target
TMC Systems (critical)	99.97%	>99.90%
TMC Systems (non-critical)	99.58%	≥98.00%
www.sunguide.info	100.00%	≥98.00%
SunGuide SM Software	99.82%	N/A
Video Wall	99.99%	N/A
Detectors	89.88%	N/A
CCTV	95.35%	N/A
DMS	97.66%	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

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	April 2017	Target	April 2017	Target
DMS Efficiency (Lane Blockage)	99.75%	≥95%	100.00%	≥100%
TMC Operator Error Rate (Lane Blockage)	0.42%	≤0.59%	0.23%	≤0.29%
TMC Operator Error Rate (Non-lane Blockage)	0.23%	≤0.59%	0.15%	≤0.29%
Road Ranger Dispatching Average (Lane Blockage)	0:00:27	≤0:02:00	0:00:19	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:00:25	≤0:02:00	0:00:12	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:49	≤0:03:00	0:00:53	≤0:01:30
Agency Notification Average (Lane Blockage)	0:02:23	≤0:07:00	0:01:20	≤0:04:00