

# ITS Operations Summary Report – August 2015

## Milestones:

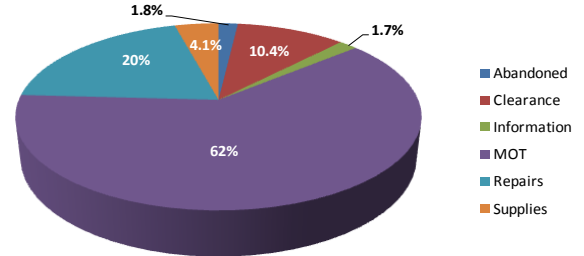
- Completed SunGuide TMC Control Room Retrofit Project; Completed evaluation of new ramp signaling detection technology
- Hosted TMC Tours and FDOT Meetings for Miami Dade County, City Manager's Council, and City of Miami Beach;
- Conducted Express Lanes Module Demonstration for Puerto Rico Highways and Transport.
- Coordinated with Project Managers and CEI for various construction closures; Created all pre-event and construction messaging plans for: 95 Express Phase 2, I-95 Pavement Rehabilitation Projects, SR 826/SR 836 Interchange Reconstruction, US-1 Keys Construction (Multiple Projects), I-75/SR 826 Express Lanes Project, and Long Key Bridge Construction.

## Event Summary:

Statistics	August 2015	FY 14/15 Avg.
Total Number of Events	4,781	4,127
Total Number of Lane Blockage Events**	1,883	1,582
Average Lane Blockage Duration*	0:27:06	0:27:44
Total Number of Road Ranger Responses	4,946	3,879
Total Number of Road Ranger Activities	8,916	7,209

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

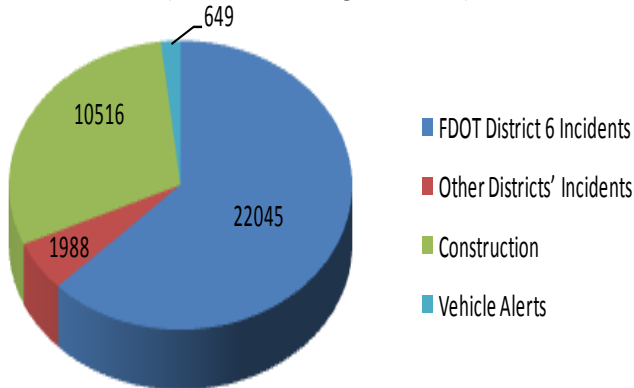
## Road Ranger Activities by Type



**Traveler Information:** There were 46,366 calls from SE Florida to the Statewide 511 system for the month of August 2015.

## DMS Message by Type

(Total DMS Messages = 35,198)



Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	1,708	6,743	100.00%
95 Express	6	708	2,348	84.42%
I-95 Arterial	8	1,132	3,444	99.41%
Golden Glades	5	1,210	4,099	99.62%
SR 826	12	1,422	5,879	99.57%
I-75	3	143	655	100.00%
I-195	2	262	1,188	99.67%
I-195 Arterial	3	432	1,886	99.78%
SR 826 Arterial	10	993	3,225	100.00%
I-395	2	565	2,002	94.41%
US 1 Miami-Dade Co	5	271	1,531	99.67%
US 1 S/ of Florida City	11	233	2,198	85.45%
<b>Total</b>	<b>78</b>	<b>9,079</b>	<b>35,198</b>	<b>96.00%</b>

Note: DMS 15, 43, and 44 are undergoing Capital Improvement; messages posted on these devices are not computed and system availability is not measured. DMS 2, 3, 6, 109, 110, 111, 113, FLD6DOT095NB013.5-LL, FLD6DOT095NB014.8-EL, and FLD6DOT095SB014.6-EL along I-95 (EL Phase 2 project) and four additional DMS along the SR 826 (Section 5 project) are operational and are still under warranty; system availability is not measured.

## TMC Operations and Maintenance:

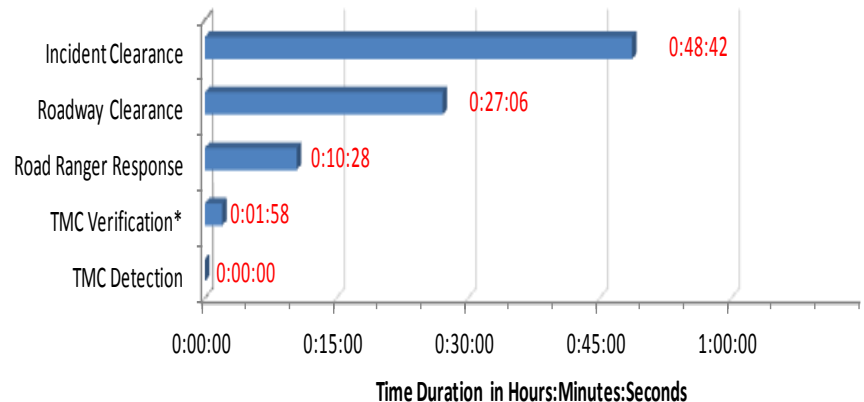
### TMC Operations (Travel Lane Blocking Events Only)

Performance Measure	August 2015	Target
DMS Efficiency	99.93%	>95%
TMC Operator Error Rate	0.37%	<0.59%
Road Ranger Dispatching Average	0:00:44	<0:02:00
Event Confirmation Average*	0:01:58	<0:02:00
Time to Post DMS Average	0:01:44	<0:05:00
Agency Notification Average	0:02:15	<0:07:00

\*Event Confirmation was affected by failed ITS Devices within Construction projects.

### ITS Systems Availability (FDOT Non-Operational)

Subsystem	August 2015	Target
TMC Systems (critical)	99.99%	>99.90%
Video Wall	99.99%	N/A
SunGuide <sup>SM</sup> Software	99.83%	N/A
CCTV	91.43%	N/A
DMS	96.00%	N/A
Detectors	85.80%	N/A
TMC Systems (non-critical)	96.54%	N/A



\*TMC Verification was affected by failed ITS Devices within Construction projects

Note: Time Durations include FDOT D6 Managed Events Only and excludes roadwork and special events. Road Ranger Response excludes Road Ranger detected events.

ISO: 60178093