ITS Operations Summary Report – December 2015
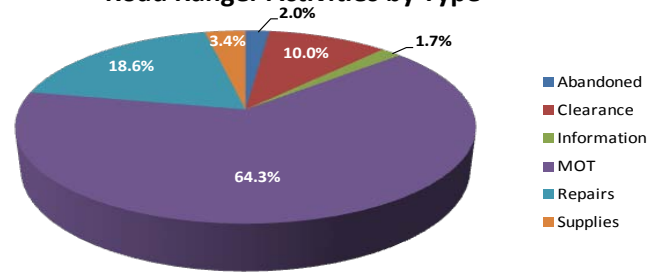
Milestones:

- Supported 95 Express incident management coordination efforts between FDOT District Six, FDOT District Four, Miami-Dade Transit and Broward County Transit.
- Completed FDOT's Tangible Personal Property annual inventory; Supported Special Events: Orange Bowl, Art Basel, and Toys in the Sun.
- 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, NW 25th Street Viaduct Project, and Long Key Bridge Construction.

Event Summary:

Statistics	December 2015	FY 14/15 Avg.
Total Number of Events	4,843	4,127
Total Number of Lane Blockage Events**	1,931	1,582
Average Lane Blockage Duration*	0:28:18	0:27:44
Total Number of Road Ranger Responses***	4,949	3,879
Total Number of Road Ranger Activities***	9,059	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 Response and Activities data is inconsistent due to a reporting upgrade.

Road Ranger Activities by Type

- Abandoned 2.0%
- Clearance 10.0%
- Information 1.7%
- MOT 64.3%
- Repairs 18.6%
- Supplies 3.4%

Traveler Information:
There were 60,702 calls from SE Florida to the Statewide 511 system for the month of December 2015.

DMS Message by Type
(Total DMS Messages = 35,729)

1194
7360
2594
24581

FDOT District 6 Incidents
Other Districts' Incidents
Construction
Vehicle Alerts

Roadway	# of DMS	# of Activations	# of Messages	Availability
I-95 Mainline	11	2,328	7,241	100.00%
95 Express	6	963	3,014	99.74%
I-95 Arterial	8	887	2,779	99.11%
Golden Glades	5	1,400	4,319	99.69%
SR 826	12	1,587	5,682	99.83%
I-75	3	325	1,498	99.53%
I-195	2	226	848	100.00%
I-195 Arterial	3	401	1,540	100.00%
SR 826 Arterial	10	966	3,580	100.00%
I-395	2	540	1,455	97.06%
US 1 Miami-Dade Co	5	324	1,455	99.90%
US 1 S/ of Florida City	11	334	2,318	95.84%
Total	**78**	**10,281**	**35,729**	**99.02%**

Note: DMS 15 is undergoing Capital Improvement; messages posted on this device 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), 826SBNW103ST01along SR 826 (I-75/SR 826 Express Lanes 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	December 2015	Target
DMS Efficiency	99.68%	>95%
TMC Operator Error Rate	0.49%	<0.59%
Road Ranger Dispatching Average	0:00:43	<0:02:00
Event Confirmation Average	0:00:45	<0:02:00
Time to Post DMS Average	0:01:56	<0:05:00
Agency Notification Average	0:02:38	<0:07:00

ITS Systems Availability (FDOT Non-Operational)

Subsystem	December 2015	Target
TMC Systems (critical)	99.98%	>99.90%
Video Wall	99.98%	N/A
SunGuide℠ Software	97.57%	N/A
CCTV	93.57%	N/A
DMS	99.02%	N/A
Detectors	88.45%	N/A
TMC Systems (non-critical)	99.16%	N/A

Incident Clearance 0:51:12
Roadway Clearance 0:28:18
Road Ranger Response 0:10:27
TMC Verification* 0:00:45
TMC Detection 0:00:00

0:00:00   0:15:00   0:30:00   0:45:00   1:00:00

Time Duration in Hours:Minutes:Seconds

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