

# ITS Operations Summary Report – October 2015

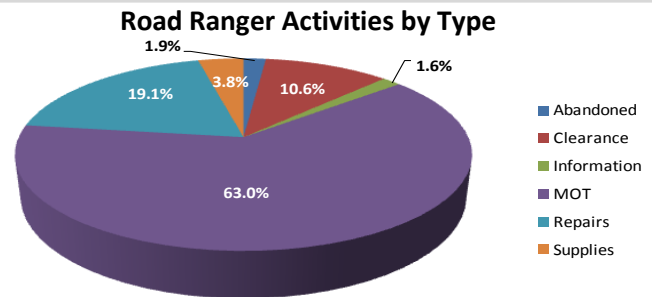
## Milestones:

- Coordinated and conducted WLRN's Radio interview "All in a Day's Work" for the Road Rangers.
- Supported and attended 95 Express Phase 2 Incident Management coordination meeting with FDOT D4 Asset Maintenance contractor.
- Supported Sun Life Stadium Events.
- 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:

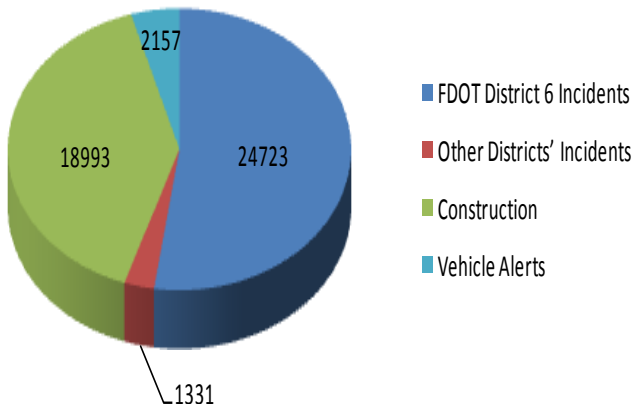
| Statistics                             | October 2015 | FY 14/15 Avg. |
|--|--------------|---------------|
| Total Number of Events                 | 5,171        | 4,127         |
| Total Number of Lane Blockage Events** | 2,108        | 1,582         |
| Average Lane Blockage Duration*        | 0:26:24      | 0:27:44       |
| Total Number of Road Ranger Responses  | 5,108        | 3,879         |
| Total Number of Road Ranger Activities | 9,455        | 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.



**Traveler Information:** There were 57,084 calls from SE Florida to the Statewide 511 system for the month of October 2015.

**DMS Message by Type**  
(Total DMS Messages = 47,204)



| Roadway                 | # of DMS  | # of Activations | # of Messages | Availability  |
|-------------------------|-----------|------------------|---------------|---------------|
| I-95 Mainline           | 11        | 2,270            | 9,718         | 100.00%       |
| 95 Express              | 6         | 1,000            | 3,931         | 99.78%        |
| I-95 Arterial           | 8         | 1,002            | 3,496         | 99.34%        |
| Golden Glades           | 5         | 1,397            | 6,099         | 99.22%        |
| SR 826                  | 12        | 1,731            | 8,069         | 99.73%        |
| I-75                    | 3         | 428              | 2,397         | 98.53%        |
| I-195                   | 2         | 260              | 1,157         | 100.00%       |
| I-195 Arterial          | 3         | 437              | 1,441         | 99.77%        |
| SR 826 Arterial         | 10        | 1,251            | 4,786         | 99.84%        |
| I-395                   | 2         | 617              | 2,150         | 96.70%        |
| US 1 Miami-Dade Co      | 5         | 338              | 1,774         | 99.88%        |
| US 1 S/ of Florida City | 11        | 275              | 2,186         | 96.97%        |
| <b>Total</b>            | <b>78</b> | <b>11,006</b>    | <b>47,204</b> | <b>99.17%</b> |

Note: DMS 15, 68, 69, and 95XSBNW125ST0050 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 FLD6DOT095NB014.6-EL along I-95 (EL Phase 2 project), 826SBNW103ST01 along 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:

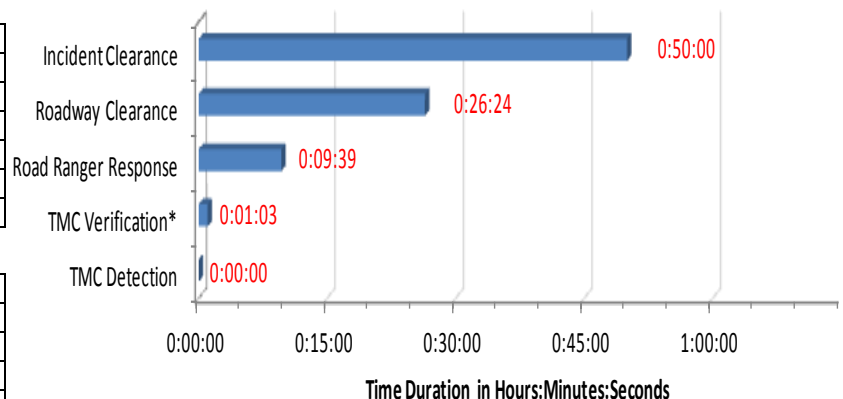
### TMC Operations (Travel Lane Blocking Events Only)

| Performance Measure             | October 2015 | Target   |
|---------------------------------|--------------|----------|
| DMS Efficiency                  | 99.66%       | >95%     |
| TMC Operator Error Rate         | 0.48%        | <0.59%   |
| Road Ranger Dispatching Average | 0:00:45      | <0:02:00 |
| Event Confirmation Average*     | 0:01:03      | <0:02:00 |
| Time to Post DMS Average        | 0:01:51      | <0:05:00 |
| Agency Notification Average     | 0:02:16      | <0:07:00 |

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

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

| Subsystem                       | October 2015 | Target  |
|---------------------------------|--------------|---------|
| TMC Systems (critical)          | 99.98%       | >99.90% |
| Video Wall                      | 99.75%       | N/A     |
| SunGuide <sup>SM</sup> Software | 98.74%       | N/A     |
| CCTV                            | 90.17%       | N/A     |
| DMS                             | 99.17%       | N/A     |
| Detectors                       | 85.81%       | N/A     |
| TMC Systems (non-critical)      | 95.80%       | 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