

ITS Operations Summary Report – November 2017

Milestones:

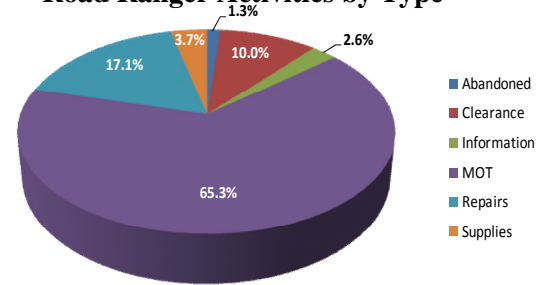
- Supported express lanes tolling configuration for I-75/SR 826 Express Lanes projects.
- Successfully upgraded to SunGuide® version 7.0
- Special event coordination for Miami Dolphins, NASCAR Ford Championship Weekend, Dolphins Cancer Challenge, Capital One Orange Bowl
- Coordinated with Project Managers 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, All Aboard Florida rail grade crossings, Miami Gardens Ramp Improvement, and US-1 Keys Construction (Multiple Projects).

Event Summary:

| Statistics | November 2017 | FY 16/17 Avg. |
|--|---------------|---------------|
| Total Number of Events | 4,435 | 4,464 |
| Total Number of Lane Blockage Events*** | 1,929 | 1,839 |
| Average Lane Blockage Duration* | 0:25:18 | 0:25:12 |
| Total Number of Road Ranger Responses** | 4,487 | 4,650 |
| Total Number of Road Ranger Activities** | 8,344 | 8,664 |

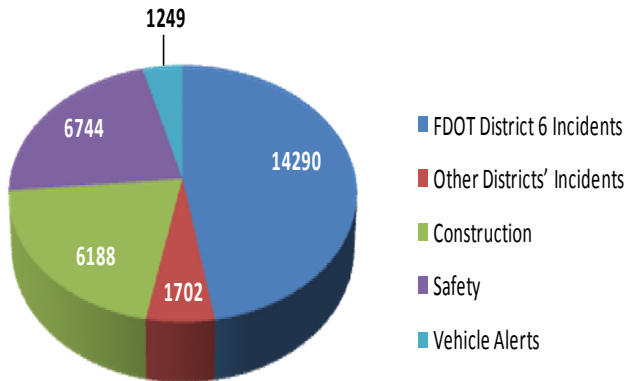
*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.
 **Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
 ***SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

Road Ranger Activities by Type



DMS Message by Type

(Total DMS Messages = 30,173)

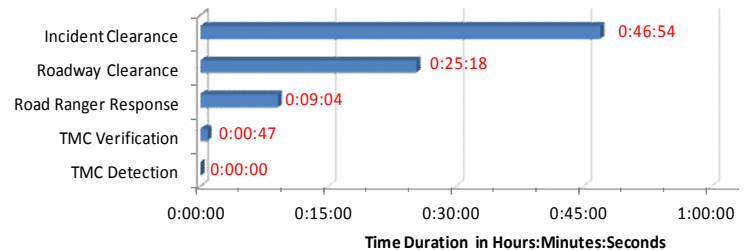


| Roadway | # of DMS | # of Activations | # of Messages | Availability |
|-------------------------|-----------|------------------|---------------|---------------|
| I-95 Mainline | 11 | 1,875 | 6,880 | 98.32% |
| 95 Express | 6 | 1,032 | 3,439 | 97.27% |
| I-95 Arterial | 8 | 521 | 1,942 | 77.41% |
| Golden Glades | 5 | 441 | 1,581 | 95.71% |
| SR 826 | 12 | 1,415 | 4,818 | 99.04% |
| I-75 | 3 | 274 | 1,152 | 55.81% |
| I-195 | 2 | 172 | 735 | 99.57% |
| I-195 Arterial | 3 | 187 | 718 | 99.39% |
| SR 826 Arterial | 18 | 1,801 | 5,547 | 86.84% |
| I-395 | 2 | 541 | 1,857 | 98.77% |
| US 1 Miami-Dade Co | 5 | 384 | 1,504 | 100.00% |
| US 1 S/ of Florida City | 11 | - | - | N/A† |
| Total | 86 | 8,643 | 30,173 | 91.99% |

Maintenance and TMC Operations:

ITS Systems Availability (FDOT Non-Operational)

| Subsystem | November 2017 | Target |
|----------------------------|---------------|---------|
| TMC Systems (critical) | 99.99% | >99.90% |
| TMC Systems (non-critical) | 99.28% | ≥98.00% |
| www.sunguide.info | 100.00% | ≥98.00% |
| SunGuide® Software | 94.57% | N/A |
| Video Wall | 96.77% | N/A |
| Detectors† | 81.84% | N/A |
| CCTV† | 88.15% | N/A |
| DMS† | 91.99% | 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 | |
|---|----------------------------|----------|---------------|----------|
| | November 2017 | Target | November 2017 | Target |
| DMS Efficiency (Lane Blockage) | 99.87% | ≥95% | 100.00% | ≥100% |
| TMC Operator Error Rate (Lane Blockage) | 0.15 | ≤0.20 | 0.06 | ≤0.10 |
| TMC Operator Error Rate (Non-lane Blockage) | 0.08 | ≤0.20 | 0.07 | ≤0.10 |
| Road Ranger Dispatching Average (Lane Blockage) | 0:00:30 | ≤0:02:00 | 0:00:17 | ≤0:00:60 |
| Event Confirmation Average (Lane Blockage) | 0:00:59 | ≤0:02:00 | 0:00:07 | ≤0:00:60 |
| Time to Post DMS Average (Lane Blockage) | 0:01:54 | ≤0:03:00 | 0:00:54 | ≤0:01:30 |
| Agency Notification Average (Lane Blockage) | 0:01:46 | ≤0:07:00 | 0:01:17 | ≤0:04:00 |