

# ITS Operations Summary Report – May 2018

## Milestones:

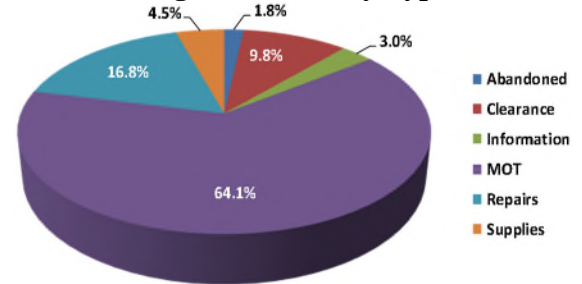
- Hosted TMC Tour for Carrie Meek Elementary (IRV Demo/TSM&O Operations/Community Traffic Safety)
- Submitted annual update of the Hurricane Response Action Plan (HRAP)
- Special event coordination for the Rolling Loud Music Festival, Memorial Day Weekend, 11<sup>th</sup> Annual KEYS100 Ultramarathon
- 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, 95 Express Lane Marker Maintenance, DMS Retrofit and Warning Gates, and US-1 Keys Construction (Multiple Projects).

## Event Summary:

| Statistics                               | May 2018 | FY 16/17 Avg. |
|--|----------|---------------|
| Total Number of Events                   | 4,982    | 4,464         |
| Total Number of Lane Blockage Events***  | 1,854    | 1,839         |
| Average Lane Blockage Duration*          | 0:24:18  | 0:25:12       |
| Total Number of Road Ranger Responses**  | 5,163    | 4,650         |
| Total Number of Road Ranger Activities** | 9,370    | 8,664         |

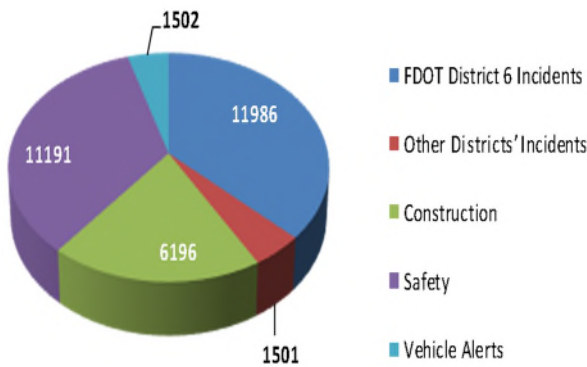
\*Includes roadways with Road Ranger coverage and excludes roadwork related events and special events.  
 \*\*Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.  
 \*\*\*SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

## Road Ranger Activities by Type



## DMS Message by Type

(Total DMS Messages = 32,376)



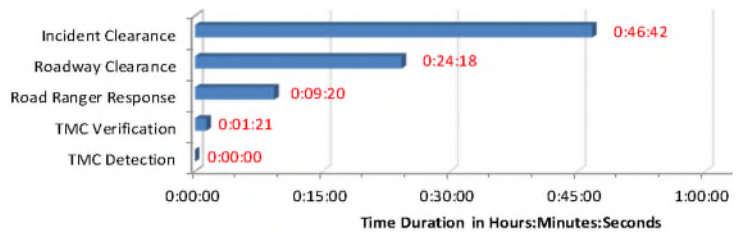
| Roadway                 | # of DMS  | # of Activations | # of Messages | Availability  |
|-------------------------|-----------|------------------|---------------|---------------|
| I-95 Mainline           | 11        | 2,069            | 5,926         | 99.38%        |
| 95 Express              | 6         | 983              | 3,358         | 98.79%        |
| I-95 Arterial           | 8         | 1,248            | 3,865         | 94.15%        |
| Golden Glades           | 5         | 1,064            | 3,446         | 98.22%        |
| SR 826                  | 12        | 1,221            | 3,850         | 90.73%        |
| I-75                    | 4         | 301              | 1,025         | 94.37%        |
| I-195                   | 2         | 229              | 498           | 98.44%        |
| I-195 Arterial          | 3         | 288              | 757           | 96.43%        |
| SR 826 Arterial         | 18        | 1,904            | 6,724         | 86.30%        |
| I-395                   | 2         | 369              | 1,105         | 93.83%        |
| US 1 Miami-Dade Co      | 5         | 402              | 1,822         | 98.30%        |
| US 1 S/ of Florida City | 11        | -                | -             | N/A †         |
| <b>Total</b>            | <b>87</b> | <b>10,078</b>    | <b>32,376</b> | <b>93.73%</b> |

## Maintenance and TMC Operations:

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

| Subsystem                       | May 2018 | Target  |
|---------------------------------|----------|---------|
| TMC Systems (critical)          | 99.99%   | >99.90% |
| TMC Systems (non-critical)      | 98.17%   | ≥98.00% |
| www.sunguide.info               | 100.00%  | ≥98.00% |
| SunGuide <sup>SM</sup> Software | 94.31%   | N/A     |
| Video Wall                      | 99.99%   | N/A     |
| Detectors †                     | 83.32%   | N/A     |
| CCTV †                          | 93.94%   | N/A     |
| DMS †                           | 93.73%   | N/A     |

TMC Operations †Does not include devices currently under repair due to Hurricane Irma



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

| Performance Measure                             | Non-Toll General Use Lanes |          | Express Lanes |          |
|---|----------------------------|----------|---------------|----------|
|   | May 2018                   | Target   | May 2018      | Target   |
| DMS Efficiency (Lane Blockage)                  | 100.00%                    | ≥95%     | 100.00%       | ≥100%    |
| TMC Operator Error Rate (Lane Blockage)         | 0.17                       | ≤0.20    | 0.04          | ≤0.10    |
| TMC Operator Error Rate (Non-lane Blockage)     | 0.08                       | ≤0.20    | 0.09          | ≤0.10    |
| Road Ranger Dispatching Average (Lane Blockage) | 0:00:23                    | ≤0:02:00 | 0:00:20       | ≤0:00:60 |
| Event Confirmation Average (Lane Blockage)      | 0:01:41                    | ≤0:02:00 | 0:00:14       | ≤0:00:60 |
| Time to Post DMS Average (Lane Blockage)        | 0:01:27                    | ≤0:03:00 | 0:01:07       | ≤0:01:30 |
| Agency Notification Average (Lane Blockage)     | 0:01:29                    | ≤0:07:00 | 0:01:08       | ≤0:04:00 |