

# TSM&O Summary Report – November 2023

## Milestones

- Coordinated with Project Managers and CEI for various construction closures. Created all pre-event and construction messaging plans for: I-395/SR 836/I-95 Design-Build, SR 826/Palmetto Expressway Managed Lanes Modification, SR 5/US 1 Keys COAST CV Pilot Project, Wrong Way Driving Detection System (Multiple Locations), Express Lane Tubular Marker Maintenance, ITS Device Replacement Projects, US 27/SR 25/Okeechobee Road Projects, and US 1 Keys Construction (Multiple Projects)
- Participated in Crash Responder Safety Week
- Participated in Port Miami Tunnel's crisis simulation exercise
- Integrated three new emergency signals into the Monroe County Traffic Signal System

## TMC Operations

### Secondary Events Managed by Event Type

Event Type	Count
Crash	2
Disabled Vehicle	15
Police Activity	6
Road Work - Scheduled	8
Pedestrian	5
Congestion	114
Wildfire	0
Debris on Roadway	0
Emergency Vehicles	0
Road Work - Emergency	0
Abandoned Vehicle	0
Special Event	0
Other	114

### Event Summary Statistics

Category	Monthly Statistics	FY 22/23 Average
Total Number of Events	4,681	4,331
Total Number of Lane Blockage Events*	1,859	1,706
Total Number of Road Ranger Responses**	4,871	4,578
Total Number of Road Ranger Activities**	8,285	8,114

\*SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.  
\*\*Road Ranger Response and Activities data are inconsistent due to a reporting upgrade.

### DMS Usage Summary

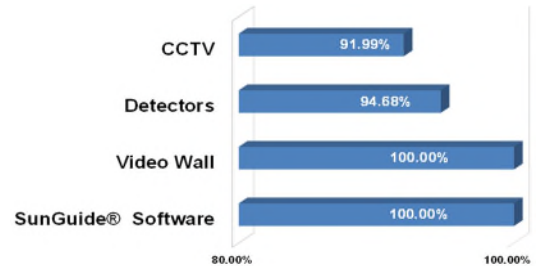
**Total Number of DMS: 105**  
**Availability: 98.11%**  
**Total Activations: 12,417**  
**Total Messages: 35,970**

Does not include PSA/safety messages.

## Systems Maintenance

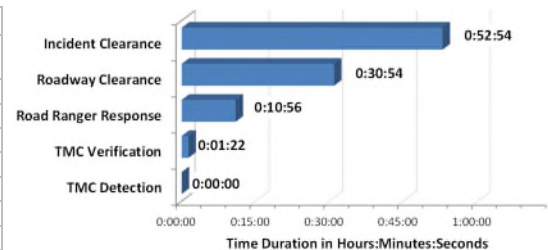
ITS System Availability (FDOT Non-Operational)

Subsystem	November 2023	Target
TMC Systems (critical)	99.99%	≥99.90%
TMC Systems (non-critical)	98.97%	≥98.00%
<a href="http://www.sunguide.info">www.sunguide.info</a>	100.00%	≥98.00%



## TMC Operations Performance

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	November 2023	Target	November 2023	Target
DMS Efficiency (Lane Blockage)***	100.00%	≥95%	100.00%	100%
TMC Operator Error Rate (Lane Blockage)***	0.12	≤0.20	0.07	≤0.10
TMC Operator Error Rate (Non-Lane Blockage)	0.05	≤0.20	0.09	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:25	≤0:02:00	0:00:24	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:35	≤0:02:00	0:00:38	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:24	≤0:03:00	0:01:39	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:30	≤0:07:00	0:01:25	≤0:04:00

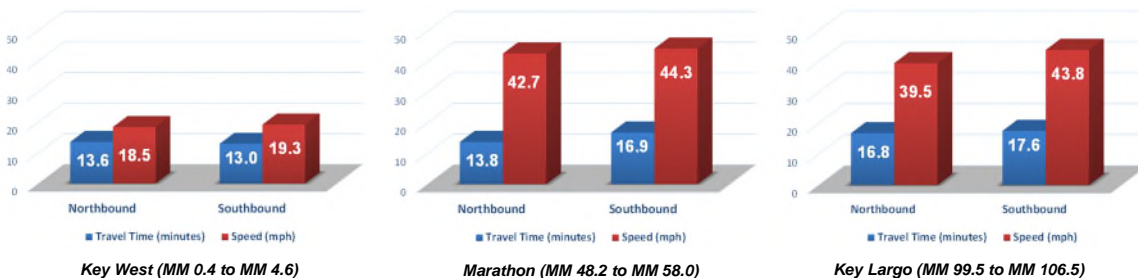


\*\*\*As of June 1, 2021, values are computed from randomized sampling for lane blockage events.

## Active Arterial Management

Monroe County Traffic Signal System (MCTSS) from MM 0.0 to MM 106.5 Monday – Friday from 7:00 am - 7:00 pm

### Monthly Travel Time and Speed Average



### Traffic Signals Systems Availability

