

TSM&O Summary Report – July 2021

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, Golden Glades Multimodal Center, Express Lane Tubular Marker Maintenance, ITS Device Replacement Projects, SR 5/0ld Seven Mile Bridge from Knights Key to Pigeon Key, and US 1 Keys Construction (Multiple Projects)
- Special event coordination for City of Miami Beach traffic control detail
- Monitored traffic conditions related to public demonstrations along Palmetto Expressway
- Conducted express lanes training for District Five TMC staff
- Supported traffic signal operations along SW 8 Street during public demonstrations

TMC Operations

Secondary Events Managed by Event Type

Event Summary Statistics

Category	Monthly Statistics	FY 2021 Average
Total Number of Events	4,612	4,340
Total Number of Lane Blockage Events**	1,935	1,891
Total Number of Road Ranger Responses*	5,285	4,823
Total Number of Road Ranger Activities*	9,512	8,802

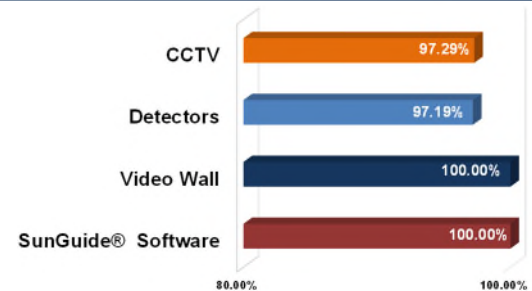
*Road Ranger Response and Activities data is inconsistent due to a reporting upgrade.
**SunGuide event data is incorrect due to a software issue within the SunGuide Reporting Subsystem.

DMS Usage Summary

Systems Maintenance

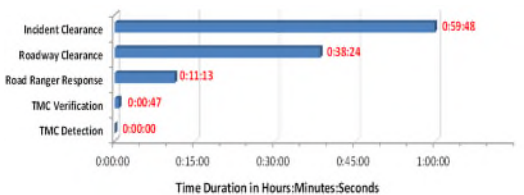
ITS System Availability (FDOT Non-Operational)

Subsystem	July 2021	Target
TMC Systems (critical)	99.98%	≥99.90%
TMC Systems (non-critical)	98.40%	≥98.00%
www.sunguide.info	100.00%	≥98.00%



TMC Operations Performance

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	July 2021	Target	July 2021	Target
DMS Efficiency (Lane Blockage)***	100%	≥95%	100%	100%
TMC Operator Error Rate (Lane Blockage)***	0.18	≤0.20	0.08	≤0.10
TMC Operator Error Rate (Non-Lane Blockage)	0.07	≤0.20	0.06	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:00:33	≤0:02:00	0:00:45	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:00:54	≤0:02:00	0:00:22	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:47	≤0:03:00	0:01:02	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:45	≤0:07:00	0:01:17	≤0:04:00



Note: Roadway Clearance for July 2021 affected by public demonstrations along SR 826 and City of Miami Beach maintenance of traffic setups along I-195 and I-395

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

Active Arterial Management

Miami-Dade County SW 8th Street ASCT Pilot Project from SW 142nd Avenue to SW 67th Avenue and Monroe County Traffic Signal System (MCTSS) from MM4.4 to MM106.5
 Monday – Friday from 7:00 am - 7:00 pm

Monthly Travel Time and Delay Average: Miami-Dade County



Monthly Average Speed (MPH): Miami-Dade County



ASCT Components and Traffic Signals Systems Availability

