

TSM&O Summary Report – June 2022

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 5/US 1 Keys COAST CV Pilot Project, Wrong Way Driving Detection System (Multiple Locations), Express Lane Tubular Marker Maintenance, ITS Device Replacement Projects, SR 5/Old Seven Mile Bridge from Knights Key to Pigeon Key, and US 1 Keys Construction (Multiple Projects)
- Conducted National Traffic Incident Management Responder Safety Course
- Participated in City of Pinecrest Police Department 25th Anniversary Event

TMC Operations

Secondary Events Managed by Event Type

Event Summary Statistics

Category	Monthly Statistics	FY 20/21 Average
Total Number of Events	4,591	4,340
Total Number of Lane Blockage Events**	1,759	1,891
Total Number of Road Ranger Responses*	4,789	4,823
Total Number of Road Ranger Activities*	8,508	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

DMS Usage Summary Chart

Total Number of DMS : 105
 Availability: 97.81 %

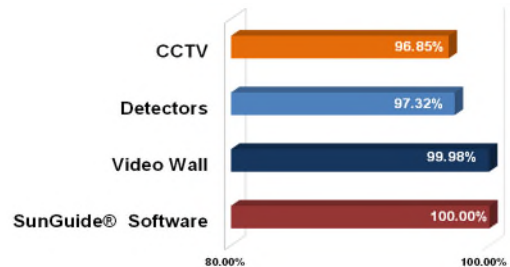
Total Activations: 31,465
 Total Messages: 12,120

Does not include PSA/safety messages

Systems Maintenance

ITS System Availability (FDOT Non-Operational)

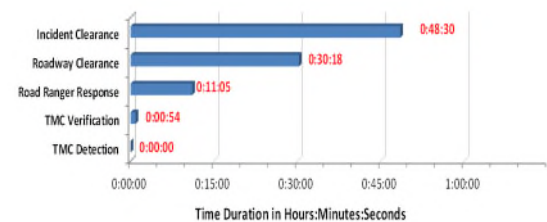
Subsystem	June 2022	Target
TMC Systems (critical)	99.99%	≥99.90%
TMC Systems (non-critical)	98.93%	≥98.00%
www.sunguide.info	100.00%	≥98.00%



TMC Operations Performance

Performance Measure	Non-Toll General Use Lanes		Express Lanes	
	June 2022	Target	June 2022	Target
DMS Efficiency (Lane Blockage)***	99.92%	≥95%	100%	100%
TMC Operator Error Rate (Lane Blockage)***	0.20	≤0.20	0.09	≤0.10
TMC Operator Error Rate (Non-Lane Blockage)	0.10	≤0.20	0.08	≤0.10
Road Ranger Dispatching Average (Lane Blockage)	0:01:07	≤0:02:00	0:00:25	≤0:00:60
Event Confirmation Average (Lane Blockage)	0:01:00	≤0:02:00	0:00:34	≤0:00:60
Time to Post DMS Average (Lane Blockage)	0:01:27	≤0:03:00	0:01:09	≤0:01:30
Agency Notification Average (Lane Blockage)	0:01:38	≤0:07:00	0:01:27	≤0:04:00

***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

