



Summary of Monthly Operations

In the month of December, there were 21,338 messages posted with 7,229 DMS activations for 1053 events. The DMS efficiency was 99.91% (1052 of the 1053 signable events had DMS messages posted). There was an average of 6.87 DMSs activated per each signable event and an average of 2.95 DMS messages were posted per each DMS activation. This resulted in an average of 20.26 DMS messages being posted per each signable event.

Notes: DMS messages not associated with an event are not included because the SunGuide Software requirement to associate a message does not function properly at this time.

Summary of Average Monthly Operations

- $\frac{7229 \text{ DMS Activations}}{1053 \text{ Events}} = \underline{6.87} \text{ Average DMS Activations per Event}$

An average of 6.87 DMSs were activated per each signable event

- $\frac{21338 \text{ DMS Messages}}{7229 \text{ DMS Activations}} = \underline{2.95} \text{ Average DMS Messages per Activation}$

An average of 2.95 DMS messages were posted per each DMS activation

- $6.87 \frac{\text{DMS Activations}}{\text{Events}} \times 2.95 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{20.26^*} \text{ DMS Messages per Event}$

An average of 20.26 DMS messages were posted per each signable event*

**Based on actual numbers of average DMS activation/event and average DMS messages/activation. Not based on rounded numbers shown in this report.*

Table 1 DMS Usage for Other Agencies

Agency	Number of Messages
FDOT District 4	915
Florida's Turnpike Enterprise	12
Miami-Dade Expressway Authority	1245
Total	2172

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	9234
Other Districts' Incidents	1270
Construction	9059
Safety	0
Vehicle Alert	1775
Total	21338



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – December 2013



Table 3a DMS Usage by Roadway (Limited Access Facilities)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min:SS)	Availability
I-95 Mainline	1	I-95 NB beyond NW 103 St	136	361	509:25:24	100.00%
	22	I-95 NB south of NW 62 St	103	219	362:20:08	100.00%
	75	I-95 NB before SR 112	207	450	367:52:26	99.44%
	77*	I-95 NB beyond SW 8 St	0	0	0:00:00	N/A*
	2	I-95 SB north of Ives Dairy Rd	241	773	801:14:54	100.00%
	3	I-95 SB north of Miami Gardens Dr	238	782	726:52:20	100.00%
	20	I-95 SB south of NW 119 St	119	324	247:48:50	100.00%
	21	I-95 SB south of NW 62 St	146	423	322:02:31	100.00%
	74*	I-95 SB beyond of SR 112	0	0	0:00:00	N/A*
	76*	I-95 SB before Rickenbacker Cswy	0	0	0:00:00	N/A*
<i>I-95 Mainline Subtotal</i>			1190	3332	3337:36:33	99.92%
I-95 Express	95X40	95X NB at NW 62nd St	117	244	343:08:06	99.76%
	95X45	95X NB at NW 125th St	131	359	499:39:48	99.71%
	95XSB45	95X SB at NW 62nd St	121	357	289:45:26	99.94%
	95XSB50	95X SB at NW 125th St	89	231	153:16:53	99.94%
<i>I-95 Express Subtotal</i>			458	1191	1285:50:13	99.84%
SR 826	14	SR 826 NB beyond NW 122 St	57	139	102:10:43	100.00%
	4	SR 826 EB east of NW 67 Ave	79	347	693:15:16	100.00%
	5	SR 826 EB east of NW 37 Ave	268	908	1034:05:02	100.00%
	15	SR 826 WB beyond NW 17 Ave	43	107	164:06:35	100.00%
	17	SR 826 WB beyond NW 47 Ave	62	130	218:07:42	100.00%
	19	SR 826 WB beyond NW 67 Ave	72	180	553:15:45	96.92%
	826NB58	SR 826 NB before NW 58 St	57	104	95:25:55	100.00%
	826SB58	SR 826 SB before NW 58 St	122	282	664:41:37	100.00%
	826SB103	SR 826 SB before NW 103 St	94	221	593:00:53	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	55	95	94:05:53	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	83	167	108:29:46	N/A**
	826SB8.8-LL**	SR 826 SB at NW 36 St	114	270	627:43:03	N/A**
<i>SR 826 Subtotal</i>			1106	2950	4948:28:10	99.69%
I-75	43	I-75 NB before Miami Gardens Dr	33	62	97:13:05	99.90%
	44	I-75 SB before Miami Gardens Dr	78	188	418:09:08	99.89%
	42	I-75 SB ramp from NW 138 St	91	245	481:05:41	100.00%
<i>I-75 Subtotal</i>			202	495	996:27:54	99.93%
I-195 Mainline	57	I-195 EB before North Miami Ave	28	49	86:35:58	100.00%
	103*	SR 112 EB before NW 39 St	0	0	0:00:00	N/A*
	105*	I-195 WB before Alton Rd	0	0	0:00:00	N/A*
<i>I-195 Mainline Subtotal</i>			28	49	86:35:58	100.00%
I-395	886WB	Port Blvd WB before US-1	149	366	296:30:50	99.97%
	104	I-395 WB at Watson Island	203	462	395:40:10	98.26%
<i>I-395 Subtotal</i>			352	828	692:11:00	99.12%
<i>Limited Access Facilities Subtotal</i>			3336	8845	11347:09:48	99.77%



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – December 2013



Table 3b DMS Usage by Roadway (Arterials)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:min:ss)	Availability
I-95 Arterial	109	Ives Dairy EB Rd before I-95	165	584	414:38:39	100.00%
	113*	Ives Dairy Rd WB before I-95	139	513	282:56:53	N/A*
	110	Miami Gardens Dr EB before I-95	191	711	494:17:43	100.00%
	111	Miami Gardens Dr WB before I-95	203	742	499:28:14	99.91%
	112	NW 103 St EB before I-95	182	541	438:06:58	99.94%
	106	NW 79 St EB before I-95	186	513	415:32:36	99.96%
	107	NW 54 St EB before I-95	151	408	349:16:06	85.92%
	108	SW 8 St EB before I-95	109	283	285:23:56	96.58%
<i>I-95 Arterial Subtotal</i>			1326	4295	3179:41:05	97.47%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	277	956	1021:54:31	99.79%
	7	Turnpike SB to Golden Glades	268	920	792:29:56	100.00%
	9	US-441 NB at TRI-Rail	115	360	505:33:47	100.00%
	10	SR 9 NB before Park & Ride	212	801	797:20:43	100.00%
	8	US-441 SB at NW 179 St	276	943	924:44:59	100.00%
<i>Golden Glades Interchange Subtotal</i>			1148	3980	4042:03:56	99.96%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	109	261	187:52:59	99.73%
	SW24WB	SW 24 St WB before SR 826	109	259	187:48:49	100.00%
	SW40EB	SW 40 St EB before SR 826	17	31	28:46:25	26.35%
	SW40WB	SW 40 St WB before SR 826	100	244	184:53:37	100.00%
	SW56EB	SW 56 St EB before SR 826	73	145	77:51:56	100.00%
	SW56WB	SW 56 St WB before SR 826	72	144	77:02:55	100.00%
	SW72EB	SW 72 St EB before SR 826	59	117	72:19:03	100.00%
	SW72WB	SW 72 St WB before SR 826	64	130	74:59:26	100.00%
<i>SR 826 Arterial Subtotal</i>			603	1331	891:35:10	90.76%
I-195 Arterial	38	Alton Rd SB before I-195	84	266	299:55:12	99.73%
	39	Arthur Godfrey WB before I-195	82	263	300:06:51	99.82%
	40	Alton Rd NB before I-195	82	262	298:07:02	99.73%
<i>I-195 Arterial Subtotal</i>			248	791	898:09:05	99.76%
US-1 in Miami-Dade County	23***	US-1 NB beyond SW 17 Ave	101	268	291:50:47	N/A***
	45	US-1 SB before SW 80 St	49	108	155:58:19	97.66%
	47	US-1 SB at Florida's Turnpike	18	56	51:40:20	100.00%
	46	US-1 NB before Killian Dr	46	91	222:07:15	100.00%
	48	US-1 NB at Florida's Turnpike	16	30	45:51:26	100.00%
<i>US-1 in Miami-Dade County Subtotal</i>			230	553	767:28:07	99.42%



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – December 2013



Table 3b – continued DMS Usage by Roadway (Arterials)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	16	32	47:20:35	99.91%
	64	US-1 NB at Mile Marker 106	24	41	82:36:01	99.95%
	66	US-1 NB at Mile Marker 91.5	15	31	38:33:23	99.43%
	68	US-1 NB at Mile Marker 39.5	42	193	232:50:37	99.93%
	71	US-1 NB at Mile Marker 7.5	43	260	233:48:35	99.83%
	61***	US-1 SB at Mile Marker 126	41	231	230:04:34	N/A***
	63	US-1 SB at Mile Marker 113	41	231	230:04:32	99.95%
	65	US-1 SB at Mile Marker 106	30	155	201:17:59	71.37%
	67	US-1 SB at Mile Marker 91.5	38	220	218:42:57	99.28%
	69	US-1 SB at Mile Marker 39.5	32	119	115:29:04	99.70%
	70	US-1 SB at Mile Marker 7.5	16	30	46:18:02	100.00%
US-1 South of Florida City Subtotal			338	1543	1677:06:19	96.94%
Arterials Subtotal			3893	12493	11456:03:42	96.61%
Limited Access Facilities Subtotal			3336	8845	11347:09:48	99.77%
Grand Total			7229	21338	22803:13:30	97.94%

*DMS 74, 76, 77, 103, and 105 were undergoing testing for Capital Improvement and were used periodically. Messages posted on these devices are not computed and system availability is not measured for these devices.

*DMS 113 was under capital improvement for a short period of the reporting period and thus overall availability was excluded from the report. Post-capital improvement messages and activations were computed.

**Two additional DMS along the SR 826 Section 5 project are operational and are still under warranty; system availability is not measured for these devices.

***Two DMS along US-1 in Miami-Dade and Monroe County are operational and are still under warranty; system availability is not measured for these devices.



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – December 2013



Table 4 Number of Messages by Roadway

Sign For Events On			DMS Located Along											
			I-95 Mainline	95 Express	SR 826	I-75	I-195 Mainline	I-395	I-95 Arterial	GGI	SR 826 Arterial	I-195 Arterial	US-1 in Miami-Dade County	US-1 South of Florida City
Vehicle Alert			227	116	384	111	41	54	0	145	153	49	159	336
Safety Messaging			0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	I-95	2153	463	983	48	0	210	3324	2922	3	478	108	0
	Miami-Dade	Express Lanes	420	268	105	0	0	195	0	314	0	0	0	0
	Miami-Dade	I-195	21	0	0	0	8	20	30	0	0	36	1	0
	Miami-Dade	I-395	110	105	0	0	0	153	245	45	0	100	77	0
	Miami-Dade	MacArthur Causeway	34	26	0	0	0	41	0	0	0	0	26	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	117	50	1141	283	0	0	141	255	731	0	32	0
	Miami-Dade	I-75	0	0	22	36	0	0	0	0	0	0	0	0
	Miami-Dade	US-1	10	6	0	0	0	28	32	0	153	3	72	3
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	1204
	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-9	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	US-27	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	US-441	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0	
MDX	Miami-Dade	SR-836	23	23	148	0	0	46	51	0	187	21	21	0
	Miami-Dade	SR-836 Extension to 137th Ave	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-112	135	62	0	0	0	73	167	1	0	80	8	0
	Miami-Dade	SR-874	0	0	55	0	0	0	3	0	104	0	15	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	18	0
Miami-Dade	SR-924	0	0	2	2	0	0	0	0	0	0	0	0	
District 4	Broward	I-95	79	71	81	0	0	8	299	294	0	24	16	0
	Broward	I-75	0	0	28	15	0	0	0	0	0	0	0	0
	Broward	I-595	0	0	0	0	0	0	0	0	0	0	0	0
	Palm Beach	I-95	0	0	0	0	0	0	0	0	0	0	0	0
	Indian River	I-95	0	0	0	0	0	0	0	0	0	0	0	0
Broward	OTHER	0	0	0	0	0	0	0	0	0	0	0	0	
Turnpike	Miami-Dade	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	Floridas Turnpike Spur	3	1	1	0	0	0	3	4	0	0	0	0
	Broward	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Palm Beach	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Martin	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
St. Lucie	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0	
Subtotal of On Route			2153	268	1141	36	8	153	3324	2922	731	36	72	1207
Subtotal of Off Route			1179	923	1809	459	41	675	971	1058	600	755	481	336
Total District 6			3092	1034	2635	478	49	701	3772	3681	1040	666	475	1543
Other Agencies			240	157	315	17	0	127	523	299	291	125	78	0
Total			3332	1191	2950	495	49	828	4295	3980	1331	791	553	1543

Notes: Vehicle Alert messages are signed for entire Miami-Dade and Monroe Counties; thus, is not location-specific event.
 Safety messages are signed for entire Miami-Dade and Monroe Counties; thus, is not location-specific event.
 On Route – When a DMS signs for an incident on the same route as where the DMS is located.
 Off Route – When a DMS signs for an incident on different routes from where the DMS is located.

FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – December 2013



DMS Messages by Time of Day

