



Summary of Monthly Operations

In the month of November, there were 15,350 messages posted with 4,897 DMS activations for 838 events. The DMS efficiency was 99.88% (837 of the 838 signable events had a DMS messages posted). There was an average of 5.84 DMSs activated per each signable event and an average of 3.13 DMS messages were posted per each DMS activation. This resulted in an average of 18.32 DMS messages being posted per each signable event.

Note: 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

- $\frac{4897 \text{ DMS Activations}}{838 \text{ Events}} = \mathbf{5.84}$ Average DMS Activations per Event

An average of 5.84 DMSs were activated per each signable event

- $\frac{15350 \text{ DMS Messages}}{4897 \text{ DMS Activations}} = \mathbf{3.13}$ Average DMS Messages per Activation

An average of 3.13 DMS messages were posted per each DMS activation

- $5.84 \frac{\text{DMS Activations}}{\text{Events}} \times 3.13 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \mathbf{18.32^*}$ DMS Messages per Event

An average of 18.32 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	811
Florida's Turnpike Enterprise	91
Miami-Dade Expressway Authority	501
Total	1403

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	8682
Other Districts' Incidents	1216
Construction	4289
Safety	455
Vehicle Alert	708
Total	15350



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

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
I-95 Mainline	1	NB I-95 n/ of NW 103 ST	102	362	226:44:41	100.00%
	22	NB I-95 s/ of NW 62 ST	86	303	215:42:59	100.00%
	75	NB I-95 s/ of SR 112	0	0	0:00:00	0.00%
	77	NB I-95 n/ of SW 8 ST	0	0	0:00:00	0.00%
	2	SB I-95 n/ Ives Dairy RD	129	371	276:14:35	82.19%
	3	SB I-95 n/ of Miami Gardens DR	144	363	243:41:16	100.00%
	20	SB I_95 s/ of NW 119 ST	52	198	120:57:50	100.00%
	21	SB I-95 s/ of NW 62 ST	52	183	83:56:33	100.00%
	74	SB I_95 s/ of SR 112	0	0	0:00:00	0.00%
	76	SB I-95 n/ of Rickenbacker CSWY	6	22	16:30:29	98.17%
I-95 Mainline Subtotal			571	1802	1183:48:23	68.04%
I-95 Express	95X40	NB 95X at NW 62nd St	73	233	170:50:36	99.00%
	95X45	NB 95X at NW 125th St	86	288	217:24:56	99.89%
	95XSB45	SB 95X at NW 62nd St	47	123	59:23:37	99.36%
	95XSB50	SB 95X at NW 125th St	44	104	34:52:39	99.92%
I-95 Express Subtotal			250	748	482:31:48	99.54%
SR 826	14	NB SR 826 n/ of NW 122 ST	32	115	42:33:19	100.00%
	4	EB SR 826 e/ of NW 67 AVE	47	212	168:57:55	99.53%
	5	EB SR 826 e/ of NW 37 AVE	175	446	306:22:16	100.00%
	15	WB SR 826 w/ of NW 17 AVE	38	138	136:36:45	100.00%
	17*	WB SR 826 w/ of NW 47 AVE	32	68	84:56:33	N/A*
	19	WB SR 826 w/ of NW 67 AVE	76	227	418:45:36	100.00%
	826NB58	NB SR 826 s/ of NW 58 ST	45	121	79:50:17	100.00%
	826SB58	SB SR 826 n/ of NW 58 ST	118	300	519:39:15	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	91	260	446:53:18	100.00%
	826NB1.3-LL	NB SR 826 s/ of SW 72 ST	63	179	280:12:20	100.00%
	826NB4.8-LL**	NB SR 826 at SW 24 ST	27	70	52:00:44	N/A**
	826SB8.8-LL**	SB SR 826 at NW 36 ST	102	248	478:30:39	N/A**
SR 826 Subtotal			846	2384	3015:18:57	99.95%
I-75	43	NB I-75 s/ of Miami Gardens DR	18	42	66:04:33	100.00%
	44	SB I-75 s/ of Miami Gardens DR	84	278	419:43:14	100.00%
	42	SB I-75 s/ of NW 138 ST	95	319	465:46:57	99.98%
I-75 Subtotal			197	639	951:34:44	99.99%
I-195 Mainline	57*	EB I-195 w/ of North Miami AVE	0	0	0:00:00	N/A*
	103	EB SR 112 e/ of Toll Plaza	128	342	141:26:05	84.47%
	105	WB I-195 e/ of Alton RD	71	265	147:00:23	85.09%
I-195 Mainline Subtotal			199	607	288:26:28	84.78%
I-395	886WB	Port Blvd WB before US-1	91	379	143:49:55	100.00%
	104	WB I-395 @ Watson Island	137	411	146:47:14	99.44%
I-395 Subtotal			228	790	290:37:09	99.72%
Limited Access Facilities Subtotal			2291	6970	6212:17:29	88.23%



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Table 3b DMS Usage by Roadway (Arterials)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:min:ss)	Availability
I-95 Arterial	109	EB Ives Dairy RD w/ of I-95	111	337	125:30:50	99.91%
	113	WB Ives Dairy RD e/ of I-95	108	322	114:13:32	98.60%
	110	EB Miami Gardens DR w/ of I-95	106	307	107:01:38	99.96%
	111	WB Miami Gardens DR e/ of I-95	114	327	109:53:55	99.46%
	112	EB NW 103 ST w/ of I-95	109	406	136:56:59	99.88%
	106	EB NW 79 ST w/ of I-95	100	349	105:10:03	99.41%
	107	EB NW 54 ST w/ of I-95	107	368	104:21:53	100.00%
	108	EB SW 8 ST w/ of I-95	70	276	101:52:36	97.73%
<i>I-95 Arterial Subtotal</i>			825	2692	905:01:26	99.37%
Golden Glades Interchange	6	WB SR 826 w/ of NE 2nd AVE	164	450	238:49:51	95.51%
	7	SB Turnpike to the Golden Glades	155	403	153:39:15	100.00%
	9	NB US-441@TRI-Rail	76	287	211:42:51	100.00%
	10	NB SR 9 @ the Detention Center	110	397	231:09:46	100.00%
	8	SB US-441 @NW 179 ST	161	449	265:32:11	100.00%
<i>Golden Glades Interchange Subtotal</i>			666	1986	1100:53:54	99.10%
SR 826 Arterial	SW24EB	EB SW 24 ST w/ of SR 826	94	260	165:29:35	100.00%
	SW24WB	WB SW 24 ST e/ of SR 826	94	260	165:29:38	100.00%
	SW40EB	EB SW 40 ST w/ of SR 826	95	291	186:23:20	100.00%
	SW40WB	WB SW 40 ST e/ of SR 826	95	291	186:23:21	100.00%
	SW56EB	EB SW 56 ST w/ of SR 826	92	278	199:21:03	100.00%
	SW56WB	WB SW 56 ST e/ of SR 826	92	276	199:21:02	100.00%
	SW72EB	EB SW 72 ST w/ of SR 826	86	264	194:50:23	100.00%
	SW72WB	WB SW 72 ST e/ of SR 826	86	264	194:50:21	100.00%
<i>SR 826 Arterial Subtotal</i>			734	2184	1492:08:43	100.00%
I-195 Arterial	38	SB Alton RD to WB I-195	33	149	87:40:26	86.09%
	39	WB 41 ST to WB I-195	33	145	87:18:03	86.88%
	40	NB Alton RD to WB I-195	32	144	83:57:05	85.67%
<i>I-195 Arterial Subtotal</i>			98	438	258:55:34	86.21%
US-1 in Miami-Dade County	23	NB US-1 n/ of SW 17 AVE	46	228	95:22:12	99.96%
	45	SB US-1 @ SW 62 AVE & SW 80 ST	44	170	146:14:12	100.00%
	47	SB US-1 @ TURNPIKE SB	4	16	19:02:00	100.00%
	46	NB US-1 @ Killian DR	50	142	312:08:54	100.00%
	48	NB US-1 @ TURNPIKE NB	36	230	179:14:11	100.00%
<i>US-1 in Miami-Dade County Subtotal</i>			180	786	752:01:29	99.99%



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	NB US-1 @ Florida City	6	28	26:41:40	99.48%
	64	NB US-1 @ Mile Marker 106	15	43	63:32:13	100.00%
	66	NB US-1 @ Mile Marker 91.5	5	17	20:11:34	100.00%
	68	NB US-1 @ Mile Marker 39.5	16	41	61:52:06	98.15%
	71	NB US-1 @ Mile Marker 7.5	6	20	21:00:10	100.00%
	61*	SB US-1 @ Florida City	0	0	0:00:00	N/A*
	63	SB US-1 @ Mile Marker 113	9	23	24:30:52	100.00%
	65	SB US-1 @ Mile Marker 106	20	48	69:21:42	100.00%
	67	SB US-1 @ Mile Marker 91.5	7	18	22:26:03	99.70%
	69	SB US-1 @ Mile Marker 39.5	15	40	62:48:04	98.14%
	70	SB US-1 @ Mile Marker 7.5	4	16	19:02:03	100.00%
US-1 South of Florida City Subtotal			103	294	391:26:27	99.55%
Arterials Subtotal			2606	8380	4900:27:33	98.58%
Limited Access Facilities Subtotal			2291	6970	6212:17:29	88.23%
Grand Total			4897	15350	11112:45:02	94.08%

*DMS 17, 57 and DMS 61 are undergoing testing for Capital Improvement and are used periodically; system availability is not measured for these devices.

**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.



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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			88	28	161	65	29	14	0	35	56	9	68	155
Safety Messaging			52	36	90	27	15	18	0	18	72	3	36	88
District 6	Miami-Dade	I-95	1137	301	343	0	208	313	1630	1139	0	57	92	0
	Miami-Dade	Express Lanes	121	187	68	0	115	139	4	204	0	0	0	0
	Miami-Dade	I-195	118	0	0	0	136	84	223	108	0	296	56	0
	Miami-Dade	I-395	75	69	5	0	54	80	169	20	0	16	43	0
	Miami-Dade	MacArthur Causeway	15	9	1	0	10	66	184	0	0	0	23	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	83	39	1469	515	12	18	121	167	1257	27	108	0
	Miami-Dade	I-75	0	0	6	12	0	0	0	0	0	0	0	0
	Miami-Dade	US-1	6	0	9	0	0	6	6	0	598	0	348	7
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	34
	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-9	6	0	0	0	0	0	12	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	0	0	96	0	1	30	13	0	171	0	1
Miami-Dade		SR-836 Extension to 137th Ave	0	0	0	0	0	0	0	0	0	0	0	0
Miami-Dade		SR-112	14	9	0	0	17	12	17	0	0	15	0	0
Miami-Dade		SR-874	0	0	15	0	0	0	0	0	30	0	6	0
Miami-Dade		SR-878	0	0	0	0	0	0	0	0	0	0	0	0
Miami-Dade		SR-924	0	0	36	18	0	0	0	0	0	0	0	0
District 4	Broward	I-95	68	54	72	0	10	10	305	266	0	15	5	0
	Broward	I-75	0	0	4	2	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	10
	Miami-Dade	Floridas Turnpike Spur	19	16	9	0	0	0	8	29	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			1137	187	1469	12	136	80	1630	1139	1257	296	348	41
Subtotal of Off Route			665	561	915	627	471	710	1062	847	927	142	438	253
Total District 6			1701	669	2152	619	579	738	2349	1691	1983	408	774	284
Other Agencies			101	79	232	20	28	52	343	295	201	30	12	10
Total			1802	748	2384	639	607	790	2692	1986	2184	438	786	294

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.



DMS Messages by Time of Day

