



DMS Usage Report – March 2014

Summary of Monthly Operations

In the month of March, there were 20,949 messages posted with 6,790 DMS activations for 1,047 events. The DMS efficiency was 99.90% (1046 of the 1047 signable events had DMS messages posted). There was an average of 6.49 DMSs activated per each signable event and an average of 3.09 DMS messages were posted per each DMS activation. This resulted in an average of 20.01 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

- $\frac{6790 \text{ DMS Activations}}{1047 \text{ Events}} = \underline{6.49} \text{ Average DMS Activations per Event}$

An average of 6.49 DMSs were activated per each signable event

- $\frac{20949 \text{ DMS Messages}}{6790 \text{ DMS Activations}} = \underline{3.09} \text{ Average DMS Messages per Activation}$

An average of 3.09 DMS messages were posted per each DMS activation

- $6.49 \frac{\text{DMS Activations}}{\text{Events}} \times 3.09 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{20.01^*} \text{ DMS Messages per Event}$

An average of 20.01 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	826
Florida's Turnpike Enterprise	0
Miami-Dade Expressway Authority	1786
Total	2612

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	9325
Other Districts' Incidents	1078
Construction	9186
Safety	627
Vehicle Alert	733
Total	20949



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	115	353	281:51:07	100.00%
	22	I-95 NB south of NW 62 St	84	222	225:53:52	97.44%
	75	I-95 NB before SR 112	202	512	397:53:41	98.97%
	77*	I-95 NB beyond SW 8 St	0	0	0:00:00	N/A*
	2	I-95 SB north of Ives Dairy Rd	238	758	669:26:22	100.00%
	3	I-95 SB north of Miami Gardens Dr	245	771	671:43:11	100.00%
	20	I-95 SB south of NW 119 St	88	257	266:11:09	100.00%
	21	I-95 SB south of NW 62 St	127	429	377:29:52	97.55%
	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-95 Mainline Subtotal			1099	3302	2890:29:14	99.14%
I-95 Express	95X40	95X NB at NW 62nd St	112	357	344:52:48	96.71%
	95X45	95X NB at NW 125th St	119	444	389:59:37	99.38%
	95XSB45	95X SB at NW 62nd St	124	397	350:30:13	97.18%
	95XSB50	95X SB at NW 125th St	93	201	161:43:09	100.00%
I-95 Express Subtotal			448	1399	1247:05:47	98.32%
SR 826	14	SR 826 NB beyond NW 122 St	47	140	118:01:34	100.00%
	4	SR 826 EB east of NW 67 Ave	122	492	685:11:37	100.00%
	5	SR 826 EB east of NW 37 Ave	284	986	950:09:11	100.00%
	15*	SR 826 WB beyond NW 17 Ave	0	0	0:00:00	N/A*
	17	SR 826 WB beyond NW 47 Ave	54	109	106:12:18	100.00%
	19	SR 826 WB beyond NW 67 Ave	63	127	95:56:24	100.00%
	826NB58	SR 826 NB before NW 58 St	38	109	99:15:38	100.00%
	826SB58	SR 826 SB before NW 58 St	108	259	264:01:01	100.00%
	826SB103	SR 826 SB before NW 103 St	81	227	203:32:09	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	67	143	146:21:06	99.09%
	826NB4.8-LL**	SR 826 NB at SW 24 St	92	175	184:45:13	N/A**
	826SB8.8-LL**	SR 826 SB at NW 36 St	113	281	290:06:32	N/A**
SR 826 Subtotal			1069	3048	3143:32:43	99.90%
I-75	43	I-75 NB before Miami Gardens Dr	18	41	88:11:22	100.00%
	44	I-75 SB before Miami Gardens Dr	75	183	109:07:00	100.00%
	42	I-75 SB ramp from NW 138 St	82	189	124:24:38	100.00%
I-75 Subtotal			175	413	321:43:00	100.00%
I-195 Mainline	57	I-195 EB before North Miami Ave	23	52	92:08:11	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-195 Mainline Subtotal			23	52	92:08:11	100.00%
I-395	886WB	Port Blvd WB before US-1	136	505	401:26:14	100.00%
	104	I-395 WB at Watson Island	209	531	331:37:37	98.42%
I-395 Subtotal			345	1036	733:03:51	99.21%
Limited Access Facilities Subtotal			3159	9250	8428:02:46	99.41%



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	141	518	287:53:32	100.00%
	113	Ives Dairy Rd WB before I-95	144	548	316:46:08	100.00%
	110	Miami Gardens Dr EB before I-95	149	563	315:46:32	100.00%
	111	Miami Gardens Dr WB before I-95	165	646	344:14:33	99.83%
	112	NW 103 St EB before I-95	138	455	296:29:14	100.00%
	106	NW 79 St EB before I-95	157	535	350:43:54	100.00%
	107	NW 54 St EB before I-95	170	550	369:04:13	91.47%
	108	SW 8 St EB before I-95	126	493	358:15:52	98.53%
<i>I-95 Arterial Subtotal</i>			1190	4308	2639:13:58	98.73%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	278	892	809:34:30	99.49%
	7	Turnpike SB to Golden Glades	287	973	848:12:06	100.00%
	9	US-441 NB at TRI-Rail	95	318	263:33:51	99.94%
	10	SR 9 NB before Park & Ride	176	658	492:17:57	99.20%
	8	US-441 SB at NW 179 St	272	864	734:14:48	100.00%
<i>Golden Glades Interchange Subtotal</i>			1108	3705	3147:53:12	99.73%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	113	251	215:23:23	100.00%
	SW24WB	SW 24 St WB before SR 826	113	251	215:23:25	99.83%
	SW40EB	SW 40 St EB before SR 826	112	252	230:39:36	100.00%
	SW40WB	SW 40 St WB before SR 826	93	203	179:14:57	85.23%
	SW56EB	SW 56 St EB before SR 826	76	136	79:29:40	100.00%
	SW56WB	SW 56 St WB before SR 826	76	136	79:29:37	99.83%
	SW72EB	SW 72 St EB before SR 826	72	134	79:56:47	100.00%
	SW72WB	SW 72 St WB before SR 826	75	138	80:42:30	100.00%
<i>SR 826 Arterial Subtotal</i>			730	1501	1160:19:55	98.11%
I-195 Arterial	38	Alton Rd SB before I-195	60	216	192:26:05	99.53%
	39	Arthur Godfrey WB before I-195	62	219	208:13:01	99.78%
	40	Alton Rd NB before I-195	62	218	204:58:55	99.51%
<i>I-195 Arterial Subtotal</i>			184	653	605:38:01	99.61%
US-1 in Miami-Dade County	23*	US-1 NB beyond SW 17 Ave	0	0	0:00:00	N/A*
	45	US-1 SB before SW 80 St	36	67	146:06:22	100.00%
	47	US-1 SB at Florida's Turnpike	18	43	81:30:12	100.00%
	46	US-1 NB before Killian Dr	50	128	216:07:14	100.00%
	48	US-1 NB at Florida's Turnpike	17	31	69:05:30	100.00%
<i>US-1 in Miami-Dade County Subtotal</i>			121	269	512:49:18	100.00%



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	15	29	69:35:30	99.96%
	64	US-1 NB at Mile Marker 106	17	33	85:37:36	97.68%
	66	US-1 NB at Mile Marker 91.5	29	116	154:09:40	99.53%
	68	US-1 NB at Mile Marker 39.5	36	193	181:09:57	99.65%
	71	US-1 NB at Mile Marker 7.5	33	192	153:59:17	99.29%
	61	US-1 SB at Mile Marker 126	43	216	185:46:04	99.96%
	63	US-1 SB at Mile Marker 113	41	210	179:14:00	97.73%
	65	US-1 SB at Mile Marker 106	34	137	149:05:26	88.87%
	67	US-1 SB at Mile Marker 91.5	22	81	69:45:21	92.53%
	69	US-1 SB at Mile Marker 39.5	16	30	84:19:41	99.65%
	70	US-1 SB at Mile Marker 7.5	12	26	64:28:16	99.22%
US-1 South of Florida City Subtotal			298	1263	1377:10:48	97.64%
Arterials Subtotal			3631	11699	9443:05:12	98.62%
Limited Access Facilities Subtotal			3159	9250	8428:02:46	99.41%
Grand Total			6790	20949	17871:07:58	98.94%

*DMS 15, 23, 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.

**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.



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		92	48	146	44	15	23	0	60	92	17	56	140
Safety Messaging		111	62	176	32	16	32	0	0	0	0	58	140
District 6	Miami-Dade I-95	1893	262	1065	19	0	305	2872	2542	0	294	10	0
	Miami-Dade Express Lanes	484	591	134	0	0	211	0	401	0	0	0	0
	Miami-Dade I-195	42	0	0	0	18	32	53	0	0	60	0	0
	Miami-Dade I-395	190	171	0	0	0	183	504	0	0	33	0	0
	Miami-Dade MacArthur Causeway	14	13	0	0	0	27	0	0	0	0	0	0
	Miami-Dade SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade SR-826	151	63	1136	290	0	0	202	318	994	0	35	0
	Miami-Dade I-75	0	0	23	10	0	0	0	0	0	0	0	0
	Miami-Dade US-1	21	16	0	0	0	73	69	0	16	30	51	1
	Monroe US-1	0	0	0	0	0	0	0	0	0	0	11	952
	Monroe Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	16
	Miami-Dade SR-9	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade US-27	0	0	10	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	9	11	15	3	3	3	0	2	0	0	6	14
Monroe OTHER	0	0	0	0	0	0	0	0	0	0	0	0	
MDX	Miami-Dade SR-836	21	19	159	10	0	22	35	5	144	12	20	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	205	84	1	0	0	125	268	61	0	207	0	0
	Miami-Dade SR-874	0	0	100	0	0	0	1	0	255	0	12	0
	Miami-Dade SR-878	0	0	0	0	0	0	0	0	0	0	10	0
Miami-Dade SR-924	0	0	6	4	0	0	0	0	0	0	0	0	
District 4	Broward I-95	69	59	77	0	0	0	304	316	0	0	0	0
	Broward I-75	0	0	0	1	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	0	0	0	0	0	0	0	0	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		1893	591	1136	10	18	183	2872	2542	994	60	62	953
Subtotal of Off Route		1409	808	1912	403	34	853	1436	1163	507	593	207	310
Total District 6		3007	1237	2705	398	52	869	3700	3323	1102	434	227	1263
Other Agencies		295	162	343	15	0	147	608	382	399	219	42	0
Total		3302	1399	3048	413	52	1036	4308	3705	1501	653	269	1263

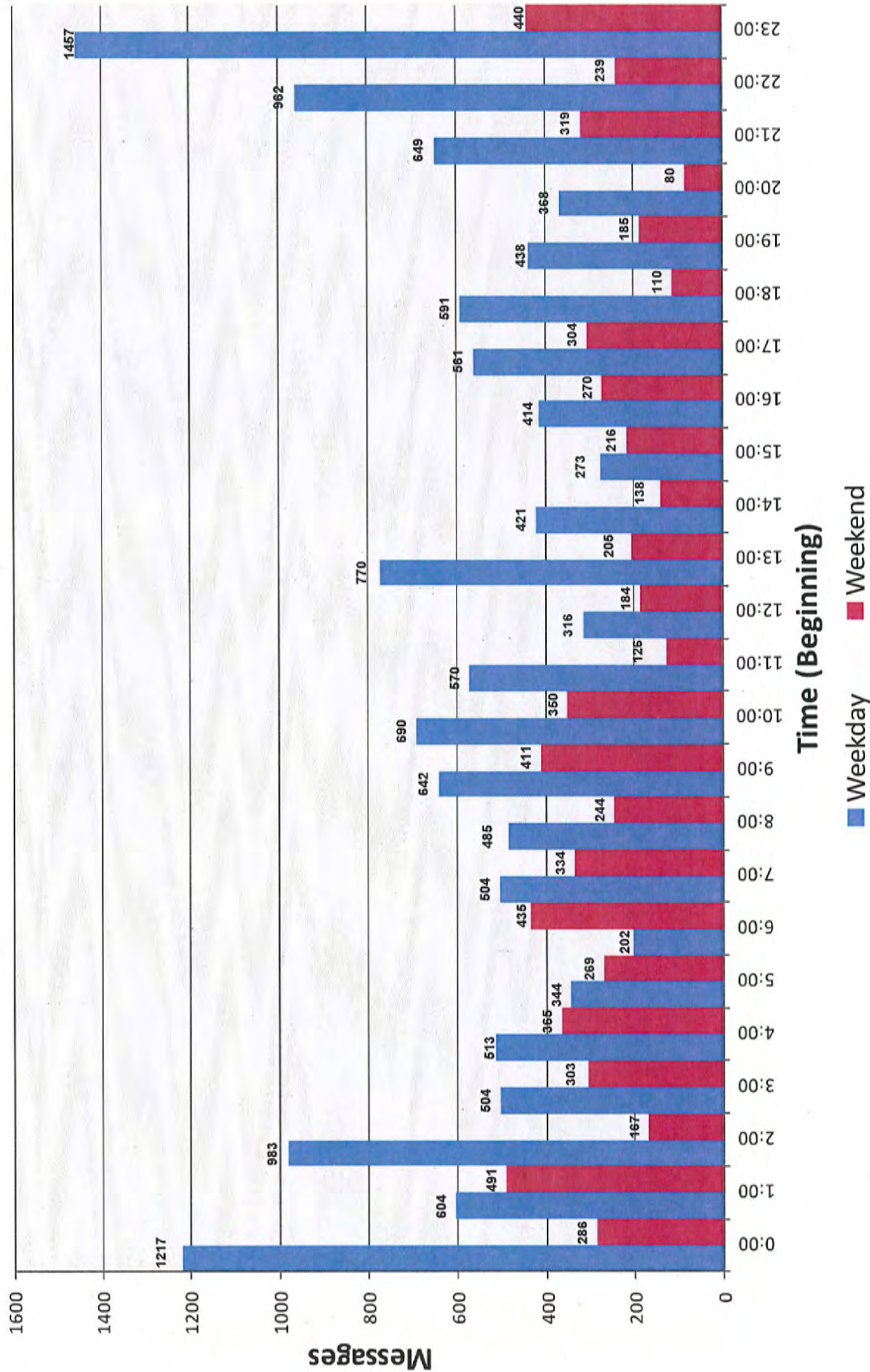
Notes: Vehicle Alert messages are signed for entire Miami-Dade and Monroe Counties; thus, is not location-specific event.
 Safety messages are signed for entire Miami-Dade and Monroe Counties; thus, is not location-specific event.
 On Route – When a DMS signs for an incident on the same route as where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



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DMS Messages by Time of Day



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