



## DMS Usage Report – February 2014

### Summary of Monthly Operations

In the month of February, there were 17,906 messages posted with 6,445 DMS activations for 999 events. The DMS efficiency was 99.90% (998 of the 999 signable events had DMS messages posted). There was an average of 6.45 DMSs activated per each signable event and an average of 2.78 DMS messages were posted per each DMS activation. This resulted in an average of 17.92 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

- $\frac{6445 \text{ DMS Activations}}{999 \text{ Events}} = \mathbf{6.45}$  Average DMS Activations per Event

*An average of 6.45 DMSs were activated per each signable event*

- $\frac{17906 \text{ DMS Messages}}{6445 \text{ DMS Activations}} = \mathbf{2.78}$  Average DMS Messages per Activation

*An average of 2.78 DMS messages were posted per each DMS activation*

- $6.45 \frac{\text{DMS Activations}}{\text{Events}} \times 2.78 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \mathbf{17.92^*}$  DMS Messages per Event

*An average of 17.92\* 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	794
Florida's Turnpike Enterprise	7
Miami-Dade Expressway Authority	990
<b>Total</b>	<b>1791</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	7773
Other Districts' Incidents	1183
Construction	7417
Safety	0
Vehicle Alert	1533
<b>Total</b>	<b>17906</b>



**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	102	297	185:26:03	100.00%
	22	I-95 NB south of NW 62 St	67	177	125:57:03	89.38%
	75	I-95 NB before SR 112	159	321	167:57:10	98.73%
	77*	I-95 NB beyond SW 8 St	0	0	0:00:00	N/A*
	2	I-95 SB north of Ives Dairy Rd	199	522	705:26:43	100.00%
	3	I-95 SB north of Miami Gardens Dr	209	523	643:48:57	100.00%
	20	I-95 SB south of NW 119 St	89	215	160:15:02	100.00%
	21	I-95 SB south of NW 62 St	136	445	296:46:05	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*	
<b>I-95 Mainline Subtotal</b>			<b>961</b>	<b>2500</b>	<b>2285:37:03</b>	<b>98.30%</b>
I-95 Express	95X40	95X NB at NW 62nd St	92	204	130:13:45	99.95%
	95X45	95X NB at NW 125th St	100	269	186:01:32	99.79%
	95XSB45	95X SB at NW 62nd St	129	398	284:55:50	99.87%
	95XSB50	95X SB at NW 125th St	81	117	84:41:21	99.95%
<b>I-95 Express Subtotal</b>			<b>402</b>	<b>988</b>	<b>685:52:28</b>	<b>99.89%</b>
SR 826	14	SR 826 NB beyond NW 122 St	49	109	66:11:12	100.00%
	4	SR 826 EB east of NW 67 Ave	83	361	588:13:51	100.00%
	5	SR 826 EB east of NW 37 Ave	272	776	853:52:22	100.00%
	15	SR 826 WB beyond NW 17 Ave	50	129	195:58:31	100.00%
	17	SR 826 WB beyond NW 47 Ave	80	211	273:39:06	100.00%
	19	SR 826 WB beyond NW 67 Ave	95	270	298:46:52	100.00%
	826NB58	SR 826 NB before NW 58 St	44	105	96:10:49	100.00%
	826SB58	SR 826 SB before NW 58 St	114	312	402:27:35	100.00%
	826SB103	SR 826 SB before NW 103 St	88	263	324:46:26	97.52%
	826NB1.3-LL	SR 826 NB before SW 72 St	60	135	96:39:21	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	70	148	114:42:46	N/A**
	826SB8.8-LL**	SR 826 SB at NW 36 St	107	307	399:13:44	N/A**
<b>SR 826 Subtotal</b>			<b>1112</b>	<b>3126</b>	<b>3710:42:35</b>	<b>99.75%</b>
I-75	43	I-75 NB before Miami Gardens Dr	27	61	88:44:51	100.00%
	44	I-75 SB before Miami Gardens Dr	85	231	276:36:34	100.00%
	42	I-75 SB ramp from NW 138 St	102	268	328:46:07	100.00%
<b>I-75 Subtotal</b>			<b>214</b>	<b>560</b>	<b>694:07:32</b>	<b>100.00%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	23	51	75:33:59	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*
<b>I-195 Mainline Subtotal</b>			<b>23</b>	<b>51</b>	<b>75:33:59</b>	<b>100.00%</b>
I-395	886WB	Port Blvd WB before US-1	137	453	278:11:17	99.84%
	104	I-395 WB at Watson Island	178	352	203:54:16	98.40%
<b>I-395 Subtotal</b>			<b>315</b>	<b>805</b>	<b>482:05:33</b>	<b>99.12%</b>
<b>Limited Access Facilities Subtotal</b>			<b>3027</b>	<b>8030</b>	<b>7933:59:10</b>	<b>99.39%</b>

**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	123	350	236:08:18	99.91%
	113	Ives Dairy Rd WB before I-95	122	349	234:47:13	99.91%
	110	Miami Gardens Dr EB before I-95	151	427	240:39:34	100.00%
	111	Miami Gardens Dr WB before I-95	156	419	251:32:00	99.78%
	112	NW 103 St EB before I-95	142	391	201:02:03	100.00%
	106	NW 79 St EB before I-95	151	478	279:39:33	100.00%
	107	NW 54 St EB before I-95	179	559	287:21:34	99.89%
	108	SW 8 St EB before I-95	90	277	170:37:16	85.12%
<b><i>I-95 Arterial Subtotal</i></b>			<b>1114</b>	<b>3250</b>	<b>1901:47:31</b>	<b>98.08%</b>
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	255	635	701:24:42	99.20%
	7	Turnpike SB to Golden Glades	266	761	816:03:45	99.45%
	9	US-441 NB at TRI-Rail	87	267	200:45:35	100.00%
	10	SR 9 NB before Park & Ride	166	521	341:11:46	100.00%
	8	US-441 SB at NW 179 St	248	620	682:36:17	99.45%
<b><i>Golden Glades Interchange Subtotal</i></b>			<b>1022</b>	<b>2804</b>	<b>2742:02:05</b>	<b>99.62%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	100	240	194:23:04	100.00%
	SW24WB	SW 24 St WB before SR 826	101	241	194:57:51	100.00%
	SW40EB	SW 40 St EB before SR 826	93	203	179:41:27	100.00%
	SW40WB	SW 40 St WB before SR 826	73	153	132:51:02	74.69%
	SW56EB	SW 56 St EB before SR 826	63	137	67:26:50	100.00%
	SW56WB	SW 56 St WB before SR 826	63	137	67:26:58	100.00%
	SW72EB	SW 72 St EB before SR 826	66	148	69:09:42	100.00%
	SW72WB	SW 72 St WB before SR 826	67	151	69:51:03	100.00%
<b><i>SR 826 Arterial Subtotal</i></b>			<b>626</b>	<b>1410</b>	<b>975:47:57</b>	<b>96.84%</b>
I-195 Arterial	38	Alton Rd SB before I-195	67	203	109:18:36	99.84%
	39	Arthur Godfrey WB before I-195	65	189	102:13:16	99.91%
	40	Alton Rd NB before I-195	64	186	101:32:59	99.80%
<b><i>I-195 Arterial Subtotal</i></b>			<b>196</b>	<b>578</b>	<b>313:04:51</b>	<b>99.85%</b>
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	105	378	275:38:15	100.00%
	45	US-1 SB before SW 80 St	36	76	103:13:56	100.00%
	47	US-1 SB at Florida's Turnpike	7	21	29:12:45	100.00%
	46	US-1 NB before Killian Dr	49	116	123:08:16	100.00%
	48	US-1 NB at Florida's Turnpike	10	26	30:57:44	100.00%
<b><i>US-1 in Miami-Dade County Subtotal</i></b>			<b>207</b>	<b>617</b>	<b>562:10:56</b>	<b>100.00%</b>

**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	7	21	29:12:43	99.86%
	64	US-1 NB at Mile Marker 106	23	69	91:22:47	99.36%
	66	US-1 NB at Mile Marker 91.5	23	141	105:51:59	100.00%
	68	US-1 NB at Mile Marker 39.5	44	230	175:57:10	100.00%
	71	US-1 NB at Mile Marker 7.5	36	225	148:46:18	99.91%
	61	US-1 SB at Mile Marker 126	22	123	77:43:50	100.00%
	63	US-1 SB at Mile Marker 113	22	127	84:47:34	99.36%
	65	US-1 SB at Mile Marker 106	29	118	106:19:45	99.36%
	67	US-1 SB at Mile Marker 91.5	17	89	63:09:13	99.74%
	69	US-1 SB at Mile Marker 39.5	22	52	78:57:03	99.98%
	70	US-1 SB at Mile Marker 7.5	8	22	29:42:14	99.85%
<b>US-1 South of Florida City Subtotal</b>			<b>253</b>	<b>1217</b>	<b>991:50:36</b>	<b>99.77%</b>
<b>Arterials Subtotal</b>			<b>3418</b>	<b>9876</b>	<b>7486:43:56</b>	<b>98.86%</b>
<b>Limited Access Facilities Subtotal</b>			<b>3027</b>	<b>8030</b>	<b>7933:59:10</b>	<b>99.39%</b>
<b>Grand Total</b>			<b>6445</b>	<b>17906</b>	<b>15420:43:06</b>	<b>99.07%</b>

\*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.

\*\*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		179	77	331	104	42	28	0	105	162	45	147	313
Safety Messaging		0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade I-95	1482	290	881	9	0	231	2227	2068	0	179	96	0
	Miami-Dade Express Lanes	329	240	94	0	0	137	0	282	0	0	0	0
	Miami-Dade I-195	22	0	0	0	8	14	32	3	0	200	6	0
	Miami-Dade I-395	189	191	0	0	1	239	503	0	0	53	191	0
	Miami-Dade MacArthur Causeway	14	14	0	0	0	24	3	0	0	0	17	0
	Miami-Dade SR-886/Port Boulevard	0	0	0	0	0	11	0	0	0	0	0	0
	Miami-Dade SR-826	13	5	1503	397	0	0	15	50	1014	0	66	0
	Miami-Dade I-75	0	0	63	19	0	0	0	0	0	0	0	0
	Miami-Dade US-1	0	0	0	0	0	3	6	0	38	0	36	0
	Monroe US-1	0	0	0	0	0	0	0	0	0	0	0	904
	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	85	32	32	14	0	1	0	5	0	0	1	0
Monroe OTHER	0	0	0	0	0	0	0	0	0	0	0	0	
MDX	Miami-Dade SR-836	58	51	89	2	0	94	111	0	123	32	45	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	62	30	4	0	0	23	62	2	0	69	3	0
	Miami-Dade SR-874	0	0	37	0	0	0	1	0	69	0	0	0
	Miami-Dade SR-878	0	0	0	0	0	0	1	0	0	0	7	0
Miami-Dade SR-924	0	0	9	6	0	0	0	0	0	0	0	0	
District 4	Broward I-95	67	58	56	0	0	0	289	289	0	0	0	0
	Broward I-75	0	0	26	9	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	1	0	0	0	0	4	0	2	0	
	Miami-Dade Floridas Turnpike Spur	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	
	Palm Beach Floridas Turnpike	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	
St. Lucie Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0		
Subtotal of On Route		1482	240	1503	19	8	239	2227	2068	1014	200	36	904
Subtotal of Off Route		1018	748	1623	541	43	566	1023	736	396	378	581	313
Total District 6		2313	849	2904	543	51	688	2786	2513	1214	477	560	1217
Other Agencies		187	139	222	17	0	117	464	291	196	101	57	0
Total		2500	988	3126	560	51	805	3250	2804	1410	578	617	1217

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

