

## DMS Usage Report – June 2014

### Summary of Monthly Operations

In the month of June, there were 22,857 messages posted with 7,922 DMS activations for 1,053 events. The DMS efficiency was 99.53% (1,048 of the 1,053 signable events had DMS messages posted). There was an average of 7.52 DMSs activated per each signable event and an average of 2.89 DMS messages were posted per each DMS activation. This resulted in an average of 21.71 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

- $\frac{7922 \text{ DMS Activations}}{1053 \text{ Events}} = \underline{7.52} \text{ Average DMS Activations per Event}$

*An average of 7.52 DMSs were activated per each signable event*

- $\frac{22857 \text{ DMS Messages}}{7922 \text{ DMS Activations}} = \underline{2.89} \text{ Average DMS Messages per Activation}$

*An average of 2.89 DMS messages were posted per each DMS activation*

- $7.52 \frac{\text{DMS Activations}}{\text{Events}} \times 2.89 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{21.71}^* \text{ DMS Messages per Event}$

*An average of 21.71\* 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	534
Florida's Turnpike Enterprise	30
Miami-Dade Expressway Authority	1532
<b>Total</b>	<b>2096</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	11140
Other Districts' Incidents	1011
Construction	9012
Safety	859
Vehicle Alert	835
<b>Total</b>	<b>22857</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	129	251	136:04:14	100.00%
	22	I-95 NB south of NW 62 St	112	243	124:58:27	96.76%
	75***	I-95 NB before SR 112	245	558	491:52:04	N/A***
	77***	I-95 NB beyond SW 8 St	265	775	576:17:17	N/A***
	2****	I-95 SB north of Ives Dairy Rd	242	815	687:44:23	N/A****
	3****	I-95 SB north of Miami Gardens Dr	256	843	700:41:18	N/A****
	20	I-95 SB south of NW 119 St	104	276	333:34:37	100.00%
	21	I-95 SB south of NW 62 St	139	418	526:11:28	97.08%
	74***	I-95 SB beyond of SR 112	105	357	255:55:03	N/A***
76***	I-95 SB before Rickenbacker Cswy	22	45	68:32:50	N/A***	
<b>I-95 Mainline Subtotal</b>			<b>1619</b>	<b>4581</b>	<b>3901:51:41</b>	<b>98.46%</b>
I-95 Express	95X40	95X NB at NW 62nd St	110	245	130:55:26	97.85%
	95X45	95X NB at NW 125th St	109	229	140:19:37	98.06%
	95XSB45	95X SB at NW 62nd St	149	420	532:42:00	97.68%
	95XSB50	95X SB at NW 125th St	111	244	278:57:33	99.41%
<b>I-95 Express Subtotal</b>			<b>479</b>	<b>1138</b>	<b>1082:54:36</b>	<b>98.25%</b>
SR 826	14	SR 826 NB beyond NW 122 St	66	235	107:47:15	100.00%
	4	SR 826 EB east of NW 67 Ave	131	594	637:18:46	100.00%
	5	SR 826 EB east of NW 37 Ave	305	1115	910:38:17	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	70	229	229:02:42	100.00%
	19	SR 826 WB beyond NW 67 Ave	94	316	256:58:25	100.00%
	826NB58	SR 826 NB before NW 58 St	62	215	131:25:25	100.00%
	826SB58	SR 826 SB before NW 58 St	118	361	639:27:30	100.00%
	826SB103	SR 826 SB before NW 103 St	99	302	547:46:02	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	70	173	138:07:33	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	92	219	155:44:18	N/A**
826SB8.8-LL**	SR 826 SB at NW 36 St	124	365	693:34:54	N/A**	
<b>SR 826 Subtotal</b>			<b>1231</b>	<b>4124</b>	<b>4447:51:07</b>	<b>100.00%</b>
I-75	43	I-75 NB before Miami Gardens Dr	30	107	100:05:11	100.00%
	44	I-75 SB before Miami Gardens Dr	104	347	285:06:42	100.00%
	42	I-75 SB ramp from NW 138 St	121	410	312:41:47	100.00%
<b>I-75 Subtotal</b>			<b>255</b>	<b>864</b>	<b>697:53:40</b>	<b>100.00%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	32	63	81:35:02	100.00%
	105***	I-195 WB before Alton Rd	123	258	401:17:44	N/A***
<b>I-195 Mainline Subtotal</b>			<b>155</b>	<b>321</b>	<b>482:52:46</b>	<b>100.00%</b>
I-395	886WB	Port Blvd WB before US-1	165	480	385:33:14	100.00%
	104	I-395 WB at Watson Island	218	478	295:33:48	97.69%
<b>I-395 Subtotal</b>			<b>383</b>	<b>958</b>	<b>681:07:02</b>	<b>98.85%</b>
<b>Limited Access Facilities Subtotal</b>			<b>4122</b>	<b>11986</b>	<b>11294:30:52</b>	<b>99.33%</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	112	395	191:05:44	N/A****
	113****	Ives Dairy Rd WB before I-95	123	439	199:52:09	N/A****
	110****	Miami Gardens Dr EB before I-95	124	425	205:42:56	N/A****
	111****	Miami Gardens Dr WB before I-95	68	245	101:20:42	N/A****
	112	NW 103 St EB before I-95	167	370	198:09:23	97.19%
	106	NW 79 St EB before I-95	182	480	283:44:15	100.00%
	107	NW 54 St EB before I-95	205	542	394:45:56	95.63%
	108	SW 8 St EB before I-95	154	502	353:51:31	98.56%
<b><i>I-95 Arterial Subtotal</i></b>			<b>1135</b>	<b>3398</b>	<b>1928:32:36</b>	<b>97.85%</b>
Golden Glades Interchange	6****	SR 826 WB west of NE 2nd Ave	246	737	575:28:08	N/A****
	7	Turnpike SB to Golden Glades	311	1096	886:09:04	99.96%
	9	US-441 NB at TRI-Rail	99	256	175:25:45	99.87%
	10	SR 9 NB before Park & Ride	174	550	295:47:07	96.67%
	8	US-441 SB at NW 179 St	298	922	738:03:40	99.95%
<b><i>Golden Glades Interchange Subtotal</i></b>			<b>1128</b>	<b>3561</b>	<b>2670:53:44</b>	<b>99.11%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	115	274	240:10:06	100.00%
	SW24WB	SW 24 St WB before SR 826	114	273	233:22:30	99.75%
	SW40EB	SW 40 St EB before SR 826	108	257	237:42:38	100.00%
	SW40WB	SW 40 St WB before SR 826	83	187	237:42:38	70.28%
	SW56EB	SW 56 St EB before SR 826	78	196	237:42:38	100.00%
	SW56WB	SW 56 St WB before SR 826	78	196	237:42:38	100.00%
	SW72EB	SW 72 St EB before SR 826	72	175	237:42:38	100.00%
	SW72WB	SW 72 St WB before SR 826	75	184	237:42:38	100.00%
<b><i>SR 826 Arterial Subtotal</i></b>			<b>723</b>	<b>1742</b>	<b>1899:48:24</b>	<b>96.25%</b>
I-195 Arterial	38	Alton Rd SB before I-195	73	154	126:23:11	100.00%
	39	Arthur Godfrey WB before I-195	69	144	125:01:44	99.98%
	40	Alton Rd NB before I-195	70	145	125:19:21	100.00%
<b><i>I-195 Arterial Subtotal</i></b>			<b>212</b>	<b>443</b>	<b>376:44:16</b>	<b>99.99%</b>
US-1 in Miami-Dade County	23*	US-1 NB beyond SW 17 Ave	125	450	342:37:14	N/A*
	45	US-1 SB before SW 80 St	40	78	111:20:37	100.00%
	47	US-1 SB at Florida's Turnpike	24	51	89:50:15	100.00%
	46	US-1 NB before Killian Dr	46	128	123:10:48	99.85%
	48	US-1 NB at Florida's Turnpike	22	45	78:06:39	100.00%
<b><i>US-1 in Miami-Dade County Subtotal</i></b>			<b>257</b>	<b>752</b>	<b>745:05:33</b>	<b>99.97%</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	24	49	90:59:35	99.92%
	64	US-1 NB at Mile Marker 106	26	55	92:01:24	99.67%
	66	US-1 NB at Mile Marker 91.5	28	70	92:22:55	96.96%
	68	US-1 NB at Mile Marker 39.5	43	136	151:07:57	100.00%
	71	US-1 NB at Mile Marker 7.5	33	120	122:21:55	100.00%
	61	US-1 SB at Mile Marker 126	40	131	156:11:08	100.00%
	63	US-1 SB at Mile Marker 113	39	118	155:16:32	99.77%
	65	US-1 SB at Mile Marker 106	40	123	165:49:31	99.66%
	67	US-1 SB at Mile Marker 91.5	34	96	133:02:55	96.24%
	69	US-1 SB at Mile Marker 39.5	24	48	89:09:58	99.97%
	70	US-1 SB at Mile Marker 7.5	14	29	59:07:34	99.96%
<b>US-1 South of Florida City Subtotal</b>			<b>345</b>	<b>975</b>	<b>1307:31:24</b>	<b>99.29%</b>
<b>Arterials Subtotal</b>			<b>3800</b>	<b>10871</b>	<b>8329:44:00</b>	<b>98.57%</b>
<b>Limited Access Facilities Subtotal</b>			<b>4122</b>	<b>11986</b>	<b>11294:30:52</b>	<b>99.33%</b>
<b>Grand Total</b>			<b>7922</b>	<b>22857</b>	<b>19624:14:52</b>	<b>98.87%</b>

\*DMS 15 and 23 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 DMS along the SR 826 Section 5 project are operational and are still under warranty; system availability is not measured for these devices.

\*\*\* DMS 74, 75, 76, 77, and 105 under the DMS replacement project, are operational and are under warranty; thus, system availability is not measured for this device.

\*\*\*\*DMS 2, 3, 6, 109, 110, 111, and 113 are operational and are under the Express Lanes Phase 2 Contractor; thus, 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		131	42	181	65	22	18	0	50	54	9	82	181
Safety Messaging		158	62	176	48	23	21	0	75	40	3	80	173
District 6	Miami-Dade I-95	2262	156	1216	7	140	294	2271	2444	0	287	154	0
	Miami-Dade Express Lanes	757	455	182	0	1	203	12	481	0	0	0	0
	Miami-Dade I-195	72	0	0	0	32	26	67	0	0	36	4	0
	Miami-Dade I-395	644	187	4	0	3	193	585	20	4	4	200	0
	Miami-Dade MacArthur Causeway	69	22	2	0	1	36	0	5	0	0	22	0
	Miami-Dade SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade SR-826	81	25	1787	629	0	15	57	210	1195	0	77	0
	Miami-Dade I-75	0	0	194	60	0	0	0	0	0	0	0	0
	Miami-Dade US-1	23	0	0	0	0	20	12	0	52	0	33	8
	Monroe US-1	0	0	0	0	0	0	0	0	0	0	9	527
	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	68	52	99	19	28	16	21	24	24	9	47	86
	Monroe OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade SR-836	57	18	135	17	9	33	47	8	201	26	25	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	204	79	0	0	62	83	170	8	0	69	12	0
	Miami-Dade SR-874	1	0	61	0	0	0	1	0	172	0	1	0
	Miami-Dade SR-878	0	0	0	0	0	0	0	0	0	0	5	0
	Miami-Dade SR-924	0	0	18	10	0	0	0	0	0	0	0	0
District 4	Broward I-95	48	39	45	0	0	0	148	224	0	0	0	0
	Broward I-75	0	0	21	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	0	0	0	0	0	0	0	0	1	0
	Miami-Dade Floridas Turnpike Spur	4	0	2	0	0	0	5	8	0	0	0	0
	Broward Floridas Turnpike	2	1	1	0	0	0	2	4	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		2262	455	1787	60	32	193	2271	2444	1195	36	42	535
Subtotal of Off Route		2319	683	2337	804	289	765	1127	1117	547	407	710	440
Total District 6		4265	1001	3841	828	250	842	3025	3309	1369	348	708	975
Other Agencies		316	137	283	36	71	116	373	252	373	95	44	0
Total		4581	1138	4124	864	321	958	3398	3561	1742	443	752	975

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

