



**Summary of Monthly Operations**

In the month of February, there were 15,143 messages posted with 5,342 DMS activations for 902 events. The DMS efficiency was 100% (902 of the 902 signable events had a DMS messages posted). There was an average of 5.92 DMSs activated per each signable event and an average of 2.83 DMS messages were posted per each DMS activation. This resulted in an average of 16.79 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**

- $\frac{5342 \text{ DMS Activations}}{902 \text{ Events}} = \underline{5.92} \text{ Average DMS Activations per Event}$

*An average of 5.92 DMSs were activated per each signable event*

- $\frac{15143 \text{ DMS Messages}}{5342 \text{ DMS Activations}} = \underline{2.83} \text{ Average DMS Messages per Activation}$

*An average of 2.83 DMS messages were posted per each DMS activation*

- $5.92 \frac{\text{DMS Activations}}{\text{Events}} \times 2.83 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{16.79^*} \text{ DMS Messages per Event}$

*An average of 16.79\* 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	607
Florida's Turnpike Enterprise	57
Miami-Dade Expressway Authority	908
<b>Total</b>	<b>1572</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	7371
Other Districts' Incidents	1158
Construction	6217
Safety	0
Vehicle Alert	397
<b>Total</b>	<b>15143</b>



# FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – February 2013



**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	91	240	154:00:49	100.00%
	22	NB I-95 s/ of NW 62 ST	94	279	152:30:55	100.00%
	75	NB I-95 s/ of SR 112	154	395	127:11:33	99.17%
	77	NB I-95 n/ of SW 8 ST	69	239	102:14:25	37.82%
	2	SB I-95 n/ Ives Dairy RD	144	324	174:44:07	100.00%
	3	SB I-95 n/ of Miami Gardens DR	152	333	179:43:07	100.00%
	20	SB I_95 s/ of NW 119 ST	54	121	100:32:56	100.00%
	21	SB I-95 s/ of NW 62 ST	98	328	209:13:45	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	10	16	26:00:28	99.10%
<b>I-95 Mainline Subtotal</b>			<b>866</b>	<b>2275</b>	<b>1226:12:05</b>	<b>83.61%</b>
I-95 Express	95X40	NB 95X at NW 62nd St	77	159	94:36:53	100.00%
	95X45	NB 95X at NW 125th St	80	162	122:58:56	99.42%
	95XSB45	SB 95X at NW 62nd St	78	279	166:00:27	98.69%
	95XSB50	SB 95X at NW 125th St	47	93	33:37:55	98.85%
<b>I-95 Express Subtotal</b>			<b>282</b>	<b>693</b>	<b>417:14:11</b>	<b>99.24%</b>
SR 826	14	NB SR 826 n/ of NW 122 ST	51	131	77:46:57	100.00%
	4	EB SR 826 e/ of NW 67 AVE	57	177	125:28:01	100.00%
	5*	EB SR 826 e/ of NW 37 AVE	150	340	201:56:50	N/A**
	15*	WB SR 826 w/ of NW 17 AVE	43	201	315:52:24	N/A**
	17	WB SR 826 w/ of NW 47 AVE	68	250	384:09:24	99.08%
	19	WB SR 826 w/ of NW 67 AVE	87	286	423:11:12	99.56%
	826NB58	NB SR 826 s/ of NW 58 ST	49	91	67:55:18	99.85%
	826SB58	SB SR 826 n/ of NW 58 ST	77	196	314:25:57	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	70	226	317:47:57	100.00%
	826NB1.3-LL	NB SR 826 s/ of SW 72 ST	57	98	217:35:01	100.00%
	826NB4.8-LL**	NB SR 826 at SW 24 ST	85	140	225:31:58	N/A**
	826SB8.8-LL**	SB SR 826 at NW 36 ST	80	213	322:20:30	N/A**
<b>SR 826 Subtotal</b>			<b>874</b>	<b>2349</b>	<b>2994:01:29</b>	<b>99.81%</b>
I-75	43	NB I-75 s/ of Miami Gardens DR	20	44	77:02:21	100.00%
	44	SB I-75 s/ of Miami Gardens DR	97	327	417:23:45	100.00%
	42	SB I-75 s/ of NW 138 ST	105	353	447:54:43	100.00%
<b>I-75 Subtotal</b>			<b>222</b>	<b>724</b>	<b>942:20:49</b>	<b>100.00%</b>
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	200	610	269:23:06	97.39%
	105*	WB I-195 e/ of Alton RD	75	226	94:37:16	N/A**
<b>I-195 Mainline Subtotal</b>			<b>275</b>	<b>836</b>	<b>364:00:22</b>	<b>97.39%</b>
I-395	886WB	Port Blvd WB before US-1	103	380	193:22:33	100.00%
	104	WB I-395 @ Watson Island	158	371	149:32:43	99.14%
<b>I-395 Subtotal</b>			<b>261</b>	<b>751</b>	<b>342:55:16</b>	<b>99.57%</b>
<b>Limited Access Facilities Subtotal</b>			<b>2780</b>	<b>7628</b>	<b>6286:44:12</b>	<b>93.86%</b>



# FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – February 2013



**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	95	224	77:22:26	99.37%
	113	WB Ives Dairy RD e/ of I-95	91	225	74:19:18	98.30%
	110	EB Miami Gardens DR w/ of I-95	106	287	101:56:40	99.91%
	111	WB Miami Gardens DR e/ of I-95	109	285	108:22:22	99.73%
	112	EB NW 103 ST w/ of I-95	98	286	118:51:49	100.00%
	106	EB NW 79 ST w/ of I-95	125	402	169:33:51	99.06%
	107	EB NW 54 ST w/ of I-95	167	554	237:59:13	100.00%
	108	EB SW 8 ST w/ of I-95	85	360	182:07:25	97.64%
<b><i>I-95 Arterial Subtotal</i></b>			<b>876</b>	<b>2623</b>	<b>1070:33:04</b>	<b>99.25%</b>
Golden Glades Interchange	6*	WB SR 826 w/ of NE 2nd AVE	0	0	0:00:00	N/A**
	7	SB Turnpike to the Golden Glades	158	383	164:16:08	100.00%
	9	NB US-441@TRI-Rail	61	139	113:16:36	100.00%
	10	NB SR 9 @ the Detention Center	104	271	140:40:49	100.00%
	8	SB US-441 @NW 179 ST	160	377	187:46:34	100.00%
<b><i>Golden Glades Interchange Subtotal</i></b>			<b>483</b>	<b>1170</b>	<b>606:00:07</b>	<b>100.00%</b>
SR 826 Arterial	SW24EB	EB SW 24 ST w/ of SR 826	97	208	159:52:14	100.00%
	SW24WB	WB SW 24 ST e/ of SR 826	97	208	159:52:14	100.00%
	SW40EB	EB SW 40 ST w/ of SR 826	90	207	174:38:02	100.00%
	SW40WB	WB SW 40 ST e/ of SR 826	91	208	174:45:15	100.00%
	SW56EB	EB SW 56 ST w/ of SR 826	81	213	188:00:58	100.00%
	SW56WB	WB SW 56 ST e/ of SR 826	81	214	188:00:52	100.00%
	SW72EB	EB SW 72 ST w/ of SR 826	105	446	383:15:55	100.00%
	SW72WB	WB SW 72 ST e/ of SR 826	105	446	383:16:04	100.00%
<b><i>SR 826 Arterial Subtotal</i></b>			<b>747</b>	<b>2150</b>	<b>1811:41:34</b>	<b>100.00%</b>
I-195 Arterial	38	SB Alton RD to WB I-195	47	135	60:43:36	98.79%
	39	WB 41 ST to WB I-195	41	113	54:47:15	97.76%
	40	NB Alton RD to WB I-195	42	118	55:48:32	98.77%
<b><i>I-195 Arterial Subtotal</i></b>			<b>130</b>	<b>366</b>	<b>171:19:23</b>	<b>98.44%</b>
US-1 in Miami-Dade County	23*	NB US-1 n/ of SW 17 AVE	0	0	0:00:00	N/A**
	45	SB US-1 @ SW 62 AVE & SW 80 ST	74	372	377:47:49	97.23%
	47	SB US-1 @ TURNPIKE SB	9	9	24:46:55	99.91%
	46	NB US-1 @ Killian DR	46	86	246:10:20	100.00%
	48	NB US-1 @ TURNPIKE NB	39	151	205:00:29	99.55%
<b><i>US-1 in Miami-Dade County Subtotal</i></b>			<b>168</b>	<b>618</b>	<b>853:45:33</b>	<b>99.17%</b>



**FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM  
DMS Usage Report – February 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	NB US-1 @ Florida City	8	46	43:39:37	90.28%
	64	NB US-1 @ Mile Marker 106	15	28	50:23:17	97.22%
	66	NB US-1 @ Mile Marker 91.5	15	40	38:07:16	98.73%
	68	NB US-1 @ Mile Marker 39.5	25	99	72:08:59	93.62%
	71	NB US-1 @ Mile Marker 7.5	21	91	52:20:22	99.96%
	61*	SB US-1 @ Florida City	0	0	0:00:00	N/A**
	63	SB US-1 @ Mile Marker 113	17	87	43:32:51	100.00%
	65	SB US-1 @ Mile Marker 106	22	93	62:23:37	97.16%
	67	SB US-1 @ Mile Marker 91.5	15	52	40:57:51	97.68%
	69	SB US-1 @ Mile Marker 39.5	13	33	47:13:45	93.84%
	70	SB US-1 @ Mile Marker 7.5	7	19	26:39:34	99.96%
<b>US-1 South of Florida City Subtotal</b>			<b>158</b>	<b>588</b>	<b>477:27:09</b>	<b>96.85%</b>
<b>Arterials Subtotal</b>			<b>2562</b>	<b>7515</b>	<b>4990:46:50</b>	<b>98.77%</b>
<b>Limited Access Facilities Subtotal</b>			<b>2780</b>	<b>7628</b>	<b>6286:44:12</b>	<b>93.86%</b>
<b>Grand Total</b>			<b>5342</b>	<b>15143</b>	<b>11277:31:02</b>	<b>96.65%</b>

\*DMS 5, 6, 15, 23, 57, 61, and 105 were undergoing testing for Capital Improvement and were 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.



# FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – February 2013



**Table 4 Number of Messages by Roadway**

Sign For Events On			DMS Located Along										US-1 in Miami-Dade County	US-1 South of Florida City
			I-95 Mainline	95 Express	SR 826	I-75	I-195 Mainline	I-395	I-95 Arterial	GGI	SR 826 Arterial	I-195 Arterial		
Vehicle Alert			69	16	79	38	17	8	0	12	8	15	42	93
Safety Messaging			0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	I-95	1267	165	234	13	341	275	1662	658	0	219	0	0
	Miami-Dade	Express Lanes	348	195	74	0	136	142	14	166	0	21	0	0
	Miami-Dade	I-195	20	0	0	0	43	5	27	0	0	40	0	0
	Miami-Dade	I-395	295	169	2	0	197	160	541	33	3	20	0	0
	Miami-Dade	MacArthur Causeway	47	18	0	0	45	71	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	24	10	1580	492	0	0	28	58	768	0	45	0
	Miami-Dade	I-75	0	0	126	149	0	0	0	20	40	0	0	0
	Miami-Dade	US-1	6	0	16	0	0	12	6	0	1111	0	509	31
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	456
	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	2	8
	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	4	2	2	0	0	0	0	3	0	0	0	0	
Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0	
MDX	Miami-Dade	SR-836	42	27	96	0	35	72	77	0	164	24	5	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	80	32	0	0	17	6	41	0	0	27	0	0
	Miami-Dade	SR-874	0	0	16	0	0	0	0	0	56	0	15	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-924	0	0	50	26	0	0	0	0	0	0	0	0
District 4	Broward	I-95	53	51	55	0	5	0	227	197	0	0	0	0
	Broward	I-75	0	0	13	6	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	15	8	6	0	0	0	0	13	0	0	0	0
	Broward	Floridas Turnpike	5	0	0	0	0	0	0	10	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			1267	195	1580	149	43	160	1662	658	768	40	509	487
Subtotal of Off Route			1008	498	769	575	793	591	961	512	1382	326	109	101
Total District 6			2080	575	2113	692	779	673	2278	950	1930	315	598	588
Other Agencies			195	118	236	32	57	78	345	220	220	51	20	0
Total			2275	693	2349	724	836	751	2623	1170	2150	366	618	588

**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**

