



**Summary of Monthly Operations**

In the month of October, there were 19,763 messages posted with 6,814 DMS activations for 1,070 events. The DMS efficiency was 99.91% (1,069 of the 1,070 signable events had DMS messages posted). There was an average of 6.37 DMSs activated per each signable event and an average of 2.90 DMS messages were posted per each DMS activation. This resulted in an average of 18.47 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**

- $\frac{6814 \text{ DMS Activations}}{1070 \text{ Events}} = \underline{6.37} \text{ Average DMS Activations per Event}$

*An average of 6.37 DMSs were activated per each signable event*

- $\frac{19763 \text{ DMS Messages}}{6814 \text{ DMS Activations}} = \underline{2.90} \text{ Average DMS Messages per Activation}$

*An average of 2.90 DMS messages were posted per each DMS activation*

- $6.37 \frac{\text{DMS Activations}}{\text{Events}} \times 2.90 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{18.47^*} \text{ DMS Messages per Event}$

*An average of 18.47\* 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	1161
Florida's Turnpike Enterprise	127
Miami-Dade Expressway Authority	1317
<b>Total</b>	<b>2605</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	8867
Other Districts' Incidents	1333
Construction	7981
Safety	643
Vehicle Alert	939
<b>Total</b>	<b>19763</b>



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



**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	393	608:34:27	100.00%
	22	I-95 NB south of NW 62 St	90	287	461:20:55	99.63%
	75	I-95 NB before SR 112	186	420	197:51:41	98.60%
	77*	I-95 NB beyond SW 8 St	0	0	0:00:00	N/A*
	2	I-95 SB north of Ives Dairy Rd	255	856	1040:39:52	99.91%
	3	I-95 SB north of Miami Gardens Dr	249	787	972:40:00	100.00%
	20	I-95 SB south of NW 119 St	82	234	132:42:45	100.00%
	21	I-95 SB south of NW 62 St	113	295	172:26:30	99.61%
	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>I-95 Mainline Subtotal</i></b>			<b>1104</b>	<b>3272</b>	<b>3586:16:10</b>	<b>99.68%</b>
I-95 Express	95X40	95X NB at NW 62nd St	121	272	429:12:40	99.92%
	95X45	95X NB at NW 125th St	127	344	566:41:10	97.05%
	95XSB45	95X SB at NW 62nd St	101	248	149:48:27	99.82%
	95XSB50	95X SB at NW 125th St	93	218	100:46:45	99.92%
<b><i>I-95 Express Subtotal</i></b>			<b>442</b>	<b>1082</b>	<b>1246:29:02</b>	<b>99.18%</b>
SR 826	14	SR 826 NB beyond NW 122 St	70	201	149:46:51	100.00%
	4	SR 826 EB east of NW 67 Ave	96	423	1050:57:05	100.00%
	5	SR 826 EB east of NW 37 Ave	282	908	1280:41:30	99.86%
	15	SR 826 WB beyond NW 17 Ave	39	106	114:28:59	100.00%
	17	SR 826 WB beyond NW 47 Ave	42	103	145:17:43	100.00%
	19	SR 826 WB beyond NW 67 Ave	51	141	162:45:29	100.00%
	826NB58	SR 826 NB before NW 58 St	52	133	98:10:18	100.00%
	826SB58	SR 826 SB before NW 58 St	120	278	317:17:49	100.00%
	826SB103	SR 826 SB before NW 103 St	87	231	258:57:29	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	80	216	528:41:12	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	106	258	553:37:34	N/A**
	826SB8.8-LL**	SR 826 SB at NW 36 St	120	262	288:32:07	N/A**
<b><i>SR 826 Subtotal</i></b>			<b>1145</b>	<b>3260</b>	<b>4949:14:06</b>	<b>99.99%</b>
I-75	43	I-75 NB before Miami Gardens Dr	12	40	64:08:25	100.00%
	44	I-75 SB before Miami Gardens Dr	83	174	178:17:50	96.61%
	42	I-75 SB ramp from NW 138 St	98	259	273:35:56	100.00%
<b><i>I-75 Subtotal</i></b>			<b>193</b>	<b>473</b>	<b>516:02:11</b>	<b>98.87%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	18	48	66:47:27	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>I-195 Mainline Subtotal</i></b>			<b>18</b>	<b>48</b>	<b>66:47:27</b>	<b>100.00%</b>
I-395	886WB	Port Blvd WB before US-1	114	302	178:17:02	100.00%
	104	I-395 WB at Watson Island	216	500	255:05:33	98.99%
<b><i>I-395 Subtotal</i></b>			<b>330</b>	<b>802</b>	<b>433:22:35</b>	<b>99.50%</b>
<b><i>Limited Access Facilities Subtotal</i></b>			<b>3232</b>	<b>8937</b>	<b>10798:11:31</b>	<b>99.63%</b>



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



**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	155	524	341:30:40	100.00%
	113	Ives Dairy Rd WB before I-95	154	506	313:40:41	98.52%
	110	Miami Gardens Dr EB before I-95	163	528	330:11:39	99.96%
	111	Miami Gardens Dr WB before I-95	169	547	351:26:27	99.84%
	112	NW 103 St EB before I-95	166	432	240:25:38	99.96%
	106	NW 79 St EB before I-95	156	403	216:16:54	100.00%
	107	NW 54 St EB before I-95	161	391	160:19:31	100.00%
	108	SW 8 St EB before I-95	86	202	108:58:12	96.86%
<b><i>I-95 Arterial Subtotal</i></b>			<b>1210</b>	<b>3533</b>	<b>2062:49:42</b>	<b>99.39%</b>
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	270	918	1250:57:25	96.58%
	7	Turnpike SB to Golden Glades	269	885	1063:45:00	99.66%
	9	US-441 NB at TRI-Rail	102	342	599:10:10	100.00%
	10	SR 9 NB before Park & Ride	182	678	789:06:17	100.00%
	8	US-441 SB at NW 179 St	283	925	1259:41:02	99.66%
<b><i>Golden Glades Interchange Subtotal</i></b>			<b>1106</b>	<b>3748</b>	<b>4962:39:54</b>	<b>99.18%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	125	310	596:03:37	100.00%
	SW24WB	SW 24 St WB before SR 826	125	310	596:03:33	100.00%
	SW40EB	SW 40 St EB before SR 826	117	305	610:46:43	100.00%
	SW40WB	SW 40 St WB before SR 826	116	304	610:41:05	100.00%
	SW56EB	SW 56 St EB before SR 826	92	229	462:42:53	100.00%
	SW56WB	SW 56 St WB before SR 826	92	229	462:42:42	100.00%
	SW72EB	SW 72 St EB before SR 826	80	209	452:27:48	100.00%
	SW72WB	SW 72 St WB before SR 826	84	215	454:15:47	100.00%
<b><i>SR 826 Arterial Subtotal</i></b>			<b>831</b>	<b>2111</b>	<b>4245:44:08</b>	<b>100.00%</b>
I-195 Arterial	38	Alton Rd SB before I-195	52	131	54:24:53	99.73%
	39	Arthur Godfrey WB before I-195	48	127	53:20:22	99.20%
	40	Alton Rd NB before I-195	51	130	53:50:52	99.73%
<b><i>I-195 Arterial Subtotal</i></b>			<b>151</b>	<b>388</b>	<b>161:36:07</b>	<b>99.55%</b>
US-1 in Miami-Dade County	23***	US-1 NB beyond SW 17 Ave	72	210	138:00:52	N/A***
	45	US-1 SB before SW 80 St	34	88	180:06:28	99.95%
	47	US-1 SB at Florida's Turnpike	8	40	48:22:44	100.00%
	46	US-1 NB before Killian Dr	45	155	214:00:19	100.00%
	48	US-1 NB at Florida's Turnpike	7	45	49:40:00	100.00%
<b><i>US-1 in Miami-Dade County Subtotal</i></b>			<b>166</b>	<b>538</b>	<b>630:10:23</b>	<b>99.99%</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	6	28	44:53:16	99.12%
	64	US-1 NB at Mile Marker 106	11	36	61:56:51	91.73%
	66	US-1 NB at Mile Marker 91.5	6	32	49:33:58	100.00%
	68	US-1 NB at Mile Marker 39.5	12	40	68:55:31	96.05%
	71	US-1 NB at Mile Marker 7.5	7	37	45:13:43	81.84%
	61***	US-1 SB at Mile Marker 126	17	80	61:22:07	N/A***
	63	US-1 SB at Mile Marker 113	14	67	54:57:44	91.12%
	65	US-1 SB at Mile Marker 106	21	78	75:01:04	91.71%
	67	US-1 SB at Mile Marker 91.5	9	49	37:57:38	96.00%
	69	US-1 SB at Mile Marker 39.5	11	35	63:35:39	95.34%
	70	US-1 SB at Mile Marker 7.5	4	26	43:55:30	95.77%
<b>US-1 South of Florida City Subtotal</b>			<b>118</b>	<b>508</b>	<b>607:23:01</b>	<b>93.87%</b>
<b>Arterials Subtotal</b>			<b>3582</b>	<b>10826</b>	<b>12670:23:15</b>	<b>98.11%</b>
<b>Limited Access Facilities Subtotal</b>			<b>3232</b>	<b>8937</b>	<b>10798:11:31</b>	<b>99.63%</b>
<b>Grand Total</b>			<b>6814</b>	<b>19763</b>	<b>23468:34:46</b>	<b>98.74%</b>

\*DMS 74, 76, 77, 103, 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.

\*\*\*Two DMS along US-1 in Miami-Dade and Monroe County are operational and are still under warranty; system availability is not measured for these devices.



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



**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			113	61	198	61	24	21	0	65	104	36	87	179
Safety Messaging			91	51	153	39	13	26	0	64	0	0	65	141
District 6	Miami-Dade	I-95	2126	345	931	57	0	194	2781	2472	0	271	88	0
	Miami-Dade	Express Lanes	500	353	149	0	0	207	0	441	0	0	0	0
	Miami-Dade	I-195	21	0	0	0	11	16	42	0	0	42	1	0
	Miami-Dade	I-395	29	28	0	0	0	169	72	0	0	1	32	0
	Miami-Dade	MacArthur Causeway	48	48	0	0	0	42	0	0	0	0	36	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	92	28	1332	280	0	0	132	206	1507	0	62	0
	Miami-Dade	I-75	0	0	28	9	0	0	2	15	6	0	0	0
	Miami-Dade	US-1	1	0	0	0	0	14	12	0	12	0	76	2
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	21	186
	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	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	36	28	241	0	0	79	88	0	338	12	41	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	49	24	0	0	0	34	60	3	0	26	3	0
	Miami-Dade	SR-874	0	0	45	0	0	0	0	0	144	0	16	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	10	0
Miami-Dade	SR-924	0	0	22	18	0	0	0	0	0	0	0	0	
District 4	Broward	I-95	130	114	138	0	0	0	327	443	0	0	0	0
	Broward	I-75	0	0	6	3	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	35	11	16	6	0	0	17	36	0	0	0	0
	Broward	Floridas Turnpike	1	1	1	0	0	0	0	3	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			2126	353	1332	9	11	169	2781	2472	1507	42	97	188
Subtotal of Off Route			1146	729	1928	464	37	633	752	1276	604	346	441	320
Total District 6			3021	904	2791	446	48	689	3041	3263	1629	350	468	508
Other Agencies			251	178	469	27	0	113	492	485	482	38	70	0
Total			3272	1082	3260	473	48	802	3533	3748	2111	388	538	508

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.

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



## DMS Messages by Time of Day

