



**Summary of Monthly Operations**

In the month of September, there were 17,139 messages posted with 6,219 DMS activations for 960 events. The DMS efficiency was 100.00% (960 of the 960 signable events had DMS messages posted). There was an average of 6.48 DMSs activated per each signable event and an average of 2.76 DMS messages were posted per each DMS activation. This resulted in an average of 17.85 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**

- $\frac{6219 \text{ DMS Activations}}{960 \text{ Events}} = \underline{6.48} \text{ Average DMS Activations per Event}$

*An average of 6.48 DMSs were activated per each signable event*

- $\frac{17139 \text{ DMS Messages}}{6219 \text{ DMS Activations}} = \underline{2.76} \text{ Average DMS Messages per Activation}$

*An average of 2.76 DMS messages were posted per each DMS activation*

- $6.48 \frac{\text{DMS Activations}}{\text{Events}} \times 2.76 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{17.85^*} \text{ DMS Messages per Event}$

*An average of 17.85\* 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	1031
Florida's Turnpike Enterprise	117
Miami-Dade Expressway Authority	781
<b>Total</b>	<b>1929</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	8452
Other Districts' Incidents	1473
Construction	5036
Safety	1767
Vehicle Alert	411
<b>Total</b>	<b>17139</b>



# FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – September 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	136	444	416:22:11	100.00%
	22	I-95 NB south of NW 62 St	101	310	305:43:12	100.00%
	75	I-95 NB before SR 112	177	505	256:07:52	99.13%
	77*	I-95 NB beyond SW 8 St	0	0	0:00:00	N/A*
	2	I-95 SB north of Ives Dairy Rd	227	649	611:14:44	100.00%
	3	I-95 SB north of Miami Gardens Dr	229	625	568:25:26	100.00%
	20	I-95 SB south of NW 119 St	76	241	115:44:23	100.00%
	21	I-95 SB south of NW 62 St	85	289	134:12:03	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>I-95 Mainline Subtotal</i></b>			<b>1031</b>	<b>3063</b>	<b>2407:49:51</b>	<b>99.88%</b>
I-95 Express	95X40	95X NB at NW 62nd St	93	223	231:13:14	98.67%
	95X45	95X NB at NW 125th St	111	328	301:32:58	91.64%
	95XSB45	95X SB at NW 62nd St	60	134	61:05:31	99.78%
	95XSB50	95X SB at NW 125th St	66	113	39:37:16	99.85%
<b><i>I-95 Express Subtotal</i></b>			<b>330</b>	<b>798</b>	<b>633:28:59</b>	<b>97.49%</b>
SR 826	14	SR 826 NB beyond NW 122 St	60	178	104:51:14	100.00%
	4	SR 826 EB east of NW 67 Ave	61	232	488:51:39	100.00%
	5	SR 826 EB east of NW 37 Ave	242	640	711:49:27	100.00%
	15	SR 826 WB beyond NW 17 Ave	57	178	251:44:13	100.00%
	17	SR 826 WB beyond NW 47 Ave	71	191	287:53:21	100.00%
	19	SR 826 WB beyond NW 67 Ave	93	245	318:58:59	100.00%
	826NB58	SR 826 NB before NW 58 St	64	154	87:54:52	100.00%
	826SB58	SR 826 SB before NW 58 St	122	285	373:48:52	100.00%
	826SB103	SR 826 SB before NW 103 St	95	255	329:39:45	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	64	130	113:51:18	99.65%
	826NB4.8-LL**	SR 826 NB at SW 24 St	85	175	128:32:05	N/A**
	826SB8.8-LL**	SR 826 SB at NW 36 St	116	276	342:18:37	N/A**
<b><i>SR 826 Subtotal</i></b>			<b>1130</b>	<b>2939</b>	<b>3540:14:22</b>	<b>99.97%</b>
I-75	43	I-75 NB before Miami Gardens Dr	19	50	68:23:26	100.00%
	44	I-75 SB before Miami Gardens Dr	102	275	330:43:27	99.93%
	42	I-75 SB ramp from NW 138 St	112	319	375:18:20	99.85%
<b><i>I-75 Subtotal</i></b>			<b>233</b>	<b>644</b>	<b>774:25:13</b>	<b>99.93%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	26	124	101:07:22	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>26</b>	<b>124</b>	<b>101:07:22</b>	<b>100.00%</b>
I-395	886WB	Port Blvd WB before US-1	88	226	101:28:46	99.96%
	104	I-395 WB at Watson Island	160	349	163:36:08	99.55%
<b><i>I-395 Subtotal</i></b>			<b>248</b>	<b>575</b>	<b>265:04:54</b>	<b>99.76%</b>
<b><i>Limited Access Facilities Subtotal</i></b>			<b>2998</b>	<b>8143</b>	<b>7722:10:41</b>	<b>99.56%</b>



# FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – September 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	144	427	259:29:00	100.00%
	113	Ives Dairy Rd WB before I-95	144	427	259:10:55	99.94%
	110	Miami Gardens Dr EB before I-95	147	390	203:41:23	100.00%
	111	Miami Gardens Dr WB before I-95	154	411	213:46:11	99.96%
	112	NW 103 St EB before I-95	142	468	224:28:33	97.56%
	106	NW 79 St EB before I-95	133	479	221:40:25	99.93%
	107	NW 54 St EB before I-95	144	455	202:06:29	100.00%
	108	SW 8 St EB before I-95	69	167	78:35:44	91.06%
<b><i>I-95 Arterial Subtotal</i></b>			<b>1077</b>	<b>3224</b>	<b>1662:58:40</b>	<b>98.56%</b>
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	248	714	702:44:24	100.00%
	7	Turnpike SB to Golden Glades	237	657	580:58:27	100.00%
	9	US-441 NB at TRI-Rail	103	349	373:10:41	100.00%
	10	SR 9 NB before Park & Ride	158	516	435:32:02	100.00%
	8	US-441 SB at NW 179 St	242	684	688:05:51	100.00%
<b><i>Golden Glades Interchange Subtotal</i></b>			<b>988</b>	<b>2920</b>	<b>2780:31:25</b>	<b>100.00%</b>
SR 826 Arterial	SW24EB*	SW 24 St EB before SR 826	94	188	117:23:46	99.65%
	SW24WB	SW 24 St WB before SR 826	94	188	117:23:51	98.47%
	SW40EB	SW 40 St EB before SR 826	89	173	114:38:30	99.48%
	SW40WB	SW 40 St WB before SR 826	90	174	111:55:09	99.27%
	SW56EB	SW 56 St EB before SR 826	76	152	82:17:55	99.65%
	SW56WB	SW 56 St WB before SR 826	76	152	82:17:55	99.65%
	SW72EB	SW 72 St EB before SR 826	69	147	81:12:52	99.65%
	SW72WB	SW 72 St WB before SR 826	71	149	81:22:14	99.65%
<b><i>SR 826 Arterial Subtotal</i></b>			<b>659</b>	<b>1323</b>	<b>788:32:12</b>	<b>99.43%</b>
I-195 Arterial	38	Alton Rd SB before I-195	40	94	28:45:28	99.86%
	39	Arthur Godfrey WB before I-195	40	98	30:26:27	99.86%
	40	Alton Rd NB before I-195	40	94	28:45:24	99.83%
<b><i>I-195 Arterial Subtotal</i></b>			<b>120</b>	<b>286</b>	<b>87:57:19</b>	<b>99.85%</b>
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	59	194	100:12:10	98.78%
	45	US-1 SB before SW 80 St	40	82	108:08:39	99.65%
	47	US-1 SB at Florida's Turnpike	11	41	44:33:53	100.00%
	46	US-1 NB before Killian Dr	41	101	132:31:20	100.00%
	48	US-1 NB at Florida's Turnpike	11	41	44:07:21	100.00%
<b><i>US-1 in Miami-Dade County Subtotal</i></b>			<b>162</b>	<b>459</b>	<b>429:33:23</b>	<b>99.69%</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	8	38	34:58:04	100.00%
	64	US-1 NB at Mile Marker 106	22	89	83:42:08	97.27%
	66	US-1 NB at Mile Marker 91.5	18	95	62:29:20	99.53%
	68	US-1 NB at Mile Marker 39.5	27	105	86:00:46	99.20%
	71	US-1 NB at Mile Marker 7.5	24	105	65:37:14	99.26%
	61	US-1 SB at Mile Marker 126	19	67	43:12:56	100.00%
	63	US-1 SB at Mile Marker 113	20	70	51:48:41	97.39%
	65	US-1 SB at Mile Marker 106	24	61	72:28:49	95.03%
	67	US-1 SB at Mile Marker 91.5	18	48	45:54:06	98.36%
	69	US-1 SB at Mile Marker 39.5	22	58	70:24:16	99.19%
	70	US-1 SB at Mile Marker 7.5	13	48	46:57:55	100.00%
<b>US-1 South of Florida City Subtotal</b>			<b>215</b>	<b>784</b>	<b>663:34:15</b>	<b>98.66%</b>
<b>Arterials Subtotal</b>			<b>3221</b>	<b>8996</b>	<b>6413:07:14</b>	<b>99.18%</b>
<b>Limited Access Facilities Subtotal</b>			<b>2998</b>	<b>8143</b>	<b>7722:10:41</b>	<b>99.56%</b>
<b>Grand Total</b>			<b>6219</b>	<b>17139</b>	<b>14135:17:55</b>	<b>99.33%</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.



# FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – September 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		58	18	88	34	14	10	0	22	24	6	44	93
Safety Messaging		228	60	396	95	33	63	0	150	224	0	167	351
District 6	Miami-Dade I-95	1733	270	516	36	0	169	2202	1713	0	93	40	0
	Miami-Dade Express Lanes	417	233	126	0	0	162	0	378	0	3	0	0
	Miami-Dade I-195	189	0	0	0	74	19	239	0	0	115	36	0
	Miami-Dade I-395	41	30	0	0	0	64	83	0	0	0	38	0
	Miami-Dade MacArthur Causeway	26	23	0	0	0	22	0	0	0	0	20	0
	Miami-Dade SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade SR-826	148	55	1512	450	0	0	206	227	814	0	46	0
	Miami-Dade I-75	0	0	24	4	0	0	0	0	0	0	0	0
	Miami-Dade US-1	1	0	0	0	0	0	5	0	56	0	34	0
	Monroe US-1	0	0	0	0	0	0	0	0	0	0	0	315
	Monroe Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	25
	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	31	9	107	0	0	42	57	0	144	33	20
Miami-Dade SR-836 Extension to 137th Ave		0	0	0	0	0	0	0	0	0	0	0	0
Miami-Dade SR-112		56	25	0	0	3	22	45	0	0	36	1	0
Miami-Dade SR-874		0	0	24	0	0	0	0	0	61	0	4	0
Miami-Dade SR-878		0	0	0	0	0	2	2	0	0	0	9	0
Miami-Dade SR-924	0	0	28	20	0	0	0	0	0	0	0	0	
District 4	Broward I-95	97	65	94	0	0	0	375	383	0	0	0	0
	Broward I-75	0	0	12	5	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	38	10	12	0	0	0	10	47	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		1733	233	1512	4	74	64	2202	1713	814	115	34	315
Subtotal of Off Route		1330	565	1427	640	50	511	1022	1207	509	171	425	469
Total District 6		2841	689	2662	619	121	509	2735	2490	1118	217	425	784
Other Agencies		222	109	277	25	3	66	469	430	205	69	34	0
Total		3063	798	2939	644	124	575	3224	2920	1323	286	459	784

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 – September 2013



## DMS Messages by Time of Day

