

## DMS Usage Report – June 2015

### Summary of Monthly Operations

In the month of June, there were 37,638 messages posted with 9,621 DMS activations for 1,398 events. The DMS efficiency was 99.64% (1,393 of the 1,398 signable events had DMS messages posted). There was an average of 6.88 DMSs activated per each signable event and an average of 3.91 DMS messages were posted per each DMS activation. This resulted in an average of 26.92 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

- $\frac{9621 \text{ DMS Activations}}{1398 \text{ Events}} = \underline{6.88} \text{ Average DMS Activations per Event}$

*An average of 6.88 DMSs were activated per each signable event*

- $\frac{37638 \text{ DMS Messages}}{9621 \text{ DMS Activations}} = \underline{3.91} \text{ Average DMS Messages per Activation}$

*An average of 3.91 DMS messages were posted per each DMS activation*

- $6.88 \frac{\text{DMS Activations}}{\text{Events}} \times 3.91 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{26.92^*} \text{ DMS Messages per Event}$

*An average of 26.92\* 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
Port of Miami Tunnel	21
FDOT District 4	1565
Florida's Turnpike Enterprise	8
Miami-Dade Expressway Authority	2668
<b>Total</b>	<b>4262</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	19285
Other Districts' Incidents	1952
Construction	15220
Safety	111
Vehicle Alert	1070
<b>Total</b>	<b>37638</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	206	953	2546:34:23	100.00%
	22	I-95 NB south of NW 62 St	187	934	2279:50:31	100.00%
	75	I-95 NB before SR 112	377	1213	1868:34:58	100.00%
	77	I-95 NB beyond SW 8 St	363	1104	1364:56:43	100.00%
	2***	I-95 SB north of Ives Dairy Rd	228	1005	2090:45:31	N/A***
	3***	I-95 SB north of Miami Gardens Dr	300	1104	1828:42:05	N/A***
	095NB013.5LL***	I-95 NB north of NW 173 St	74	283	875:46:27	N/A***
	20	I-95 SB south of NW 119 St	138	588	1295:41:05	100.00%
	21	I-95 SB south of NW 62 St	146	408	984:07:00	100.00%
	74	I-95 SB beyond of SR 112	101	340	847:07:22	100.00%
76	I-95 SB before Rickenbacker Cswy	15	98	451:21:00	63.89%	
<b><i>I-95 Mainline Subtotal</i></b>			<b>2135</b>	<b>8030</b>	<b>16433:27:05</b>	<b>95.49%</b>
I-95 Express	95X40	95X NB at NW 62nd St	148	510	1589:26:01	97.87%
	95X45	95X NB at NW 125th St	171	681	1747:11:56	97.83%
	95XSB45	95X SB at NW 62nd St	145	383	947:49:35	99.71%
	95XSB50	95X SB at NW 125th St	107	303	793:49:05	99.87%
	095SB014.6-EL***	95X SB at Miami Gardens Dr	85	149	152:09:25	N/A***
	095NB014.8-EL***	95X SB north of Miami Gardens Dr	32	102	96:43:50	N/A***
<b><i>I-95 Express Subtotal</i></b>			<b>688</b>	<b>2128</b>	<b>5327:09:52</b>	<b>98.82%</b>
SR 826	14	SR 826 NB beyond NW 122 St	82	445	1080:16:31	97.17%
	4	SR 826 EB east of NW 67 Ave	118	510	1022:26:45	100.00%
	5	SR 826 EB east of NW 37 Ave	309	1132	2467:26:20	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	122	587	1436:17:35	100.00%
	19	SR 826 WB beyond NW 67 Ave	124	593	1293:49:00	94.92%
	826NB58	SR 826 NB before NW 58 St	82	428	1056:16:00	99.45%
	826SB58	SR 826 SB before NW 58 St	111	443	1112:51:02	99.45%
	826SB103	SR 826 SB before NW 103 St	116	508	1156:27:31	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	81	304	867:03:00	99.07%
	826NB4.8-LL**	SR 826 NB at SW 24 St	159	467	972:22:30	N/A**
	826SB8.8-LL**	SR 826 SB at NW 36 St	147	500	1154:45:04	N/A**
<b><i>SR 826 Subtotal</i></b>			<b>1451</b>	<b>5917</b>	<b>13620:01:18</b>	<b>98.90%</b>
I-75	43	I-75 NB before Miami Gardens Dr	37	333	1537:16:41	99.34%
	44	I-75 SB before Miami Gardens Dr	125	551	920:22:21	95.23%
	42	I-75 SB ramp from NW 138 St	154	705	1068:37:55	100.00%
<b><i>I-75 Subtotal</i></b>			<b>316</b>	<b>1589</b>	<b>3526:16:57</b>	<b>98.19%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	28	158	759:46:31	100.00%
	105	I-195 WB before Alton Rd	226	969	1734:10:51	100.00%
<b><i>I-195 Mainline Subtotal</i></b>			<b>254</b>	<b>1127</b>	<b>2493:57:22</b>	<b>100.00%</b>
I-395	886WB	Port Blvd WB before US-1	201	822	1149:51:44	100.00%
	104	I-395 WB at Watson Island	270	840	1079:46:16	87.01%
<b><i>I-395 Subtotal</i></b>			<b>471</b>	<b>1662</b>	<b>2229:38:00</b>	<b>93.51%</b>
<b><i>Limited Access Facilities Subtotal</i></b>			<b>5315</b>	<b>20453</b>	<b>43630:30:34</b>	<b>97.53%</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	0	0	0:00:00	N/A***
	113***	Ives Dairy Rd WB before I-95	0	0	0:00:00	N/A***
	110***	Miami Gardens Dr EB before I-95	34	127	206:19:25	N/A***
	111***	Miami Gardens Dr WB before I-95	216	911	1320:05:14	N/A***
	112	NW 103 St EB before I-95	243	896	863:28:30	98.83%
	106	NW 79 St EB before I-95	216	782	776:53:24	98.96%
	107	NW 54 St EB before I-95	141	503	503:31:20	57.99%
	108	SW 8 St EB before I-95	166	603	702:05:49	98.86%
<b><i>I-95 Arterial Subtotal</i></b>			<b>1016</b>	<b>3822</b>	<b>4372:23:42</b>	<b>88.66%</b>
Golden Glades Interchange	6***	SR 826 WB west of NE 2nd Ave	343	1309	2567:20:50	N/A***
	7	Turnpike SB to Golden Glades	325	1143	1841:56:43	99.78%
	9	US-441 NB at TRI-Rail	104	393	824:16:37	88.04%
	10	SR 9 NB before Park & Ride	149	603	1043:36:47	99.93%
	8	US-441 SB at NW 179 St	298	1078	1711:01:22	99.91%
<b><i>Golden Glades Interchange Subtotal</i></b>			<b>1219</b>	<b>4526</b>	<b>7988:12:19</b>	<b>96.92%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	155	480	954:51:19	98.98%
	SW24WB	SW 24 St WB before SR 826	155	480	954:51:31	98.98%
	SW40EB	SW 40 St EB before SR 826	116	387	916:19:23	98.97%
	SW40WB	SW 40 St WB before SR 826	117	391	916:41:33	98.98%
	SW56EB	SW 56 St EB before SR 826	90	325	853:54:59	98.99%
	SW56WB	SW 56 St WB before SR 826	90	323	853:26:39	98.99%
	SW72EB	SW 72 St EB before SR 826	81	312	852:02:52	98.99%
	SW72WB	SW 72 St WB before SR 826	81	312	852:02:51	98.99%
	WFLAGLEREB**	W Flagler ST EB before SR 826	93	316	514:03:23	N/A**
WFLAGLERWB**	W Flagler ST WB before SR 826	94	316	514:11:25	N/A**	
<b><i>SR 826 Arterial Subtotal</i></b>			<b>1072</b>	<b>3642</b>	<b>8182:25:55</b>	<b>98.98%</b>
I-195 Arterial	38	Alton Rd SB before I-195	151	729	1134:35:28	100.00%
	39	Arthur Godfrey WB before I-195	149	729	1134:25:25	100.00%
	40	Alton Rd NB before I-195	149	727	1134:23:35	100.00%
<b><i>I-195 Arterial Subtotal</i></b>			<b>449</b>	<b>2185</b>	<b>3403:24:28</b>	<b>100.00%</b>
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	136	559	1065:45:38	100.00%
	45	US-1 SB before SW 80 St	34	173	729:00:10	97.16%
	47	US-1 SB at Florida's Turnpike	24	134	680:01:09	98.09%
	46	US-1 NB before Killian Dr	58	237	816:22:31	100.00%
	48	US-1 NB at Florida's Turnpike	22	128	678:12:36	93.27%
<b><i>US-1 in Miami-Dade County Subtotal</i></b>			<b>274</b>	<b>1231</b>	<b>3969:22:04</b>	<b>97.70%</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	22	138	754:07:26	100.00%
	64	US-1 NB at Mile Marker 106	18	133	691:55:55	95.54%
	66	US-1 NB at Mile Marker 91.5	21	130	721:29:42	96.65%
	68	US-1 NB at Mile Marker 39.5	21	125	638:09:53	78.82%
	71	US-1 NB at Mile Marker 7.5	32	270	1283:09:21	99.57%
	61	US-1 SB at Mile Marker 126	37	262	1336:23:54	100.00%
	63	US-1 SB at Mile Marker 113	35	181	842:23:16	100.00%
	65	US-1 SB at Mile Marker 106	32	181	789:02:53	99.07%
	67	US-1 SB at Mile Marker 91.5	29	138	765:29:57	92.19%
	69	US-1 SB at Mile Marker 39.5	15	99	513:04:54	78.82%
	70	US-1 SB at Mile Marker 7.5	14	122	629:39:40	90.10%
<b>US-1 South of Florida City Subtotal</b>			<b>276</b>	<b>1779</b>	<b>8964:56:51</b>	<b>93.71%</b>
<b>Arterials Subtotal</b>			<b>4306</b>	<b>17185</b>	<b>36880:45:19</b>	<b>95.81%</b>
<b>Limited Access Facilities Subtotal</b>			<b>5315</b>	<b>20453</b>	<b>43630:30:34</b>	<b>97.53%</b>
<b>Grand Total</b>			<b>9621</b>	<b>37638</b>	<b>80511:15:53</b>	<b>96.58%</b>

\*DMS 15 was undergoing testing for Capital Improvement and was used periodically. Messages posted on this DMS are not computed and system availability is not measured for this device.

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

\*\*\* DMS 2, 3, 6, 109, 110, 111, 113, FLD6DOT095NB013.5-LL, FLD6DOT095SB014.6-EL, and FLD6DOT095NB014.8-EL 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			228	54	164	83	26	24	18	38	10	54	130	241
Safety Messaging			47	15	11	3	2	1	1	5	10	0	5	11
District 6	Miami-Dade	I-95	4,421	419	881	9	608	915	2,862	2,310	2	1,275	349	0
	Miami-Dade	Express Lanes	763	567	172	0	0	176	0	491	0	0	0	0
	Miami-Dade	I-195	71	0	0	0	124	30	63	27	0	421	14	0
	Miami-Dade	I-395	0	0	0	0	0	22	0	0	0	0	0	0
	Miami-Dade	MacArthur Causeway	15	3	0	0		7	0	0	0	0	3	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	223	79	2,496	922	0	0	167	579	2,042	0	88	0
	Miami-Dade	I-75	0	0	98	65	0	0	0	0	12	0	0	0
	Miami-Dade	US-1	3	0	0	0	0	3	3	0	32	0	23	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	235
	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-997/ Krome Avenue	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	1,403	599	1,289	398	230	191	280	603	960	324	536	1,292
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	273	50	351	6	16	183	80	3	546	27	35	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	367	151	1	0	121	110	140	24	0	84	28	0
	Miami-Dade	SR-874	0	0	1	0	0	0	0	0	22	0	10	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	6	0
Miami-Dade	SR-924	0	0	18	15	0	0	0	0	0	0	0	0	
District 4	Broward	I-95	204	185	121	0	0	0	208	446	0	0	0	0
	Broward	I-75	0	0	313	88	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	6	0	1	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		
Port	Miami-Dade	Port Miami Tunnel	12	6	0	0	0	0	0	0	0	3	0	
Subtotal of On Route			4,421	567	2,496	65	124	22	2,862	2,310	2,042	421	23	235
Subtotal of Off Route			3,609	1,561	3,421	1,524	1,003	1,640	960	2,216	1,600	1,764	1,208	1,544
Total District 6			7,174	1,736	5,111	1,480	990	1,369	3,394	4,053	3,068	2,074	1,148	1,779
Other Agencies			856	392	806	109	137	293	428	473	574	111	83	0
Total			8,030	2,128	5,917	1,589	1,127	1,662	3,822	4,526	3,642	2,185	1,231	1,779

Notes: Vehicle Alert messages are signed for entire Miami-Dade and Monroe Counties; thus, they are not location-specific events.  
 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

