

## DMS Usage Report – February 2015

### Summary of Monthly Operations

In the month of February, there were 34,417 messages posted with 9,232 DMS activations for 1,326 events. The DMS efficiency was 99.77% (1,323 of the 1,326 signable events had DMS messages posted). There was an average of 6.96 DMSs activated per each signable event and an average of 3.73 DMS messages were posted per each DMS activation. This resulted in an average of 25.96 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

- $\frac{9232 \text{ DMS Activations}}{1326 \text{ Events}} = \underline{\mathbf{6.96}}$  Average DMS Activations per Event

*An average of 6.96 DMSs were activated per each signable event*

- $\frac{34417 \text{ DMS Messages}}{9232 \text{ DMS Activations}} = \underline{\mathbf{3.73}}$  Average DMS Messages per Activation

*An average of 3.73 DMS messages were posted per each DMS activation*

- $6.96 \frac{\text{DMS Activations}}{\text{Events}} \times 3.73 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{\mathbf{25.96^*}}$  DMS Messages per Event

*An average of 25.96\* 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	28
FDOT District 4	1384
Florida's Turnpike Enterprise	33
Miami-Dade Expressway Authority	4920
<b>Total</b>	<b>6365</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	18201
Other Districts' Incidents	2270
Construction	13396
Safety	0
Vehicle Alert	550
<b>Total</b>	<b>34417</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	161	613	1789:10:54	99.67%
	22	I-95 NB south of NW 62 St	126	535	1331:44:12	100.00%
	75	I-95 NB before SR 112	289	938	1474:17:35	100.00%
	77	I-95 NB beyond SW 8 St	359	1132	1630:34:12	100.00%
	2****	I-95 SB north of Ives Dairy Rd	251	946	1264:36:31	N/A****
	3****	I-95 SB north of Miami Gardens Dr	259	989	1329:31:09	N/A****
	20	I-95 SB south of NW 119 St	131	480	1203:35:14	100.00%
	21	I-95 SB south of NW 62 St	169	538	1218:41:42	100.00%
	74	I-95 SB beyond of SR 112	146	523	1056:55:00	100.00%
76	I-95 SB before Rickenbacker Cswy	28	218	807:24:03	100.00%	
<b>I-95 Mainline Subtotal</b>			<b>1919</b>	<b>6912</b>	<b>13106:30:32</b>	<b>99.96%</b>
I-95 Express	95X40	95X NB at NW 62nd St	130	384	903:38:30	97.85%
	95X45	95X NB at NW 125th St	143	409	829:41:17	96.54%
	95XSB45	95X SB at NW 62nd St	136	423	1000:51:39	99.82%
	95XSB50	95X SB at NW 125th St	106	339	840:35:00	99.40%
<b>I-95 Express Subtotal</b>			<b>515</b>	<b>1555</b>	<b>3574:46:26</b>	<b>98.40%</b>
SR 826	14	SR 826 NB beyond NW 122 St	81	330	862:14:32	100.00%
	4	SR 826 EB east of NW 67 Ave	114	534	1288:50:09	100.00%
	5	SR 826 EB east of NW 37 Ave	318	1161	1644:20:44	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	88	412	1060:35:00	100.00%
	19	SR 826 WB beyond NW 67 Ave	101	430	1038:04:12	100.00%
	826NB58	SR 826 NB before NW 58 St	59	280	827:19:30	100.00%
	826SB58	SR 826 SB before NW 58 St	140	575	1415:56:53	100.00%
	826SB103	SR 826 SB before NW 103 St	110	472	1071:41:11	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	77	273	852:32:20	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	140	417	940:06:32	N/A**
826SB8.8-LL**	SR 826 SB at NW 36 St	145	548	1409:53:11	N/A**	
<b>SR 826 Subtotal</b>			<b>1373</b>	<b>5432</b>	<b>12411:34:14</b>	<b>100.00%</b>
I-75	43	I-75 NB before Miami Gardens Dr	0	0	0:00:00	N/A*
	44	I-75 SB before Miami Gardens Dr	0	0	0:00:00	N/A*
	42	I-75 SB ramp from NW 138 St	125	485	1009:42:38	100.00%
<b>I-75 Subtotal</b>			<b>125</b>	<b>485</b>	<b>1009:42:38</b>	<b>100.00%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	21	139	798:23:51	100.00%
	105	I-195 WB before Alton Rd	152	608	1409:24:36	100.00%
<b>I-195 Mainline Subtotal</b>			<b>173</b>	<b>747</b>	<b>2207:48:27</b>	<b>100.00%</b>
I-395	886WB	Port Blvd WB before US-1	198	755	1411:39:25	100.00%
	104	I-395 WB at Watson Island	262	806	1310:21:04	84.19%
<b>I-395 Subtotal</b>			<b>460</b>	<b>1561</b>	<b>2722:00:29</b>	<b>92.10%</b>
<b>Limited Access Facilities Subtotal</b>			<b>4565</b>	<b>16692</b>	<b>35032:22:46</b>	<b>99.13%</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	156	550	305:43:03	N/A****
	113****	Ives Dairy Rd WB before I-95	157	555	308:19:55	N/A****
	110****	Miami Gardens Dr EB before I-95	159	553	327:20:43	N/A****
	111****	Miami Gardens Dr WB before I-95	199	703	415:02:44	N/A****
	112	NW 103 St EB before I-95	213	642	525:25:39	100.00%
	106	NW 79 St EB before I-95	204	635	556:53:42	99.63%
	107	NW 54 St EB before I-95	238	753	581:06:18	100.00%
	108	SW 8 St EB before I-95	152	452	322:10:04	86.14%
<b>I-95 Arterial Subtotal</b>			<b>1478</b>	<b>4843</b>	<b>3342:02:08</b>	<b>96.44%</b>
Golden Glades Interchange	6****	SR 826 WB west of NE 2nd Ave	339	1264	1691:03:37	N/A****
	7	Turnpike SB to Golden Glades	345	1362	1764:22:18	99.55%
	9	US-441 NB at TRI-Rail	113	469	980:27:32	100.00%
	10	SR 9 NB before Park & Ride	217	883	1269:01:41	100.00%
	8	US-441 SB at NW 179 St	322	1215	1406:00:13	100.00%
<b>Golden Glades Interchange Subtotal</b>			<b>1336</b>	<b>5193</b>	<b>7110:55:21</b>	<b>99.89%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	142	438	938:23:19	99.91%
	SW24WB	SW 24 St WB before SR 826	142	444	938:04:47	100.00%
	SW40EB	SW 40 St EB before SR 826	130	433	943:11:57	100.00%
	SW40WB	SW 40 St WB before SR 826	131	419	936:50:20	100.00%
	SW56EB	SW 56 St EB before SR 826	104	344	908:17:50	100.00%
	SW56WB	SW 56 St WB before SR 826	104	344	908:17:48	100.00%
	SW72EB	SW 72 St EB before SR 826	82	288	872:12:07	100.00%
	SW72WB	SW 72 St WB before SR 826	86	298	874:12:21	100.00%
	WFLAGLEREB	W Flagler ST EB before SR 826	13	97	382:38:22	N/A**
WFLAGLERWB	W Flagler ST WB before SR 826	13	96	382:38:20	N/A**	
<b>SR 826 Arterial Subtotal</b>			<b>947</b>	<b>3201</b>	<b>8084:47:11</b>	<b>99.99%</b>
I-195 Arterial	38	Alton Rd SB before I-195	113	428	654:02:03	98.70%
	39	Arthur Godfrey WB before I-195	111	418	644:25:11	98.65%
	40	Alton Rd NB before I-195	112	421	653:21:15	98.72%
<b>I-195 Arterial Subtotal</b>			<b>336</b>	<b>1267</b>	<b>1951:48:29</b>	<b>98.69%</b>
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	141	571	1379:25:17	100.00%
	45	US-1 SB before SW 80 St	23	134	799:56:39	100.00%
	47	US-1 SB at Florida's Turnpike	16	122	789:16:24	100.00%
	46	US-1 NB before Killian Dr	42	212	853:58:03	100.00%
	48	US-1 NB at Florida's Turnpike	21	136	799:36:28	100.00%
<b>US-1 in Miami-Dade County Subtotal</b>			<b>243</b>	<b>1175</b>	<b>4622:12:51</b>	<b>100.00%</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	14	119	719:29:37	92.10%
	64	US-1 NB at Mile Marker 106	25	160	744:54:15	86.50%
	66	US-1 NB at Mile Marker 91.5	27	158	759:29:51	90.06%
	68	US-1 NB at Mile Marker 39.5	44	268	866:42:17	90.58%
	71	US-1 NB at Mile Marker 7.5	43	309	1326:17:54	90.09%
	61	US-1 SB at Mile Marker 126	38	266	1278:22:10	89.72%
	63	US-1 SB at Mile Marker 113	36	181	780:42:39	87.21%
	65	US-1 SB at Mile Marker 106	33	178	814:59:28	86.16%
	67	US-1 SB at Mile Marker 91.5	33	175	810:45:47	89.90%
	69	US-1 SB at Mile Marker 39.5	20	122	723:34:56	89.92%
	70	US-1 SB at Mile Marker 7.5	14	110	704:23:37	90.00%
<b>US-1 South of Florida City Subtotal</b>			<b>327</b>	<b>2046</b>	<b>9529:42:31</b>	<b>89.29%</b>
<b>Arterials Subtotal</b>			<b>4667</b>	<b>17725</b>	<b>34641:28:31</b>	<b>96.10%</b>
<b>Limited Access Facilities Subtotal</b>			<b>4565</b>	<b>16692</b>	<b>35032:22:46</b>	<b>99.13%</b>
<b>Grand Total</b>			<b>9232</b>	<b>34417</b>	<b>69673:51:17</b>	<b>97.39%</b>

\*DMS 15, 43, and 44 are undergoing testing for Capital Improvement and is used periodically. Messages posted on these DMS are not computed and system availability is not measured for these devices.

\*\*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, 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			116	30	95	15	15	15	0	27	38	27	58	114
Safety Messaging			0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	I-95	3043	151	991	16	267	554	3117	2452	9	565	199	0
	Miami-Dade	Express Lanes	1074	540	221	0	3	250	3	668	0	9	0	0
	Miami-Dade	I-195	57	0	0	0	35	3	55	0	0	57	4	0
	Miami-Dade	I-395	87	26	0	0	5	57	62	0	0	0	34	0
	Miami-Dade	MacArthur Causeway	47	9	0	0	1	22	0	0	0	0	8	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	212	80	2064	313	0	0	273	899	1178	0	55	0
	Miami-Dade	I-75	0	0	130	25	0	0	0	6	0	0	0	0
	Miami-Dade	US-1	2	0	0	0	0	0	1	0	22	0	39	1
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	615
	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	124
	Miami-Dade	SR-997/ Krome Avenue	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	1130	397	1209	108	223	205	0	543	994	213	548	1192
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	670	126	505	0	123	320	561	4	906	258	179	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	325	84	0	0	75	132	283	44	0	138	43	0
	Miami-Dade	SR-874	3	0	19	0	0	0	0	0	54	0	1	0
	Miami-Dade	SR-878	9	0	0	0	0	3	3	0	0	0	3	0
Miami-Dade	SR-924	0	0	41	8	0	0	0	0	0	0	0	0	
District 4	Broward	I-95	112	101	120	0	0	0	473	547	0	0	0	0
	Broward	I-75	0	0	31	0	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	0	0	0	0	0	0	0	0	0	0	0	0
	Broward	Floridas Turnpike	9	3	6	0	0	0	12	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	
Port	Miami-Dade	Port Miami Tunnel	16	8	0	0	0	0	0	0	0	4	0	
Subtotal of On Route			3043	540	2064	25	35	57	3117	2452	1178	57	39	616
Subtotal of Off Route			3869	1015	3368	460	712	1504	1726	2741	2023	1210	1136	1430
Total District 6			5768	1233	4710	477	549	1106	3511	4595	2241	871	945	2046
Other Agencies			1144	322	722	8	198	455	1332	598	960	396	230	0
Total			6912	1555	5432	485	747	1561	4843	5193	3201	1267	1175	2046

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

