



## DMS Usage Report – January 2016

### Summary of Monthly Operations

In the month of January, there were 40,395 messages posted with 10,570 DMS activations for 1,594 events. The DMS efficiency was 99.87% (1,592 of the 1,594 signable events had DMS messages posted). There was an average of 6.63 DMSs activated per each signable event and an average of 3.82 DMS messages were posted per each DMS activation. This resulted in an average of 25.34 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

- $$\frac{10570 \text{ DMS Activations}}{1594 \text{ Events}} = \underline{\mathbf{6.63}} \text{ Average DMS Activations per Event}$$

*An average of 6.63 DMSs were activated per each signable event*

- $$\frac{40395 \text{ DMS Messages}}{10570 \text{ DMS Activations}} = \underline{\mathbf{3.82}} \text{ Average DMS Messages per Activation}$$

*An average of 3.82 DMS messages were posted per each DMS activation*

- $$6.63 \frac{\text{DMS Activations}}{\text{Events}} \times 3.82 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{\mathbf{25.34^*}} \text{ DMS Messages per Event}$$

*An average of 25.34\* 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	110
FDOT District 4	1615
Florida's Turnpike Enterprise	10
Miami-Dade Expressway Authority	2168
<b>Total</b>	<b>3903</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	23462
Other Districts' Incidents	2387
Construction	9274
Safety	3619
Vehicle Alert	1653
<b>Total</b>	<b>40395</b>



**Florida Department of Transportation**  
**SunGuide Transportation Management Center – District VI**

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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	199	791	2165:28:24	100.00%
	22	I-95 NB south of NW 62 St	168	685	1556:53:31	100.00%
	75	I-95 NB before SR 112	311	932	1386:38:14	100.00%
	77	I-95 NB beyond SW 8 St	362	1008	1493:58:36	100.00%
	2***	I-95 SB north of Ives Dairy Rd	239	759	1365:13:44	N/A***
	3***	I-95 SB north of Miami Gardens Dr	308	945	1434:28:50	N/A***
	095NB013.5LL***	I-95 NB north of NW 173 St	88	375	865:00:05	N/A***
	20	I-95 SB south of NW 119 St	138	457	1024:33:14	100.00%
	21	I-95 SB south of NW 62 St	161	511	1121:10:36	100.00%
	74	I-95 SB beyond of SR 112	156	499	1130:19:08	100.00%
76	I-95 SB before Rickenbacker Cswy	33	241	825:47:49	100.00%	
<b>I-95 Mainline Subtotal</b>			<b>2163</b>	<b>7203</b>	<b>14369:32:11</b>	<b>100.00%</b>
I-95 Express	95X40	95X NB at NW 62nd St	142	414	920:26:00	98.79%
	95X45	95X NB at NW 125th St	176	581	1037:04:09	100.00%
	95XSB45	95X SB at NW 62nd St	138	446	1026:47:54	100.00%
	95XSB50	95X SB at NW 125th St	122	395	863:46:03	100.00%
	095SB014.6-EL***	95X SB at Miami Gardens Dr	279	837	1435:28:11	N/A***
	095NB014.8-EL***	95X SB north of Miami Gardens Dr	72	360	869:37:25	N/A***
<b>I-95 Express Subtotal</b>			<b>929</b>	<b>3033</b>	<b>6153:09:42</b>	<b>99.70%</b>
SR 826	14*	SR 826 NB beyond NW 122 St	0	0	0:00:00	N/A*
	4	SR 826 EB east of NW 67 Ave	109	434	974:58:59	100.00%
	5	SR 826 EB east of NW 37 Ave	361	1012	1521:33:16	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	139	712	1112:49:45	100.00%
	19	SR 826 WB beyond NW 67 Ave	160	843	1117:46:47	93.04%
	826NB58*	SR 826 NB before NW 58 St	0	0	0:00:00	N/A*
	826SB58*	SR 826 SB before NW 58 St	0	0	0:00:00	N/A*
	826SB103****	SR 826 SB before NW 103 St	82	409	1102:50:53	N/A****
	826NB1.3-LL	SR 826 NB before SW 72 St	97	402	1133:03:39	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	227	673	1518:00:43	N/A**
826SB8.8-LL**	SR 826 SB at NW 36 St	176	714	1503:07:46	N/A**	
<b>SR 826 Subtotal</b>			<b>1351</b>	<b>5199</b>	<b>9984:11:48</b>	<b>98.61%</b>
I-75	43	I-75 NB before Miami Gardens Dr	45	384	1598:51:26	100.00%
	44	I-75 SB before Miami Gardens Dr	186	919	1339:50:38	98.14%
	42	I-75 SB ramp from NW 138 St	192	962	1359:40:49	94.91%
<b>I-75 Subtotal</b>			<b>423</b>	<b>2265</b>	<b>4298:22:53</b>	<b>97.68%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	42	260	841:58:33	100.00%
	105	I-195 WB before Alton Rd	178	616	1131:39:58	100.00%
<b>I-195 Mainline Subtotal</b>			<b>220</b>	<b>876</b>	<b>1973:38:31</b>	<b>100.00%</b>
I-395	886WB	Port Blvd WB before US-1	232	760	1242:49:53	100.00%
	104	I-395 WB at Watson Island	314	879	1292:06:24	93.87%
<b>I-395 Subtotal</b>			<b>546</b>	<b>1639</b>	<b>2534:56:17</b>	<b>96.94%</b>
<b>Limited Access Facilities Subtotal</b>			<b>5632</b>	<b>20215</b>	<b>39313:51:22</b>	<b>99.11%</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	104	340	478:38:30	N/A***
	113***	Ives Dairy Rd WB before I-95	15	64	83:31:33	N/A***
	110***	Miami Gardens Dr EB before I-95	100	312	424:45:50	N/A***
	111***	Miami Gardens Dr WB before I-95	115	421	527:56:23	N/A***
	112	NW 103 St EB before I-95	200	636	953:38:25	98.64%
	106	NW 79 St EB before I-95	211	678	1036:42:14	99.12%
	107	NW 54 St EB before I-95	246	764	1149:57:16	99.34%
	108	SW 8 St EB before I-95	173	569	1061:24:57	99.16%
<b>I-95 Arterial Subtotal</b>			<b>1164</b>	<b>3784</b>	<b>5716:35:08</b>	<b>99.07%</b>
Golden Glades Interchange	6***	SR 826 WB west of NE 2nd Ave	356	1041	1484:18:58	N/A***
	7	Turnpike SB to Golden Glades	368	1072	1488:33:11	99.96%
	9	US-441 NB at TRI-Rail	113	472	955:05:50	99.79%
	10	SR 9 NB before Park & Ride	114	473	955:40:35	99.64%
	8	US-441 SB at NW 179 St	284	876	1369:07:40	99.95%
<b>Golden Glades Interchange Subtotal</b>			<b>1235</b>	<b>3934</b>	<b>6252:46:14</b>	<b>99.84%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	216	905	1562:40:11	100.00%
	SW24WB	SW 24 St WB before SR 826	216	905	1562:40:04	100.00%
	SW40EB	SW 40 St EB before SR 826	185	838	1519:09:21	100.00%
	SW40WB	SW 40 St WB before SR 826	184	847	1519:06:44	100.00%
	SW56EB	SW 56 St EB before SR 826	156	789	1470:58:07	100.00%
	SW56WB	SW 56 St WB before SR 826	156	789	1470:58:02	100.00%
	SW72EB	SW 72 St EB before SR 826	131	702	1365:39:05	100.00%
	SW72WB	SW 72 St WB before SR 826	132	703	1365:55:49	100.00%
	WFLAGLEREB**	W Flagler ST EB before SR 826	13	48	78:59:22	N/A**
	WFLAGLERWB**	W Flagler ST WB before SR 826	1	6	2:19:58	N/A**
<b>SR 826 Arterial Subtotal</b>			<b>1390</b>	<b>6532</b>	<b>11918:26:43</b>	<b>100.00%</b>
I-195 Arterial	38	Alton Rd SB before I-195	131	490	951:34:18	98.20%
	39	Arthur Godfrey WB before I-195	133	495	1000:09:11	100.00%
	40	Alton Rd NB before I-195	133	493	998:05:24	99.78%
<b>I-195 Arterial Subtotal</b>			<b>397</b>	<b>1478</b>	<b>2949:48:53</b>	<b>99.33%</b>
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	177	579	1102:16:44	100.00%
	45	US-1 SB before SW 80 St	41	240	837:10:11	99.60%
	47	US-1 SB at Florida's Turnpike	29	216	822:16:48	100.00%
	46	US-1 NB before Killian Dr	71	354	933:48:08	100.00%
	48	US-1 NB at Florida's Turnpike	26	194	745:00:03	93.59%
<b>US-1 in Miami-Dade County Subtotal</b>			<b>344</b>	<b>1583</b>	<b>4440:31:54</b>	<b>98.64%</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	31	226	847:58:31	99.90%
	64	US-1 NB at Mile Marker 106	21	140	532:46:29	67.10%
	66	US-1 NB at Mile Marker 91.5	31	227	847:46:08	99.84%
	68	US-1 NB at Mile Marker 39.5	36	252	892:44:43	98.66%
	71	US-1 NB at Mile Marker 7.5	40	346	1575:42:03	99.50%
	61	US-1 SB at Mile Marker 126	51	369	1588:23:31	100.00%
	63	US-1 SB at Mile Marker 113	48	281	894:14:19	94.26%
	65	US-1 SB at Mile Marker 106	45	279	893:34:45	93.79%
	67	US-1 SB at Mile Marker 91.5	45	287	950:36:01	99.87%
	69	US-1 SB at Mile Marker 39.5	35	247	857:34:43	98.78%
	70	US-1 SB at Mile Marker 7.5	25	215	826:17:49	99.18%
<b>US-1 South of Florida City Subtotal</b>			<b>408</b>	<b>2869</b>	<b>10707:39:02</b>	<b>95.53%</b>
<b>Arterials Subtotal</b>			<b>4938</b>	<b>20180</b>	<b>41985:47:54</b>	<b>98.22%</b>
<b>Limited Access Facilities Subtotal</b>			<b>5632</b>	<b>20215</b>	<b>39313:51:22</b>	<b>99.11%</b>
<b>Grand Total</b>			<b>10570</b>	<b>40395</b>	<b>81299:39:16</b>	<b>98.58%</b>

\*DMS 14, 15, 826NBNW58ST01, and 826SBNW58ST01 were undergoing testing for Capital Improvement and were 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, 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.

\*\*\*\*DMS 826SBNW103ST01 is under the SR-826/I-75 Express Lanes Contractor and is undergoing testing for Capital Improvement; thus, system availability is not measured for this device.



**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			375	111	181	108	46	40	34	56	48	78	181	395
Safety Messaging			648	349	442	175	118	112	26	295	472	71	292	619
District 6	Miami-Dade	I-95	2,600	526	443	13	285	537	2,151	1,199	0	677	187	
	Miami-Dade	Express Lanes	895	758	278	1	0	227	8	769	0	0	61	0
	Miami-Dade	I-195	145	1	0	0	103	57	130	0	0	239	22	0
	Miami-Dade	I-395	61	24	2	0	2	99	55	18	4	3	18	0
	Miami-Dade	MacArthur Causeway	86	30	0	0	2	29	22	0	0	6	24	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	233	151	2,396	1,202	0	0	203	508	4,707	0	113	0
	Miami-Dade	I-75	0	0	61	248	0	0	0		2	0	0	0
	Miami-Dade	US-1	3	0	0	0		0	1	0	14		46	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	422
	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	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	1,327	686	886	399	236	218	560	567	908	335	559	1,286
Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	146	
MDX	Miami-Dade	SR-836	382	48	268	0	23	291	176	0	262	15	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	159	63	0	0	61	29	89	9	0	54	11	0
	Miami-Dade	SR-874	0	0	20	0	0	0	0	0	115	0	14	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	8	0
	Miami-Dade	SR-924	0	0	13	23	0	0	0	0	0	0	0	0
District 4	Broward	I-95	243	263	146	0	0	0	296	509	0	0	0	0
	Broward	I-75	0	0	62	96	0	0	0			0	0	0
	Broward	I-595	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	2	1	1	0	0	0	0	4	0	0	1	1
	Miami-Dade	Floridas Turnpike Spur	0	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	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	44	22	0	0	0	0	33	0	0	0	11	0
Subtotal of On Route			2,600	758	2,396	248	103	99	2,151	1,199	4,707	239	46	422
Subtotal of Off Route			4,603	2,275	2,803	2,017	773	1,540	1,633	2,735	1,825	1,239	1,537	2,447
Total District 6			6,373	2,636	4,689	2,146	792	1,319	3,190	3,412	6,155	1,409	1,503	2,868
Other Agencies			830	397	510	119	84	320	594	522	377	69	80	1
Total			7,203	3,033	5,199	2,265	876	1,639	3,784	3,934	6,532	1,478	1,583	2,869

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

