

## DMS Usage Report – March 2018

### Summary of Monthly Operations

In the month of March, there were 33,016 messages posted with 9,305 DMS activations for 1,429 events. The DMS efficiency was 99.72% (1,425 of the 1,429 signable events had DMS messages posted) for all roadways. There was an average of 6.51 DMSs activated per each signable event and an average of 3.55 DMS messages were posted per each DMS activation. This resulted in an average of 23.10 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

- $\frac{9,305 \text{ DMS Activations}}{1,429 \text{ Events}} = \underline{6.51} \text{ Average DMS Activations per Event}$

*An average of 6.51 DMSs were activated per each signable event*

- $\frac{33,016 \text{ DMS Messages}}{9,305 \text{ DMS Activations}} = \underline{3.55} \text{ Average DMS Messages per Activation}$

*An average of 3.55 DMS messages were posted per each DMS activation*

- $6.51 \frac{\text{DMS Activations}}{\text{Events}} \times 3.55 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{23.10^*} \text{ DMS Messages per Event}$

*An average of 23.10\* 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	103
FDOT District 4	561
Florida's Turnpike Enterprise	52
Miami-Dade Expressway Authority	888
<b>Total</b>	<b>1604</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	11270
Other Districts' Incidents	1184
Construction	5429
Safety	13388
Vehicle Alert	1745
<b>Total</b>	<b>33016</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	105	333	552:49:27	51.44%
	113	Ives Dairy Rd WB before I-95	75	255	431:30:35	50.09%
	110	Miami Gardens Dr EB before I-95	202	676	1287:56:17	99.79%
	111	Miami Gardens Dr WB before I-95	209	692	1272:08:38	99.55%
	112*	NW 103 St EB before I-95	0	0	0:00:00	N/A*
	106	NW 79 St EB before I-95	188	568	1350:39:22	96.84%
	107	NW 54 St EB before I-95	158	473	1138:51:51	74.56%
	108	SW 8 St EB before I-95	106	402	873:42:12	98.15%
<b>I-95 Arterial Subtotal</b>			<b>1043</b>	<b>3399</b>	<b>6907:38:22</b>	<b>81.49%</b>
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	162	451	849:43:35	51.30%
	7	Turnpike SB to Golden Glades	164	479	966:55:11	51.40%
	9	US-441 NB at TRI-Rail	86	352	1041:49:00	99.47%
	10	SR 9 NB before Park & Ride	83	332	951:17:32	93.68%
	8	US-441 SB at NW 179 St	130	384	834:31:43	49.35%
<b>Golden Glades Interchange Subtotal</b>			<b>625</b>	<b>1998</b>	<b>4644:17:01</b>	<b>69.04%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	116	412	1756:59:08	99.86%
	SW24WB	SW 24 St WB before SR 826	116	412	1756:59:15	100.00%
	SW40EB	SW 40 St EB before SR 826	93	364	1732:33:01	99.88%
	SW40WB	SW 40 St WB before SR 826	94	365	1732:35:52	99.96%
	SW56EB	SW 56 St EB before SR 826	71	331	1599:35:32	99.45%
	SW56WB	SW 56 St WB before SR 826	71	335	1630:23:37	99.51%
	SW72EB	SW 72 St EB before SR 826	69	348	1605:34:09	99.93%
	SW72WB	SW 72 St WB before SR 826	68	346	1604:48:11	99.67%
	WFLAGLEREB**	W Flagler ST EB before SR 826	105	370	1538:55:40	86.00%
	WFLAGLERWB**	W Flagler ST WB before SR 826	60	191	776:50:37	34.29%
	NW25EB**	NW 25 ST EB before SR 826	145	456	1812:08:09	100.00%
	NW25WB**	NW 25 ST WB before SR 826	144	453	1811:37:44	99.88%
	NW36EB**	NW 36 ST EB before SR 826	153	478	1828:39:58	99.91%
	NW36WB**	NW 36 ST WB before SR 826	152	487	1940:14:46	99.85%
	SW8EB**	SW 8 ST EB before SR 826	120	431	1768:56:12	99.93%
	SW8WB**	SW 8 ST WB before SR 826	109	403	1842:13:22	87.11%
	SW88EB**	Kendall DR EB before SR 826	60	310	1421:14:33	91.06%
	SW88WB**	Kendall DR WB before SR 826	62	328	1587:03:41	99.88%
<b>SR 826 Arterial Subtotal</b>			<b>1808</b>	<b>6820</b>	<b>29747:23:27</b>	<b>94.23%</b>
I-195 Arterial	38	Alton Rd SB before I-195	81	369	1361:36:50	100.00%
	39	Arthur Godfrey WB before I-195	80	365	1334:56:43	98.65%
	40	Alton Rd NB before I-195	73	310	1228:24:47	93.50%
<b>I-195 Arterial Subtotal</b>			<b>234</b>	<b>1044</b>	<b>3924:58:20</b>	<b>97.38%</b>



**Table 3b – continued DMS Usage by Roadway (Arterials)**

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	233	703	1715:40:09	99.35%
	45	US-1 SB before SW 80 St	44	255	993:33:35	92.48%
	47	US-1 SB at Florida's Turnpike	33	250	1080:11:47	100.00%
	46	US-1 NB before Killian Dr	80	462	1523:47:14	100.00%
	48	US-1 NB at Florida's Turnpike	52	394	1870:02:25	99.38%
<b>US-1 in Miami-Dade County Subtotal</b>			<b>442</b>	<b>2064</b>	<b>7183:15:10</b>	<b>98.24%</b>
US-1 South of Florida City	62*	US-1 NB at Mile Marker 126	0	0	0:00:00	N/A*
	64*	US-1 NB at Mile Marker 106	0	0	0:00:00	N/A*
	66*	US-1 NB at Mile Marker 91.5	0	0	0:00:00	N/A*
	68*	US-1 NB at Mile Marker 39.5	0	0	0:00:00	N/A*
	71*	US-1 NB at Mile Marker 7.5	0	0	0:00:00	N/A*
	61*	US-1 SB at Mile Marker 126	0	0	0:00:00	N/A*
	63*	US-1 SB at Mile Marker 113	0	0	0:00:00	N/A*
	65*	US-1 SB at Mile Marker 106	0	0	0:00:00	N/A*
	67*	US-1 SB at Mile Marker 91.5	0	0	0:00:00	N/A*
	69*	US-1 SB at Mile Marker 39.5	0	0	0:00:00	N/A*
	70*	US-1 SB at Mile Marker 7.5	0	0	0:00:00	N/A*
<b>US-1 South of Florida City Subtotal</b>			<b>0</b>	<b>0</b>	<b>0:00:00</b>	<b>N/A*</b>
<b>Arterials Subtotal</b>			<b>4152</b>	<b>15325</b>	<b>52407:32:20</b>	<b>89.19%</b>
<b>Limited Access Facilities Subtotal</b>			<b>5153</b>	<b>17691</b>	<b>47471:26:55</b>	<b>91.37%</b>
<b>Grand Total</b>			<b>9305</b>	<b>33016</b>	<b>99878:59:15</b>	<b>90.29%</b>

\*DMS 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.

\*\*Twelve DMS along the SR 826 Section 5 project are operational and are still under warranty.

\*\*\*DMS 826SBNW103ST01 and 14 are under the SR-826/I-75 Express Lanes 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			392	140	255	60	57	52	96	56	336	111	190	0
Safety Messaging			2704	1344	1616	299	313	367	987	688	3544	519	1007	0
District 6	Miami-Dade	I-95	2112	395	351	3	246	350	1796	542	0	366	115	0
	Miami-Dade	Express Lanes	1169	1079	312	0	0	280	0	308	0	0	293	0
	Miami-Dade	I-195	186	0	0	0	75	49	93	0	0	10	4	0
	Miami-Dade	I-395	55	12	0	0	1	73	23	0	0	3	16	0
	Miami-Dade	MacArthur Causeway	83	18	2	0	0	25	13	0	8	0	17	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	148	114	1201	307	0	0	169	231	2767	0	52	0
	Miami-Dade	I-75	0	0	43	50	0	0	0	0	11	0	0	0
	Miami-Dade	US-1	44	0	4	0	0	14	11	0	81	0	351	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	0
	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	2	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	18	4	101	1	11	1	7	1	23	26	3	0
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	149	0	224	0	0	140	6	0	18	0	0	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	138	45	0	0	67	3	28	0	0	9	0	0
	Miami-Dade	SR-874	0	0	6	0	0	0	0	0	32	0	4	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-924	0	0	12	7	0	0	0	0	0	0	0	0
District 4	Broward	I-95	87	94	45	0	0	0	143	146	0	0	0	0
	Broward	Express Lanes	14	7	7	0	0	0	0	3	0	0	0	0
	Broward	I-75	0	0	11	4	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	Florida's Turnpike	2	12	7	0	0	0	0	15	0	0	0	0
	Miami-Dade	Florida's Turnpike Spur	0	0	0	0	0	0	0	0	0	0	0	0
	Broward	Florida's Turnpike	3	3	4	0	0	0	0	6	0	0	0	0
	Palm Beach	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Martin	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	St. Lucie	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Tunnel	Miami-Dade	Port Miami Tunnel	48	16	0	0	0	0	27	0	0	0	12	0
Subtotal of On Route			2112	1079	1201	50	75	73	1796	542	2767	10	351	0
Subtotal of Off Route			5240	2204	3000	681	695	1281	1603	1456	4053	1034	1713	0
Total District 6			6911	3106	3885	720	703	1211	3195	1828	6770	1035	2048	0
Other Agencies			441	177	316	11	67	143	204	170	50	9	16	0
Total			7352	3283	4201	731	770	1354	3399	1998	6820	1044	2064	0

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

