

## DMS Usage Report – December 2018

### Summary of Monthly Operations

In the month of December, there were 33,944 messages posted with 10,276 DMS activations for 1,418 events. The DMS efficiency was 99.72% (1,414 of the 1,418 signable events had DMS messages posted) for all roadways. There was an average of 7.25 DMSs activated per each signable event and an average of 3.30 DMS messages were posted per each DMS activation. This resulted in an average of 23.94 DMS messages being posted per each signable event.

### Summary of Average Monthly Operations

- $\frac{10,276 \text{ DMS Activations}}{1,418 \text{ Events}} = 7.25 \text{ Average DMS Activations per Event}$

*An average of 7.25 DMSs were activated per each signable event*

- $\frac{33,944 \text{ DMS Messages}}{10,276 \text{ DMS Activations}} = 3.30 \text{ Average DMS Messages per Activation}$

*An average of 3.30 DMS messages were posted per each DMS activation*

- $7.25 \frac{\text{DMS Activations}}{\text{Events}} \times 3.30 \frac{\text{DMS Messages}}{\text{DMS Activations}} = 23.94^* \text{ DMS Messages per Event}$

*An average of 23.94\* 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	265
FDOT District 4	723
Florida's Turnpike Enterprise	233
Miami-Dade Expressway Authority	907
<b>Total</b>	<b>2128</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	13518
Other Districts' Incidents	1434
Construction	5402
Safety	10033
Vehicle Alert	3557
<b>Total</b>	<b>33944</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	209	661	1878:34:22	100.00%
	22	I-95 NB south of NW 62 St	172	555	1223:55:39	99.67%
	75	I-95 NB before SR 112	285	810	1236:09:09	100.00%
	77	I-95 NB beyond SW 8 St	292	844	1491:57:32	100.00%
	2	I-95 SB north of Ives Dairy Rd	246	808	1403:45:47	100.00%
	3	I-95 SB north of Miami Gardens Dr	280	889	1456:15:26	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	93	294	859:30:06	96.64%
	20	I-95 SB south of NW 119 St	142	526	1300:37:29	100.00%
	21	I-95 SB south of NW 62 St	143	462	1165:40:52	100.00%
	74	I-95 SB beyond of SR 112	155	471	1157:07:32	100.00%
76	I-95 SB before Rickenbacker Cswy	45	217	882:22:59	100.00%	
<b>I-95 Mainline Subtotal</b>			<b>2062</b>	<b>6537</b>	<b>14055:56:53</b>	<b>99.66%</b>
I-95 Express	95X40	95X NB at NW 62nd St	167	474	1182:28:13	99.63%
	95X45	95X NB at NW 125th St	184	542	1213:49:36	99.44%
	95XSB45	95X SB at NW 62nd St	111	378	974:51:24	99.35%
	95XSB50	95X SB at NW 125th St	111	346	953:05:38	99.63%
	095SB014.6-EL	95X SB at Miami Gardens Dr	281	858	1476:29:19	99.51%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	78	277	883:28:12	99.77%
<b>I-95 Express Subtotal</b>			<b>932</b>	<b>2875</b>	<b>6684:12:22</b>	<b>99.56%</b>
SR 826	4	SR 826 EB east of NW 67 Ave	89	353	1091:13:45	100.00%
	5	SR 826 EB east of NW 37 Ave	304	919	1458:13:08	100.00%
	14***	SR 826 NB beyond NW 122 St	84	289	790:34:19	N/A***
	15	SR 826 WB beyond NW 17 Ave	66	290	1257:59:44	99.86%
	17	SR 826 WB beyond NW 47 Ave	96	351	1354:02:49	100.00%
	19	SR 826 WB beyond NW 67 Ave	76	276	951:10:33	79.59%
	826NB58***	SR 826 NB before NW 58 St	65	218	683:40:30	N/A***
	826SB103***	SR 826 SB before NW 103 St	74	276	1083:17:58	N/A***
	826SB58***	SR 826 SB before NW 58 St	68	245	949:07:28	N/A***
	826NB1.3-LL	SR 826 NB before SW 72 St	77	272	874:54:56	100.00%
	826NB4.8-LL	SR 826 NB at SW 24 St	175	408	1146:21:00	99.69%
	826SB8.8-LL***	SR 826 SB at NW 36 St	156	363	1135:25:54	N/A***
<b>SR 826 Subtotal</b>			<b>1330</b>	<b>4260</b>	<b>12776:02:04</b>	<b>97.02%</b>
I-75	43***	I-75 NB before Miami Gardens Dr	37	284	1618:45:36	N/A***
	44***	I-75 SB before Miami Gardens Dr	125	380	1204:10:37	N/A***
	42***	I-75 SB ramp from NW 138 St	86	249	800:29:22	N/A***
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	23	40	15:58:37	99.40%
<b>I-75 Subtotal</b>			<b>271</b>	<b>953</b>	<b>3639:24:12</b>	<b>99.40%</b>
I-195 Mainline	57	I-195 EB before North Miami Ave	42	204	837:46:54	98.67%
	105	I-195 WB before Alton Rd	184	633	1233:38:02	99.42%
<b>I-195 Mainline Subtotal</b>			<b>226</b>	<b>837</b>	<b>2071:24:56</b>	<b>99.05%</b>
I-395	886WB	Port Blvd WB before US-1	188	616	1423:00:11	100.00%
	104	I-395 WB at Watson Island	290	814	1485:28:56	99.28%
<b>I-395 Subtotal</b>			<b>478</b>	<b>1430</b>	<b>2908:29:07</b>	<b>99.64%</b>
<b>Limited Access Facilities Subtotal</b>			<b>5299</b>	<b>16892</b>	<b>42135:29:34</b>	<b>95.49%</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	134	468	752:19:16	76.07%
	113	Ives Dairy Rd WB before I-95	124	479	912:22:39	96.74%
	110	Miami Gardens Dr EB before I-95	202	662	1129:54:51	100.00%
	111	Miami Gardens Dr WB before I-95	207	695	1128:58:00	99.00%
	112	NW 103 St EB before I-95	192	557	985:44:24	75.42%
	106	NW 79 St EB before I-95	192	527	1118:08:38	88.63%
	107	NW 54 St EB before I-95	104	297	658:07:30	57.78%
	108	SW 8 St EB before I-95	79	321	770:39:56	87.05%
<b>I-95 Arterial Subtotal</b>			<b>1234</b>	<b>4006</b>	<b>7456:15:14</b>	<b>85.09%</b>
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	310	920	1476:07:25	98.93%
	7	Turnpike SB to Golden Glades	265	811	1238:08:32	99.84%
	9	US-441 NB at TRI-Rail	106	397	1117:26:36	99.55%
	10	SR 9 NB before Park & Ride	105	398	1115:49:15	99.96%
	8	US-441 SB at NW 179 St	246	803	1441:18:43	99.78%
<b>Golden Glades Interchange Subtotal</b>			<b>1032</b>	<b>3329</b>	<b>6388:50:31</b>	<b>99.61%</b>
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	117	338	977:08:51	100.00%
	SW24WB	SW 24 St WB before SR 826	117	338	977:08:52	100.00%
	SW40EB	SW 40 St EB before SR 826	110	333	982:58:47	100.00%
	SW40WB	SW 40 St WB before SR 826	109	332	982:56:09	100.00%
	SW56EB	SW 56 St EB before SR 826	95	314	967:40:07	100.00%
	SW56WB	SW 56 St WB before SR 826	95	314	967:40:11	100.00%
	SW72EB	SW 72 St EB before SR 826	88	301	962:39:13	100.00%
	SW72WB	SW 72 St WB before SR 826	78	265	815:15:54	83.71%
	WFLAGLEREB	W Flagler ST EB before SR 826	118	336	971:12:44	100.00%
	WFLAGLERWB	W Flagler ST WB before SR 826	119	337	971:14:56	100.00%
	NW25EB	NW 25 ST EB before SR 826	129	377	1149:04:46	100.00%
	NW25WB	NW 25 ST WB before SR 826	129	377	1149:04:47	100.00%
	NW36EB	NW 36 ST EB before SR 826	134	382	1152:11:32	100.00%
	NW36WB	NW 36 ST WB before SR 826	135	383	1152:35:33	99.43%
	SW8EB	SW 8 ST EB before SR 826	113	327	969:13:53	100.00%
	SW8WB	SW 8 ST WB before SR 826	112	326	969:01:24	100.00%
	SW88EB	Kendall DR EB before SR 826	78	287	955:46:09	99.96%
SW88WB	Kendall DR WB before SR 826	78	287	955:46:07	100.00%	
<b>SR 826 Arterial Subtotal</b>			<b>1954</b>	<b>5954</b>	<b>18028:39:55</b>	<b>99.06%</b>
I-195 Arterial	38	Alton Rd SB before I-195	80	484	1363:07:41	99.30%
	39	Arthur Godfrey WB before I-195	80	480	1362:49:16	99.29%
	40	Alton Rd NB before I-195	69	375	1230:49:56	93.48%
<b>I-195 Arterial Subtotal</b>			<b>229</b>	<b>1339</b>	<b>3956:46:53</b>	<b>97.36%</b>

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

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:min:ss)	Availability
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	189	530	1093:02:34	100.00%
	45	US-1 SB before SW 80 St	45	207	876:21:40	100.00%
	47	US-1 SB at Florida's Turnpike	35	189	875:37:01	100.00%
	46	US-1 NB before Killian Dr	57	264	927:55:26	100.00%
	48	US-1 NB at Florida's Turnpike	39	216	887:12:39	99.94%
<b>US-1 in Miami-Dade County Subtotal</b>			<b>365</b>	<b>1406</b>	<b>4660:09:20</b>	<b>99.99%</b>
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	35	185	853:49:57	99.57%
	64	US-1 NB at Mile Marker 106	4	15	99:44:18	1.68%
	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	39	290	1638:17:19	98.95%
	61	US-1 SB at Mile Marker 126	37	257	1617:26:36	100.00%
	63	US-1 SB at Mile Marker 113	12	56	230:07:03	31.23%
	65	US-1 SB at Mile Marker 106	6	19	77:07:21	19.65%
	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	30	196	867:38:03	100.00%	
<b>US-1 South of Florida City Subtotal</b>			<b>163</b>	<b>1018</b>	<b>5384:10:37</b>	<b>64.44%</b>
<b>Arterials Subtotal</b>			<b>4977</b>	<b>17052</b>	<b>45874:52:30</b>	<b>89.04%</b>
<b>Limited Access Facilities Subtotal</b>			<b>5299</b>	<b>16892</b>	<b>42135:29:34</b>	<b>98.93%</b>
<b>Grand Total</b>			<b>10276</b>	<b>33944</b>	<b>88010:22:04</b>	<b>94.26%</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.

\*\*\*DMS 826SBNW103ST01, 826SB8.8-LL, 826NBNW58ST, 826SBNW58ST, 14, 42, 43 and 44 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		538	256	551	128	98	88	164	243	877	147	245	222
Safety Messaging		1429	781	1338	401	241	262	880	653	2310	373	654	711
District 6	Miami-Dade I-95	2803	735	475	0	333	448	2505	1358	10	288	75	0
	Miami-Dade 95 Express	852	757	218	3	0	237	2	576	0	0	229	0
	Miami-Dade I-195	80	0	0	0	126	28	43	0	0	285	3	0
	Miami-Dade I-395	81	9	0	0	2	109	27	0	0	0	16	0
	Miami-Dade MacArthur Causeway	14	0	0	0	0	8	0	0	0	243	0	0
	Miami-Dade SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade SR-826	128	82	1109	258	3	0	144	223	2588	0	45	0
	Miami-Dade I-75	0	0	176	87	0	0	0	0	119	0	0	0
	Miami-Dade US-1	22	0	0	0	0	4	5	0	18	0	91	6
	Monroe US-1	0	0	0	0	0	0	0	0	0	0	1	67
	Monroe Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	1
	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	12	12	17	3	6	3	0	3	0	0	9	6
	Monroe OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade SR-836	239	0	220	0	0	241	1	0	0	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	52	26	0	0	26	0	1	0	0	0	0	0
	Miami-Dade SR-874	0	0	8	0	0	0	0	0	54	0	3	0
	Miami-Dade SR-878	0	0	0	0	0	0	0	0	0	0	4	0
	Miami-Dade SR-924	0	0	13	19	0	0	0	0	0	0	0	0
District 4	Broward I-95	83	86	40	0	0	0	166	171	0	0	0	0
	Broward 95 Express	56	35	27	0	0	0	0	27	0	0	0	0
	Broward I-75	0	0	21	11	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	39	32	26	0	0	0	14	65	0	0	6	1
	Miami-Dade Florida's Turnpike Spur	0	0	0	0	0	0	0	0	0	0	0	0
	Broward Florida's Turnpike	18	18	9	0	0	0	0	5	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	91	46	12	3	2	2	54	5	18	3	25	4
Subtotal of On Route		2803	757	1109	87	126	109	2505	1358	2588	285	91	67
Subtotal of Off Route		3734	2118	3151	826	711	1321	1501	1971	3406	1054	1315	951
Total District 6		5959	2632	3884	880	809	1187	3770	3056	5922	1336	1368	1013
Other Agencies		578	243	376	33	28	243	236	273	72	3	38	5
Total		6537	2875	4260	913	837	1430	4006	3329	5994	1339	1406	1018

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

