

DMS Usage Report – January 2019

Summary of Monthly Operations

In the month of January, there were 38,180 messages posted with 11,307 DMS activations for 1,521 events. The DMS efficiency was 99.80% (1,518 of the 1,521 signable events had DMS messages posted) for all roadways. There was an average of 7.43 DMSs activated per each signable event and an average of 3.38 DMS messages were posted per each DMS activation. This resulted in an average of 25.10 DMS messages being posted per each signable event.

Summary of Average Monthly Operations

- $\frac{11,307 \text{ DMS Activations}}{1,521 \text{ Events}} = 7.43 \text{ Average DMS Activations per Event}$

An average of 7.43 DMSs were activated per each signable event

- $\frac{38,180 \text{ DMS Messages}}{11,307 \text{ DMS Activations}} = 3.38 \text{ Average DMS Messages per Activation}$

An average of 3.38 DMS messages were posted per each DMS activation

- $7.43 \frac{\text{DMS Activations}}{\text{Events}} \times 3.38 \frac{\text{DMS Messages}}{\text{DMS Activations}} = 25.10^* \text{ DMS Messages per Event}$

An average of 25.10 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	86
FDOT District 4	619
Florida's Turnpike Enterprise	0
Miami-Dade Expressway Authority	1219
Total	1924

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	12229
Other Districts' Incidents	1334
Construction	9383
Safety	12076
Vehicle Alert	3158
Total	38180

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	169	491	1624:28:54	100.00%
	22	I-95 NB south of NW 62 St	145	434	1140:27:30	100.00%
	75	I-95 NB before SR 112	267	737	1595:14:30	100.00%
	77	I-95 NB beyond SW 8 St	301	851	1982:06:06	100.00%
	2	I-95 SB north of Ives Dairy Rd	231	686	1545:29:14	96.87%
	3	I-95 SB north of Miami Gardens Dr	273	825	1704:24:36	99.70%
	095NB013.5LL	I-95 NB north of NW 173 St	95	335	985:21:21	100.00%
	20	I-95 SB south of NW 119 St	151	563	1553:03:58	100.00%
	21	I-95 SB south of NW 62 St	147	480	1402:57:33	100.00%
	74	I-95 SB beyond of SR 112	150	399	1125:57:18	100.00%
	76	I-95 SB before Rickenbacker Cswy	52	244	836:26:37	87.46%
I-95 Mainline Subtotal			1981	6045	15495:57:37	98.55%
I-95 Express	95X40	95X NB at NW 62nd St	155	456	1227:20:29	99.63%
	95X45	95X NB at NW 125th St	181	505	1240:44:31	99.97%
	95XSB45	95X SB at NW 62nd St	127	413	1134:05:04	100.00%
	95XSB50	95X SB at NW 125th St	124	407	1140:05:08	99.63%
	095SB014.6-EL	95X SB at Miami Gardens Dr	297	864	1865:23:46	100.00%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	77	297	983:08:33	100.00%
I-95 Express Subtotal			961	2942	7590:47:31	99.87%
SR 826	4	SR 826 EB east of NW 67 Ave	81	286	781:46:42	99.91%
	5	SR 826 EB east of NW 37 Ave	297	846	1637:43:25	100.00%
	14***	SR 826 NB beyond NW 122 St	93	314	923:23:23	N/A***
	15	SR 826 WB beyond NW 17 Ave	83	273	1289:44:28	99.63%
	17	SR 826 WB beyond NW 47 Ave	98	313	1362:02:09	100.00%
	19	SR 826 WB beyond NW 67 Ave	121	371	1400:12:52	97.68%
	826NB58***	SR 826 NB before NW 58 St	52	130	220:42:06	N/A***
	826SB103***	SR 826 SB before NW 103 St	110	358	1383:15:34	N/A***
	826SB58***	SR 826 SB before NW 58 St	112	339	1121:23:30	N/A***
	826NB1.3-LL	SR 826 NB before SW 72 St	96	310	1167:55:05	100.00%
	826NB4.8-LL	SR 826 NB at SW 24 St	235	558	1634:14:07	99.61%
	826SB8.8-LL***	SR 826 SB at NW 36 St	194	464	1237:12:09	N/A***
SR 826 Subtotal			1572	4562	14159:35:30	99.55%
I-75	43***	I-75 NB before Miami Gardens Dr	46	351	1749:44:49	N/A***
	44***	I-75 SB before Miami Gardens Dr	137	403	1400:48:49	N/A***
	42***	I-75 SB ramp from NW 138 St	134	409	1407:55:41	N/A***
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	23	60	36:05:12	99.69%
I-75 Subtotal			340	1223	4594:34:31	99.69%
I-195 Mainline	57	I-195 EB before North Miami Ave	47	197	744:19:14	100.00%
	105	I-195 WB before Alton Rd	162	667	1814:47:58	99.35%
I-195 Mainline Subtotal			209	864	2559:07:12	99.68%
I-395	886WB	Port Blvd WB before US-1	213	646	1798:05:39	100.00%
	104	I-395 WB at Watson Island	290	814	1925:12:48	99.10%
I-395 Subtotal			503	1460	3723:18:27	99.55%
Limited Access Facilities Subtotal			5566	17096	48123:20:48	99.23%

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	178	599	1174:00:22	98.93%
	113	Ives Dairy Rd WB before I-95	116	333	628:09:10	88.49%
	110	Miami Gardens Dr EB before I-95	190	609	1098:12:44	88.37%
	111	Miami Gardens Dr WB before I-95	199	612	1107:54:49	88.26%
	112	NW 103 St EB before I-95	211	675	1506:47:13	95.15%
	106	NW 79 St EB before I-95	186	546	1258:50:07	96.82%
	107	NW 54 St EB before I-95	57	143	304:48:54	91.90%
	108	SW 8 St EB before I-95	111	413	895:45:34	97.85%
I-95 Arterial Subtotal			1248	3930	7974:28:53	93.22%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	320	925	1733:54:38	99.76%
	7	Turnpike SB to Golden Glades	286	864	1689:43:29	99.68%
	9	US-441 NB at TRI-Rail	107	355	970:59:53	94.61%
	10	SR 9 NB before Park & Ride	108	358	983:04:41	96.25%
	8	US-441 SB at NW 179 St	258	809	1734:10:16	99.95%
Golden Glades Interchange Subtotal			1079	3311	7111:52:57	98.05%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	170	524	1607:27:25	99.95%
	SW24WB	SW 24 St WB before SR 826	170	524	1607:27:24	100.00%
	SW40EB	SW 40 St EB before SR 826	141	476	1519:21:43	100.00%
	SW40WB	SW 40 St WB before SR 826	140	475	1521:59:03	100.00%
	SW56EB	SW 56 St EB before SR 826	117	437	1488:52:00	100.00%
	SW56WB	SW 56 St WB before SR 826	116	436	1444:10:03	99.87%
	SW72EB	SW 72 St EB before SR 826	109	415	1479:42:12	100.00%
	SW72WB	SW 72 St WB before SR 826	109	410	1477:38:11	99.87%
	WFLAGLEREB	W Flagler ST EB before SR 826	143	466	1426:26:36	100.00%
	WFLAGLERWB	W Flagler ST WB before SR 826	144	472	1426:34:03	100.00%
	NW25EB	NW 25 ST EB before SR 826	167	467	1416:31:08	100.00%
	NW25WB	NW 25 ST WB before SR 826	151	407	1236:32:08	87.21%
	NW36EB	NW 36 ST EB before SR 826	164	444	1300:34:25	87.20%
	NW36WB	NW 36 ST WB before SR 826	189	570	1714:39:45	98.58%
	SW8EB	SW 8 ST EB before SR 826	162	508	1500:04:17	100.00%
	SW8WB	SW 8 ST WB before SR 826	159	499	1498:22:22	100.00%
	SW88EB	Kendall DR EB before SR 826	86	373	1367:44:05	99.83%
	SW88WB	Kendall DR WB before SR 826	88	375	1413:13:19	100.00%
SR 826 Arterial Subtotal			2525	8278	26447:20:09	98.47%
I-195 Arterial	38	Alton Rd SB before I-195	84	859	2501:32:58	100.00%
	39	Arthur Godfrey WB before I-195	84	847	2446:53:26	99.36%
	40	Alton Rd NB before I-195	83	555	1902:06:00	99.82%
I-195 Arterial Subtotal			251	2261	6850:32:24	99.73%

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	190	672	1792:33:41	99.87%
	45	US-1 SB before SW 80 St	55	256	975:29:27	100.00%
	47	US-1 SB at Florida's Turnpike	35	213	864:39:22	96.16%
	46	US-1 NB before Killian Dr	76	312	1122:05:37	91.35%
	48	US-1 NB at Florida's Turnpike	48	260	1023:36:04	100.00%
US-1 in Miami-Dade County Subtotal			404	1713	5778:24:11	97.48%
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	31	219	950:17:21	99.66%
	64	US-1 NB at Mile Marker 106	30	205	871:21:45	94.37%
	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	43	305	1717:10:21	99.07%
	61	US-1 SB at Mile Marker 126	40	295	1712:18:33	100.00%
	63	US-1 SB at Mile Marker 113	37	222	884:48:12	93.97%
	65	US-1 SB at Mile Marker 106	21	128	427:54:03	47.59%
	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
US-1 South of Florida City Subtotal			5741	21084	61674:59:24	96.02%
Arterials Subtotal			5566	17096	48123:20:48	99.23%
Limited Access Facilities Subtotal			11307	38180	109798:20:12	97.41%
Grand Total			5741	21084	61674:59:24	96.02%

*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			453	251	474	124	84	77	139	210	753	126	203	264
Safety Messaging			1561	1051	1103	413	217	342	967	844	3048	483	828	1219
District 6	Miami-Dade	I-95	2329	557	397	0	220	463	2391	1187	83	267	191	0
	Miami-Dade	95 Express	870	808	214	0	0	285	0	604	0	0	240	0
	Miami-Dade	I-195	155	0	0	0	311	24	81	0	0	752	5	0
	Miami-Dade	I-395	27	1	0	0	0	50	12	0	0	0	9	0
	Miami-Dade	MacArthur Causeway	60	10	0	0	8	26	2	0	0	633	5	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	130	109	1785	474	5	0	137	287	4095	0	79	0
	Miami-Dade	I-75	0	0	111	138	0	0	0	0	42	0	0	0
	Miami-Dade	US-1	49	1	4	0	0	6	19	0	44	0	117	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	2	108
	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	0	0	0	0	0	0	0	0	3	0	0	0
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	196	0	367	0	0	187	22	0	124	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	50	26	0	0	19	0	3	0	0	0	0	0
	Miami-Dade	SR-874	0	0	21	0	0	0	0	0	116	0	17	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	7	0
	Miami-Dade	SR-924	0	0	20	14	0	0	0	0	30	0	0	0
District 4	Broward	I-95	83	86	45	0	0	0	141	158	0	0	0	0
	Broward	95 Express	42	22	21	0	0	0	0	21	0	0	0	0
	Broward	I-75	0	0	0	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	Florida's Turnpike	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	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	40	20	0	0	0	0	16	0	0	0	10	0
Subtotal of On Route			2329	808	1785	138	311	50	2391	1187	4095	752	117	108
Subtotal of Off Route			3716	2134	2777	1025	553	1410	1539	2124	4243	1509	1596	1483
Total District 6			5634	2788	4088	1149	845	1273	3748	3132	8068	2261	1679	1591
Other Agencies			411	154	474	14	19	187	182	179	270	0	34	0
Total			6045	2942	4562	1163	864	1460	3930	3311	8338	2261	1713	1591

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

