

DMS Usage Report – February 2018

Summary of Monthly Operations

In the month of February, there were 24,815 messages posted with 8,798 DMS activations for 1,327 events. The DMS efficiency was 99.85% (1,325 of the 1,327 signable events had DMS messages posted) for all roadways. There was an average of 6.63 DMSs activated per each signable event and an average of 2.82 DMS messages were posted per each DMS activation. This resulted in an average of 18.70 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

- $\frac{8,798 \text{ DMS Activations}}{1,327 \text{ Events}} = \underline{6.63} \text{ Average DMS Activations per Event}$

An average of 6.63 DMSs were activated per each signable event

- $\frac{24,815 \text{ DMS Messages}}{8,798 \text{ DMS Activations}} = \underline{2.82} \text{ Average DMS Messages per Activation}$

An average of 2.82 DMS messages were posted per each DMS activation

- $6.63 \frac{\text{DMS Activations}}{\text{Events}} \times 2.82 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{18.70^*} \text{ DMS Messages per Event}$

An average of 18.70 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	90
FDOT District 4	571
Florida's Turnpike Enterprise	51
Miami-Dade Expressway Authority	960
Total	1672

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	11930
Other Districts' Incidents	1122
Construction	5236
Safety	5277
Vehicle Alert	1250
Total	24815

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	156	459	1507:03:27	100.00%
	22	I-95 NB south of NW 62 St	132	449	939:26:41	99.96%
	75	I-95 NB before SR 112	310	769	1625:12:32	100.00%
	77	I-95 NB beyond SW 8 St	344	838	2067:46:52	99.93%
	2	I-95 SB north of Ives Dairy Rd	216	598	1525:14:02	100.00%
	3	I-95 SB north of Miami Gardens Dr	235	671	1612:16:05	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	75	252	814:49:14	97.03%
	20	I-95 SB south of NW 119 St	126	388	1198:08:22	100.00%
	21	I-95 SB south of NW 62 St	109	322	1160:30:42	99.90%
	74	I-95 SB beyond of SR 112	143	401	1448:55:49	99.96%
	76	I-95 SB before Rickenbacker Cswy	32	139	773:17:09	100.00%
I-95 Mainline Subtotal			1878	5286	14672:40:55	99.71%
I-95 Express	95X40	95X NB at NW 62nd St	184	443	1111:05:05	99.95%
	95X45	95X NB at NW 125th St	183	483	1117:08:18	99.94%
	95XSB45	95X SB at NW 62nd St	107	305	1120:16:26	99.94%
	95XSB50	95X SB at NW 125th St	90	272	1055:04:32	100.00%
	095SB014.6-EL	95X SB at Miami Gardens Dr	253	674	1690:27:06	99.73%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	52	218	851:43:27	99.88%
I-95 Express Subtotal			869	2395	6945:44:54	99.91%
SR 826	4	SR 826 EB east of NW 67 Ave	60	200	771:48:31	100.00%
	5	SR 826 EB east of NW 37 Ave	262	717	1607:17:58	100.00%
	14***	SR 826 NB beyond NW 122 St	66	259	1027:54:24	N/A***
	15*	SR 826 WB beyond NW 17 Ave	0	0	0:00:00	N/A*
	17	SR 826 WB beyond NW 47 Ave	103	293	1117:01:51	99.92%
	19	SR 826 WB beyond NW 67 Ave	0	0	0:00:00	0.00%
	826NB58	SR 826 NB before NW 58 St	68	162	394:11:11	81.14%
	826SB103***	SR 826 SB before NW 103 St	61	123	171:07:57	N/A***
	826SB58	SR 826 SB before NW 58 St	36	104	509:58:52	72.32%
	826NB1.3-LL	SR 826 NB before SW 72 St	78	216	1374:01:38	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	179	386	1711:20:03	99.96%
	826SB8.8-LL**	SR 826 SB at NW 36 St	133	294	1013:36:49	100.00%
SR 826 Subtotal			1046	2754	9698:19:14	83.70%
I-75	43	I-75 NB before Miami Gardens Dr	0	0	0:00:00	0.00%
	44	I-75 SB before Miami Gardens Dr	0	0	0:00:00	0.00%
	42	I-75 SB ramp from NW 138 St	0	0	0:00:00	0.00%
I-75 Subtotal			0	0	0:00:00	0.00%
I-195 Mainline	57	I-195 EB before North Miami Ave	37	135	781:16:35	100.00%
	105	I-195 WB before Alton Rd	160	376	379:10:20	100.00%
I-195 Mainline Subtotal			197	511	1160:26:55	100.00%
I-395	886WB	Port Blvd WB before US-1	195	518	1558:31:47	99.88%
	104	I-395 WB at Watson Island	318	746	1714:21:02	96.38%
I-395 Subtotal			513	1264	3272:52:49	98.13%
Limited Access Facilities Subtotal			4503	12210	35750:04:47	86.24%

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	148	442	902:32:24	99.72%
	113	Ives Dairy Rd WB before I-95	117	358	772:16:34	97.77%
	110	Miami Gardens Dr EB before I-95	186	519	981:24:58	100.00%
	111	Miami Gardens Dr WB before I-95	186	522	980:43:17	99.90%
	112*	NW 103 St EB before I-95	0	0	0:00:00	N/A*
	106	NW 79 St EB before I-95	185	533	1152:45:10	98.74%
	107	NW 54 St EB before I-95	189	523	1154:42:34	98.33%
	108	SW 8 St EB before I-95	100	319	796:40:18	98.80%
I-95 Arterial Subtotal			1111	3216	6741:05:15	99.04%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	262	723	1500:38:29	78.61%
	7	Turnpike SB to Golden Glades	245	747	1620:16:25	99.91%
	9	US-441 NB at TRI-Rail	74	274	739:29:03	100.00%
	10	SR 9 NB before Park & Ride	74	274	739:29:07	99.66%
	8	US-441 SB at NW 179 St	193	587	1538:58:18	100.00%
Golden Glades Interchange Subtotal			848	2605	6138:51:22	95.64%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	113	292	1463:24:22	100.00%
	SW24WB	SW 24 St WB before SR 826	113	294	1463:24:29	99.91%
	SW40EB	SW 40 St EB before SR 826	101	278	1404:50:10	100.00%
	SW40WB	SW 40 St WB before SR 826	99	266	1402:11:18	100.00%
	SW56EB	SW 56 St EB before SR 826	87	236	1382:00:15	99.92%
	SW56WB	SW 56 St WB before SR 826	87	236	1382:00:16	99.96%
	SW72EB	SW 72 St EB before SR 826	83	230	1374:22:14	100.00%
	SW72WB	SW 72 St WB before SR 826	83	230	1374:22:15	94.15%
	WFLAGLEREB**	W Flagler ST EB before SR 826	121	311	1468:57:29	99.96%
	WFLAGLERWB**	W Flagler ST WB before SR 826	0	0	0:00:00	0.00%
	NW25EB**	NW 25 ST EB before SR 826	125	341	1478:46:08	100.00%
	NW25WB**	NW 25 ST WB before SR 826	2	25	242:04:48	33.77%
	NW36EB**	NW 36 ST EB before SR 826	126	369	1487:37:44	100.00%
	NW36WB**	NW 36 ST WB before SR 826	126	356	1392:08:15	100.00%
	SW8EB**	SW 8 ST EB before SR 826	115	299	1470:10:44	99.94%
	SW8WB**	SW 8 ST WB before SR 826	115	299	1470:10:43	99.96%
	SW88EB**	Kendall DR EB before SR 826	72	200	1251:21:56	99.65%
	SW88WB**	Kendall DR WB before SR 826	74	204	1305:10:34	99.87%
SR 826 Arterial Subtotal			1642	4466	22813:03:40	90.39%
I-195 Arterial	38	Alton Rd SB before I-195	100	329	924:29:22	100.00%
	39	Arthur Godfrey WB before I-195	96	319	921:11:15	99.80%
	40	Alton Rd NB before I-195	99	325	924:05:39	100.00%
I-195 Arterial Subtotal			295	973	2769:46:16	99.93%

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	240	544	1524:31:54	100.00%
	45	US-1 SB before SW 80 St	46	158	768:55:40	100.00%
	47	US-1 SB at Florida's Turnpike	21	105	753:21:29	100.00%
	46	US-1 NB before Killian Dr	49	340	1450:44:39	100.00%
	48	US-1 NB at Florida's Turnpike	43	198	842:00:55	100.00%
US-1 in Miami-Dade County Subtotal			399	1345	5339:34:37	100.00%
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*
US-1 South of Florida City Subtotal			0	0	0:00:00	N/A*
Arterials Subtotal			4295	12605	43802:21:10	98.76%
Limited Access Facilities Subtotal			4503	12210	35750:04:47	86.24%
Grand Total			8798	24815	79552:25:57	90.76%

*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			302	106	188	0	41	41	87	77	191	72	145	0
Safety Messaging			1168	678	588	0	74	113	490	426	1173	207	360	0
District 6	Miami-Dade	I-95	2168	511	310	0	285	482	2160	1059	0	507	157	0
	Miami-Dade	Express Lanes	899	821	181	0	0	285	0	489	0	0	265	0
	Miami-Dade	I-195	88	0	0	0	85	24	58	0	0	172	1	0
	Miami-Dade	I-395	25	6	0	0	2	71	14	0	0	0	7	0
	Miami-Dade	MacArthur Causeway	12	1	0	0	1	5	0	0	0	0	1	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	159	123	1066	0	0	0	230	336	2939	0	42	0
	Miami-Dade	I-75	0	0	62	0	0	0	0	0	23	0	0	0
	Miami-Dade	US-1	2	0	17	0	0	0	0	0	38	0	329	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	2	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	28	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	15	0	8	3	0	3	0	6	9	0
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	266	0	214	0	0	240	4	0	13	0	1	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	30	15	0	0	15	0	2	0	0	9	0	0
	Miami-Dade	SR-874	0	0	16	0	0	0	0	0	89	0	13	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	4	0
	Miami-Dade	SR-924	0	0	29	0	0	0	0	0	0	0	0	0
District 4	Broward	I-95	63	70	37	0	0	0	141	139	0	0	0	0
	Broward	Express Lanes	46	25	25	0	0	0	0	25	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	4	3	0	0	0	0	3	11	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	6	6	6	0	0	0	0	12	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	36	18	0	0	0	0	27	0	0	0	9	0
Subtotal of On Route			2168	821	1066	0	85	71	2160	1059	2939	172	329	0
Subtotal of Off Route			3118	1574	1688	0	426	1193	1056	1546	1527	801	1016	0
Total District 6			4835	2258	2427	0	496	1024	3039	2418	4364	964	1318	0
Other Agencies			451	137	327	0	15	240	177	187	102	9	27	0
Total			5286	2395	2754	0	511	1264	3216	2605	4466	973	1345	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

