

DMS Usage Report – April 2019

Summary of Monthly Operations

In the month of April, there were 36,784 messages posted with 10,203 DMS activations for 1,452 events. The DMS efficiency was 100.00% (1,452 of the 1,452 signable events had DMS messages posted) for all roadways. There was an average of 7.03 DMSs activated per each signable event and an average of 3.61 DMS messages were posted per each DMS activation. This resulted in an average of 25.33 DMS messages being posted per each signable event.

Summary of Average Monthly Operations

- $\frac{10,203 \text{ DMS Activations}}{1,452 \text{ Events}} = 7.03 \text{ Average DMS Activations per Event}$

An average of 7.03 DMSs were activated per each signable event

- $\frac{36,784 \text{ DMS Messages}}{10,203 \text{ DMS Activations}} = 3.61 \text{ Average DMS Messages per Activation}$

An average of 3.61 DMS messages were posted per each DMS activation

- $7.03 \frac{\text{DMS Activations}}{\text{Events}} \times 3.61 \frac{\text{DMS Messages}}{\text{DMS Activations}} = 25.33^* \text{ DMS Messages per Event}$

An average of 25.33 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	82
FDOT District 4	646
Florida's Turnpike Enterprise	32
Miami-Dade Expressway Authority	740
Total	1500

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	10520
Other Districts' Incidents	1139
Construction	7743
Safety	14996
Vehicle Alert	2386
Total	36784

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	159	555	2021:36:57	100.00%
	22	I-95 NB south of NW 62 St	126	449	1355:52:25	100.00%
	75	I-95 NB before SR 112	284	793	1919:11:34	99.96%
	77	I-95 NB beyond SW 8 St	367	1161	2951:47:34	99.40%
	2	I-95 SB north of Ives Dairy Rd	184	644	1768:26:05	100.00%
	3	I-95 SB north of Miami Gardens Dr	241	784	1881:32:56	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	48	179	681:55:04	63.52%
	20	I-95 SB south of NW 119 St	151	519	1677:11:22	100.00%
	21	I-95 SB south of NW 62 St	182	531	1803:41:15	100.00%
	74	I-95 SB beyond of SR 112	169	704	2364:44:53	99.92%
	76	I-95 SB before Rickenbacker Cswy	31	183	908:15:19	71.47%
I-95 Mainline Subtotal			1942	6502	19334:15:24	94.02%
I-95 Express	95X40	95X NB at NW 62nd St	158	493	1292:16:25	100.00%
	95X45	95X NB at NW 125th St	176	558	1366:28:17	100.00%
	95XSB45	95X SB at NW 62nd St	137	481	1466:32:44	100.00%
	95XSB50	95X SB at NW 125th St	117	439	1417:41:48	100.00%
	095SB014.6-EL	95X SB at Miami Gardens Dr	264	796	2078:31:40	100.00%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	66	314	1206:13:46	100.00%
I-95 Express Subtotal			918	3081	8827:44:40	100.00%
SR 826	4	SR 826 EB east of NW 67 Ave	83	359	1185:17:39	100.00%
	5	SR 826 EB east of NW 37 Ave	263	805	1867:05:09	99.23%
	14**	SR 826 NB beyond NW 122 St	76	344	1198:00:14	N/A**
	15	SR 826 WB beyond NW 17 Ave	78	302	1212:59:43	85.97%
	17	SR 826 WB beyond NW 47 Ave	99	358	1535:30:33	99.39%
	19	SR 826 WB beyond NW 67 Ave	107	383	1617:14:20	100.00%
	826NB58**	SR 826 NB before NW 58 St	87	320	1411:29:03	N/A**
	826SB103**	SR 826 SB before NW 103 St	89	346	1498:17:31	N/A**
	826SB58**	SR 826 SB before NW 58 St	88	345	1436:15:10	N/A**
	826NB1.3-LL	SR 826 NB before SW 72 St	82	336	1406:03:18	98.17%
	826NB4.8-LL	SR 826 NB at SW 24 St	172	449	1430:57:50	88.83%
	826SB8.8-LL**	SR 826 SB at NW 36 St	163	454	1470:43:54	N/A**
SR 826 Subtotal			1387	4801	17269:54:24	95.94%
I-75	43**	I-75 NB before Miami Gardens Dr	27	277	1860:06:51	N/A**
	44**	I-75 SB before Miami Gardens Dr	139	462	1634:28:28	N/A**
	42**	I-75 SB ramp from NW 138 St	131	459	1536:16:55	N/A**
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	91	349	1427:28:22	99.46%
I-75 Subtotal			388	1547	6458:20:36	99.46%
I-195 Mainline	57	I-195 EB before North Miami Ave	54	255	1182:01:10	100.00%
	105	I-195 WB before Alton Rd	172	738	2061:28:16	100.00%
I-195 Mainline Subtotal			226	993	3243:29:26	100.00%
I-395	886WB	Port Blvd WB before US-1	232	881	2479:25:21	100.00%
	104	I-395 WB at Watson Island	327	854	1779:30:43	99.28%
I-395 Subtotal			559	1735	4258:56:04	99.64%
Limited Access Facilities Subtotal			5420	18659	59392:40:34	96.61%

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	89	332	659:10:07	61.63%
	113	Ives Dairy Rd WB before I-95	84	314	763:50:55	83.63%
	110	Miami Gardens Dr EB before I-95	164	589	1400:12:04	100.00%
	111	Miami Gardens Dr WB before I-95	180	624	1405:59:42	100.00%
	112	NW 103 St EB before I-95	191	560	1458:17:42	90.27%
	106	NW 79 St EB before I-95	205	581	1539:08:32	97.94%
	107	NW 54 St EB before I-95	207	510	1383:13:57	97.03%
	108	SW 8 St EB before I-95	28	65	166:34:30	14.00%
I-95 Arterial Subtotal			1148	3575	8776:27:29	80.56%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	261	819	1863:43:13	96.29%
	7	Turnpike SB to Golden Glades	245	774	1848:06:07	98.03%
	9	US-441 NB at TRI-Rail	95	403	1230:24:16	98.24%
	10	SR 9 NB before Park & Ride	81	338	1044:32:27	98.24%
	8	US-441 SB at NW 179 St	215	732	1936:48:38	98.24%
Golden Glades Interchange Subtotal			897	3066	7923:34:41	97.81%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	115	389	1540:58:08	100.00%
	SW24WB	SW 24 St WB before SR 826	114	386	1538:59:31	100.00%
	SW40EB	SW 40 St EB before SR 826	95	362	1493:21:28	100.00%
	SW40WB	SW 40 St WB before SR 826	96	367	1495:08:01	100.00%
	SW56EB	SW 56 St EB before SR 826	84	342	1453:56:37	100.00%
	SW56WB	SW 56 St WB before SR 826	84	342	1453:56:34	100.00%
	SW72EB	SW 72 St EB before SR 826	81	337	1447:32:26	100.00%
	SW72WB	SW 72 St WB before SR 826	81	337	1447:32:23	99.79%
	WFLAGLEREB	W Flagler ST EB before SR 826	98	318	1221:50:47	88.93%
	WFLAGLERWB	W Flagler ST WB before SR 826	99	319	1222:29:40	88.93%
	NW25EB	NW 25 ST EB before SR 826	129	397	1520:12:52	100.00%
	NW25WB	NW 25 ST WB before SR 826	128	394	1518:14:20	100.00%
	NW36EB	NW 36 ST EB before SR 826	133	405	1558:47:30	100.00%
	NW36WB	NW 36 ST WB before SR 826	132	406	1577:56:03	100.00%
	SW8EB	SW 8 ST EB before SR 826	118	398	1533:59:59	100.00%
	SW8WB	SW 8 ST WB before SR 826	100	331	1269:39:04	88.27%
	SW88EB	Kendall DR EB before SR 826	77	331	1436:35:36	99.71%
	SW88WB	Kendall DR WB before SR 826	75	329	1435:59:14	100.00%
SR 826 Arterial Subtotal			1839	6490	26167:10:13	98.09%
I-195 Arterial	38	Alton Rd SB before I-195	102	596	1986:44:19	100.00%
	39	Arthur Godfrey WB before I-195	99	587	1983:20:58	99.55%
	40	Alton Rd NB before I-195	99	585	1982:58:55	99.96%
I-195 Arterial Subtotal			300	1768	5953:04:12	99.84%

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	253	714	2032:33:56	100.00%
	45	US-1 SB before SW 80 St	40	251	1182:21:05	99.81%
	47	US-1 SB at Florida's Turnpike	28	234	1168:11:49	100.00%
	46	US-1 NB before Killian Dr	71	335	1369:14:18	100.00%
	48	US-1 NB at Florida's Turnpike	35	245	1173:08:07	99.95%
US-1 in Miami-Dade County Subtotal			427	1779	6925:29:15	99.95%
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	27	218	1098:55:33	94.75%
	64	US-1 NB at Mile Marker 106	16	119	688:27:42	49.22%
	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	34	289	1881:03:31	99.70%
	61	US-1 SB at Mile Marker 126	30	277	1883:55:10	100.00%
	63	US-1 SB at Mile Marker 113	24	202	998:10:05	90.91%
	65	US-1 SB at Mile Marker 106	16	118	686:25:50	49.22%
	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	25	224	1146:53:40	99.75%
US-1 South of Florida City Subtotal			172	1447	8383:51:31	83.36%
Arterials Subtotal			4783	18125	64129:37:21	92.12%
Limited Access Facilities Subtotal			5420	18659	59392:40:34	96.61%
Grand Total			10203	36784	123522:17:55	94.42%

*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			320	192	380	101	64	63	115	144	552	96	166	193
Safety Messaging			1974	1158	2190	626	378	388	1063	926	3543	570	962	1218
District 6	Miami-Dade	I-95	2201	421	244	0	236	513	2049	854	12	311	225	0
	Miami-Dade	95 Express	891	1024	248	0	0	244	4	657	0	0	233	0
	Miami-Dade	I-195	97	2	0	0	299	26	47	0	0	791	1	0
	Miami-Dade	I-395	44	5	0	0	0	84	5	0	0	0	8	0
	Miami-Dade	MacArthur Causeway	513	12	0	0	0	253	3	0	0	0	19	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	121	104	1337	422	0	2	104	277	2622	0	74	0
	Miami-Dade	I-75	0	0	17	32	0	0	0	0	39	0	0	0
	Miami-Dade	US-1	17	0	0	0	0	5	0	0	0	0	62	1
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	5	28
	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	6	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	8	8	12	2	4	2	0	2	0	0	6	6
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	152	0	272	0	0	154	1	0	8	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	29	14	0	0	12	1	1	0	0	0	0	0
	Miami-Dade	SR-874	0	0	8	0	0	0	0	0	63	0	6	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	3	0
	Miami-Dade	SR-924	0	0	8	8	0	0	0	0	0	0	0	0
District 4	Broward	I-95	70	97	51	0	0	0	164	176	0	0	0	0
	Broward	95 Express	17	18	16	0	0	0	0	16	0	0	0	0
	Broward	I-75	0	0	14	7	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	12	8	4	0	0	0	0	8	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	19	0	0	0	9	0
Subtotal of On Route			2201	1024	1337	32	299	84	2049	854	2622	791	62	28
Subtotal of Off Route			4301	2057	3464	1166	694	1651	1526	2212	4217	977	1717	1419
Total District 6			6186	2926	4428	1183	981	1580	3390	2866	6768	1768	1761	1447
Other Agencies			316	155	373	15	12	155	185	200	71	0	18	0
Total			6502	3081	4801	1198	993	1735	3575	3066	6839	1768	1779	1447

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

