

DMS Usage Report – June 2019

Summary of Monthly Operations

In the month of June, there were 37,202 messages posted with 10,973 DMS activations for 1,553 events. The DMS efficiency was 100.00% (1,553 of the 1,553 signable events had DMS messages posted) for all roadways. There was an average of 7.07 DMSs activated per each signable event and an average of 3.39 DMS messages were posted per each DMS activation. This resulted in an average of 23.95 DMS messages being posted per each signable event.

Summary of Average Monthly Operations

- $$\frac{10,973 \text{ DMS Activations}}{1,553 \text{ Events}} = 7.07 \text{ Average DMS Activations per Event}$$

An average of 7.07 DMSs were activated per each signable event

- $$\frac{37,202 \text{ DMS Messages}}{10,973 \text{ DMS Activations}} = 3.39 \text{ Average DMS Messages per Activation}$$

An average of 3.39 DMS messages were posted per each DMS activation

- $$7.07 \frac{\text{DMS Activations}}{\text{Events}} \times 3.39 \frac{\text{DMS Messages}}{\text{DMS Activations}} = 23.95^* \text{ DMS Messages per Event}$$

An average of 23.95 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	104
FDOT District 4	609
Florida's Turnpike Enterprise	57
Miami-Dade Expressway Authority	1094
Total	1864

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	12773
Other Districts' Incidents	1224
Construction	9023
Safety	11419
Vehicle Alert	2763
Total	37202

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	175	568	1723:54:50	100.00%
	22	I-95 NB south of NW 62 St	140	434	1117:11:42	100.00%
	75	I-95 NB before SR 112	308	1004	2348:20:49	100.00%
	77	I-95 NB beyond SW 8 St	424	1402	3176:04:05	100.00%
	2	I-95 SB north of Ives Dairy Rd	205	580	1570:14:36	100.00%
	3	I-95 SB north of Miami Gardens Dr	281	840	1711:39:29	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	83	301	969:28:02	100.00%
	20	I-95 SB south of NW 119 St	166	615	1688:53:16	100.00%
	21	I-95 SB south of NW 62 St	161	694	2308:26:28	100.00%
	74	I-95 SB beyond of SR 112	174	774	2549:14:33	100.00%
	76	I-95 SB before Rickenbacker Cswy	35	223	954:52:12	100.00%
I-95 Mainline Subtotal			2152	7435	20118:20:02	100.00%
I-95 Express	95X40	95X NB at NW 62nd St	160	425	963:47:34	97.13%
	95X45	95X NB at NW 125th St	189	539	1078:18:26	99.91%
	95XSB45	95X SB at NW 62nd St	121	371	1174:29:12	97.13%
	95XSB50	95X SB at NW 125th St	138	438	1215:17:38	97.13%
	095SB014.6-EL	95X SB at Miami Gardens Dr	308	847	1856:34:23	100.00%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	73	295	974:13:02	100.00%
I-95 Express Subtotal			989	2915	7262:40:15	98.55%
SR 826	4	SR 826 EB east of NW 67 Ave	75	269	975:49:28	99.16%
	5	SR 826 EB east of NW 37 Ave	298	817	1706:36:09	99.40%
	826NB0014.38**	SR 826 NB beyond NW 122 St	52	151	442:30:50	N/A**
	15	SR 826 WB beyond NW 17 Ave	87	372	1447:18:31	96.48%
	17	SR 826 WB beyond NW 47 Ave	109	377	1545:09:01	100.00%
	19	SR 826 WB beyond NW 67 Ave	122	398	1381:27:46	93.13%
	826NB010.36**	SR 826 NB before NW 58 St	16	28	44:12:08	N/A**
	826SB013.74**	SR 826 SB before NW 103 St	88	188	618:21:42	N/A**
	826SB010.99**	SR 826 SB before NW 58 St	57	144	559:20:40	N/A**
	826NB1.3-LL	SR 826 NB before SW 72 St	92	309	1035:11:44	100.00%
	826NB4.8-LL	SR 826 NB at SW 24 St	145	372	976:33:38	100.00%
	826SB8.8-LL**	SR 826 SB at NW 36 St	35	94	217:55:16	N/A**
SR 826 Subtotal			1176	3519	10950:26:53	98.31%
I-75	43**	I-75 NB before Miami Gardens Dr	32	259	1611:46:35	N/A**
	075SB002.70**	I-75 SB before Miami Gardens Dr	111	243	608:39:30	N/A**
	075SB001.29**	I-75 SB ramp from NW 138 St	131	272	705:31:17	N/A**
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	73	308	1294:59:19	100.00%
I-75 Subtotal			347	1082	4220:56:41	100.00%
I-195 Mainline	57	I-195 EB before North Miami Ave	41	348	1586:48:45	98.54%
	105	I-195 WB before Alton Rd	169	757	1922:07:36	100.00%
I-195 Mainline Subtotal			210	1105	3508:56:21	99.27%
I-395	886WB	Port Blvd WB before US-1	275	1074	2759:57:14	100.00%
	104	I-395 WB at Watson Island	382	989	1677:50:38	98.44%
I-395 Subtotal			657	2063	4437:47:52	99.22%
Limited Access Facilities Subtotal			5531	18119	50499:08:04	99.16%

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	155	498	1107:13:44	98.30%
	113	Ives Dairy Rd WB before I-95	94	293	722:06:46	90.65%
	110	Miami Gardens Dr EB before I-95	190	627	1249:29:50	100.00%
	111	Miami Gardens Dr WB before I-95	205	678	1242:16:55	99.63%
	112	NW 103 St EB before I-95	230	757	1526:03:58	95.50%
	106	NW 79 St EB before I-95	205	642	1337:28:23	97.52%
	107	NW 54 St EB before I-95	188	575	1265:11:46	94.27%
	108	SW 8 St EB before I-95	0	0	0:00:00	0.00%
I-95 Arterial Subtotal			1267	4070	8449:51:22	84.48%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	305	916	1638:27:11	94.69%
	7	Turnpike SB to Golden Glades	271	813	1530:54:14	92.43%
	9	US-441 NB at TRI-Rail	110	416	1004:43:13	93.20%
	10	SR 9 NB before Park & Ride	102	404	1002:28:42	93.20%
	8	US-441 SB at NW 179 St	240	747	1536:50:13	93.20%
Golden Glades Interchange Subtotal			1028	3296	6713:23:33	93.34%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	137	404	1327:38:23	100.00%
	SW24WB	SW 24 St WB before SR 826	137	404	1327:37:56	100.00%
	SW40EB	SW 40 St EB before SR 826	148	445	1374:15:15	100.00%
	SW40WB	SW 40 St WB before SR 826	141	424	1372:57:05	100.00%
	SW56EB	SW 56 St EB before SR 826	112	384	1275:58:54	100.00%
	SW56WB	SW 56 St WB before SR 826	114	395	1299:46:30	100.00%
	SW72EB	SW 72 St EB before SR 826	101	380	1272:42:26	100.00%
	SW72WB	SW 72 St WB before SR 826	102	381	1279:37:47	100.00%
	WFLAGLEREB	W Flagler ST EB before SR 826	89	279	811:32:51	100.00%
	WFLAGLERWB	W Flagler ST WB before SR 826	89	279	811:32:52	100.00%
	NW25EB	NW 25 ST EB before SR 826	147	426	1370:01:32	100.00%
	NW25WB	NW 25 ST WB before SR 826	147	422	1370:00:52	100.00%
	NW36EB	NW 36 ST EB before SR 826	155	446	1390:03:30	100.00%
	NW36WB	NW 36 ST WB before SR 826	156	449	1363:34:30	100.00%
	SW8EB	SW 8 ST EB before SR 826	132	386	1319:01:17	100.00%
	SW8WB	SW 8 ST WB before SR 826	112	321	1020:15:26	100.00%
	SW88EB	Kendall DR EB before SR 826	87	320	1109:19:42	100.00%
	SW88WB	Kendall DR WB before SR 826	87	319	1107:04:51	100.00%
SR 826 Arterial Subtotal			2193	6864	22203:01:39	100.00%
I-195 Arterial	38	Alton Rd SB before I-195	101	657	2531:21:29	99.84%
	39	Arthur Godfrey WB before I-195	94	603	2339:00:35	92.44%
	40	Alton Rd NB before I-195	98	595	1794:34:27	97.36%
I-195 Arterial Subtotal			293	1855	6664:56:31	96.55%

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	296	831	1818:50:28	100.00%
	45	US-1 SB before SW 80 St	53	258	991:23:36	98.52%
	47	US-1 SB at Florida's Turnpike	30	199	863:31:31	92.06%
	46	US-1 NB before Killian Dr	83	331	1185:15:58	98.52%
	48	US-1 NB at Florida's Turnpike	31	200	859:48:39	92.06%
US-1 in Miami-Dade County Subtotal			493	1819	5718:50:12	96.23%
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	30	205	933:53:49	98.71%
	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	40	289	1692:02:22	99.71%
	61	US-1 SB at Mile Marker 126	38	294	1653:11:27	98.71%
	63	US-1 SB at Mile Marker 113	33	188	748:53:29	82.95%
	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
US-1 South of Florida City Subtotal			168	1179	5970:12:05	95.98%
Arterials Subtotal			5442	19083	55720:15:22	93.92%
Limited Access Facilities Subtotal			5531	18119	50499:08:04	99.16%
Grand Total			10973	37202	106219:23:26	96.80%

*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 826SB013.74, 826SB8.8-LL, 826NB010.36, 826SB010.99, 826NB0014.38, 075SB002.70, 43 and 075SB001.29 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			430	216	368	106	78	74	148	190	668	115	189	181
Safety Messaging			1734	965	1084	227	291	327	920	773	2971	435	796	896
District 6	Miami-Dade	I-95	2741	567	330	1	269	686	2561	1039	19	389	354	0
	Miami-Dade	95 Express	866	848	233	0	0	254	0	623	0	0	241	0
	Miami-Dade	I-195	364	0	0	0	451	37	67	9	0	796	8	0
	Miami-Dade	I-395	11	1	0	0	0	93	1	0	0	0	1	0
	Miami-Dade	MacArthur Causeway	621	7	4	1	4	306	1	1	0	0	7	3
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	176	159	1137	322	0	0	189	477	3310	0	121	0
	Miami-Dade	I-75	0	0	18	52	0	0	0	0	36	0	0	0
	Miami-Dade	US-1	18	1	0	0	0	3	1	0	0	0	56	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	93
	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	5	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	9	2	4	2	0	2	0	120	6	6
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	284	0	201	0	0	280	0	0	4	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	16	8	0	0	8	0	1	0	0	0	0	0
	Miami-Dade	SR-874	0	0	4	0	0	0	0	0	150	0	21	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	8	0
	Miami-Dade	SR-924	0	1	42	52	0	0	0	0	14	0	0	0
District 4	Broward	I-95	54	74	34	0	0	0	145	144	0	0	0	0
	Broward	95 Express	48	26	26	0	0	0	0	25	0	0	0	0
	Broward	I-75	0	0	22	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	16	12	7	0	0	0	14	8	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	48	22	0	0	0	1	22	0	0	0	11	0
Subtotal of On Route			2741	848	1137	52	451	93	2561	1039	3310	796	56	93
Subtotal of Off Route			4694	2067	2382	722	654	1970	1509	2257	3862	1059	1763	1086
Total District 6			6969	2772	3183	711	1097	1782	3888	3119	7004	1855	1779	1179
Other Agencies			466	143	336	63	8	281	182	177	168	0	40	0
Total			7435	2915	3519	774	1105	2063	4070	3296	7172	1855	1819	1179

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

