DMS Usage Report – November 2018

Summary of Monthly Operations

In the month of November, there were 35,808 messages posted with 10,321 DMS activations for 1,461 events. The DMS efficiency was 99.73% (1,457 of the 1,461 signable events had DMS messages posted) for all roadways. There was an average of 7.06 DMSs activated per each signable event and an average of 3.47 DMS messages were posted per each DMS activation. This resulted in an average of 24.51 DMS messages being posted per each signable event.

Summary of Average Monthly Operations

- $\frac{10{,}321\ DMS\ Activations}{1{,}461 Events}$ = **7.06** *Average DMS Activations per Event*

  An average of 7.06 DMSs were activated per each signable event

- $\frac{35{,}808\ DMS\ Messages}{10{,}321 DMS\ Activations}$ = **3.47** *Average DMS Messages per Activation*

  An average of 3.47 DMS messages were posted per each DMS activation

- $7.06\ \frac{DMS\ Activations}{Events}\ \text{x}\ 3.47\ \frac{DMS\ Messages}{DMS\ Activations}$ = **24.51*** *DMS Messages per Event*

  An average of 24.51 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	509
Florida's Turnpike Enterprise	252
Miami-Dade Expressway Authority	938
Total	**1803**

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	12785
Other Districts' Incidents	1212
Construction	8166
Safety	11278
Vehicle Alert	2367
Total	**35808**

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	167	569	1957:11:32	100.00%
	22	I-95 NB south of NW 62 St	149	444	1099:03:34	100.00%
	75	I-95 NB before SR 112	289	811	1467:08:15	100.00%
	77	I-95 NB beyond SW 8 St	312	866	1574:57:39	100.00%
	2	I-95 SB north of Ives Dairy Rd	240	687	1500:00:19	100.00%
	3	I-95 SB north of Miami Gardens Dr	275	772	1725:31:56	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	72	275	829:59:15	100.00%
	20	I-95 SB south of NW 119 St	159	516	1552:07:17	99.76%
	21	I-95 SB south of NW 62 St	140	461	1283:20:29	100.00%
	74	I-95 SB beyond of SR 112	124	374	851:49:40	89.56%
	76	I-95 SB before Rickenbacker Cswy	37	206	824:39:53	100.00%
		I-95 Mainline Subtotal	***1964***	***5981***	***14665:49:49***	***99.03%***
I-95 Express	95X40	95X NB at NW 62nd St	167	520	1322:24:30	99.24%
	95X45	95X NB at NW 125th St	172	557	1321:50:39	100.00%
	95XSB45	95X SB at NW 62nd St	110	377	993:40:29	99.93%
	95XSB50	95X SB at NW 125th St	87	318	980:59:39	99.24%
	095SB014.6-EL	95X SB at Miami Gardens Dr	275	731	1563:59:15	99.83%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	51	227	796:52:04	99.74%
		I-95 Express Subtotal	***862***	***2730***	***6979:46:36***	***99.66%***
SR 826	4	SR 826 EB east of NW 67 Ave	102	308	902:09:38	100.00%
	5	SR 826 EB east of NW 37 Ave	290	787	1654:40:28	100.00%
	14***	SR 826 NB beyond NW 122 St	86	341	1026:37:08	N/A***
	15	SR 826 WB beyond NW 17 Ave	77	296	1239:00:24	99.92%
	17	SR 826 WB beyond NW 47 Ave	94	322	1309:27:03	100.00%
	19	SR 826 WB beyond NW 67 Ave	126	404	1378:02:45	97.90%
	826NB58	SR 826 NB before NW 58 St	70	231	902:31:11	82.76%
	826SB103***	SR 826 SB before NW 103 St	80	307	1112:34:00	N/A***
	826SB58	SR 826 SB before NW 58 St	68	242	847:44:41	69.91%
	826NB1.3-LL	SR 826 NB before SW 72 St	75	301	1196:41:25	100.00%
	826NB4.8-LL	SR 826 NB at SW 24 St	210	528	1642:25:37	100.00%
	826SB8.8-LL***	SR 826 SB at NW 36 St	177	448	1287:46:08	N/A***
		SR 826 Subtotal	***1455***	***4515***	***14499:40:28***	***94.50%***
I-75	43	I-75 NB before Miami Gardens Dr	36	276	1556:17:49	99.79%
	44	I-75 SB before Miami Gardens Dr	142	421	1578:38:27	99.91%
	42	I-75 SB ramp from NW 138 St	107	345	1119:07:41	72.89%
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	17	28	25:12:22	100.00%
		I-75 Subtotal	***302***	***1070***	***4279:16:19***	***93.15%***
I-195 Mainline	57	I-195 EB before North Miami Ave	39	223	946:19:58	100.00%
	105	I-195 WB before Alton Rd	176	913	1917:00:40	100.00%
		I-195 Mainline Subtotal	***215***	***1136***	***2863:20:38***	***100.00%***
I-395	886WB	Port Blvd WB before US-1	193	591	1222:44:04	100.00%
	104	I-395 WB at Watson Island	298	803	1390:44:58	97.13%
		I-395 Subtotal	***491***	***1394***	***2613:29:02***	***98.57%***
		Limited Access Facilities Subtotal	***5289***	***16826***	***45901:22:52***	***97.20%***

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	152	495	940:09:22	95.01%
	113	Ives Dairy Rd WB before I-95	125	413	855:58:52	97.30%
	110	Miami Gardens Dr EB before I-95	202	596	1206:58:58	98.55%
	111	Miami Gardens Dr WB before I-95	212	637	1209:00:52	97.22%
	112	NW 103 St EB before I-95	210	631	1366:28:17	95.12%
	106	NW 79 St EB before I-95	193	525	1294:11:36	95.48%
	107	NW 54 St EB before I-95	138	402	879:01:30	60.35%
	108	SW 8 St EB before I-95	112	401	901:45:01	98.38%
		I-95 Arterial Subtotal	***1344***	***4100***	***8653:34:28***	***92.18%***
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	288	834	1731:32:06	99.77%
	7	Turnpike SB to Golden Glades	258	745	1406:07:11	100.00%
	9	US-441 NB at TRI-Rail	85	359	1008:51:51	100.00%
	10	SR 9 NB before Park & Ride	85	363	1008:55:43	99.86%
	8	US-441 SB at NW 179 St	226	692	1551:00:14	99.96%
		Golden Glades Interchange Subtotal	***942***	***2993***	***6706:27:05***	***99.92%***
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	120	367	1275:14:36	100.00%
	SW24WB	SW 24 St WB before SR 826	120	367	1275:14:34	99.72%
	SW40EB	SW 40 St EB before SR 826	107	347	1257:56:13	100.00%
	SW40WB	SW 40 St WB before SR 826	106	346	1257:23:32	100.00%
	SW56EB	SW 56 St EB before SR 826	91	321	1237:13:06	100.00%
	SW56WB	SW 56 St WB before SR 826	91	321	1237:13:14	100.00%
	SW72EB	SW 72 St EB before SR 826	82	312	1212:33:08	100.00%
	SW72WB	SW 72 St WB before SR 826	82	314	1212:58:57	100.00%
	WFLAGLEREB	W Flagler ST EB before SR 826	116	350	1214:11:03	100.00%
	WFLAGLERWB	W Flagler ST WB before SR 826	116	349	1214:11:00	100.00%
	NW25EB	NW 25 ST EB before SR 826	119	351	1118:12:57	71.48%
	NW25WB	NW 25 ST WB before SR 826	120	354	1123:06:01	100.00%
	NW36EB	NW 36 ST EB before SR 826	126	367	1235:03:15	100.00%
	NW36WB	NW 36 ST WB before SR 826	123	360	1141:13:49	100.00%
	SW8EB	SW 8 ST EB before SR 826	116	356	1224:10:57	100.00%
	SW8WB	SW 8 ST WB before SR 826	116	356	1224:10:53	100.00%
	SW88EB	Kendall DR EB before SR 826	67	276	1174:00:59	99.80%
	SW88WB	Kendall DR WB before SR 826	68	277	1174:48:58	100.00%
		SR 826 Arterial Subtotal	***1886***	***6091***	***21808:57:12***	***98.39%***
I-195 Arterial	38	Alton Rd SB before I-195	87	1101	2481:50:53	100.00%
	39	Arthur Godfrey WB before I-195	87	1105	2482:13:20	100.00%
	40	Alton Rd NB before I-195	86	702	1764:38:40	100.00%
		I-195 Arterial Subtotal	***260***	***2908***	***6728:42:53***	***100.00%***

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

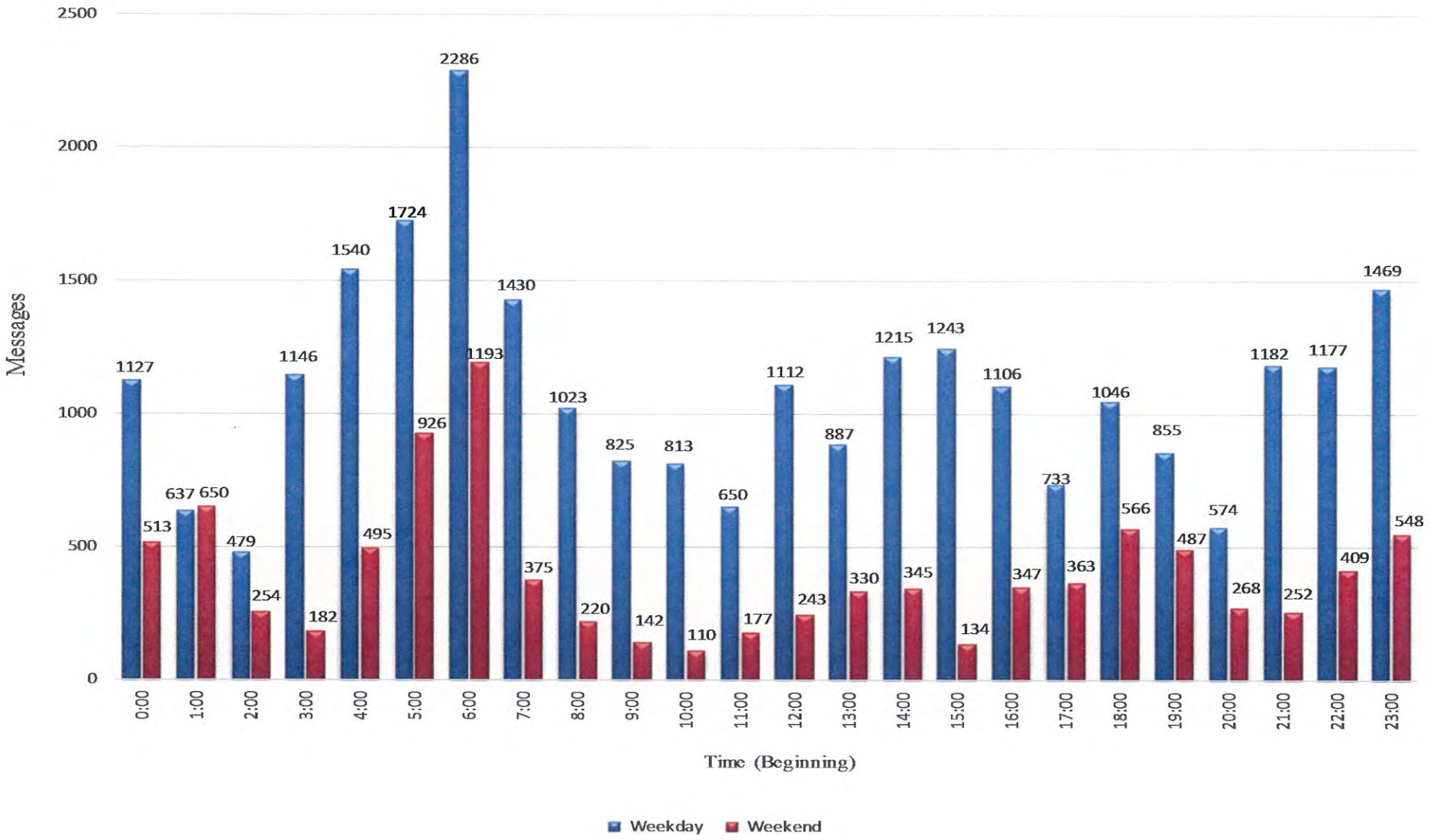
Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:min:ss)	Availability
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	215	617	1337:56:48	100.00%
	45	US-1 SB before SW 80 St	55	221	914:27:22	100.00%
	47	US-1 SB at Florida's Turnpike	30	210	1021:00:22	100.00%
	46	US-1 NB before Killian Dr	64	273	1099:32:47	100.00%
	48	US-1 NB at Florida's Turnpike	31	217	1032:21:15	100.00%
US-1 in Miami-Dade County Subtotal			***395***	***1538***	***5405:18:34***	***100.00%***
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	31	231	1022:43:19	99.37%
	64	US-1 NB at Mile Marker 106	17	114	532:09:26	77.84%
	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	281	1653:40:15	99.11%
	61	US-1 SB at Mile Marker 126	43	288	1745:47:42	100.00%
	63	US-1 SB at Mile Marker 113	23	122	451:17:35	58.94%
	65	US-1 SB at Mile Marker 106	27	138	576:00:44	77.32%
	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	178	818:19:24	98.60%
US-1 South of Florida City Subtotal			***205***	***1352***	***6799:58:25***	***87.31%***
Arterials Subtotal			***5032***	***18982***	***56102:58:37***	***95.78%***
Limited Access Facilities Subtotal			***5289***	***16826***	***45901:22:52***	***97.20%***
Grand Total			***10321***	***35808***	***102004:21:29***	***96.54%***

**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, 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			396	172	345	104	58	55	128	121	487	111	185	205
Safety Messaging			1544	881	1554	438	317	285	988	711	2402	414	763	981
District 6	Miami-Dade	I-95	2376	619	445	0	277	518	2400	1158	14	303	130	0
District 6	Miami-Dade	95 Express	830	724	175	0	0	263	1	453	0	0	246	0
District 6	Miami-Dade	I-195	104	0	0	0	452	46	72	0	0	1282	2	0
District 6	Miami-Dade	I-395	143	47	0	0	16	87	63	0	0	0	34	0
District 6	Miami-Dade	MacArthur Causeway	24	5	0	0	1	18	0	0	0	798	5	0
District 6	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	SR-826	192	129	1304	281	0	0	223	344	3119	0	79	0
District 6	Miami-Dade	I-75	0	0	147	124	0	0	0	0	19	0	0	0
District 6	Miami-Dade	US-1	24	1	1	0	1	2	3	0	0	0	37	26
District 6	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	3	138
District 6	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	SR-997/ Krome Avenue	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	SR-9	0	0	0	0	0	0	0	8	0	0	0	0
District 6	Miami-Dade	US-27	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	US-441	0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	OTHER	4	4	6	1	2	1	0	1	0	0	3	2
District 6	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	125	0	352	0	0	119	2	0	0	0	2	0
MDX	Miami-Dade	SR-836 Extension to 137th Ave	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-112	24	11	0	0	12	0	3	0	0	0	0	0
MDX	Miami-Dade	SR-874	0	0	25	0	0	0	0	0	78	0	15	0
MDX	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	23	0
MDX	Miami-Dade	SR-924	0	0	69	78	0	0	0	0	0	0	0	0
District 4	Broward	I-95	58	58	33	0	0	0	137	113	0	0	0	0
District 4	Broward	95 Express	36	17	20	1	0	0	0	18	0	0	0	0
District 4	Broward	I-75	0	0	8	10	0	0	0	0	0	0	0	0
District 4	Broward	I-595	0	0	0	0	0	0	0	0	0	0	0	0
District 4	Palm Beach	I-95	0	0	0	0	0	0	0	0	0	0	0	0
District 4	Indian River	I-95	0	0	0	0	0	0	0	0	0	0	0	0
District 4	Broward	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	Miami-Dade	Florida's Turnpike	54	38	31	5	0	0	54	65	0	0	0	0
Turnpike	Miami-Dade	Florida's Turnpike Spur	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	Broward	Florida's Turnpike	2	2	0	0	0	0	0	1	0	0	0	0
Turnpike	Palm Beach	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	Martin	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	St. Lucie	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Tunnel	Miami-Dade	Port Miami Tunnel	45	22	0	0	0	0	26	0	0	0	11	0
Subtotal of On Route			2376	724	1304	124	452	87	2400	1158	3119	1282	37	138
Subtotal of Off Route			3605	2006	3211	918	684	1307	1700	1835	3000	1626	1501	1214
Total District 6			5637	2582	3977	948	1124	1275	3878	2796	6041	2908	1487	1352
Other Agencies			344	148	538	94	12	119	222	197	78	0	51	0
Total			5981	2730	4515	1042	1136	1394	4100	2993	6119	2908	1538	1352

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