

DMS Usage Report – June 2018

Summary of Monthly Operations

In the month of June, there were 33,570 messages posted with 10,756 DMS activations for 1,397 events. The DMS efficiency was 100.00% (1,397 of the 1,397 signable events had DMS messages posted) for all roadways. There was an average of 7.70 DMSs activated per each signable event and an average of 3.12 DMS messages were posted per each DMS activation. This resulted in an average of 24.03 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

- $\frac{10,756 \text{ DMS Activations}}{1,397 \text{ Events}} = 7.70 \text{ Average DMS Activations per Event}$

An average of 7.70 DMSs were activated per each signable event

- $\frac{33,570 \text{ DMS Messages}}{10,756 \text{ DMS Activations}} = 3.12 \text{ Average DMS Messages per Activation}$

An average of 3.12 DMS messages were posted per each DMS activation

- $7.70 \frac{\text{DMS Activations}}{\text{Events}} \times 3.12 \frac{\text{DMS Messages}}{\text{DMS Activations}} = 24.03^* \text{ DMS Messages per Event}$

An average of 24.03 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	527
FDOT District 4	379
Florida's Turnpike Enterprise	84
Miami-Dade Expressway Authority	1037
Total	2027

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	12363
Other Districts' Incidents	990
Construction	6719
Safety	10613
Vehicle Alert	2885
Total	33570

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	170	585	1760:05:22	99.24%
	22	I-95 NB south of NW 62 St	127	327	300:43:39	100.00%
	75	I-95 NB before SR 112	242	830	1753:01:44	100.00%
	77	I-95 NB beyond SW 8 St	296	951	2002:59:00	100.00%
	2	I-95 SB north of Ives Dairy Rd	264	763	1668:01:44	100.00%
	3	I-95 SB north of Miami Gardens Dr	289	819	1684:46:45	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	94	371	947:23:57	100.00%
	20	I-95 SB south of NW 119 St	160	423	731:47:50	99.65%
	21	I-95 SB south of NW 62 St	163	405	711:12:59	100.00%
	74	I-95 SB beyond of SR 112	185	530	1244:18:53	100.00%
	76	I-95 SB before Rickenbacker Cswy	42	245	931:43:48	100.00%
I-95 Mainline Subtotal			2032	6249	13736:05:41	99.90%
I-95 Express	95X40	95X NB at NW 62nd St	145	564	1224:47:22	99.25%
	95X45	95X NB at NW 125th St	174	662	1311:27:33	99.97%
	95XSB45	95X SB at NW 62nd St	159	522	1223:35:31	98.15%
	95XSB50	95X SB at NW 125th St	136	477	1197:32:18	99.25%
	095SB014.6-EL	95X SB at Miami Gardens Dr	299	851	1813:21:19	100.00%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	68	295	920:23:41	100.00%
I-95 Express Subtotal			981	3371	7691:07:44	99.44%
SR 826	4	SR 826 EB east of NW 67 Ave	98	370	980:59:43	100.00%
	5	SR 826 EB east of NW 37 Ave	318	833	1256:34:20	100.00%
	14***	SR 826 NB beyond NW 122 St	101	315	783:58:40	N/A***
	15	SR 826 WB beyond NW 17 Ave	61	197	606:07:39	38.39%
	17	SR 826 WB beyond NW 47 Ave	108	338	996:08:40	100.00%
	19	SR 826 WB beyond NW 67 Ave	93	247	599:20:33	63.01%
	826NB58	SR 826 NB before NW 58 St	98	318	1066:54:27	92.71%
	826SB103***	SR 826 SB before NW 103 St	107	349	1120:13:34	N/A***
	826SB58	SR 826 SB before NW 58 St	105	311	823:26:37	77.54%
	826NB1.3-LL	SR 826 NB before SW 72 St	92	266	842:43:12	76.46%
	826NB4.8-LL**	SR 826 NB at SW 24 St	186	417	1083:12:48	71.53%
	826SB8.8-LL**	SR 826 SB at NW 36 St	101	221	492:30:23	56.33%
SR 826 Subtotal			1468	4182	10652:10:36	77.60%
I-75	43	I-75 NB before Miami Gardens Dr	42	278	1489:38:40	95.81%
	44	I-75 SB before Miami Gardens Dr	160	475	1249:24:10	97.73%
	42	I-75 SB ramp from NW 138 St	138	455	1325:30:49	90.13%
	FLD6DOT075SB**	TBD	13	17	36:49:23	94.67%
I-75 Subtotal			353	1225	4101:23:02	94.59%
I-195 Mainline	57	I-195 EB before North Miami Ave	49	161	267:52:17	100.00%
	105	I-195 WB before Alton Rd	154	353	456:25:57	100.00%
I-195 Mainline Subtotal			203	514	724:18:14	100.00%
I-395	886WB	Port Blvd WB before US-1	193	577	1543:46:43	100.00%
	104	I-395 WB at Watson Island	292	924	1908:07:34	99.76%
I-395 Subtotal			485	1501	3451:54:17	99.88%
Limited Access Facilities Subtotal			5522	17042	40356:59:34	94.44%

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	157	485	1030:26:11	97.81%
	113	Ives Dairy Rd WB before I-95	110	348	782:29:38	95.21%
	110	Miami Gardens Dr EB before I-95	198	597	1052:34:58	99.54%
	111	Miami Gardens Dr WB before I-95	206	610	1062:09:57	99.48%
	112	NW 103 St EB before I-95	138	392	863:21:09	54.59%
	106	NW 79 St EB before I-95	179	534	1213:11:40	96.12%
	107	NW 54 St EB before I-95	186	517	1218:40:27	97.32%
	108	SW 8 St EB before I-95	99	358	898:52:13	97.91%
I-95 Arterial Subtotal			1273	3841	8121:46:13	92.25%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	317	903	1664:57:53	99.72%
	7	Turnpike SB to Golden Glades	282	816	1563:11:49	96.87%
	9	US-441 NB at TRI-Rail	85	355	916:25:22	100.00%
	10	SR 9 NB before Park & Ride	83	355	909:31:56	100.00%
	8	US-441 SB at NW 179 St	233	683	1481:48:58	96.71%
Golden Glades Interchange Subtotal			1000	3112	6535:55:58	98.66%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	138	403	1411:49:36	100.00%
	SW24WB	SW 24 St WB before SR 826	138	403	1411:49:40	100.00%
	SW40EB	SW 40 St EB before SR 826	116	377	1340:57:38	100.00%
	SW40WB	SW 40 St WB before SR 826	115	376	1340:51:51	100.00%
	SW56EB	SW 56 St EB before SR 826	99	346	1302:11:09	100.00%
	SW56WB	SW 56 St WB before SR 826	99	346	1302:11:09	100.00%
	SW72EB	SW 72 St EB before SR 826	87	321	1279:46:09	99.94%
	SW72WB	SW 72 St WB before SR 826	87	322	1279:46:46	100.00%
	WFLAGLEREB**	W Flagler ST EB before SR 826	146	418	1372:11:47	99.93%
	WFLAGLERWB**	W Flagler ST WB before SR 826	146	418	1372:11:52	99.92%
	NW25EB**	NW 25 ST EB before SR 826	162	470	1579:43:38	100.00%
	NW25WB**	NW 25 ST WB before SR 826	162	470	1579:43:54	100.00%
	NW36EB**	NW 36 ST EB before SR 826	161	458	1373:39:46	100.00%
	NW36WB**	NW 36 ST WB before SR 826	162	465	1417:04:46	100.00%
	SW8EB**	SW 8 ST EB before SR 826	138	401	1398:48:46	100.00%
	SW8WB**	SW 8 ST WB before SR 826	134	390	1348:23:08	98.03%
	SW88EB**	Kendall DR EB before SR 826	77	309	1238:03:23	99.86%
	SW88WB**	Kendall DR WB before SR 826	77	309	1238:03:13	100.00%
SR 826 Arterial Subtotal			2244	7002	24587:18:11	99.87%
I-195 Arterial	38	Alton Rd SB before I-195	98	245	474:27:40	84.11%
	39	Arthur Godfrey WB before I-195	94	239	473:56:02	100.00%
	40	Alton Rd NB before I-195	95	240	474:02:03	100.00%
I-195 Arterial Subtotal			287	724	1422:25:45	94.70%

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	215	787	1834:46:50	100.00%
	45	US-1 SB before SW 80 St	49	258	962:24:23	100.00%
	47	US-1 SB at Florida's Turnpike	41	236	936:40:11	100.00%
	46	US-1 NB before Killian Dr	67	290	1008:39:36	100.00%
	48	US-1 NB at Florida's Turnpike	46	257	967:52:29	99.84%
US-1 in Miami-Dade County Subtotal			418	1828	5710:23:29	99.97%
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	8	15	145:50:56	11.34%
	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	4	6	50:42:48	9.23%
US-1 South of Florida City Subtotal			12	21	196:33:44	10.29%
Arterials Subtotal			5234	16528	46574:23:20	92.48%
Limited Access Facilities Subtotal			5522	17042	40356:59:34	92.79%
Grand Total			10756	33570	86931:22:54	93.18%

*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			570	213	480	164	75	70	152	119	593	165	275	9
Safety Messaging			1550	1014	1160	476	132	344	985	835	3071	198	838	10
District 6	Miami-Dade	I-95	2026	524	326	0	193	402	2274	1036	0	209	158	0
	Miami-Dade	Express Lanes	1228	1287	299	0	0	343	0	799	0	0	316	0
	Miami-Dade	I-195	81	0	2	0	55	34	47	3	5	131	5	0
	Miami-Dade	I-395	44	8	0	0	4	70	24	0	0	9	14	0
	Miami-Dade	MacArthur Causeway	28	5	0	0	1	11	0	0	0	0	5	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	80	56	1429	449	0	4	98	170	2984	0	47	0
	Miami-Dade	I-75	0	0	119	65	0	0	0	0	0	0	0	0
	Miami-Dade	US-1	9	0	13	0	0	1	4	0	190	0	71	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	2
	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	48	48	58	12	24	12	0	12	0	0	34	0
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	207	3	204	8	1	203	6	0	80	3	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	65	26	0	0	29	7	8	0	0	9	0	0
	Miami-Dade	SR-874	0	0	12	0	0	0	0	0	96	0	8	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	3	0
	Miami-Dade	SR-924	0	0	27	31	0	0	0	0	0	0	0	0
District 4	Broward	I-95	44	42	23	0	0	0	86	87	0	0	0	0
	Broward	Express Lanes	34	21	17	0	0	0	1	21	0	0	0	0
	Broward	I-75	0	0	0	3	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	6	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	23	18	13	0	0	0	0	24	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	212	106	0	0	0	0	156	0	0	0	53	0
Subtotal of On Route			2026	1287	1429	65	55	70	2274	1036	2984	131	71	2
Subtotal of Off Route			4223	2084	2753	1143	459	1431	1567	2076	4035	593	1757	19
Total District 6			5664	3155	3886	1166	484	1291	3584	2974	6843	712	1763	21
Other Agencies			585	216	296	42	30	210	257	138	176	12	65	0
Total			6249	3371	4182	1208	514	1501	3841	3112	7019	724	1828	21

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

