

DMS Usage Report – July 2018

Summary of Monthly Operations

In the month of July, there were 30,906 messages posted with 10,427 DMS activations for 1,479 events. The DMS efficiency was 100.00% (1,479 of the 1,479 signable events had DMS messages posted) for all roadways. There was an average of 7.05 DMSs activated per each signable event and an average of 2.96 DMS messages were posted per each DMS activation. This resulted in an average of 20.90 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

- $\frac{10,427 \text{ DMS Activations}}{1,479 \text{ Events}} = 7.05 \text{ Average DMS Activations per Event}$

An average of 7.05 DMSs were activated per each signable event

- $\frac{30,906 \text{ DMS Messages}}{10,427 \text{ DMS Activations}} = 2.96 \text{ Average DMS Messages per Activation}$

An average of 2.96 DMS messages were posted per each DMS activation

- $7.05 \frac{\text{DMS Activations}}{\text{Events}} \times 2.96 \frac{\text{DMS Messages}}{\text{DMS Activations}} = 20.90^* \text{ DMS Messages per Event}$

An average of 20.90 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	268
FDOT District 4	576
Florida's Turnpike Enterprise	88
Miami-Dade Expressway Authority	1796
Total	2728

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	13272
Other Districts' Incidents	1354
Construction	7098
Safety	7208
Vehicle Alert	1974
Total	30906



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	184	443	1076:56:04	99.60%
	22	I-95 NB south of NW 62 St	105	220	118:39:57	100.00%
	75	I-95 NB before SR 112	289	672	812:53:44	100.00%
	77	I-95 NB beyond SW 8 St	315	713	861:34:57	100.00%
	2	I-95 SB north of Ives Dairy Rd	224	689	1546:22:07	100.00%
	3	I-95 SB north of Miami Gardens Dr	257	817	1564:32:35	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	89	305	938:41:19	100.00%
	20	I-95 SB south of NW 119 St	107	255	443:06:25	100.00%
	21	I-95 SB south of NW 62 St	134	351	525:47:03	100.00%
	74	I-95 SB beyond of SR 112	130	421	1104:04:32	100.00%
76	I-95 SB before Rickenbacker Cswy	34	149	207:23:42	100.00%	
I-95 Mainline Subtotal			1868	5035	9200:02:25	99.96%
I-95 Express	95X40	95X NB at NW 62nd St	154	426	1131:09:53	99.43%
	95X45	95X NB at NW 125th St	179	483	1207:49:02	99.60%
	95XSB45	95X SB at NW 62nd St	144	510	1161:23:46	98.84%
	95XSB50	95X SB at NW 125th St	114	448	1065:02:38	99.43%
	095SB014.6-EL	95X SB at Miami Gardens Dr	267	871	1664:20:22	100.00%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	68	263	931:42:28	100.00%
I-95 Express Subtotal			926	3001	7161:28:09	99.55%
SR 826	4	SR 826 EB east of NW 67 Ave	78	309	1003:50:27	100.00%
	5	SR 826 EB east of NW 37 Ave	287	828	1386:56:22	98.26%
	14***	SR 826 NB beyond NW 122 St	99	334	1151:56:22	N/A***
	15	SR 826 WB beyond NW 17 Ave	39	125	683:34:00	49.33%
	17	SR 826 WB beyond NW 47 Ave	100	309	1108:56:16	100.00%
	19	SR 826 WB beyond NW 67 Ave	114	331	1046:01:32	98.21%
	826NB58	SR 826 NB before NW 58 St	91	308	1312:20:00	96.01%
	826SB103***	SR 826 SB before NW 103 St	70	165	379:17:09	N/A***
	826SB58	SR 826 SB before NW 58 St	64	141	345:11:31	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	100	238	749:30:27	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	244	436	1131:52:21	99.93%
826SB8.8-LL**	SR 826 SB at NW 36 St	209	385	713:52:43	99.85%	
SR 826 Subtotal			1495	3909	11013:19:10	94.16%
I-75	43	I-75 NB before Miami Gardens Dr	34	261	1758:54:21	99.70%
	44	I-75 SB before Miami Gardens Dr	120	381	1057:38:53	100.00%
	42	I-75 SB ramp from NW 138 St	113	345	1070:12:13	100.00%
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	6	8	22:25:21	99.37%
I-75 Subtotal			273	995	3909:10:48	99.77%
I-195 Mainline	57	I-195 EB before North Miami Ave	42	94	107:18:20	100.00%
	105	I-195 WB before Alton Rd	137	316	611:13:02	100.00%
I-195 Mainline Subtotal			179	410	718:31:22	100.00%
I-395	886WB	Port Blvd WB before US-1	193	591	1421:19:18	100.00%
	104	I-395 WB at Watson Island	302	798	1676:00:41	99.90%
I-395 Subtotal			495	1389	3097:19:59	99.95%
Limited Access Facilities Subtotal			5236	14739	35099:51:53	98.18%

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	149	506	1066:23:52	99.37%
	113	Ives Dairy Rd WB before I-95	112	391	908:04:48	97.43%
	110	Miami Gardens Dr EB before I-95	180	587	1086:57:17	99.31%
	111	Miami Gardens Dr WB before I-95	193	622	1099:35:43	99.81%
	112	NW 103 St EB before I-95	105	301	637:11:03	58.73%
	106	NW 79 St EB before I-95	115	343	891:41:38	77.67%
	107	NW 54 St EB before I-95	175	485	1115:22:44	97.78%
	108	SW 8 St EB before I-95	120	414	919:03:08	96.99%
<i>I-95 Arterial Subtotal</i>			1149	3649	7724:20:13	90.89%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	304	916	1594:22:13	99.85%
	7	Turnpike SB to Golden Glades	268	873	1565:36:20	99.71%
	9	US-441 NB at TRI-Rail	91	354	986:56:09	99.65%
	10	SR 9 NB before Park & Ride	91	354	978:15:29	99.35%
	8	US-441 SB at NW 179 St	218	739	1512:23:19	99.74%
<i>Golden Glades Interchange Subtotal</i>			972	3236	6637:33:30	99.66%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	163	452	1777:29:21	100.00%
	SW24WB	SW 24 St WB before SR 826	163	452	1777:29:12	100.00%
	SW40EB	SW 40 St EB before SR 826	154	439	1791:18:01	100.00%
	SW40WB	SW 40 St WB before SR 826	154	439	1791:17:52	100.00%
	SW56EB	SW 56 St EB before SR 826	101	330	1527:43:34	99.38%
	SW56WB	SW 56 St WB before SR 826	103	331	1530:25:26	98.72%
	SW72EB	SW 72 St EB before SR 826	97	329	1539:18:06	100.00%
	SW72WB	SW 72 St WB before SR 826	98	330	1539:36:12	100.00%
	WFLAGLEREB**	W Flagler ST EB before SR 826	156	440	1688:47:22	99.88%
	WFLAGLERWB**	W Flagler ST WB before SR 826	156	443	1688:48:00	99.93%
	NW25EB**	NW 25 ST EB before SR 826	145	409	1564:58:44	100.00%
	NW25WB**	NW 25 ST WB before SR 826	146	410	1566:13:45	100.00%
	NW36EB**	NW 36 ST EB before SR 826	146	415	1595:46:10	100.00%
	NW36WB**	NW 36 ST WB before SR 826	150	430	1809:41:18	100.00%
	SW8EB**	SW 8 ST EB before SR 826	160	472	1828:36:31	100.00%
	SW8WB**	SW 8 ST WB before SR 826	160	468	1827:38:41	99.87%
SW88EB**	Kendall DR EB before SR 826	57	210	970:47:19	66.29%	
SW88WB**	Kendall DR WB before SR 826	85	303	1492:06:21	100.00%	
<i>SR 826 Arterial Subtotal</i>			2394	7102	29308:01:55	98.00%
I-195 Arterial	38	Alton Rd SB before I-195	76	217	829:57:09	95.59%
	39	Arthur Godfrey WB before I-195	70	147	545:37:05	100.00%
	40	Alton Rd NB before I-195	71	150	548:34:18	100.00%
<i>I-195 Arterial Subtotal</i>			217	514	1924:08:32	98.53%

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	221	614	1510:59:33	100.00%
	45	US-1 SB before SW 80 St	53	217	919:03:05	100.00%
	47	US-1 SB at Florida's Turnpike	29	153	830:14:05	100.00%
	46	US-1 NB before Killian Dr	70	216	1064:41:00	100.00%
	48	US-1 NB at Florida's Turnpike	34	162	864:48:51	100.00%
US-1 in Miami-Dade County Subtotal			407	1362	5189:46:34	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	35	189	1601:51:41	100.00%
	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	17	115	794:49:09	100.00%	
US-1 South of Florida City Subtotal			52	304	2396:40:50	100.00%
Arterials Subtotal			5191	16167	53180:31:34	97.39%
Limited Access Facilities Subtotal			5236	14739	35099:51:53	98.18%
Grand Total			10427	30906	88280:23:27	97.64%

*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			366	173	318	105	55	55	120	114	318	105	175	70
Safety Messaging			668	706	764	351	6	262	847	651	2297	24	450	182
District 6	Miami-Dade	I-95	1950	488	328	3	202	502	2032	977	0	238	162	0
	Miami-Dade	Express Lanes	1064	1242	321	0	1	253	0	911	0	0	230	0
	Miami-Dade	I-195	144	1	0	0	73	52	124	0	0	85	1	0
	Miami-Dade	I-395	38	6	0	0	1	51	22	0	0	0	10	0
	Miami-Dade	MacArthur Causeway	27	5	0	0	0	12	10	0	0	54	5	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	177	126	1454	402	1	2	235	387	3717	0	56	0
	Miami-Dade	I-75	0	0	232	105	0	0	0	0	1	0	0	0
	Miami-Dade	US-1	21	0	0	0	0	7	14	0	0	0	171	0
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	52
	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	3	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	28	28	48	7	15	7	0	7	45	2	21	0	
Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0	
MDX	Miami-Dade	SR-836	182	1	286	0	0	184	2	0	0	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	117	58	0	0	56	0	9	0	0	6	0	0
	Miami-Dade	SR-874	2	0	87	0	0	2	0	0	732	0	47	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	5	0
	Miami-Dade	SR-924	0	0	10	10	0	0	0	0	0	0	0	0
District 4	Broward	I-95	74	69	39	3	0	0	149	132	0	0	0	0
	Broward	Express Lanes	43	26	21	1	0	0	0	19	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	18	14	1	0	0	0	20	35	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	116	58	0	0	0	0	65	0	0	0	29	0
Subtotal of On Route			1950	1242	1454	105	73	51	2032	977	3717	85	171	52
Subtotal of Off Route			3085	1759	2455	882	337	1338	1617	2259	3393	429	1191	252
Total District 6			4483	2775	3465	973	354	1203	3404	3050	6378	508	1281	304
Other Agencies			552	226	444	14	56	186	245	186	732	6	81	0
Total			5035	3001	3909	987	410	1389	3649	3236	7110	514	1362	304

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

