



Summary of Monthly Operations

In the month of April, there were 19,186 messages posted with 5,887 DMS activations for 971 events. The DMS efficiency was 100% (971 of the 971 signable events had DMS messages posted). There was an average of 6.06 DMSs activated per each signable event and an average of 3.26 DMS messages were posted per each DMS activation. This resulted in an average of 19.76 DMS messages being posted per each signable event.

Note: 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

- $$\frac{5887 \text{ DMS Activations}}{971 \text{ Events}} = \mathbf{6.06} \text{ Average DMS Activations per Event}$$

An average of 6.06 DMSs were activated per each signable event

- $$\frac{19186 \text{ DMS Messages}}{5887 \text{ DMS Activations}} = \mathbf{3.26} \text{ Average DMS Messages per Activation}$$

An average of 3.26 DMS messages were posted per each DMS activation

- $$6.06 \frac{\text{DMS Activations}}{\text{Events}} \times 3.26 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \mathbf{19.76^*} \text{ DMS Messages per Event}$$

An average of 19.76 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
FDOT District 4	1496
Florida's Turnpike Enterprise	345
Miami-Dade Expressway Authority	798
Total	2639

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	9220
Other Districts' Incidents	1524
Construction	6405
Safety	549
Vehicle Alert	1488
Total	19186



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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 north of NW 103 St	115	397	200:08:46	94.85%
	22	I-95 NB south of NW 62 St	86	265	143:52:55	99.68%
	75	I-95 NB before SR 112	182	456	171:20:22	100.00%
	77*	I-95 NB beyond SW 8 St	0	0	0:00:00	N/A*
	2	I-95 SB north of Ives Dairy Rd	189	637	199:36:07	99.89%
	3	I-95 SB north of Miami Gardens Dr	191	590	177:15:05	99.92%
	20	I-95 SB south of NW 119 St	76	217	75:08:44	99.92%
	21	I-95 SB south of NW 62 St	94	371	153:53:48	99.74%
	74*	I-95 SB beyond of SR 112	0	0	0:00:00	N/A*
I-95 Mainline Subtotal			946	2974	1154:33:47	99.19%
I-95 Express	95X40	95X NB at NW 62nd St	82	192	91:05:31	92.62%
	95X45	95X NB at NW 125th St	105	369	184:02:41	97.75%
	95XSB45	95X SB at NW 62nd St	88	302	145:58:56	99.83%
	95XSB50	95X SB at NW 125th St	67	162	58:46:50	85.79%
I-95 Express Subtotal			342	1025	479:53:58	94.00%
SR 826	14	SR 826 NB beyond NW 122 St	54	138	106:54:46	99.92%
	4	SR 826 EB east of NW 67 Ave	56	184	123:13:59	99.92%
	5	SR 826 EB east of NW 37 Ave	213	632	261:18:46	99.52%
	15	SR 826 WB beyond NW 17 Ave	67	257	214:47:46	99.54%
	17	SR 826 WB beyond NW 47 Ave	102	360	359:19:16	99.92%
	19	SR 826 WB beyond NW 67 Ave	117	398	379:01:44	99.92%
	826NB58	SR 826 NB before NW 58 St	50	138	116:02:02	99.92%
	826SB58	SR 826 SB before NW 58 St	97	297	560:45:21	99.66%
	826SB103	SR 826 SB before NW 103 St	91	288	624:59:41	99.92%
	826NB1.3-LL	SR 826 NB before SW 72 St	67	229	707:51:44	99.92%
	826NB4.8-LL**	SR 826 NB at SW 24 St	93	269	666:05:47	N/A**
	826SB8.8-LL**	SR 826 SB at NW 36 St	94	280	794:55:07	N/A**
SR 826 Subtotal			1101	3470	4915:15:59	99.82%
I-75	43	I-75 NB before Miami Gardens Dr	32	90	85:03:58	99.92%
	44	I-75 SB before Miami Gardens Dr	107	317	352:09:50	99.83%
	42	I-75 SB ramp from NW 138 St	114	334	348:41:20	91.33%
I-75 Subtotal			253	741	785:55:08	97.03%
I-195 Mainline	57*	I-195 EB before North Miami Ave	5	23	17:40:26	N/A*
	103*	SR 112 EB before NW 39 St	0	0	0:00:00	N/A*
	105*	I-195 WB before Alton Rd	18	44	15:24:54	N/A*
I-195 Mainline Subtotal			23	67	33:05:20	N/A
I-395	886WB	Port Blvd WB before US-1	106	398	191:19:42	99.92%
	104	I-395 WB at Watson Island	179	424	168:11:17	99.49%
I-395 Subtotal			285	822	359:30:59	99.71%
Limited Access Facilities Subtotal			2950	9099	7728:15:11	98.45%



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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	111	407	125:26:31	89.98%
	113	Ives Dairy Rd WB before I-95	103	389	121:35:28	85.05%
	110	Miami Gardens Dr EB before I-95	119	428	138:32:33	90.42%
	111	Miami Gardens Dr WB before I-95	123	441	145:49:22	90.48%
	112	NW 103 St EB before I-95	139	456	137:16:25	97.95%
	106	NW 79 St EB before I-95	124	417	140:10:45	99.10%
	107	NW 54 St EB before I-95	146	488	158:38:09	99.85%
	108	SW 8 St EB before I-95	77	337	135:25:40	97.17%
<i>I-95 Arterial Subtotal</i>			942	3363	1102:54:53	93.75%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	211	804	352:53:01	99.92%
	7	Turnpike SB to Golden Glades	209	660	214:04:56	99.92%
	9	US-441 NB at TRI-Rail	80	324	160:07:43	99.92%
	10	SR 9 NB before Park & Ride	125	429	168:09:17	99.92%
	8	US-441 SB at NW 179 St	205	655	236:05:01	99.37%
<i>Golden Glades Interchange Subtotal</i>			830	2872	1131:19:58	99.81%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	105	283	456:39:01	99.87%
	SW24WB	SW 24 St WB before SR 826	105	283	456:38:55	99.86%
	SW40EB	SW 40 St EB before SR 826	102	262	450:27:19	99.86%
	SW40WB	SW 40 St WB before SR 826	103	265	453:14:14	99.86%
	SW56EB	SW 56 St EB before SR 826	85	249	386:43:57	99.86%
	SW56WB	SW 56 St WB before SR 826	85	249	386:43:57	99.88%
	SW72EB	SW 72 St EB before SR 826	80	232	382:53:47	99.92%
	SW72WB	SW 72 St WB before SR 826	81	233	377:20:16	99.92%
<i>SR 826 Arterial Subtotal</i>			746	2056	3350:41:26	99.88%
I-195 Arterial	38*	Alton Rd SB before I-195	2	6	0:46:13	N/A*
	39*	Arthur Godfrey WB before I-195	2	6	0:46:14	N/A*
	40*	Alton Rd NB before I-195	2	6	0:46:14	N/A*
<i>I-195 Arterial Subtotal</i>			6	18	2:18:41	N/A
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	81	479	211:08:32	99.92%
	45	US-1 SB before SW 80 St	47	167	263:09:11	99.92%
	47	US-1 SB at Florida's Turnpike	9	48	53:12:57	99.47%
	46	US-1 NB before Killian Dr	46	188	419:46:25	99.92%
	48	US-1 NB at Florida's Turnpike	17	85	134:28:33	99.92%
<i>US-1 in Miami-Dade County Subtotal</i>			200	967	1081:45:38	99.83%



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

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	12	40	36:30:20	99.70%
	64	US-1 NB at Mile Marker 106	18	52	48:11:19	99.01%
	66	US-1 NB at Mile Marker 91.5	10	44	33:37:07	99.07%
	68	US-1 NB at Mile Marker 39.5	27	95	97:11:26	99.65%
	71	US-1 NB at Mile Marker 7.5	20	98	83:25:20	99.88%
	61	US-1 SB at Mile Marker 126	25	101	87:45:12	99.65%
	63	US-1 SB at Mile Marker 113	22	90	83:48:29	99.63%
	65	US-1 SB at Mile Marker 106	29	104	100:18:52	94.08%
	67	US-1 SB at Mile Marker 91.5	20	87	82:01:55	99.05%
	69	US-1 SB at Mile Marker 39.5	21	65	52:32:23	99.64%
	70	US-1 SB at Mile Marker 7.5	9	35	33:00:49	99.92%
US-1 South of Florida City Subtotal			213	811	738:23:12	99.03%
Arterials Subtotal			2937	10087	7407:23:48	98.28%
Limited Access Facilities Subtotal			2950	9099	7728:15:11	98.45%
Grand Total			5887	19186	15135:38:59	98.35%

*DMS 38, 39, 40, 57, 103, and 105 were undergoing testing for Capital Improvement and were used periodically. DMS 74 and 77 are encountering intermittent failures and have been placed under Capital Improvement. System availability is not measured for these devices.

**Two additional DMS along the SR 826 Section 5 project are operational and are still under warranty; system availability is not measured for these devices.



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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		207	85	327	91	16	43	0	110	176	0	142	291
Safety Messaging		88	43	132	33	11	16	0	55	0	0	53	118
District 6	Miami-Dade I-95	1587	224	307	0	30	335	2065	1207	0	18	219	0
	Miami-Dade Express Lanes	444	296	154	0	0	142	0	451	0	0	0	0
	Miami-Dade I-195	139	0	0	0	0	48	204	0	0	0	27	0
	Miami-Dade I-395	143	135	0	0	8	142	403	0	0	0	134	0
	Miami-Dade MacArthur Causeway	29	29	0	0	0	27	0	0	0	0	26	0
	Miami-Dade SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade SR-826	110	39	1914	435	0	0	126	409	1428	0	122	0
	Miami-Dade I-75	0	0	71	155	0	0	0	0	0	0	0	0
	Miami-Dade US-1	6	0	2	0	0	2	3	0	149	0	159	5
	Monroe US-1	0	0	0	0	0	0	0	0	0	0	0	391
	Monroe Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	5
	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	0	0	0	0	0	0	0	3	0	0	0	0
Monroe OTHER	0	0	0	0	0	0	0	0	0	0	0	0	
MDX	Miami-Dade SR-836	12	8	192	0	1	62	38	0	201	0	18	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	23	11	0	0	1	5	18	0	0	0	1	0
	Miami-Dade SR-874	0	0	62	0	0	0	0	0	102	0	20	0
	Miami-Dade SR-878	0	0	0	0	0	0	0	0	0	0	15	0
	Miami-Dade SR-924	0	0	4	4	0	0	0	0	0	0	0	0
District 4	Broward I-95	110	109	132	0	0	0	506	537	0	0	0	0
	Broward I-75	0	0	79	23	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 Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	1
	Miami-Dade Floridas Turnpike Spur	0	0	0	0	0	0	0	1	0	0	0	0
	Broward Floridas Turnpike	76	46	94	0	0	0	0	96	0	0	31	0
	Palm Beach Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Martin Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	St. Lucie Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal of On Route		1587	296	1914	155	0	142	2065	1207	1428	0	159	396
Subtotal of Off Route		1387	729	1556	586	67	680	1298	1665	628	18	808	415
Total District 6		2753	851	2907	714	65	755	2801	2238	1753	18	882	810
Other Agencies		221	174	563	27	2	67	562	634	303	0	85	1
Total		2974	1025	3470	741	67	822	3363	2872	2056	18	967	811

Notes:

- Vehicle Alert messages are signed for entire Miami-Dade and Monroe Counties; thus, is not location-specific event.*
- 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.*



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DMS Messages by Time of Day

