

DMS Usage Report – November 2015

Summary of Monthly Operations

In the month of November, there were 39,805 messages posted with 9,929 DMS activations for 1,551 events. The DMS efficiency was 99.48% (1,543 of the 1,551 signable events had DMS messages posted). There was an average of 6.40 DMSs activated per each signable event and an average of 4.01 DMS messages were posted per each DMS activation. This resulted in an average of 25.66 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

- $\frac{9929 \text{ DMS Activations}}{1551 \text{ Events}} = \underline{6.40} \text{ Average DMS Activations per Event}$

An average of 6.40 DMSs were activated per each signable event

- $\frac{39805 \text{ DMS Messages}}{9929 \text{ DMS Activations}} = \underline{4.01} \text{ Average DMS Messages per Activation}$

An average of 4.01 DMS messages were posted per each DMS activation

- $6.40 \frac{\text{DMS Activations}}{\text{Events}} \times 4.01 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{25.66^*} \text{ DMS Messages per Event}$

An average of 25.66 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	56
FDOT District 4	1341
Florida's Turnpike Enterprise	169
Miami-Dade Expressway Authority	3044
Total	4610

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	24571
Other Districts' Incidents	2021
Construction	11441
Safety	0
Vehicle Alert	1772
Total	39805

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	227	981	2279:05:29	100.00%
	22	I-95 NB south of NW 62 St	195	803	1591:20:38	100.00%
	75	I-95 NB before SR 112	344	1144	1811:20:34	100.00%
	77	I-95 NB beyond SW 8 St	405	1281	1647:14:53	100.00%
	2***	I-95 SB north of Ives Dairy Rd	250	830	1311:58:12	N/A***
	3***	I-95 SB north of Miami Gardens Dr	277	1145	1515:01:43	N/A***
	095NB013.5LL***	I-95 NB north of NW 173 St	94	414	872:26:16	N/A***
	20	I-95 SB south of NW 119 St	138	636	1288:21:14	100.00%
	21	I-95 SB south of NW 62 St	155	577	1083:22:08	100.00%
	74	I-95 SB beyond of SR 112	152	573	1065:26:07	100.00%
76	I-95 SB before Rickenbacker Cswy	32	221	748:01:57	100.00%	
I-95 Mainline Subtotal			2269	8605	15213:39:11	100.00%
I-95 Express	95X40	95X NB at NW 62nd St	140	443	954:57:25	99.98%
	95X45	95X NB at NW 125th St	174	628	1107:39:34	99.74%
	95XSB45	95X SB at NW 62nd St	142	518	942:58:49	99.31%
	95XSB50	95X SB at NW 125th St	117	419	776:58:58	99.83%
	095SB014.6-EL***	95X SB at Miami Gardens Dr	200	633	1192:11:19	N/A***
	095NB014.8-EL***	95X SB north of Miami Gardens Dr	62	320	823:56:50	N/A***
I-95 Express Subtotal			835	2961	5798:42:55	99.72%
SR 826	14	SR 826 NB beyond NW 122 St	80	433	776:42:32	99.44%
	4	SR 826 EB east of NW 67 Ave	115	613	1027:47:59	99.79%
	5	SR 826 EB east of NW 37 Ave	363	1376	1797:03:07	100.00%
	15*	SR 826 WB beyond NW 17 Ave	0	0	0:00:00	N/A*
	17	SR 826 WB beyond NW 47 Ave	97	519	851:08:34	100.00%
	19	SR 826 WB beyond NW 67 Ave	136	621	807:19:24	93.25%
	826NB58	SR 826 NB before NW 58 St	75	368	782:44:03	99.60%
	826SB58	SR 826 SB before NW 58 St	105	494	1022:49:40	100.00%
	826SB103****	SR 826 SB before NW 103 St	110	543	997:44:48	N/A****
	826NB1.3-LL	SR 826 NB before SW 72 St	92	380	922:32:31	99.88%
	826NB4.8-LL**	SR 826 NB at SW 24 St	182	547	1120:21:47	N/A**
826SB8.8-LL**	SR 826 SB at NW 36 St	148	580	1154:33:04	N/A**	
SR 826 Subtotal			1503	6474	11260:47:29	99.00%
I-75	43	I-75 NB before Miami Gardens Dr	42	363	1408:28:03	99.89%
	44	I-75 SB before Miami Gardens Dr	157	790	1174:16:54	99.51%
	42	I-75 SB ramp from NW 138 St	171	877	1202:29:41	100.00%
I-75 Subtotal			370	2030	3785:14:38	99.80%
I-195 Mainline	57	I-195 EB before North Miami Ave	33	224	752:12:40	99.46%
	105	I-195 WB before Alton Rd	225	876	1692:33:50	100.00%
I-195 Mainline Subtotal			258	1100	2444:46:30	99.73%
I-395	886WB	Port Blvd WB before US-1	259	926	1381:06:53	100.00%
	104	I-395 WB at Watson Island	330	1046	1372:37:35	93.51%
I-395 Subtotal			589	1972	2753:44:28	96.76%
Limited Access Facilities Subtotal			5824	23142	41256:55:11	99.38%

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	0	0	0:00:00	N/A***
	113***	Ives Dairy Rd WB before I-95	0	0	0:00:00	N/A***
	110***	Miami Gardens Dr EB before I-95	0	0	0:00:00	N/A***
	111***	Miami Gardens Dr WB before I-95	0	0	0:00:00	N/A***
	112	NW 103 St EB before I-95	225	849	995:43:10	98.95%
	106	NW 79 St EB before I-95	215	732	970:31:29	99.24%
	107	NW 54 St EB before I-95	258	848	1123:55:57	99.34%
	108	SW 8 St EB before I-95	199	679	1017:31:13	99.17%
I-95 Arterial Subtotal			897	3108	4107:41:49	99.18%
Golden Glades Interchange	6***	SR 826 WB west of NE 2nd Ave	369	1331	1762:29:23	N/A***
	7	Turnpike SB to Golden Glades	349	1290	1691:23:48	99.48%
	9	US-441 NB at TRI-Rail	122	536	1005:37:57	100.00%
	10	SR 9 NB before Park & Ride	119	527	1001:06:00	99.89%
	8	US-441 SB at NW 179 St	274	1062	1561:47:32	99.48%
Golden Glades Interchange Subtotal			1233	4746	7022:24:40	99.71%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	160	491	1026:41:02	100.00%
	SW24WB	SW 24 St WB before SR 826	160	491	1026:40:57	100.00%
	SW40EB	SW 40 St EB before SR 826	124	454	987:35:29	100.00%
	SW40WB	SW 40 St WB before SR 826	126	456	992:08:21	100.00%
	SW56EB	SW 56 St EB before SR 826	95	394	922:58:18	100.00%
	SW56WB	SW 56 St WB before SR 826	95	394	922:58:24	100.00%
	SW72EB	SW 72 St EB before SR 826	84	369	899:35:23	100.00%
	SW72WB	SW 72 St WB before SR 826	85	370	903:21:36	100.00%
	WFLAGLEREB**	W Flagler ST EB before SR 826	1	3	2:15:04	N/A**
	WFLAGLERWB**	W Flagler ST WB before SR 826	1	3	2:15:03	N/A**
SR 826 Arterial Subtotal			931	3425	7686:29:37	100.00%
I-195 Arterial	38	Alton Rd SB before I-195	142	519	874:26:01	100.00%
	39	Arthur Godfrey WB before I-195	139	516	869:37:15	100.00%
	40	Alton Rd NB before I-195	140	517	872:00:01	100.00%
I-195 Arterial Subtotal			421	1552	2616:03:17	100.00%
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	190	631	1035:28:29	100.00%
	45	US-1 SB before SW 80 St	43	272	779:24:00	99.58%
	47	US-1 SB at Florida's Turnpike	29	215	746:43:30	99.41%
	46	US-1 NB before Killian Dr	65	310	810:53:04	99.45%
	48	US-1 NB at Florida's Turnpike	32	222	750:56:48	99.55%
US-1 in Miami-Dade County Subtotal			359	1650	4123:25:51	99.60%

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	32	229	764:13:46	99.65%
	64	US-1 NB at Mile Marker 106	20	125	449:02:51	74.06%
	66	US-1 NB at Mile Marker 91.5	30	217	753:39:18	99.58%
	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	33	363	1471:33:14	99.77%
	61	US-1 SB at Mile Marker 126	36	352	1491:08:48	100.00%
	63	US-1 SB at Mile Marker 113	31	223	755:00:48	86.08%
	65	US-1 SB at Mile Marker 106	30	238	774:50:05	92.61%
	67	US-1 SB at Mile Marker 91.5	31	239	853:01:12	99.72%
	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	21	196	735:31:12	99.92%
US-1 South of Florida City Subtotal			264	2182	8048:01:14	94.60%
Arterials Subtotal			4105	16663	33604:06:28	98.33%
Limited Access Facilities Subtotal			5824	23142	41256:55:11	99.38%
Grand Total			9929	39805	74861:01:39	98.80%

*DMS 15, 68, and 69 were 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.

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

*** DMS 2, 3, 6, 109, 110, 111, 113, FLD6DOT095NB013.5-LL, FLD6DOT095SB014.6-EL, and FLD6DOT095NB014.8-EL are operational and are under the Express Lanes Phase 2 Contractor; thus, system availability is not measured for these devices.

****DMS 826SBNW103ST01 is under the SR-826/I-75 Express Lanes Contractor and is undergoing testing for Capital Improvement; thus, system availability is not measured for this device.

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			352	150	341	112	43	54	24	81	96	51	180	288
Safety Messaging			0	0	0	0	0	0	0	0	0	0	0	0
District 6	Miami-Dade	I-95	3,776	648	910	19	474	739	2,120	1,998	2	929	261	
	Miami-Dade	Express Lanes	1,118	662	356	0	0	220	3	944	0	0	87	0
	Miami-Dade	I-195	68	0	0	0	73	32	62	4	0	144	5	0
	Miami-Dade	I-395	28	6	0	0		70	17	0	0		9	0
	Miami-Dade	MacArthur Causeway	36	2	0	0	1	21	4	0	0		2	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	158	73	2,263	1,021	0	10	47	355	1,602	0	115	0
	Miami-Dade	I-75	0	0	156	220	0	0	0		0	0	0	0
	Miami-Dade	US-1	19		15	0		1	10	0	144		91	33
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	288
	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	2	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	1,825	931	1,785	585	335	325	375	808	1,302	288	818	1,573
Monroe	OTHER													
MDX	Miami-Dade	SR-836	626	101	378	2	90	397	207	0	249	59	42	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	262	83	0	0	84	103	110	3	0	81	12	0
	Miami-Dade	SR-874	0	0	10	0	0	0	0	0	30	0	7	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	13	0
	Miami-Dade	SR-924	0	0	55	40	0	0	0	0	0	0	0	0
District 4	Broward	I-95	257	261	134	0	0	0	102	503	0	0	0	0
	Broward	I-75	0	0	53	31	0	0	0			0	0	0
	Broward	I-595	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	48	28	18	0	0	0	27	48	0	0	0	0
	Miami-Dade	Floridas Turnpike Spur	0	0	0	0	0	0	0	0	0	0	0	0
	Broward	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	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
Port	Miami-Dade	Port Miami Tunnel	32	16	0	0	0	0	0	0	0	8	0	
Subtotal of On Route			3,776	662	2,263	220	73	70	2,120	1,998	1,602	144	91	288
Subtotal of Off Route			4,829	2,299	4,211	1,810	1,027	1,902	988	2,748	1,823	1,408	1,559	1,894
Total District 6			7,380	2,472	5,826	1,957	926	1,472	2,662	4,192	3,146	1,412	1,568	2,182
Other Agencies			1,225	489	648	73	174	500	446	554	279	140	82	0
Total			8,605	2,961	6,474	2,030	1,100	1,972	3,108	4,746	3,425	1,552	1,650	2,182

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

