



JULY 2010
DMS Usage Report



Summary of Monthly Operations

In the month of July there were 3,786 messages posted with 2,430 DMS activations for 532 events. The DMS efficiency was 99.81% (531 of the 532 signable events had a DMS messages posted). There was an average of 4.57 DMSs activated per each signable event and an average of 1.56 DMS messages were posted per each DMS activation. This resulted in an average of 7.12 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 message does not function properly at this time.

Summary of Average Monthly Operations

- $$\frac{2430 \text{ DMS Activations}}{532 \text{ Events}} = \mathbf{4.57} \text{ Average DMS Activations per Event}$$

An average of 5.60 DMSs were activated per each signable event

- $$\frac{3786 \text{ DMS Messages}}{2430 \text{ DMS Activations}} = \mathbf{1.56} \text{ Average DMS Messages per Activation}$$

An average of 1.56 DMS messages were posted per each DMS activation

- $$4.57 \frac{\text{DMS Activations}}{\text{Events}} \times 1.56 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \mathbf{7.12^*} \text{ DMS Messages per Event}$$

An average of 7.12 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	299
Florida's Turnpike Enterprise	0
Miami-Dade Expressway Authority	354
Total	653

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	2306
Other Districts' Incidents	362
Construction	681
Safety	45
Vehicle Alert	392
Total	3786

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Table 3a DMS Usage by Roadway (Limited Access Facilities)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
I-95 Mainline	1*	NB I-95 n/ of NW 103 ST	0	0	0:00	N/A
	22*	NB I-95 s/ of NW 62 ST	77	120	102:45	N/A
	75	NB I-95 s/ of SR 112	93	130	144:57	98.79%
	77	NB I-95 n/ of SW 8 ST	98	142	165:10	100.00%
	2*	SB I-95 n/ Ives Dairy RD	34	46	36:11	N/A
	3*	SB I-95 n/ of Miami Gardens DR	17	28	19:28	N/A
	20*	SB I_95 s/ of NW 119 ST	51	81	84:39	N/A
	21*	SB I-95 s/ of NW 62 ST	46	60	100:58	N/A
	74	SB I_95 s/ of SR 112	40	59	59:31	99.98%
	76	SB I-95 n/ of Rickenbacker CSWY	6	9	4:23	98.36%
I-95 Mainline Subtotal			462	675	718:06	99.28%
I-95 Express	95X40	NB 95X at NW 62nd St	31	48	29:49	17.13%
	95X45	NB 95X at NW 125th St	38	62	43:12	99.21%
	95XSB45	SB 95X at NW 62nd St	23	34	37:28	100.00%
	95XSB50	SB 95X at NW 125th St	17	22	10:16	98.68%
I-95 Express Subtotal			109	166	120:46	78.76%
SR-826	14	NB SR 826 n/ of NW 122 ST	42	79	304:29	100.00%
	4*	EB SR 826 e/ of NW 67 AVE	24	44	19:34	N/A
	5*	EB SR 826 e/ of NW 37 AVE	52	84	65:18	N/A
	15	WB SR 826 w/ of NW 17 AVE	15	25	18:24	99.06%
	17	WB SR 826 w/ of NW 47 AVE	28	56	245:23	100.00%
	19	WB SR 826 w/ of NW 67 AVE	41	77	407:54	100.00%
	826NB58	NB SR 826 s/ of NW 58 ST	40	69	241:01	100.00%
	826SB58	SB SR 826 n/ of NW 58 ST	79	113	884:07	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	65	100	841:50	100.00%
SR-826 Subtotal			386	647	3028:04	99.87%
I-75	43	NB I-75 s/ of Miami Gardens DR	24	37	88:08	100.00%
	44	SB I-75 s/ of Miami Gardens DR	44	70	170:46	100.00%
	42	SB I-75 s/ of NW 138 ST	58	93	213:36	100.00%
I-75 Subtotal			126	200	472:31	100.00%
I-195 Mainline	57	EB I-195 w/ of North Miami AVE	14	22	40:24	100.00%
	103	EB SR 112 e/ of Toll Plaza	85	124	67:43	100.00%
	105	WB I-195 e/ of Alton RD	66	95	122:08	95.62%
I-195 Mainline Subtotal			165	241	230:15	98.54%
I-395	886WB	Port Blvd WB before US-1	67	97	122:33	100.00%
	104	WB I-395 @ Watson Island	98	141	176:14	99.88%
I-395 Subtotal			165	238	298:47	99.94%
Limited Access Facilities Subtotal			1413	2167	4868:32	96.06%

* DMS 1-10, and 20-23 are undergoing testing and are used periodically. System availability is not measured for these devices.

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Table 3b DMS Usage by Roadway (Arterials)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
I-95 Arterial	109	EB Ives Dairy RD W/ of I-95	15	21	10:30	36.33%
	113	WB Ives Dairy RD e/ of I-95	5	5	3:40	9.62%
	110	EB Miami Gardens DR w/ of I-95	57	96	42:12	100.00%
	111	WB Miami Gardens DR e/ of I-95	0	0	0:00	0.00%
	112	EB NW 103 ST w/ of I-95	73	110	90:09	96.57%
	106	EB NW 79 ST w/ of I-95	66	95	90:49	96.28%
	107	EB NW 54 ST w/ of I-95	80	108	112:57	100.00%
	108	EB SW 8 ST w/ of I-95	58	78	108:40	100.00%
I-95 Arterial Subtotal			354	513	458:59	67.35%
Golden Glades Interchange	6*	WB SR 826 w/ of NE 2nd AVE	89	141	71:25	N/A
	7*	SB Turnpike to the Golden Glades	72	110	61:20	N/A
	9*	NB US-441@TRI-Rail	38	68	157:24	N/A
	10*	NB SR 9 @ the Detention Center	35	63	154:15	N/A
	8*	SB US-441 @NW 179 ST	71	120	65:10	N/A
Golden Glades Interchange Subtotal			305	502	509:36	N/A
I-195 Arterial	38	SB Alton RD to WB I-195	32	44	60:52	100.00%
	39	WB 41 ST to WB I-195	28	39	45:52	99.98%
	40	NB Alton RD to WB I-195	31	44	56:45	100.00%
I-195 Arterial Subtotal			91	127	163:30	99.99%
US 1 in Miami-Dade County	23*	NB US-1 n/ of SW 17 AVE	26	35	22:35	N/A
	45	SB US 1 @ SW 62 AVE & 80 ST	30	53	702:54	100.00%
	47	SB US 1 @ TURNPIKE SB	1	2	0:54	100.00%
	46	NB US 1 @ Killian DR	74	115	405:21	98.53%
	48	NB US 1 @ TURNPIKE NB	3	7	3:30	100.00%
US 1 in Miami-Dade County Subtotal			134	212	1135:16	99.63%
US 1 South of Florida City	62	NB US-1 @ Florida City	1	2	0:54	74.73%
	64	NB US_1 @ Mile Marker 106	18	30	53:05	99.28%
	66	NB US_1 @ Mile Marker 91.5	14	28	126:48	100.00%
	68	NB US_1 @ Mile Marker 39.5	25	41	143:47	95.19%
	71	NB US_1 @ Mile Marker 7.5	14	29	122:58	99.67%
	61	SB US-1 @ Florida City	8	20	90:54	100.00%
	63	SB US-1 @ Mile Marker 113	10	29	133:02	100.00%
	65	SB US-1 @ Mile Marker 106	23	49	172:22	99.28%
	67	SB US-1 @ Mile Marker 91.5	5	13	45:13	100.00%
	69	SB US-1 @ Mile Marker 39.5	14	22	40:14	99.25%
	70	SB US-1 @ Mile Marker 7.5	1	2	0:54	100.00%
US 1 South of Florida City Subtotal			133	265	930:15	97.04%
Arterials Subtotal			1017	1619	3197:38:40	91.00%
Limited Access Facilities Subtotal			1413	2167	4868:32	96.06%
Grand Total			2430	3786	8066:11	92.07%

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Table 4 Number of Messages by Roadway

Sign For Events On	DMS Located Along								
	I-95** Mainline	Golden Glades	I-95 Arterial	SR-826	I-75	I-195	I-395	US 1 in Miami-Dade County	US 1 South of Florida City
Vehicle Alert*	60	10	0	85	44	47	4	46	96
Safety Messaging*	0	0	0	22	0	0	0	11	12
I-95**	556	311	359	45	0	225	149	30	0
I-75	0	0	0	56	3	0	0	0	0
I-195	2	0	1	0	0	55	0	0	0
I-395	17	0	9	0	0	4	26	3	0
SR 826	30	90	8	311	116	0	0	83	0
M-CSWY	0	0	0	0	0	0	4	0	0
US 1 in Miami-Dade County	11	0	9	0	0	2	4	20	0
US 1 South of Florida City	0	0	0	0	0	0	0	0	157
MDX	SR 112	44	0	25	0	0	34	15	0
	SR 836	59	0	22	44	0	1	36	7
	SR 874	0	0	0	11	0	0	0	6
	SR 878	0	0	0	0	0	0	0	6
	SR 924	0	0	0	23	21	0	0	0
District 4	62	91	80	50	16	0	0	0	0
Florida's Turnpike	0	0	0	0	0	0	0	0	0
Subtotal of On Route	556	311	359	311	3	55	26	20	157
Subtotal of Off Route	285	191	154	336	197	313	212	192	108
Total District 6	676	411	386	519	163	333	187	193	265
Other Agencies	165	91	127	128	37	35	51	19	0
Total	841	502	513	647	200	368	238	212	265

Note: *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

** Includes I-95 Express Lanes

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