



MARCH 2010
DMS Usage Report



Summary of Monthly Operations

In the month of March there were 4,247 messages posted with 2,693 DMS activations for 593 events. The DMS efficiency was 99.7% (593 of the 595 signable events had a DMS messages posted). There was an average of 4.54 DMSs were activated per each signable event and an average of 1.58 DMS messages were posted per each DMS activation. This resulted in an average of 7.16 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. Also, SunGuide Software experienced downtime due to database upgrade in March.

Summary of Average Monthly Operations

- $\frac{2693 \text{ DMS Activations}}{593 \text{ Events}} = \mathbf{4.54}$ Average DMS Activations per Event

An average of 4.54 DMSs were activated per each signable event

- $\frac{4247 \text{ DMS Messages}}{2693 \text{ DMS Activations}} = \mathbf{1.58}$ Average DMS Messages per Activation

An average of 1.58 DMS messages were posted per each DMS activation

- $4.54 \frac{\text{DMS Activations}}{\text{Events}} \times 1.58 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \mathbf{7.16^*}$ DMS Messages per Event

An average of 7.16 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	123
Florida's Turnpike Enterprise	0
Miami-Dade Expressway Authority	287
Total	410

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	1876
Other Districts' Incidents	190
Construction	1772
Safety	224
Vehicle Alert	185
Total	4247

MARCH 2010
DMS Usage Report for Operations

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	49	99	139:15	98.20%
	22	NB I-95 s/ of NW 62 ST	48	66	102:57	100.00%
	75	NB 1-95 s/ of SR 112	132	202	1161:42	95.48%
	77	NB I-95 n/ of SW 8 ST	136	192	1093:32	100.00%
	2	SB I-95 n/ Ives Dairy RD	99	139	400:06	93.78%
	3	SB I-95 n/ of Miami Gardens DR	115	165	453:25	100.00%
	20	SB I_95 s/ of NW 119 ST	63	85	213:47	100.00%
	21	SB I-95 s/ of NW 62 ST	54	74	163:46	100.00%
	74	SB I_95 s/ of SR 112	25	32	49:07	100.00%
	76	SB I-95 n/ of Rickenbacker CSWY	5	8	11:51	83.89%
I-95 Mainline Subtotal			726	1062	3789:33	97.14%
I-95 Express	95X40	NB 95X at NW 62nd St	17	21	24:58	99.85%
	95X45	NB 95X at NW 125th St	23	32	37:20	100.00%
	95XSB45	SB 95X at NW 62nd St	23	35	60:54	99.79%
	95XSB50	SB 95X at NW 125th St	3	5	2:49	99.82%
I-95 Express Subtotal			66	93	126:02	99.87%
SR-826	14	NB SR 826 n/ of NW 122 ST	37	92	293:33	100.00%
	4*	EB SR 826 e/ of NW 67 AVE	0	0	0:00	N/A
	5	EB SR 826 e/ of NW 37 AVE	91	114	365:41	89.26%
	15	WB SR 826 w/ of NW 17 AVE	15	34	21:04	100.00%
	17	WB SR 826 w/ of NW 47 AVE	31	66	125:38	93.02%
	19	WB SR 826 w/ of NW 67 AVE	49	101	261:04	100.00%
	826NB58	NB SR 826 s/ of NW 58 ST	35	89	302:57	100.00%
	826SB58	SB SR 826 n/ of NW 58 ST	59	122	221:05	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	48	111	193:03	100.00%
SR-826 Subtotal			365	729	1784:09	97.79%
I-75	43	NB I-75 s/ of Miami Gardens DR	14	20	30:38	100.00%
	44	SB I-75 s/ of Miami Gardens DR	54	102	262:23	100.00%
	42	SB I-75 s/ of NW 138 ST	69	128	293:35	100.00%
I-75 Subtotal			137	250	586:38	100.00%
I-195 Mainline	57	EB I-195 w/ of North Miami AVE	12	44	109:58	100.00%
	103	EB SR 112 e/ of Toll Plaza	125	160	724:16	100.00%
	105	WB I-195 e/ of Alton RD	66	123	353:07	100.00%
I-195 Mainline Subtotal			203	327	1187:22	100.00%
I-395	886WB	Port Blvd WB before US-1	87	124	354:55	100.00%
	104	WB I-395 @ Watson Island	128	172	610:14	100.00%
I-395 Subtotal			215	296	965:09	100.00%
Limited Access Facilities Subtotal			1712	2757	8438:56	99.13%

* DMS 4, 8, 9, and 10 non-operational, awaiting for capital improvement

MARCH 2010
DMS Usage Report for Operations

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	64	96	192:39	92.04%
	113	WB Ives Dairy RD e/ of I-95	71	105	217:18	98.91%
	110	EB Miami Gardens DR w/ of I-95	69	103	172:54	100.00%
	111	WB Miami Gardens DR e/ of I-95	69	101	173:28	100.00%
	112	EB NW 103 ST w/ of I-95	79	101	215:43	100.00%
	106	EB NW 79 ST w/ of I-95	79	110	232:16	100.00%
	107	EB NW 54 ST w/ of I-95	83	117	185:00	100.00%
	108	EB SW 8 ST w/ of I-95	85	115	333:55	100.00%
I-95 Arterial Subtotal			599	848	1723:16	98.87%
Golden Glades Interchange	6	WB SR 826 w/ of NE 2nd AVE	62	82	289:01	100.00%
	7	SB Turnpike to the Golden Glades	0	0	0:00	0.00%
	9*	NB US-441@TRI-Rail	0	0	0:00	N/A
	10*	NB SR 9 @ the Detention Center	0	0	0:00	N/A
	8*	SB US-441 @NW 179 ST	0	0	0:00	N/A
Golden Glades Interchange Subtotal			62	82	289:01	50.00%
I-195 Arterial	38	SB Alton RD to WB I-195	46	124	364:10	100.00%
	39	WB 41 ST to WB I-195	44	91	277:04	100.00%
	40	NB Alton RD to WB I-195	45	93	284:56	100.00%
I-195 Arterial Subtotal			135	308	926:11	100.00%
US 1 in Miami-Dade County	23	NB US-1 n/ of SW 17 AVE	51	66	190:58	98.16%
	45	SB US 1 @ SW 62 AVE & 80 ST	22	29	102:07	100.00%
	47	SB US 1 @ TURNPIKE SB	3	4	6:15	100.00%
	46	NB US 1 @ Killian DR	31	44	66:12	100.00%
	48	NB US 1 @ TURNPIKE NB	4	5	6:41	100.00%
US 1 in Miami-Dade County Subtotal			111	148	372:14	99.63%
US 1 South of Florida City	62	NB US-1 @ Florida City	2	3	6:46	99.60%
	64	NB US_1 @ Mile Marker 106	11	13	27:38	100.00%
	66	NB US_1 @ Mile Marker 91.5	6	9	13:32	96.20%
	68	NB US_1 @ Mile Marker 39.5	12	14	29:18	96.73%
	71	NB US_1 @ Mile Marker 7.5	6	11	11:46	100.00%
	61	SB US-1 @ Florida City	5	9	12:23	96.66%
	63	SB US-1 @ Mile Marker 113	4	6	8:17	98.01%
	65	SB US-1 @ Mile Marker 106	11	14	27:52	98.02%
	67	SB US-1 @ Mile Marker 91.5	4	7	12:02	96.20%
	69	SB US-1 @ Mile Marker 39.5	11	15	30:38	96.64%
	70	SB US-1 @ Mile Marker 7.5	2	3	10:02	100.00%
US 1 South of Florida City Subtotal			74	104	190:19	98.01%
Arterials Subtotal			981	1490	3501:04:08	89.30%
Limited Access Facilities Subtotal			1712	2757	8438:56	99.13%
Grand Total			2693	4247	11940:00	96.95%

* DMS 4, 8, 9, and 10 non-operational, awaiting for capital improvement

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*	30	0	8	34	22	23	1	23	44
Safety Messaging*	38	0	0	124	0	62	0	0	0
I-95**	903	72	667	89	0	190	247	54	0
I-75	0	0	0	20	33	0	0	0	0
I-195	7	0	6	0	0	313	4	0	0
I-395	37	0	24	0	0	0	19	7	0
SR 826	52	8	47	342	136	15	0	37	0
M-CSWY	0	0	0	0	0	0	12	0	0
US 1 in Miami-Dade County	1	0	1	0	0	0	0	25	2
US 1 South of Florida City	0	0	0	0	0	0	0	0	58
MDX	55	0	31	0	0	32	10	0	0
	5	0	0	0	0	0	3	0	0
	0	0	0	10	0	0	0	1	0
	0	0	0	0	0	0	0	1	0
	0	0	0	85	54	0	0	0	0
District 4	27	2	64	25	5	0	0	0	0
Florida's Turnpike	0	0	0	0	0	0	0	0	0
Subtotal of On Route	903	72	667	342	33	313	19	25	58
Subtotal of Off Route	252	10	181	387	217	322	277	123	46
Total District 6	1,068	80	753	609	191	603	283	146	104
Other Agencies	87	2	95	120	59	32	13	2	0
Total	1,155	82	848	729	250	635	296	148	104

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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DMS Messages by Time of Day

