



APRIL 2010
DMS Usage Report



Summary of Monthly Operations

In the month of April there were 3,421 messages posted with 2,202 DMS activations for 478 events. The DMS efficiency was 100% (478 of the 478 signable events had a DMS messages posted). There was an average of 4.61 DMSs activated per each signable event and an average of 1.55 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 Oracle upgrade in April.

Summary of Average Monthly Operations

2202 DMS Activations / 478 Events = 4.61 Average DMS Activations per Event

An average of 4.61 DMSs were activated per each signable event

3421 DMS Messages / 2202 DMS Activations = 1.55 Average DMS Messages per Activation

An average of 1.55 DMS messages were posted per each DMS activation

4.61 (DMS Activations / Events) x 1.55 (DMS Messages / DMS Activations) = 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

Table with 2 columns: Agency, Number of Messages. Rows include FDOT District 4 (56), Florida's Turnpike Enterprise (0), Miami-Dade Expressway Authority (277), and Total (333).

Table 2 DMS Usage by Event Type

Table with 2 columns: Event Type Message, Number of Messages. Rows include FDOT District 6 Incidents (1723), Other Districts' Incidents (159), Construction (884), Safety (562), Vehicle Alert (93), and Total (3421).

APRIL 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	50	67	170:12	94.50%
	22	NB I-95 s/ of NW 62 ST	54	85	334:54	100.00%
	75	NB 1-95 s/ of SR 112	83	106	493:49	99.54%
	77	NB I-95 n/ of SW 8 ST	90	126	652:25	98.91%
	2	SB I-95 n/ Ives Dairy RD	66	83	181:41	100.00%
	3	SB I-95 n/ of Miami Gardens DR	76	111	223:48	100.00%
	20	SB I_95 s/ of NW 119 ST	48	76	155:04	93.46%
	21	SB I-95 s/ of NW 62 ST	52	69	132:54	100.00%
	74	SB I_95 s/ of SR 112	30	53	112:56	100.00%
	76	SB I-95 n/ of Rickenbacker CSWY	6	13	16:21	72.34%
I-95 Mainline Subtotal			555	789	2474:09	95.88%
I-95 Express	95X40	NB 95X at NW 62nd St	19	37	170:39	99.59%
	95X45	NB 95X at NW 125th St	30	48	71:21	99.54%
	95XSB45	SB 95X at NW 62nd St	33	51	116:26	100.00%
	95XSB50	SB 95X at NW 125th St	18	34	76:34	100.00%
I-95 Express Subtotal			100	170	435:01	99.78%
SR-826	14	NB SR 826 n/ of NW 122 ST	32	57	90:57	100.00%
	4*	EB SR 826 e/ of NW 67 AVE	0	0	0:00	0.00%
	5	EB SR 826 e/ of NW 37 AVE	64	84	196:28	67.24%
	15	WB SR 826 w/ of NW 17 AVE	27	57	58:30	100.00%
	17	WB SR 826 w/ of NW 47 AVE	41	62	142:23	100.00%
	19	WB SR 826 w/ of NW 67 AVE	64	105	307:13	100.00%
	826NB58	NB SR 826 s/ of NW 58 ST	36	61	122:33	100.00%
	826SB58	SB SR 826 n/ of NW 58 ST	61	72	275:28	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	63	81	252:28	100.00%
SR-826 Subtotal			388	579	1446:03	95.91%
I-75	43	NB I-75 s/ of Miami Gardens DR	9	16	28:08	100.00%
	44	SB I-75 s/ of Miami Gardens DR	46	65	250:36	100.00%
	42	SB I-75 s/ of NW 138 ST	67	96	322:24	100.00%
I-75 Subtotal			122	177	601:08	100.00%
I-195 Mainline	57	EB I-195 w/ of North Miami AVE	13	26	79:16	100.00%
	103	EB SR 112 e/ of Toll Plaza	98	129	391:16	100.00%
	105	WB I-195 e/ of Alton RD	54	88	513:05	99.78%
I-195 Mainline Subtotal			165	243	983:39	99.93%
I-395	886WB	Port Blvd WB before US-1	47	74	361:07	100.00%
	104	WB I-395 @ Watson Island	71	97	441:28	100.00%
I-395 Subtotal			118	171	802:35	100.00%
Limited Access Facilities Subtotal			1448	2129	6742:38	98.58%

* DMS 4, 7, 8, 9, and 10 non-operational, waiting for capital improvement

APRIL 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	39	70	113:53	100.00%
	113	WB Ives Dairy RD e/ of I-95	39	70	109:59	100.00%
	110	EB Miami Gardens DR w/ of I-95	52	84	121:34	100.00%
	111	WB Miami Gardens DR e/ of I-95	48	78	106:39	100.00%
	112	EB NW 103 ST w/ of I-95	80	117	276:11	100.00%
	106	EB NW 79 ST w/ of I-95	85	125	393:28	99.50%
	107	EB NW 54 ST w/ of I-95	14	29	168:31	15.79%
	108	EB SW 8 ST w/ of I-95	40	75	340:07	83.08%
I-95 Arterial Subtotal			397	648	1630:24	87.30%
Golden Glades Interchange	6	WB SR 826 w/ of NE 2nd AVE	55	67	155:22	100.00%
	7*	SB Turnpike to the Golden Glades	0	0	0:00	N/A
	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			55	67	155:22	100.00%
I-195 Arterial	38	SB Alton RD to WB I-195	37	64	251:15	100.00%
	39	WB 41 ST to WB I-195	35	59	248:12	100.00%
	40	NB Alton RD to WB I-195	35	59	248:12	100.00%
I-195 Arterial Subtotal			107	182	747:40	100.00%
US 1 in Miami-Dade County	23	NB US-1 n/ of SW 17 AVE	47	69	201:19	100.00%
	45	SB US 1 @ SW 62 AVE & 80 ST	26	39	202:27	100.00%
	47	SB US 1 @ TURNPIKE SB	3	14	46:05	100.00%
	46	NB US 1 @ Killian DR	40	58	106:35	100.00%
	48	NB US 1 @ TURNPIKE NB	6	18	48:54	100.00%
US 1 in Miami-Dade County Subtotal			122	198	605:23	100.00%
US 1 South of Florida City	62	NB US-1 @ Florida City	4	14	45:24	99.53%
	64	NB US_1 @ Mile Marker 106	7	22	70:31	97.43%
	66	NB US_1 @ Mile Marker 91.5	5	19	53:48	100.00%
	68	NB US_1 @ Mile Marker 39.5	9	22	73:39	98.41%
	71	NB US_1 @ Mile Marker 7.5	8	22	56:22	100.00%
	61	SB US-1 @ Florida City	7	21	56:59	96.83%
	63	SB US-1 @ Mile Marker 113	6	17	49:32	97.80%
	65	SB US-1 @ Mile Marker 106	9	20	65:20	95.72%
	67	SB US-1 @ Mile Marker 91.5	8	19	48:57	100.00%
	69	SB US-1 @ Mile Marker 39.5	7	7	22:43	98.55%
	70	SB US-1 @ Mile Marker 7.5	3	14	46:05	100.00%
US 1 South of Florida City Subtotal			73	197	589:25	98.57%
Arterials Subtotal			754	1292	3728:16:39	87.17%
Limited Access Facilities Subtotal			1448	2129	6742:38	98.58%
Grand Total			2202	3421	10470:54	95.04%

* DMS 4, 7, 8, 9, and 10 non-operational, waiting for capital improvement

APRIL 2010
DMS Usage Report for Operations

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*	18	0	6	15	9	12	1	11	21	
Safety Messaging*	123	0	88	71	17	80	2	53	128	
I-95**	625	58	439	60	0	157	108	56	0	
I-75	0	0	0	30	11	0	0	0	0	
I-195	21	0	10	0	0	126	6	1	0	
I-395	36	0	11	1	0	23	15	6	0	
SR 826	40	7	40	331	113	1	2	37	0	
M-CSWY	0	0	0	0	0	0	2	0	0	
US 1 in Miami-Dade County	1	0	1	0	0	0	0	10	1	
US 1 South of Florida City	0	0	0	0	0	0	0	0	47	
MDX	SR 112	0	9	0	0	22	2	1	0	0
	SR 836	0	23	4	0	4	33	7	0	0
	SR 874	0	0	20	4	0	0	5	0	0
	SR 878	0	0	0	0	0	0	11	0	0
	SR 924	0	0	32	18	0	0	0	0	0
District 4	13	2	21	15	5	0	0	0	0	
Florida's Turnpike	0	0	0	0	0	0	0	0	0	
Subtotal of On Route	625	58	439	331	11	126	15	10	47	
Subtotal of Off Route	334	9	209	248	166	299	156	188	150	
Total District 6	864	65	595	508	150	399	136	174	197	
Other Agencies	95	2	53	71	27	26	35	24	0	
Total	959	67	648	579	177	425	171	198	197	

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

DMS Messages by Time of Day

