



OCTOBER 2010
DMS Usage Report



Summary of Monthly Operations

In the month of October, there were 4,728 messages posted with 3,008 DMS activations for 612 events. The DMS efficiency was 99.84% (611 of the 612 signable events had a DMS messages posted). There was an average of 4.92 DMSs activated per each signable event and an average of 1.57 DMS messages were posted per each DMS activation. This resulted in an average of 7.73 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

• $\frac{3008 \text{ DMS Activations}}{612 \text{ Events}} = \underline{4.92} \text{ Average DMS Activations per Event}$

An average of 5.02 DMSs were activated per each signable event

• $\frac{4728 \text{ DMS Messages}}{3008 \text{ DMS Activations}} = \underline{1.57} \text{ Average DMS Messages per Activation}$

An average of 1.57 DMS messages were posted per each DMS activation

• $4.92 \frac{\text{DMS Activations}}{\text{Events}} \times 1.57 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{7.73^*} \text{ DMS Messages per Event}$

An average of 7.73 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	423
Florida's Turnpike Enterprise	0
Miami-Dade Expressway Authority	500
Total	923

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	2517
Other Districts' Incidents	625
Construction	855
Safety	105
Vehicle Alert	626
Total	4728

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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	81	139	242:25	N/A
	22*	NB I-95 s/ of NW 62 ST	88	139	271:15	N/A
	75	NB I-95 s/ of SR 112	101	144	267:32	100.00%
	77	NB I-95 n/ of SW 8 ST	106	152	344:36	100.00%
	2*	SB I-95 n/ Ives Dairy RD	73	121	247:17	N/A
	3*	SB I-95 n/ of Miami Gardens DR	39	59	40:48	N/A
	20*	SB I-95 s/ of NW 119 ST	53	85	223:25	N/A
	21*	SB I-95 s/ of NW 62 ST	66	88	257:13	N/A
	74	SB I-95 s/ of SR 112	55	73	142:28	100.00%
	76	SB I-95 n/ of Rickenbacker CSWY	5	14	11:52	97.11%
I-95 Mainline Subtotal			667	1014	2048:55	99.28%
I-95 Express	95X40	NB 95X at NW 62nd St	29	57	180:01	100.00%
	95X45	NB 95X at NW 125th St	49	93	209:39	99.47%
	95XSB45	SB 95X at NW 62nd St	38	52	108:15	100.00%
	95XSB50	SB 95X at NW 125th St	16	24	10:12	99.47%
I-95 Express Subtotal			132	226	508:08	99.74%
SR-826	14	NB SR 826 n/ of NW 122 ST	40	70	100:02	100.00%
	4*	EB SR 826 e/ of NW 67 AVE	39	71	200:40	N/A
	5*	EB SR 826 e/ of NW 37 AVE	45	69	138:04	N/A
	15	WB SR 826 w/ of NW 17 AVE	13	23	55:32	43.05%
	17	WB SR 826 w/ of NW 47 AVE	39	68	161:13	100.00%
	19	WB SR 826 w/ of NW 67 AVE	50	86	198:24	100.00%
	826NB58	NB SR 826 s/ of NW 58 ST	35	65	104:52	100.00%
	826SB58	SB SR 826 n/ of NW 58 ST	110	148	300:21	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	100	133	251:24	100.00%
SR-826 Subtotal			471	733	1510:35	91.86%
I-75	43	NB I-75 s/ of Miami Gardens DR	13	25	60:32	100.00%
	44	SB I-75 s/ of Miami Gardens DR	59	86	198:05	100.00%
	42	SB I-75 s/ of NW 138 ST	72	111	254:07	100.00%
I-75 Subtotal			144	222	512:45	100.00%
I-195 Mainline	57	EB I-195 w/ of North Miami AVE	11	20	56:24	100.00%
	103	EB SR 112 e/ of Toll Plaza	102	130	128:39	100.00%
	105	WB I-195 e/ of Alton RD	70	99	288:44	100.00%
I-195 Mainline Subtotal			183	249	473:49	100.00%
I-395	886WB	Port Blvd WB before US-1	82	115	305:53	100.00%
	104	WB I-395 @ Watson Island	113	162	333:51	100.00%
I-395 Subtotal			195	277	639:45	100.00%
Limited Access Facilities Subtotal			1792	2721	5694:00	98.48%

* 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	35	59	25:56	59.09%
	113	WB Ives Dairy RD e/ of I-95	58	112	65:02	99.73%
	110	EB Miami Gardens DR w/ of I-95	73	133	60:11	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	88	117	63:03	99.31%
	106	EB NW 79 ST w/ of I-95	91	123	68:56	100.00%
	107	EB NW 54 ST w/ of I-95	106	140	120:03	100.00%
	108	EB SW 8 ST w/ of I-95	65	92	124:00	100.00%
I-95 Arterial Subtotal			516	776	527:14	82.27%
Golden Glades Interchange	6*	WB SR 826 w/ of NE 2nd AVE	104	177	248:54	N/A
	7*	SB Turnpike to the Golden Glades	80	122	75:11	N/A
	9*	NB US-441@TRI-Rail	46	108	954:36	N/A
	10*	NB SR 9 @ the Detention Center	74	150	970:26	N/A
	8*	SB US-441 @NW 179 ST	80	132	223:14	N/A
Golden Glades Interchange Subtotal			384	689	2472:23	N/A
I-195 Arterial	38	SB Alton RD to WB I-195	26	47	168:57	100.00%
	39	WB 41 ST to WB I-195	25	44	168:39	100.00%
	40	NB Alton RD to WB I-195	25	44	168:39	100.00%
I-195 Arterial Subtotal			76	135	506:16	100.00%
US 1 in Miami-Dade County	23*	NB US-1 n/ of SW 17 AVE	25	42	38:37	N/A
	45	SB US 1 @ SW 62 AVE & 80 ST	26	37	87:27	100.00%
	47	SB US 1 @ TURNPIKE SB	5	11	12:21	100.00%
	46	NB US 1 @ Killian DR	64	93	139:13	100.00%
	48	NB US 1 @ TURNPIKE NB	7	15	15:27	100.00%
US 1 in Miami-Dade County Subtotal			127	198	293:08	100.00%
US 1 South of Florida City	62	NB US-1 @ Florida City	4	10	11:48	100.00%
	64	NB US_1 @ Mile Marker 106	12	19	81:37	95.83%
	66	NB US_1 @ Mile Marker 91.5	10	23	64:58	99.04%
	68	NB US_1 @ Mile Marker 39.5	19	31	97:26	97.11%
	71	NB US_1 @ Mile Marker 7.5	11	24	65:34	98.56%
	61	SB US-1 @ Florida City	7	17	44:41	100.00%
	63	SB US-1 @ Mile Marker 113	10	18	34:46	100.00%
	65	SB US-1 @ Mile Marker 106	16	25	59:36	100.00%
	67	SB US-1 @ Mile Marker 91.5	7	10	13:00	98.21%
	69	SB US-1 @ Mile Marker 39.5	13	22	58:08	97.81%
	70	SB US-1 @ Mile Marker 7.5	4	10	11:13	92.23%
US 1 South of Florida City Subtotal			113	209	542:52	98.07%
Arterials Subtotal			1216	2007	4341:54	95.08%
Limited Access Facilities Subtotal			1792	2721	5694:00	98.48%
Grand Total			3008	4728	10035:54	95.43%

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

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*	130	36	48	95	48	71	9	64	125
Safety Messaging*	50	40	0	15	0	0	0	0	0
I-95**	709	402	506	48	0	222	146	29	0
I-75	0	0	0	51	10	0	0	0	0
I-195	0	0	0	0	0	12	0	0	0
I-395	24	0	11	0	0	7	38	1	0
SR 826	46	73	13	377	130	0	0	58	0
M-CSWY	8	0	0	0	0	0	13	0	0
US 1 in Miami-Dade County	5	0	4	0	0	0	2	21	1
US 1 South of Florida City	0	0	0	0	0	0	0	0	77
MDX	SR 112	104	0	34	0	0	60	30	0
	SR 836	45	0	23	60	0	7	37	11
	SR 874	0	0	0	14	0	0	0	5
	SR 878	0	0	0	0	0	0	0	6
	SR 924	0	0	0	34	30	0	0	0
District 4	117	138	130	35	3	0	0	0	0
Florida's Turnpike	0	0	0	0	0	0	0	0	0
Subtotal of On Route	709	402	506	377	10	12	38	21	77
Subtotal of Off Route	529	287	263	352	211	367	237	174	126
Total District 6	974	551	589	590	189	72	210	176	209
Other Agencies	266	138	187	143	33	67	67	22	0
Total	1,240	689	776	733	222	384	277	198	209

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

