



SEPTEMBER 2011
DMS Usage Report



Summary of Monthly Operations

In the month of September, there were 11,880 messages posted with 4,944 DMS activations for 874 events. The DMS efficiency was 99.89% (873 of the 874 signable events had a DMS messages posted). There was an average of 5.66 DMSs activated per each signable event and an average of 2.40 DMS messages were posted per each DMS activation. This resulted in an average of 13.59 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

- $$\frac{4944 \text{ DMS Activations}}{874 \text{ Events}} = \underline{5.66} \text{ Average DMS Activations per Event}$$

An average of 5.66 DMSs were activated per each signable event

- $$\frac{11880 \text{ DMS Messages}}{4944 \text{ DMS Activations}} = \underline{2.40} \text{ Average DMS Messages per Activation}$$

An average of 2.40 DMS messages were posted per each DMS activation

- $$5.66 \frac{\text{DMS Activations}}{\text{Events}} \times 2.40 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{13.59^*} \text{ DMS Messages per Event}$$

An average of 13.59 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	337
Florida's Turnpike Enterprise	50
Miami-Dade Expressway Authority	723
Total	1110

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	5560
Other Districts' Incidents	838
Construction	4308
Safety	613
Vehicle Alert	561
Total	11880

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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	89	184	435:39	100.00%
	22	NB I-95 s/ of NW 62 ST	97	197	473:02	100.00%
	75	NB I-95 s/ of SR 112	190	490	1171:47	100.00%
	77	NB I-95 n/ of SW 8 ST	204	570	1175:39	99.96%
	2	SB I-95 n/ Ives Dairy RD	127	230	263:59	100.00%
	3	SB I-95 n/ of Miami Gardens DR	138	284	435:28	100.00%
	20	SB I_95 s/ of NW 119 ST	79	338	847:54	100.00%
	21	SB I-95 s/ of NW 62 ST	113	416	919:05	100.00%
	74	SB I_95 s/ of SR 112	76	182	130:00	100.00%
	76	SB I-95 n/ of Rickenbacker CSWY	10	21	29:10	98.83%
I-95 Mainline Subtotal			1123	2912	5881:49	99.88%
I-95 Express	95X40	NB 95X at NW 62nd St	87	149	386:57	99.92%
	95X45	NB 95X at NW 125th St	81	160	397:55	100.00%
	95XSB45	SB 95X at NW 62nd St	86	189	386:57	100.00%
	95XSB50	SB 95X at NW 125th St	57	108	386:57	100.00%
I-95 Express Subtotal			311	606	1558:48	99.98%
SR 826	14	NB SR 826 n/ of NW 122 ST	53	101	129:09	99.65%
	4	EB SR 826 e/ of NW 67 AVE	55	127	257:28	100.00%
	5	EB SR 826 e/ of NW 37 AVE	165	343	544:04	100.00%
	15	WB SR 826 w/ of NW 17 AVE	25	44	96:36	100.00%
	17	WB SR 826 w/ of NW 47 AVE	44	73	254:00	100.00%
	19	WB SR 826 w/ of NW 67 AVE	56	108	305:31	100.00%
	826NB58	NB SR 826 s/ of NW 58 ST	42	66	136:08	100.00%
	826SB58	SB SR 826 n/ of NW 58 ST	133	203	406:14	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	124	193	365:59	100.00%
	SR 826 Subtotal			697	1258	2495:13
I-75	43	NB I-75 s/ of Miami Gardens DR	24	39	80:05	100.00%
	44	SB I-75 s/ of Miami Gardens DR	83	147	338:03	100.00%
	42	SB I-75 s/ of NW 138 ST	100	170	384:18	100.00%
I-75 Subtotal			207	356	802:27	100.00%
I-195 Mainline	57	EB I-195 w/ of North Miami AVE	37	249	805:25	100.00%
	103	EB SR 112 e/ of Toll Plaza	199	541	990:21	100.00%
	105	WB I-195 e/ of Alton RD	118	229	271:06	99.74%
I-195 Mainline Subtotal			354	1019	2066:53	99.91%
I-395	886WB	Port Blvd WB before US-1	113	236	243:21	100.00%
	104	WB I-395 @ Watson Island	173	261	243:07	100.00%
I-395 Subtotal			286	497	486:29	100.00%
Limited Access Facilities Subtotal			2978	6648	13291:42	99.96%

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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	64	186	226:00	97.76%
	113	WB Ives Dairy RD e/ of I-95	62	131	62:08	94.40%
	110	EB Miami Gardens DR w/ of I-95	80	210	238:20	99.92%
	111	WB Miami Gardens DR e/ of I-95	84	206	236:58	100.00%
	112	EB NW 103 ST w/ of I-95	117	393	870:55	98.58%
	106	EB NW 79 ST w/ of I-95	139	433	896:08	99.55%
	107	EB NW 54 ST w/ of I-95	155	469	947:00	99.84%
	108	EB SW 8 ST w/ of I-95	92	320	669:14	99.96%
<i>I-95 Arterial Subtotal</i>			793	2348	4146:47	98.75%
Golden Glades Interchange	6	WB SR 826 w/ of NE 2nd AVE	151	315	435:59	100.00%
	7	SB Turnpike to the Golden Glades	138	274	278:10	100.00%
	9	NB US-441@TRI-Rail	60	132	873:21	100.00%
	10	NB SR 9 @ the Detention Center	93	249	1065:20	100.00%
	8	SB US-441 @NW 179 ST	149	300	444:45	100.00%
<i>Golden Glades Interchange Subtotal</i>			591	1270	3097:37	100.00%
I-195 Arterial	38	SB Alton RD to WB I-195	71	142	153:44	100.00%
	39	WB 41 ST to WB I-195	65	131	153:21	100.00%
	40	NB Alton RD to WB I-195	68	139	153:02	100.00%
<i>I-195 Arterial Subtotal</i>			204	412	460:08	100.00%
US-1 in Miami-Dade County	23	NB US-1 n/ of SW 17 AVE	47	283	778:38	99.73%
	45	SB US-1 @ SW 62 AVE & 80 ST	35	64	98:28	100.00%
	47	SB US-1 @ TURNPIKE SB	8	25	33:07	100.00%
	46	NB US-1 @ Killian DR	127	410	1198:56	100.00%
	48	NB US-1 @ TURNPIKE NB	8	22	35:02	100.00%
<i>US-1 in Miami-Dade County Subtotal</i>			225	804	2144:12	99.95%
US-1 South of Florida City	62	NB US-1 @ Florida City	8	22	27:48	100.00%
	64	NB US-1 @ Mile Marker 106	21	43	225:26	99.05%
	66	NB US-1 @ Mile Marker 91.5	8	29	198:16	99.62%
	68	NB US-1 @ Mile Marker 39.5	25	62	257:37	99.55%
	71	NB US-1 @ Mile Marker 7.5	12	45	210:54	97.67%
	61	SB US-1 @ Florida City	4	11	4:59	12.38%
	63	SB US-1 @ Mile Marker 113	15	46	54:18	100.00%
	65	SB US-1 @ Mile Marker 106	23	51	82:04	71.50%
	67	SB US-1 @ Mile Marker 91.5	12	37	49:34	99.69%
	69	SB US-1 @ Mile Marker 39.5	19	34	71:39	100.00%
	70	SB US-1 @ Mile Marker 7.5	6	18	29:03	97.67%
<i>US-1 South of Florida City Subtotal</i>			153	398	1211:43	88.83%
<i>Arterials Subtotal</i>			1966	5232	11060:30	97.51%
<i>Limited Access Facilities Subtotal</i>			2978	6648	13291:42	99.96%
<i>Grand Total</i>			4944	11880	24352:12	97.86%

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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*	115	30	0	118	50	63	10	56	119	
Safety Messaging*	138	50	80	88	30	60	20	50	97	
I-95**	1,576	663	926	209	3	449	251	41	0	
I-75	1	0	0	37	20	0	0	0	0	
I-195	914	220	964	55	0	653	31	201	0	
I-395	218	69	78	36	0	51	44	34	0	
SR 826	47	87	36	554	215	0	0	270	0	
M-CSWY	208	0	4	0	0	58	60	1	0	
US-1 in Miami-Dade County	7	0	3	0	0	0	0	116	3	
US-1 South of Florida City	0	0	0	0	0	0	0	8	175	
MDX	SR 112	143	8	85	0	0	72	25	2	0
	SR 836	76	1	42	62	10	25	56	11	0
	SR 874	2	0	1	43	6	0	0	8	0
	SR 878	0	0	0	0	0	0	0	6	0
	SR 924	0	0	0	21	18	0	0	0	0
District 4	51	127	125	30	4	0	0	0	0	
Florida's Turnpike	22	15	4	5	0	0	0	0	4	
Subtotal of On Route	1,576	663	926	554	20	653	44	116	175	
Subtotal of Off Route	1,942	607	1,422	704	336	778	453	688	223	
Total District 6	3,224	1,119	2,091	1,097	318	1,334	416	777	394	
Other Agencies	294	151	257	161	38	97	81	27	4	
Total	3,518	1,270	2,348	1,258	356	1,431	497	804	398	

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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