DMS Usage Report – January 2012

Summary of Monthly Operations

In the month of January, there were 9,550 messages posted with 5,358 DMS activations for 956 events. The DMS efficiency was 99.69% (953 of the 956 signable events had a DMS messages posted). There was an average of 5.60 DMSs activated per each signable event and an average of 1.78 DMS messages were posted per each DMS activation. This resulted in an average of 9.99 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

- $\frac{5358\ DMS\ Activations}{956\ Events} =$ **5.60** *Average DMS Activations per Event*

  An average of 5.60 DMSs were activated per each signable event

- $\frac{9550\ DMS\ Messages}{5358\ DMS\ Activations} =$ **1.78** *Average DMS Messages per Activation*

  An average of 1.78 DMS messages were posted per each DMS activation

- $5.60 \frac{DMS\ Activations}{Events} \times 1.78 \frac{DMS\ Messages}{DMS\ Activations} =$ **9.99*** *DMS Messages per Event*

  An average of 9.99 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	340
Florida's Turnpike Enterprise	46
Miami-Dade Expressway Authority	470
Total	**856**

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	5558
Other Districts' Incidents	690
Construction	2921
Safety	0
Vehicle Alert	381
Total	**9550**

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	104	187	219:08	100.00%
	22	NB I-95 s/ of NW 62 ST	95	163	180:47	100.00%
	75	NB 1-95 s/ of SR 112	166	242	227:57	98.27%
	77	NB I-95 n/ of SW 8 ST	165	243	220:44	96.48%
	2	SB I-95 n/ Ives Dairy RD	164	249	175:48	100.00%
	3	SB I-95 n/ of Miami Gardens DR	174	264	160:11	100.00%
	20	SB I_95 s/ of NW 119 ST	81	160	148:30	100.00%
	21	SB I-95 s/ of NW 62 ST	105	199	165:22	100.00%
	74	SB I_95 s/ of SR 112	65	124	65:36	100.00%
	76	SB I-95 n/ of Rickenbacker CSWY	12	17	16:59	99.08%
		I-95 Mainline Subtotal	***1131***	***1848***	***1581:08***	***99.38%***
I-95 Express	95X40	NB 95X at NW 62nd St	85	143	131:08	100.00%
	95X45	NB 95X at NW 125th St	90	160	193:10	100.00%
	95XSB45	SB 95X at NW 62nd St	80	139	131:08	100.00%
	95XSB50	SB 95X at NW 125th St	69	97	131:08	100.00%
		I-95 Express Subtotal	***324***	***539***	***586:36***	***100.00%***
SR 826	14	NB SR 826 n/ of NW 122 ST	38	78	40:53	99.92%
	4	EB SR 826 e/ of NW 67 AVE	42	86	36:57	100.00%
	5	EB SR 826 e/ of NW 37 AVE	182	272	155:40	100.00%
	15	WB SR 826 w/ of NW 17 AVE	73	159	391:28	100.00%
	17	WB SR 826 w/ of NW 47 AVE	88	173	415:26	N/A
	19	WB SR 826 w/ of NW 67 AVE	100	207	467:05	100.00%
	826NB58	NB SR 826 s/ of NW 58 ST	48	93	70:19	100.00%
	826SB58	SB SR 826 n/ of NW 58 ST	169	308	595:21	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	164	295	559:51	99.91%
		SR 826 Subtotal	***904***	***1671***	***2733:06***	***99.98%***
I-75	43	NB I-75 s/ of Miami Gardens DR	19	27	62:55	99.81%
	44	SB I-75 s/ of Miami Gardens DR	112	238	485:47	99.81%
	42	SB I-75 s/ of NW 138 ST	126	256	524:07	99.81%
		I-75 Subtotal	***257***	***521***	***1072:50***	***99.81%***
I-195 Mainline	57	EB I-195 w/ of North Miami AVE	33	350	855:56	100.00%
	103	EB SR 112 e/ of Toll Plaza	206	317	454:53	99.79%
	105	WB I-195 e/ of Alton RD	132	245	382:24	99.62%
		I-195 Mainline Subtotal	***371***	***912***	***1693:14***	***99.80%***
I-395	886WB	Port Blvd WB before US-1	103	161	153:06	100.00%
	104	WB I-395 @ Watson Island	159	236	178:58	100.00%
		I-395 Subtotal	***262***	***397***	***332:04***	***100.00%***
		Limited Access Facilities Subtotal	***3249***	***5888***	***7999:01***	***99.83%***

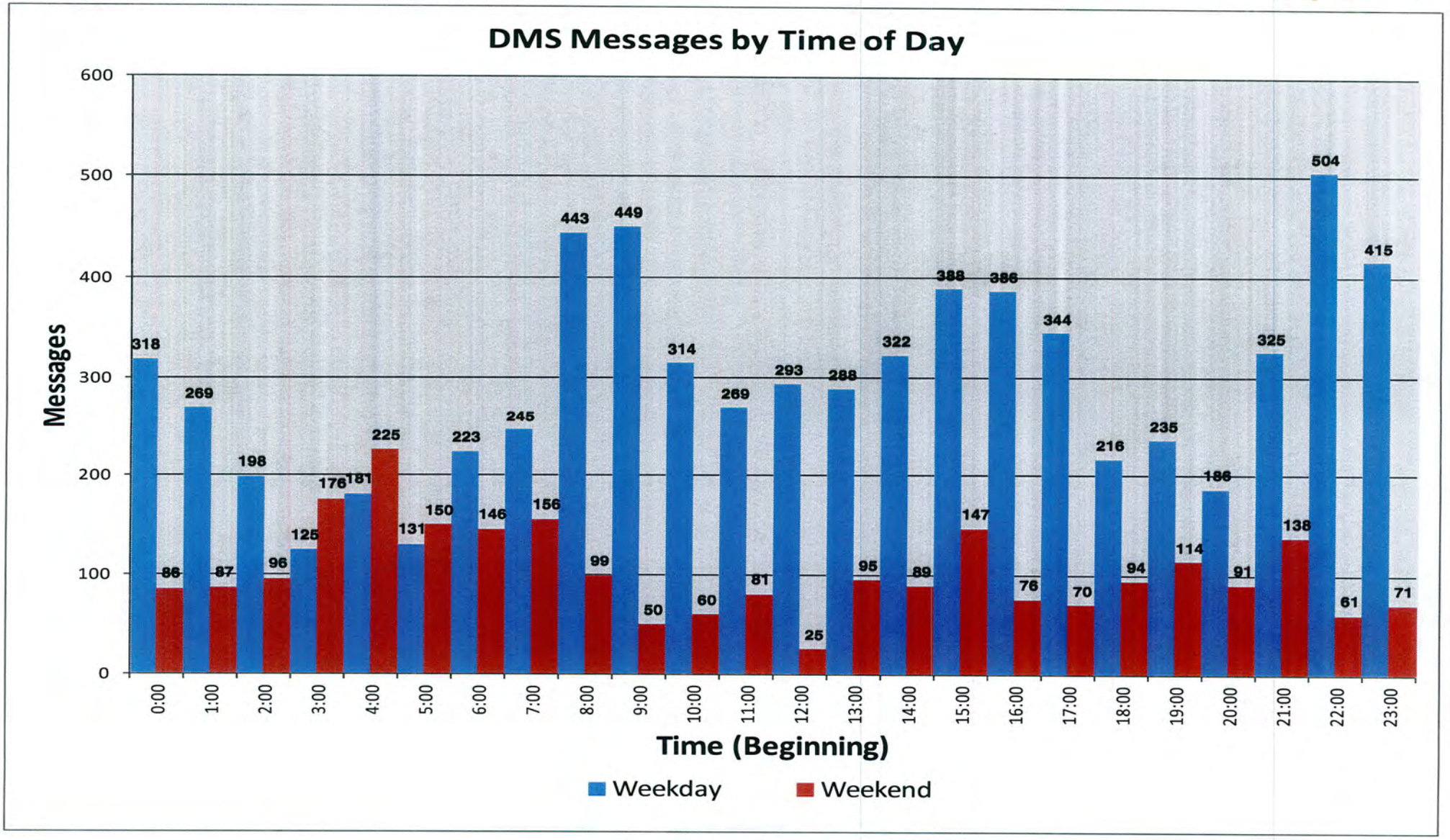
Table 3b DMS Usage by Roadway (*Arterials*)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
I-95 Arterial	109	EB Ives Dairy RD W/ of I-95	95	147	116:40	100.00%
	113	WB Ives Dairy RD e/ of I-95	92	143	115:31	100.00%
	110	EB Miami Gardens DR w/ of I-95	106	172	97:37	100.00%
	111	WB Miami Gardens DR e/ of I-95	109	181	101:39	99.90%
	112	EB NW 103 ST w/ of I-95	76	149	140:15	59.68%
	106	EB NW 79 ST w/ of I-95	142	276	240:52	99.17%
	107	EB NW 54 ST w/ of I-95	164	298	254:27	100.00%
	108	EB SW 8 ST w/ of I-95	82	137	159:07	99.63%
		I-95 Arterial Subtotal	***866***	***1503***	***1226:13***	***94.80%***
Golden Glades Interchange	6	WB SR 826 w/ of NE 2nd AVE	183	287	190:19	98.82%
	7	SB Turnpike to the Golden Glades	171	267	170:27	100.00%
	9	NB US-441@TRI-Rail	63	105	126:06	100.00%
	10	NB SR 9 @ the Detention Center	115	202	175:54	100.00%
	8	SB US-441 @NW 179 ST	172	268	186:23	100.00%
		Golden Glades Interchange Subtotal	***704***	***1129***	***849:11***	***99.76%***
I-195 Arterial	38	SB Alton RD to WB I-195	66	132	281:45	100.00%
	39	WB 41 ST to WB I-195	66	130	281:33	100.00%
	40	NB Alton RD to WB I-195	66	131	281:43	98.87%
		I-195 Arterial Subtotal	***198***	***393***	***845:02***	***99.62%***
US-1 in Miami-Dade County	23	NB US-1 n/ of SW 17 AVE	50	93	110:30	100.00%
	45	SB US-1 @ SW 62 AVE & 80 ST	46	67	131:08	100.00%
	47	SB US-1 @ TURNPIKE SB	6	8	14:06	100.00%
	46	NB US-1 @ Killian DR	100	200	298:26	100.00%
	48	NB US-1 @ TURNPIKE NB	6	12	23:43	100.00%
		US-1 in Miami-Dade County Subtotal	***208***	***380***	***577:54***	***100.00%***
US-1 South of Florida City	62	NB US-1 @ Florida City	4	8	8:15	100.00%
	64	NB US-1 @ Mile Marker 106	12	17	44:01	100.00%
	66	NB US-1 @ Mile Marker 91.5	4	12	9:35	100.00%
	68	NB US-1 @ Mile Marker 39.5	21	44	52:38	97.39%
	71	NB US-1 @ Mile Marker 7.5	17	37	19:30	100.00%
	61	SB US-1 @ Florida City	6	14	5:12	N/A
	63	SB US-1 @ Mile Marker 113	14	29	17:15	99.75%
	65	SB US-1 @ Mile Marker 106	24	43	54:26	99.81%
	67	SB US-1 @ Mile Marker 91.5	13	23	14:59	99.91%
	69	SB US-1 @ Mile Marker 39.5	15	24	46:42	96.27%
	70	SB US-1 @ Mile Marker 7.5	3	6	7:35	99.30%
		US-1 South of Florida City Subtotal	***133***	***257***	***280:12***	***99.24%***
		Arterials Subtotal	***2109***	***3662***	***3778:34***	***98.69%***
		Limited Access Facilities Subtotal	***3249***	***5888***	***7999:01***	***99.83%***
		Grand Total	***5358***	***9550***	***11777:36***	***99.03%***

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*		70	15	0	82	37	46	6	41	84
Safety Messaging*		0	0	0	0	0	0	0	0	0
I-95**		1,676	774	1,053	220	0	428	253	51	0
I-75		0	0	0	46	41	0	0	0	0
I-195		110	8	95	0	0	707	22	19	0
I-395		80	16	51	1	0	37	36	14	0
SR 826		131	194	104	1,177	437	1	0	163	0
M-CSWY		76	0	0	0	0	17	30	0	0
US-1 in Miami-Dade County		11	0	5	3	0	1	4	45	5
US-1 South of Florida City		0	0	0	0	0	0	0	3	168
MDX	SR 112	87	0	34	0	0	47	14	0	0
	SR 836	54	4	31	64	0	21	32	26	0
	SR 874	0	0	0	32	0	0	0	11	0
	SR 878	1	0	1	0	0	0	0	7	0
	SR 924	0	0	0	2	2	0	0	0	0
District 4		72	101	123	40	4	0	0	0	0
Florida's Turnpike		19	17	6	4	0	0	0	0	0
Subtotal of On Route		1,676	774	1,053	1,177	41	707	36	45	168
Subtotal of Off Route		711	355	450	494	480	598	361	335	89
Total District 6		2,154	1,007	1,308	1,529	515	1,237	351	336	257
Other Agencies		233	122	195	142	6	68	46	44	0
Total		2,387	1,129	1,503	1,671	521	1,305	397	380	257

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
Messages
600
500
400
300
200
100
0
318
86
269
87
198
96
125
176
181
225
131
150
223
146
245
156
443
99
449
50
314
60
269
81
293
25
288
95
322
89
388
147
386
76
344
70
216
94
235
114
186
91
325
138
504
61
415
71
0:00
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4:00
5:00
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7:00
8:00
9:00
10:00
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14:00
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23:00
Time (Beginning)
Weekday
Weekend