



**MAY 2010**  
**DMS Usage Report**



**Summary of Monthly Operations**

In the month of May there were 5,544 messages posted with 2,528 DMS activations for 566 events. The DMS efficiency was 100% (566 of the 566 signable events had a DMS messages posted). There was an average of 4.47 DMSs activated per each signable event and an average of 2.19 DMS messages were posted per each DMS activation. This resulted in an average of 9.80 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**

- $\frac{2528 \text{ DMS Activations}}{566 \text{ Events}} = \underline{4.47} \text{ Average DMS Activations per Event}$

*An average of 4.47 DMSs were activated per each signable event*

- $\frac{5544 \text{ DMS Messages}}{2528 \text{ DMS Activations}} = \underline{2.19} \text{ Average DMS Messages per Activation}$

*An average of 2.19 DMS messages were posted per each DMS activation*

- $4.47 \frac{\text{DMS Activations}}{\text{Events}} \times 2.19 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{9.80^*} \text{ DMS Messages per Event}$

*An average of 9.80\* 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	138
Florida's Turnpike Enterprise	4
Miami-Dade Expressway Authority	545
<b>Total</b>	<b>687</b>

**Table 2 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	2197
Other Districts' Incidents	321
Construction	928
Safety	1639
Vehicle Alert	459
<b>Total</b>	<b>5544</b>

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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	7	11	3:53	13.58%
	22	NB I-95 s/ of NW 62 ST	58	140	170:29	100.00%
	75	NB I-95 s/ of SR 112	92	146	186:50	98.46%
	77	NB I-95 n/ of SW 8 ST	103	152	287:10	98.84%
	2*	SB I-95 n/ Ives Dairy RD	25	43	56:14	32.99%
	3	SB I-95 n/ of Miami Gardens DR	86	135	143:06	100.00%
	20	SB I_95 s/ of NW 119 ST	44	121	139:38	100.00%
	21	SB I-95 s/ of NW 62 ST	69	147	343:58	100.00%
	74	SB I_95 s/ of SR 112	58	129	303:33	100.00%
	76	SB I-95 n/ of Rickenbacker CSWY	5	50	85:01	96.86%
<b>I-95 Mainline Subtotal</b>			<b>547</b>	<b>1074</b>	<b>1719:55</b>	<b>84.07%</b>
I-95 Express	95X40	NB 95X at NW 62nd St	19	78	100:25	100.00%
	95X45	NB 95X at NW 125th St	32	95	144:50	98.99%
	95XSB45	SB 95X at NW 62nd St	42	108	244:44	100.00%
	95XSB50	SB 95X at NW 125th St	9	60	89:55	100.00%
<b>I-95 Express Subtotal</b>			<b>102</b>	<b>341</b>	<b>579:57</b>	<b>99.75%</b>
SR-826	14	NB SR 826 n/ of NW 122 ST	37	61	105:29	100.00%
	4	EB SR 826 e/ of NW 67 AVE	18	35	45:07	69.12%
	5*	EB SR 826 e/ of NW 37 AVE	43	75	75:26	47.68%
	15	WB SR 826 w/ of NW 17 AVE	30	71	143:39	99.73%
	17	WB SR 826 w/ of NW 47 AVE	52	107	330:40	100.00%
	19	WB SR 826 w/ of NW 67 AVE	65	138	587:37	100.00%
	826NB58	NB SR 826 s/ of NW 58 ST	42	104	181:24	100.00%
	826SB58	SB SR 826 n/ of NW 58 ST	71	169	678:46	100.00%
	826SB103	SB SR 826 s/ of NW 103 ST	61	153	654:08	100.00%
<b>SR-826 Subtotal</b>			<b>419</b>	<b>913</b>	<b>2802:19</b>	<b>90.73%</b>
I-75	43	NB I-75 s/ of Miami Gardens DR	18	77	128:55	100.00%
	44	SB I-75 s/ of Miami Gardens DR	55	143	553:10	100.00%
	42	SB I-75 s/ of NW 138 ST	68	156	485:05	97.26%
<b>I-75 Subtotal</b>			<b>141</b>	<b>376</b>	<b>1167:12</b>	<b>99.09%</b>
I-195 Mainline	57	EB I-195 w/ of North Miami AVE	21	80	138:02	100.00%
	103	EB SR 112 e/ of Toll Plaza	93	185	248:00	99.65%
	105	WB I-195 e/ of Alton RD	61	135	205:48	100.00%
<b>I-195 Mainline Subtotal</b>			<b>175</b>	<b>400</b>	<b>591:51</b>	<b>99.88%</b>
I-395	886WB	Port Blvd WB before US-1	80	114	252:31	100.00%
	104	WB I-395 @ Watson Island	114	213	399:29	100.00%
<b>I-395 Subtotal</b>			<b>194</b>	<b>327</b>	<b>652:00</b>	<b>100.00%</b>
<b>Limited Access Facilities Subtotal</b>			<b>1578</b>	<b>3431</b>	<b>7513:16</b>	<b>95.59%</b>

\* DMS 1, 2, 5, and 10 non-operational, waiting for capital improvement



**MAY 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	37	60	18:46	59.26%
	113	WB Ives Dairy RD e/ of I-95	57	96	61:29	100.00%
	110	EB Miami Gardens DR w/ of I-95	78	122	75:42	100.00%
	111	WB Miami Gardens DR e/ of I-95	48	79	63:19	63.25%
	112	EB NW 103 ST w/ of I-95	58	92	38:42	100.00%
	106	EB NW 79 ST w/ of I-95	68	110	95:09	100.00%
	107	EB NW 54 ST w/ of I-95	102	154	241:20	100.00%
	108	EB SW 8 ST w/ of I-95	70	105	180:30	100.00%
<b><i>I-95 Arterial Subtotal</i></b>			<b>518</b>	<b>818</b>	<b>775:01</b>	<b>90.31%</b>
Golden Glades Interchange	6	WB SR 826 w/ of NE 2nd AVE	74	149	143:21	100.00%
	7	SB Turnpike to the Golden Glades	32	75	70:28	37.79%
	9	NB US-441@TRI-Rail	5	11	6:56	37.79%
	10*	NB SR 9 @ the Detention Center	0	0	0:00	N/A
	8	SB US-441 @NW 179 ST	23	34	12:29	37.79%
<b><i>Golden Glades Interchange Subtotal</i></b>			<b>134</b>	<b>269</b>	<b>233:15</b>	<b>53.34%</b>
I-195 Arterial	38	SB Alton RD to WB I-195	27	41	63:12	100.00%
	39	WB 41 ST to WB I-195	24	36	58:05	100.00%
	40	NB Alton RD to WB I-195	26	40	62:32	100.00%
<b><i>I-195 Arterial Subtotal</i></b>			<b>77</b>	<b>117</b>	<b>183:49</b>	<b>100.00%</b>
US 1 in Miami-Dade County	23	NB US-1 n/ of SW 17 AVE	30	40	50:16	99.53%
	45	SB US 1 @ SW 62 AVE & 80 ST	24	82	233:34	100.00%
	47	SB US 1 @ TURNPIKE SB	6	57	106:08	100.00%
	46	NB US 1 @ Killian DR	49	118	334:39	100.00%
	48	NB US 1 @ TURNPIKE NB	5	21	34:10	100.00%
<b><i>US 1 in Miami-Dade County Subtotal</i></b>			<b>114</b>	<b>318</b>	<b>758:48</b>	<b>99.91%</b>
US 1 South of Florida City	62	NB US-1 @ Florida City	2	6	9:03	81.65%
	64	NB US_1 @ Mile Marker 106	16	74	133:46	100.00%
	66	NB US_1 @ Mile Marker 91.5	8	63	111:11	99.18%
	68	NB US_1 @ Mile Marker 39.5	19	78	138:29	100.00%
	71	NB US_1 @ Mile Marker 7.5	11	67	120:04	99.14%
	61	SB US-1 @ Florida City	6	10	24:24	100.00%
	63	SB US-1 @ Mile Marker 113	6	55	95:07	98.78%
	65	SB US-1 @ Mile Marker 106	15	68	117:14	100.00%
	67	SB US-1 @ Mile Marker 91.5	6	54	91:44	98.07%
	69	SB US-1 @ Mile Marker 39.5	14	63	115:40	95.06%
	70	SB US-1 @ Mile Marker 7.5	4	53	93:08	99.44%
<b><i>US 1 South of Florida City Subtotal</i></b>			<b>107</b>	<b>591</b>	<b>1049:56</b>	<b>97.39%</b>
<b><i>Arterials Subtotal</i></b>			<b>950</b>	<b>2113</b>	<b>3000:51:36</b>	<b>88.19%</b>
<b><i>Limited Access Facilities Subtotal</i></b>			<b>1578</b>	<b>3431</b>	<b>7513:16</b>	<b>95.59%</b>
<b><i>Grand Total</i></b>			<b>2528</b>	<b>5544</b>	<b>10514:08</b>	<b>93.48%</b>

\* DMS 1, 2, 5, and 10 non-operational, waiting 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*	83	0	42	78	35	47	6	54	114	
Safety Messaging*	429	65	0	224	143	149	50	157	422	
I-95**	592	148	534	46	0	238	143	30	0	
I-75	0	0	0	36	15	0	0	0	0	
I-195	35	0	27	0	0	61	9	2	0	
I-395	2	0	2	0	0	1	13	0	0	
SR 826	36	41	29	439	154	0	0	59	0	
M-CSWY	2	0	1	0	0	0	2	0	0	
US 1 in Miami-Dade County	1	0	1	0	0	0	0	4	0	
US 1 South of Florida City	0	0	0	0	0	0	0	1	55	
MDX	SR 112	82	0	52	0	0	14	26	0	0
	SR 836	132	0	58	7	2	7	78	1	0
	SR 874	0	0	0	18	0	0	0	6	0
	SR 878	0	0	0	0	0	0	0	4	0
	SR 924	0	0	0	36	22	0	0	0	0
District 4	17	15	72	29	5	0	0	0	0	
Florida's Turnpike	4	0	0	0	0	0	0	0	0	
<b>Subtotal of On Route</b>	592	148	534	439	15	61	13	4	55	
<b>Subtotal of Off Route</b>	823	121	284	474	361	456	314	314	536	
<b>Total District 6</b>	1,180	254	636	823	347	496	223	307	591	
<b>Other Agencies</b>	235	15	182	90	29	21	104	11	0	
<b>Total</b>	1,415	269	818	913	376	517	327	318	591	

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

