



### Summary of Monthly Operations

In the month of January there were 2672 messages posted with 2104 DMS activations for 423 events.

### Summary of Average Monthly Operations

- $\frac{2104 \text{ DMS Activations}}{423 \text{ Events}} = \underline{4.97} \text{ DMS Activations / Event}$
- $\frac{2672 \text{ DMS Messages}}{2104 \text{ DMS Activations}} = \underline{1.27} \text{ DMS Messages / Activation}$
- $4.97 \frac{\text{DMS Activations}}{\text{Events}} \times 1.27 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{6.32} \text{ DMS Messages / Event}$

**Table 1 DMS Usage by Roadway**

Roadway	Number of Signs	Number of Messages
I-95	20*	1398
SR-826	5*	393
Florida's Turnpike Spur	1	123
I-195	5	353
I-395	1	127
I-75	3	247
US 1 in Miami-Dade County	1	0
US 1 South of Florida City	11	31
<b>Total</b>	<b>47</b>	<b>2672</b>

\* DMS 4, 8, 9, and 10 non-operational, awaiting for capital improvement

**Table 2 DMS Usage for Other Agencies**

Agency	Number of Messages
FDOT District 4	164
Florida's Turnpike Enterprise	2
Miami-Dade Expressway Authority	576
<b>Total</b>	<b>742</b>

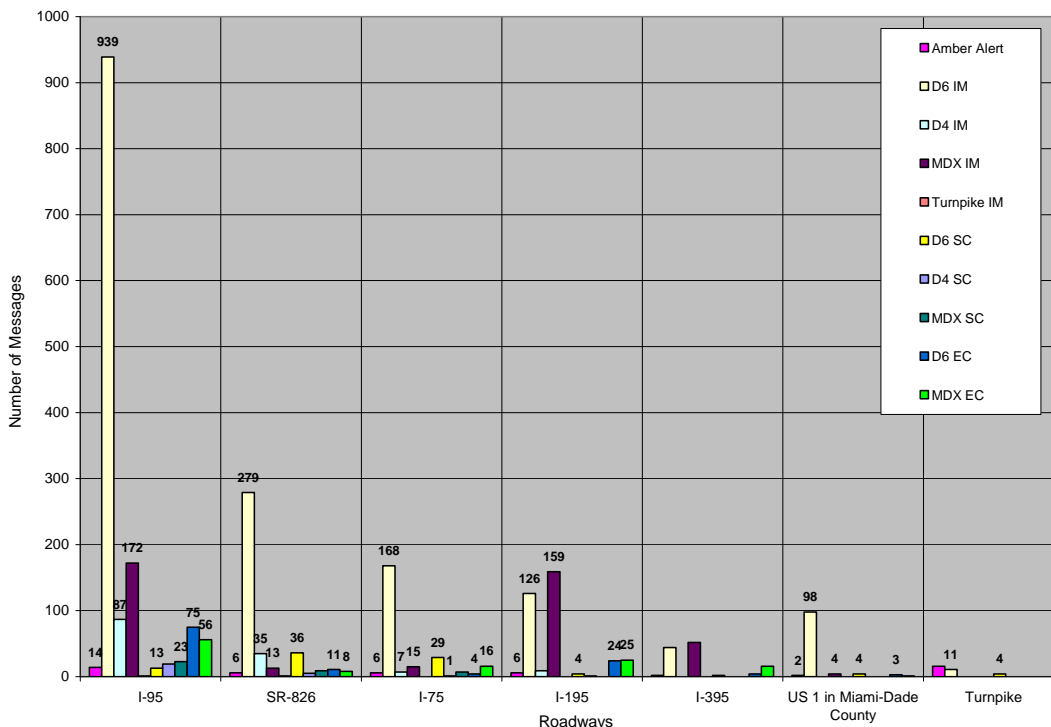
**Table 3 DMS Usage by Event Type**

Event Type Message	Number of Messages
FDOT District 6 Incidents	1665
Other Districts' Incidents	555
Construction	400
Amber Alert	52
Safety	0
<b>Total</b>	<b>2672</b>

Note: Among all the messages signed for District 6 incidents, 52 messages were used for police activities.

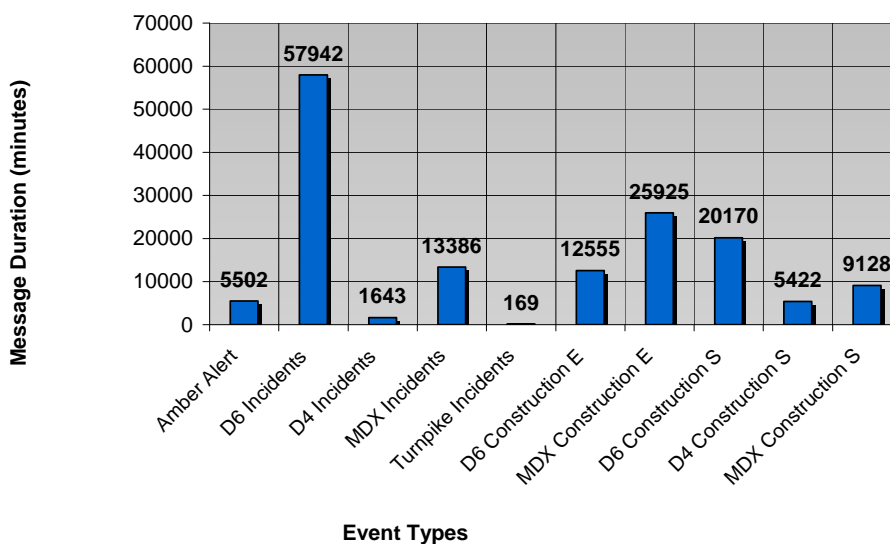


**JANUARY 2008**  
*DMS Usage Report for Management*



**Figure 1 Numbers of Messages by Roadway and Event Type**

Note: IM – Incident Management  
 EC – Emergency Construction  
 SC – Scheduled Construction



**Figure 2 Total Message Usage by Event Types**



**JANUARY 2008**  
*DMS Usage Report for Management*



**Table 4 Number of Messages by Roadway**

Sign For Events On	DMS Located Along								
	I-95	SR 826	I-75	I-195	I-395	Florida's Turnpike Spur	US 1 in Miami-Dade County	US 1 South of Florida City	
<b>Amber Alert*</b>	14	6	6	6	2	0	2	16	
<b>Safety Messaging*</b>	0	0	0	0	0	0	0	0	
<b>I-95</b>	736	82	7	99	31	76	0	0	
<b>I-75</b>	0	37	24	0	0	2	0	0	
<b>I-195</b>	37	0	0	23	0	0	0	0	
<b>I-395</b>	79	4	0	12	6	3	0	0	
<b>SR 826</b>	88	201	170	13	7	24	0	0	
<b>M-CSWY</b>	55	1	0	3	0	0	0	0	
<b>US 1 in Miami-Dade County</b>	32	1	0	4	6	0	0	0	
<b>US 1 South of Florida City</b>	0	0	0	0	0	0	0	15	
<b>Monroe County</b>	0	0	0	0	0	0	0	0	
<b>MDX</b>	<b>SR 112</b>	81	1	0	91	21	2	0	0
	<b>SR 836</b>	163	16	24	102	52	3	0	0
	<b>SR 874</b>	7	2	4	0	2	0	0	0
	<b>SR 878</b>	0	0	0	0	0	0	0	0
	<b>SR 924</b>	0	2	3	0	0	0	0	0
<b>District 4</b>	106	40	8	0	0	10	0	0	
<b>Florida's Turnpike</b>	0	0	1	0	0	1	0	0	
<b>Subtotal of On Route</b>	736	201	24	23	6	1	0	15	
<b>Subtotal of Off Route</b>	662	192	223	330	121	120	2	16	
<b>Total District 6</b>	1041	332	207	160	52	105	2	31	
<b>Other Agencies</b>	357	61	40	193	75	16	0	0	
<b>Total</b>	1398	393	247	353	127	121	2	31	

Note: \*Amber Alert are signed for entire Miami-Dade County, thus is not location-specific event.

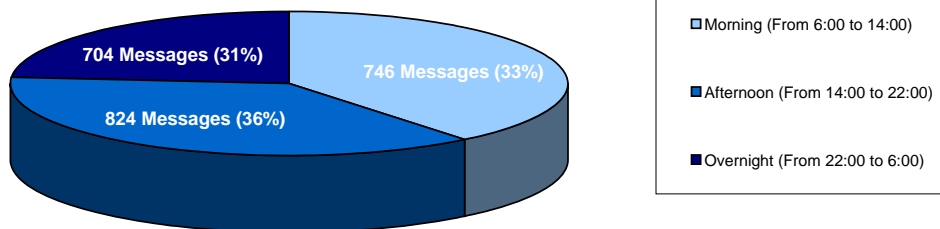
\*Safety Messages are signed for entire Miami-Dade County, thus is not location-specific event.

On Route – When a DMS signs for an incident on the same route as where the DMS is located

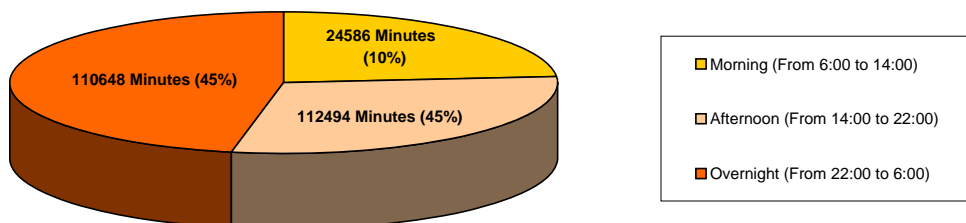
Off Route – When a DMS signs for an incident on different routes from where the DMS is located



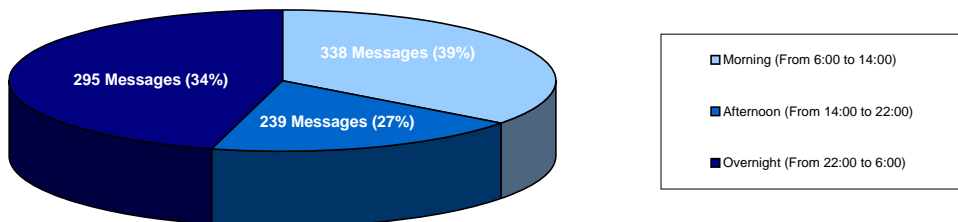
**JANUARY 2008**  
*DMS Usage Report for Management*



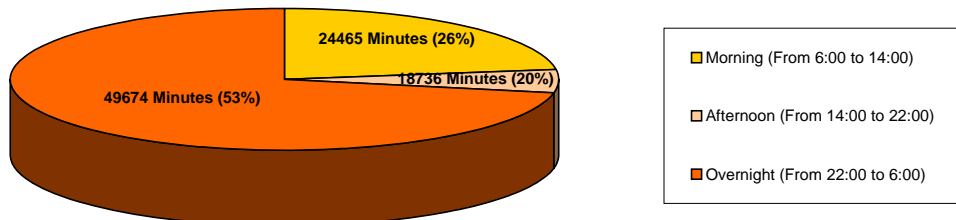
**Figure 3 Number of Messages by Weekday Shifts**



**Figure 4 Message Usage by Weekday Shifts**



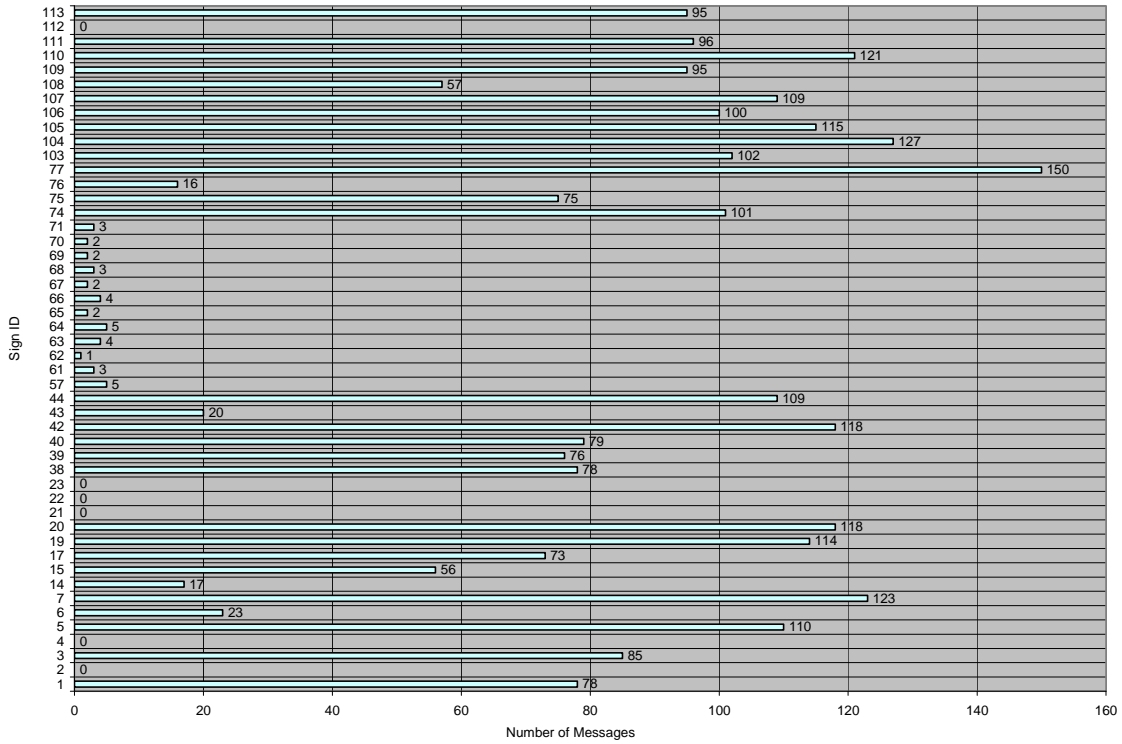
**Figure 5 Number of Messages by Weekend Shifts**



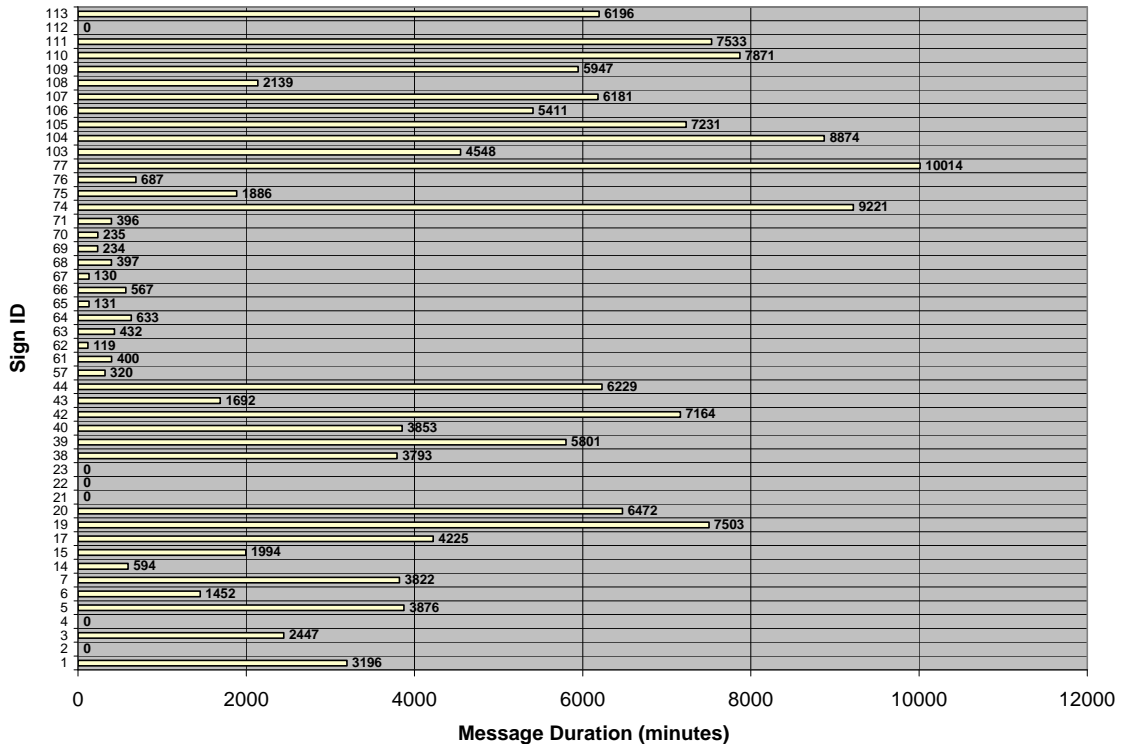
**Figure 6 Message Usage by Weekend Shifts**



**JANUARY 2008**  
*DMS Usage Report for Management*



**Figure 7 Number of Messages by Sign ID**



**Figure 8 Message Usage by Sign ID**



**JANUARY 2008**  
*DMS Usage Report for Management*



**Table 5 Signable Events (Weekday Shifts)**

Shifts	Potential Events	Signed Events	Percentage Signed
<b>Morning (From 6:00 to 14:00)</b>	119	119	<b>100.00%</b>
<b>Afternoon (From 14:00 to 22:00)</b>	120	120	<b>100.00%</b>
<b>Overnight (From 22:00 to 6:00)</b>	86	86	<b>100.00%</b>
<b>Total</b>	325	325	<b>100.00%</b>

**Table 6 Signable Events (Weekend Shifts)**

Shifts	Potential Events	Signed Events	Percentage Signed
<b>Morning (From 6:00 to 14:00)</b>	31	31	<b>100.00%</b>
<b>Afternoon (From 14:00 to 22:00)</b>	22	22	<b>100.00%</b>
<b>Overnight (From 22:00 to 6:00)</b>	45	45	<b>100.00%</b>
<b>Total</b>	98	98	<b>100.00%</b>

**Table 7 Unlinked Events**

Operator	# of Test Events not Voided	Event ID
Shayla Khalilahmadi	1	127858



**JANUARY 2008**  
*DMS Usage Report for Management*



**Table 8 FDOT Maintenance Response For**

Non-operational DMS	Location	Downtime	Availability
002-DMS	I-95 SB Before Ives Dairy Rd	29 d 15 h 4 m	4.43 %
004-DMS	SR-826 EB Beyond NW 67 Ave	29 d 3 h 30 m	5.98 %
006-DMS	SR 826 WB Beyond NE 2 Ave	24 d 8 h 57 m	21.39 %
014-DMS	SR 826 NB at NW 122 St	2 d 18 h 14 m	91.01 %
019-DMS	SR 826 WB at Beyond NW 47 Ave	3 d 5 h 18 m	89.61 %
021-DMS	I-95 SB Beyond NW 62 St	31 d 0 h 0 m	0%
022-DMS	I-95 NB Before NW 62 St	31 d 0 h 0 m	0 %
023-DMS	US 1 NB Beyond SW 17 Ave	31 d 0 h 0 m	0 %
062-DMS	US 1 NB at Florida City	0 d 1 h 7 m	99.85 %
075-DMS	I-95 NB Before SR-112	1 d 6 h 58 m	96.06 %
109-DMS	EB SW 8 St w/of I-95	1 d 16 h 22 m	94.57 %
110-DMS	EB Miami Gardens Dr w/of I-95	1 d 16 h 23 m	94.57 %
111-DMS	WB Miami Gardens Dr e/of I-95	1 d 17 h 48 m	94.38 %
112-DMS	EB NW 103 St w/of I-95	31 d 0 h 0 m	0 %
113-DMS	WB Ives Dairy Rd e/of I-95	1 d 18 h 26 m	94.3 %

Total Downtime: 191 d 5 h 15 m  
 Total Availability: 87.91%

**Table 9 Warranty-Atlas For**

Non-operational DMS	Location	Downtime	Availability
039-DMS	W 41 St WB at Jefferson Ave (to I-195 WB)	0 d 5h 25 m	99.27%
057-DMS	I-195 EB Before N Miami Ave	0 d 7h 27 m	99%
070-DMS	US1 SB at Mile Marker 7.5	0 d 10 h 48 m	98.55%
071-DMS	US1 NB at Mile Marker 7.5	0 d 9 h 19 m	98.55%

Total Downtime: 1 d 10 h 27 m  
 Total Availability: 99.91%

DMS #004 #008, #009 and #010 are in need of capital improvement since March 8, 2007 for them to be operational.