



AUGUST 2008
DMS Usage Report



Summary of Monthly Operations

In the month of August there were 2,955 messages posted with 1,825 DMS activations for 391 events. There were 391 signable events or 100% of the signable events had a DMS message(s) posted. *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

- $\frac{1825 \text{ DMS Activations}}{391 \text{ Events}} = \mathbf{4.67} \text{ DMS Activations / Event}$
- $\frac{2955 \text{ DMS Messages}}{1825 \text{ DMS Activations}} = \mathbf{1.62} \text{ DMS Messages / Activation}$
- $4.67 \frac{\text{DMS Activations}}{\text{Events}} \times 1.62 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \mathbf{7.57} \text{ DMS Messages / Event}$

Table 1 DMS Usage for Other Agencies (new US 1 DMS and are not included)

Agency	Number of Messages
FDOT District 4	165
Florida's Turnpike Enterprise	3
Miami-Dade Expressway Authority	304
Total	472

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	1627
Other Districts' Incidents	372
Construction	307
Safety	649
Amber Alert	0
Total	2955

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Table 3a DMS Usage by Roadway (Limited Access Facilities)

Roadway	ID	Location	# of Events	# of Messages	Duration (Hr:Min)	Availability
I-95 Mainline	1	NB I-95 n/ of NW 103 ST	59	74	40:25	98.77%
	22	NB I-95 s/ of NW 62 ST	64	103	70:01	100.00%
	75	NB I-95 s/ of SR 112	112	144	143:07	100.00%
	77	NB I-95 n/ of SW 8 ST	133	173	140:57	98.80%
	2	SB I-95 n/ Ives Dairy RD	10	31	85:06	89.15%
	3	SB I-95 n/ of Miami Gardens DR	38	69	132:32	100.00%
	20	SB I-95 s/ of NW 119 ST	32	61	116:01	100.00%
	21	SB I-95 s/ of NW 62 ST	58	88	163:19	100.00%
	74	SB I-95 s/ of SR 112	55	89	123:11	100.00%
	76	SB I-95 n/ of Rickenbacker CSWY	11	34	51:13	100.00%
I-95 Mainline Subtotal			572	866	1065:57	98.67%
SR-826	14	NB SR 826 n/ of NW 122 ST	24	45	88:49	100.00%
	4	EB SR 826 e/ of NW 67 AVE	0	0	0:00	N/A
	5	EB SR 826 e/ of NW 37 AVE	46	78	78:41	100.00%
	15	WB SR 826 w/ of NW 17 AVE	9	31	49:24	100.00%
	17	WB SR 826 w/ of NW 47 AVE	15	36	61:29	100.00%
	19	WB SR 826 w/ of NW 67 AVE	47	72	120:37	100.00%
SR-826 Subtotal			141	262	399:02	100.00%
I-75	43	NB I-75 s/ of Miami Gardens DR	0	0	0:00	7.58%
	44	SB I-75 s/ of Miami Gardens DR	0	0	0:00	0.00%
	42	SB I-75 s/ of NW 138 ST	42	68	85:42	99.34%
I-75 Subtotal			42	68	85:42	35.64%
I-195 Mainline	57	EB I-195 w/ of North Miami AVE	4	25	45:42	100.00%
	103	EB SR 112 e/ of Toll Plaza	106	139	179:33	98.80%
	105	WB I-195 e/ of Alton RD	74	120	163:09	100.00%
I-195 Mainline Subtotal			184	284	388:25	99.60%
I-395	104	WB I-395 @ Waston Island	144	204	240:25	100.00%
I-395 Subtotal			144	204	240:25	100.00%
Limited Access Facilities Subtotal			1083	1684	2179:34	86.78%

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

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Table 3b DMS Usage by Roadway (Arterials)

Roadway	ID	Location	# of Events	# of Messages	Duration (Hr:Min)	Availability
I-95 Arterial	109	EB Ives Dairy RD W/ of I-95	33	52	25:38	99.29%
	113	WB Ives Dairy RD e/ of I-95	33	53	21:23	100.00%
	110	EB Miami Gardens DR w/ of I-95	46	60	35:15	100.00%
	111	WB Miami Gardens DR e/ of I-95	45	58	32:49	100.00%
	112	EB NW 103 ST w/ of I-95	65	84	64:32	96.04%
	106	EB NW 79 ST w/ of I-95	85	112	93:25	100.00%
	107	EB NW 54 ST w/ of I-95	111	143	111:53	100.00%
	108	EB SW 8 ST w/ of I-95	47	71	52:26	100.00%
I-95 Arterial Subtotal			465	633	437:23	99.42%
Golden Glades Interchange	6	WB SR 826 w/ of NE 2nd AVE	37	51	31:24	76.11%
	7	SB Turnpike to the Golden Glades	39	48	68:39	100.00%
	9	NB US-441@TRI-Rail	0	0	0:00	N/A
	10	NB SR 9 @ the Detention Center	0	0	0:00	N/A
	8	SB US-441 @NW 179 ST	0	0	0:00	N/A
Golden Glades Interchange Subtotal			76	99	100:04	88.06%
I-195 Arterial	38	SB Alton RD to WB I-195	54	97	126:44	100.00%
	39	WB 41 ST to WB I-195	21	34	47:52	49.68%
	40	NB Alton RD to WB I-195	53	96	120:23	100.00%
I-195 Arterial Subtotal			128	227	295:00	83.23%
US 1 in Miami-Dade County	23	NB US-1 n/ of SW 17 AVE	21	38	37:56	100.00%
	45	SB US 1 @ SW 62 AVE & 80 ST	2	15	31:00	100.00%
	47	SB US 1 @ TURNPIKE SB	3	23	84:13	100.00%
	46	NB US 1 @ Killian DR	5	26	46:32	100.00%
	48	NB US 1 @ TURNPIKE NB	4	24	84:48	100.00%
US 1 in Miami-Dade County Subtotal			35	126	284:31	100.00%
US 1 South of Florida City	62	NB US-1 @ Florida City	2	3	26:58	100.00%
	64	NB US_1 @ Mile Marker 106	5	26	85:51	100.00%
	66	NB US_1 @ Mile Marker 91.5	3	24	69:57	100.00%
	68	NB US_1 @ Mile Marker 39.5	4	25	70:24	100.00%
	71	NB US_1 @ Mile Marker 7.5	3	3	39:11	97.03%
	61	SB US-1 @ Florida City	0	0	0:00	46.45%
	63	SB US-1 @ Mile Marker 113	4	24	70:21	100.00%
	65	SB US-1 @ Mile Marker 106	6	26	86:15	100.00%
	67	SB US-1 @ Mile Marker 91.5	4	24	70:21	100.00%
	69	SB US-1 @ Mile Marker 39.5	3	23	69:57	100.00%
	70	SB US-1 @ Mile Marker 7.5	4	8	50:45	97.03%
US 1 South of Florida City Subtotal			38	186	640:04	94.59%
Arterials Subtotal			742	1271	1757:04	93.06%
Limited Access Facilities Subtotal			1083	1684	2179:34	86.78%
Grand Total			1825	2955	3936:38	93.22%

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

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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
Amber Alert*	0	0	0	0	0	0	0	0	0
Safety Messaging*	147	0	8	108	22	93	22	82	167
I-95	541	61	438	34	0	354	117	32	0
I-75	0	0	0	13	3	0	0	0	0
I-195	7	0	7	0	0	33	0	0	0
I-395	9	0	7	0	0	2	7	2	0
SR 826	9	11	14	58	26	0	2	4	0
M-CSWY	0	0	0	0	0	0	0	0	0
US 1 in Miami-Dade County	9	0	6	0	0	1	3	5	0
US 1 South of Florida City	0	0	0	0	0	0	0	0	19
MDX	SR 112	0	21	0	0	22	5	0	0
	SR 836	0	36	15	13	6	47	1	0
	SR 874	0	0	1	1	0	1	0	0
	SR 878	0	0	0	0	0	0	0	0
	SR 924	0	0	6	3	0	0	0	0
District 4	17	26	96	26	0	0	0	0	0
Florida's Turnpike	1	1	0	1	0	0	0	0	0
Subtotal of On Route	541	61	438	58	3	33	7	5	19
Subtotal of Off Route	325	38	195	204	65	478	197	121	167
Total District 6	722	72	480	213	51	483	151	125	186
Other Agencies	144	27	153	49	17	28	53	1	0
Total	866	99	633	262	68	511	204	126	186

Note: *Amber 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

DMS Messages by Time of Day

