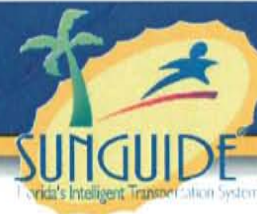




FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – January 2013



Summary of Monthly Operations

In the month of January, there were 16,285 messages posted with 5,406 DMS activations for 917 events. The DMS efficiency was 99.78% (915 of the 917 signable events had a DMS messages posted). There was an average of 5.90 DMSs activated per each signable event and an average of 3.01 DMS messages were posted per each DMS activation. This resulted in an average of 17.76 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 a message does not function properly at this time.

Summary of Average Monthly Operations

- $$\frac{5406 \text{ DMS Activations}}{917 \text{ Events}} = \underline{5.90} \text{ Average DMS Activations per Event}$$

An average of 5.90 DMSs were activated per each signable event

- $$\frac{16285 \text{ DMS Messages}}{5406 \text{ DMS Activations}} = \underline{3.01} \text{ Average DMS Messages per Activation}$$

An average of 3.01 DMS messages were posted per each DMS activation

- $$5.90 \frac{\text{DMS Activations}}{\text{Events}} \times 3.01 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{17.76^*} \text{ DMS Messages per Event}$$

An average of 17.76 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	1254
Florida's Turnpike Enterprise	59
Miami-Dade Expressway Authority	1136
Total	2449

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	7538
Other Districts' Incidents	1174
Construction	5667
Safety	1308
Vehicle Alert	598
Total	16285



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – January 2013



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	80	259	267:42:14	100.00%
	22	NB I-95 s/ of NW 62 ST	68	201	217:17:12	100.00%
	75	NB I-95 s/ of SR 112	95	217	100:41:20	68.47%
	77	NB I-95 n/ of SW 8 ST	0	0	0:00:00	0.00%
	2	SB I-95 n/ Ives Dairy RD	193	495	354:08:32	100.00%
	3	SB I-95 n/ of Miami Gardens DR	192	482	327:06:43	100.00%
	20	SB I-95 s/ of NW 119 ST	63	223	162:19:04	100.00%
	21	SB I-95 s/ of NW 62 ST	116	370	261:32:58	100.00%
	74	SB I-95 s/ of SR 112	0	0	0:00:00	0.00%
	76	SB I-95 n/ of Rickenbacker CSWY	11	54	84:40:33	98.54%
I-95 Mainline Subtotal			818	2301	1775:28:36	76.70%
I-95 Express	95X40	NB 95X at NW 62nd St	77	194	190:12:42	99.87%
	95X45	NB 95X at NW 125th St	80	230	247:18:59	97.56%
	95XSB45	SB 95X at NW 62nd St	102	312	212:45:06	99.83%
	95XSB50	SB 95X at NW 125th St	69	153	82:22:31	99.78%
I-95 Express Subtotal			328	889	732:39:18	99.26%
SR 826	14	NB SR 826 n/ of NW 122 ST	40	119	72:09:35	99.32%
	4	EB SR 826 e/ of NW 67 AVE	52	176	208:31:42	99.30%
	5*	EB SR 826 e/ of NW 37 AVE	111	284	246:55:14	N/A*
	15*	WB SR 826 w/ of NW 17 AVE	40	94	148:55:49	N/A*
	17	WB SR 826 w/ of NW 47 AVE	62	176	249:24:39	95.42%
	19	WB SR 826 w/ of NW 67 AVE	69	176	260:47:05	99.31%
	826NB58	NB SR 826 s/ of NW 58 ST	36	104	83:17:26	99.38%
	826SB58	SB SR 826 n/ of NW 58 ST	98	216	269:21:19	99.32%
	826SB103	SB SR 826 s/ of NW 103 ST	80	184	232:35:21	99.32%
	826NB1.3-LL	NB SR 826 s/ of SW 72 ST	50	130	114:04:49	100.00%
	826NB4.8-LL**	NB SR 826 at SW 24 ST	68	160	118:19:04	N/A**
	826SB8.8-LL**	SB SR 826 at NW 36 ST	95	211	271:32:09	N/A**
SR 826 Subtotal			801	2030	2275:54:12	98.92%
I-75	43	NB I-75 s/ of Miami Gardens DR	12	56	56:27:48	99.04%
	44	SB I-75 s/ of Miami Gardens DR	85	206	310:07:26	99.02%
	42	SB I-75 s/ of NW 138 ST	93	220	327:22:49	99.28%
I-75 Subtotal			190	482	693:58:03	99.11%
I-195 Mainline	57*	EB I-195 w/ of North Miami AVE	0	0	0:00:00	N/A*
	103	EB SR 112 e/ of Toll Plaza	100	203	121:56:19	46.68%
	105*	WB I-195 e/ of Alton RD	75	207	129:29:45	N/A*
I-195 Mainline Subtotal			175	410	251:26:04	46.68%
I-395	886WB	Port Blvd WB before US-1	112	408	277:12:41	99.96%
	104	WB I-395 @ Watson Island	158	367	213:27:41	97.93%
I-395 Subtotal			270	775	490:40:22	98.95%
Limited Access Facilities Subtotal			2582	6887	6220:06:35	89.19%



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – January 2013



Table 3b DMS Usage by Roadway (Arterials)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:min:ss)	Availability
I-95 Arterial	109	EB Ives Dairy RD w/ of I-95	113	359	179:03:50	95.26%
	113	WB Ives Dairy RD e/ of I-95	94	303	145:50:08	89.21%
	110	EB Miami Gardens DR w/ of I-95	113	381	167:09:00	95.65%
	111	WB Miami Gardens DR e/ of I-95	120	388	176:28:53	95.00%
	112	EB NW 103 ST w/ of I-95	109	326	145:17:36	99.92%
	106	EB NW 79 ST w/ of I-95	109	320	154:43:58	93.16%
	107	EB NW 54 ST w/ of I-95	148	421	210:44:01	99.53%
	108	EB SW 8 ST w/ of I-95	84	276	162:05:32	89.82%
I-95 Arterial Subtotal			890	2774	1341:22:58	94.69%
Golden Glades Interchange	6	WB SR 826 w/ of NE 2nd AVE	178	487	339:21:16	99.42%
	7	SB Turnpike to the Golden Glades	171	483	221:38:20	98.45%
	9	NB US-441@TRI-Rail	67	243	272:03:46	100.00%
	10	NB SR 9 @ the Detention Center	104	380	301:46:55	100.00%
	8	SB US-441 @NW 179 ST	176	478	334:53:02	100.00%
Golden Glades Interchange Subtotal			696	2071	1469:43:19	99.57%
SR 826 Arterial	SW24EB	EB SW 24 ST w/ of SR 826	92	229	206:38:20	100.00%
	SW24WB	WB SW 24 ST e/ of SR 826	92	228	206:38:18	100.00%
	SW40EB	EB SW 40 ST w/ of SR 826	93	244	219:21:44	100.00%
	SW40WB	WB SW 40 ST e/ of SR 826	94	257	225:42:22	100.00%
	SW56EB	EB SW 56 ST w/ of SR 826	96	335	277:42:25	100.00%
	SW56WB	WB SW 56 ST e/ of SR 826	96	335	277:42:28	100.00%
	SW72EB	EB SW 72 ST w/ of SR 826	101	432	351:14:51	100.00%
	SW72WB	WB SW 72 ST e/ of SR 826	101	432	351:14:52	100.00%
SR 826 Arterial Subtotal			765	2492	2116:15:20	100.00%
I-195 Arterial	38	SB Alton RD to WB I-195	44	162	96:03:18	90.85%
	39	WB 41 ST to WB I-195	41	155	89:20:01	90.55%
	40	NB Alton RD to WB I-195	41	155	89:20:00	90.86%
I-195 Arterial Subtotal			126	472	274:43:19	90.75%
US-1 in Miami-Dade County	23*	NB US-1 n/ of SW 17 AVE	41	148	100:16:23	N/A*
	45	SB US-1 @ SW 62 AVE & SW 80 ST	77	411	382:26:51	100.00%
	47	SB US-1 @ TURNPIKE SB	11	77	55:37:25	100.00%
	46	NB US-1 @ Killian DR	43	121	173:34:51	98.88%
	48	NB US-1 @ TURNPIKE NB	32	183	206:21:21	100.00%
US-1 in Miami-Dade County Subtotal			204	940	918:16:51	99.72%



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – January 2013



Table 3b – continued DMS Usage by Roadway (Arterials)

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
US-1 South of Florida City	62	NB US-1 @ Florida City	9	44	52:30:36	100.00%
	64	NB US-1 @ Mile Marker 106	14	61	65:36:09	95.19%
	66	NB US-1 @ Mile Marker 91.5	10	69	46:39:46	99.01%
	68	NB US-1 @ Mile Marker 39.5	20	89	73:59:16	98.04%
	71	NB US-1 @ Mile Marker 7.5	17	83	54:51:53	99.96%
	61*	SB US-1 @ Florida City	0	0	0:00:00	N/A*
	63	SB US-1 @ Mile Marker 113	17	77	50:14:34	100.00%
	65	SB US-1 @ Mile Marker 106	22	87	70:35:14	95.20%
	67	SB US-1 @ Mile Marker 91.5	15	53	41:08:01	98.36%
	69	SB US-1 @ Mile Marker 39.5	13	54	61:15:29	98.31%
	70	SB US-1 @ Mile Marker 7.5	6	32	38:14:33	99.96%
US-1 South of Florida City Subtotal			143	649	555:05:31	98.40%
Arterials Subtotal			2824	9398	6675:27:18	97.65%
Limited Access Facilities Subtotal			2582	6887	6220:06:35	89.19%
Grand Total			5406	16285	12895:33:53	94.06%

*DMS 5, 15, 23, 57, 61, and 105 are undergoing testing for Capital Improvement and are used periodically; system availability is not measured for these devices.

**Two additional DMS along the SR 826 Section 5 project are operational and are still under warranty; system availability is not measured for these devices.



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – January 2013



Table 4 Number of Messages by Roadway

Sign For Events On			DMS Located Along											
			I-95 Mainline	95 Express	SR 826	I-75	I-195 Mainline	I-395	I-95 Arterial	GGI	SR 826 Arterial	I-195 Arterial	US-1 in Miami- Dade County	US-1 South of Florida City
Vehicle Alert			84	29	126	44	21	13	0	40	47	16	54	124
Safety Messaging			176	96	260	72	38	47	0	119	112	63	96	229
District 6	Miami-Dade	I-95	1180	174	191	1	125	244	1714	812	0	171	83	0
	Miami-Dade	Express Lanes	263	228	52	0	57	123	3	279	0	3	0	0
	Miami-Dade	I-195	42	0	0	0	60	3	60	0	0	141	0	0
	Miami-Dade	I-395	158	130	0	0	54	143	356	28	0	6	48	0
	Miami-Dade	MacArthur Causeway	20	19	0	0	10	72	2	0	0	0	0	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	47	18	948	287	0	0	51	147	688	0	54	0
	Miami-Dade	I-75	0	0	0	10	0	0	0	0	0	0	0	0
	Miami-Dade	US-1	23	6	12	0	3	6	9	0	1204	9	482	2
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	19	269
	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	15
	Miami-Dade	SR-9	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	US-27	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	US-441	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	OTHER	104	52	130	39	0	26	0	65	91	0	49	10
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	32	24	139	2	16	64	70	1	248	24	16	0
	Miami-Dade	SR-836 Extension to 137th Ave	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-112	63	25	0	0	26	34	63	0	0	39	6	0
	Miami-Dade	SR-874	0	0	56	0	0	0	0	0	102	0	13	0
	Miami-Dade	SR-878	1	0	0	0	0	0	0	0	0	0	20	0
	Miami-Dade	SR-924	0	0	28	24	0	0	0	0	0	0	0	0
District 4	Broward	I-95	93	81	77	0	0	0	437	557	0	0	0	0
	Broward	I-75	0	0	6	3	0	0	0	0	0	0	0	0
	Broward	I-595	0	0	0	0	0	0	0	0	0	0	0	0
	Palm Beach	I-95	0	0	0	0	0	0	0	0	0	0	0	0
	Indian River	I-95	0	0	0	0	0	0	0	0	0	0	0	0
	Broward	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
Turnpike	Miami-Dade	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	Floridas Turnpike Spur	15	7	5	0	0	0	9	23	0	0	0	0
	Broward	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Palm Beach	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Martin	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	St. Lucie	Floridas Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal of On Route			1180	228	948	10	60	143	1714	812	688	141	501	271
Subtotal of Off Route			1121	661	1082	472	350	632	1060	1259	1804	331	439	378
Total District 6			2097	752	1719	453	368	677	2195	1490	2142	409	885	649
Other Agencies			204	137	311	29	42	98	579	581	350	63	55	0
Total			2301	889	2030	482	410	775	2774	2071	2492	472	940	649

Notes:

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.



FDOT DISTRICT SIX INTELLIGENT TRANSPORTATION SYSTEM DMS Usage Report – January 2013



DMS Messages by Time of Day

