

DMS Usage Report – August 2015

Summary of Monthly Operations

In the month of August, there were 35,198 messages posted with 9,079 DMS activations for 1,483 events. The DMS efficiency was 99.93% (1,482 of the 1,483 signable events had DMS messages posted). There was an average of 6.12 DMSs activated per each signable event and an average of 3.88 DMS messages were posted per each DMS activation. This resulted in an average of 23.73 DMS messages being posted per each signable event.

Notes: 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

- $\frac{9079 \text{ DMS Activations}}{1483 \text{ Events}} = \underline{6.12} \text{ Average DMS Activations per Event}$

An average of 6.58 DMSs were activated per each signable event

- $\frac{35198 \text{ DMS Messages}}{9079 \text{ DMS Activations}} = \underline{3.88} \text{ Average DMS Messages per Activation}$

An average of 4.02 DMS messages were posted per each DMS activation

- $6.12 \frac{\text{DMS Activations}}{\text{Events}} \times 3.88 \frac{\text{DMS Messages}}{\text{DMS Activations}} = \underline{23.73^*} \text{ DMS Messages per Event}$

An average of 23.73 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
Port of Miami Tunnel	28
FDOT District 4	923
Florida's Turnpike Enterprise	14
Miami-Dade Expressway Authority	2490
Total	3455

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	22045
Other Districts' Incidents	1988
Construction	10516
Safety	0
Vehicle Alert	649
Total	35198

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

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min:Ss)	Availability
I-95 Mainline	1	I-95 NB beyond NW 103 St	179	815	2633:29:10	100.00%
	22	I-95 NB south of NW 62 St	149	778	2163:48:24	100.00%
	75	I-95 NB before SR 112	384	1288	2188:22:04	100.00%
	77	I-95 NB beyond SW 8 St	391	1290	1677:12:26	100.00%
	2***	I-95 SB north of Ives Dairy Rd	1	1	7:43:01	N/A***
	3***	I-95 SB north of Miami Gardens Dr	39	138	148:38:06	N/A***
	095NB013.5LL***	I-95 NB north of NW 173 St	78	402	1379:33:24	N/A***
	20	I-95 SB south of NW 119 St	153	677	1426:29:54	100.00%
	21	I-95 SB south of NW 62 St	185	662	1196:37:00	100.00%
	74	I-95 SB beyond of SR 112	129	470	905:46:42	100.00%
76	I-95 SB before Rickenbacker Cswy	20	222	769:07:31	100.00%	
<i>I-95 Mainline Subtotal</i>			1708	6743	14496:47:42	100.00%
I-95 Express	95X40	95X NB at NW 62nd St	147	492	1445:43:59	99.98%
	95X45	95X NB at NW 125th St	63	198	493:25:15	38.35%
	95XSB45	95X SB at NW 62nd St	171	533	1029:18:40	99.73%
	95XSB50	95X SB at NW 125th St	141	420	878:59:53	99.60%
	095SB014.6-EL***	95X SB at Miami Gardens Dr	142	442	843:51:06	N/A***
	095NB014.8-EL***	95X SB north of Miami Gardens Dr	44	263	765:09:51	N/A***
<i>I-95 Express Subtotal</i>			708	2348	5456:28:44	84.42%
SR 826	14	SR 826 NB beyond NW 122 St	63	349	922:11:47	97.59%
	4	SR 826 EB east of NW 67 Ave	104	434	927:02:50	99.64%
	5	SR 826 EB east of NW 37 Ave	339	1140	2091:21:35	100.00%
	15*	SR 826 WB beyond NW 17 Ave	0	0	0:00:00	N/A*
	17	SR 826 WB beyond NW 47 Ave	92	497	1151:56:19	100.00%
	19	SR 826 WB beyond NW 67 Ave	127	629	1339:33:43	99.28%
	826NB58	SR 826 NB before NW 58 St	56	300	763:17:59	99.82%
	826SB58	SR 826 SB before NW 58 St	125	573	1176:29:01	99.82%
	826SB103	SR 826 SB before NW 103 St	112	545	1212:28:31	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	98	348	925:59:21	100.00%
	826NB4.8-LL**	SR 826 NB at SW 24 St	153	437	984:32:52	N/A**
826SB8.8-LL**	SR 826 SB at NW 36 St	153	627	1255:37:40	N/A**	
<i>SR 826 Subtotal</i>			1422	5879	12750:31:38	99.57%
I-75	43*	I-75 NB before Miami Gardens Dr	0	0	0:00:00	N/A*
	44*	I-75 SB before Miami Gardens Dr	0	0	0:00:00	N/A*
	42	I-75 SB ramp from NW 138 St	143	655	1112:59:22	100.00%
<i>I-75 Subtotal</i>			143	655	1112:59:22	100.00%
I-195 Mainline	57	I-195 EB before North Miami Ave	43	298	845:21:58	100.00%
	105	I-195 WB before Alton Rd	219	890	1809:04:41	99.34%
<i>I-195 Mainline Subtotal</i>			262	1188	2654:26:39	99.67%
I-395	886WB	Port Blvd WB before US-1	230	944	1287:06:31	97.30%
	104	I-395 WB at Watson Island	335	1058	1391:12:27	91.51%
<i>I-395 Subtotal</i>			565	2002	2678:18:58	94.41%
<i>Limited Access Facilities Subtotal</i>			4808	18815	39149:33:03	97.00%

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

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:min:ss)	Availability
I-95 Arterial	109***	Ives Dairy EB Rd before I-95	0	0	0:00:00	N/A***
	113***	Ives Dairy Rd WB before I-95	0	0	0:00:00	N/A***
	110***	Miami Gardens Dr EB before I-95	0	0	0:00:00	N/A***
	111***	Miami Gardens Dr WB before I-95	232	819	555:56:07	N/A***
	112	NW 103 St EB before I-95	240	668	453:01:50	99.79%
	106	NW 79 St EB before I-95	229	593	495:14:32	99.60%
	107	NW 54 St EB before I-95	254	742	575:11:41	99.73%
	108	SW 8 St EB before I-95	177	622	507:35:31	98.50%
<i>I-95 Arterial Subtotal</i>			1132	3444	2586:59:41	99.41%
Golden Glades Interchange	6***	SR 826 WB west of NE 2nd Ave	369	1209	2128:29:55	N/A***
	7	Turnpike SB to Golden Glades	349	1125	1544:11:26	100.00%
	9	US-441 NB at TRI-Rail	103	397	820:01:28	100.00%
	10	SR 9 NB before Park & Ride	103	391	790:05:13	98.51%
	8	US-441 SB at NW 179 St	286	977	1441:04:44	99.96%
<i>Golden Glades Interchange Subtotal</i>			1210	4099	6723:52:46	99.62%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	156	453	959:32:15	100.00%
	SW24WB	SW 24 St WB before SR 826	156	453	959:32:22	100.00%
	SW40EB	SW 40 St EB before SR 826	128	401	937:51:04	100.00%
	SW40WB	SW 40 St WB before SR 826	129	402	937:19:53	100.00%
	SW56EB	SW 56 St EB before SR 826	105	364	927:08:36	100.00%
	SW56WB	SW 56 St WB before SR 826	105	364	927:08:34	100.00%
	SW72EB	SW 72 St EB before SR 826	95	350	902:39:57	100.00%
	SW72WB	SW 72 St WB before SR 826	96	353	906:50:20	100.00%
	WFLAGLEREB**	W Flagler ST EB before SR 826	23	85	183:57:48	N/A**
	WFLAGLERWB**	W Flagler ST WB before SR 826	0	0	0:00:00	N/A**
<i>SR 826 Arterial Subtotal</i>			993	3225	7642:00:49	100.00%
I-195 Arterial	38	Alton Rd SB before I-195	145	630	1166:38:37	100.00%
	39	Arthur Godfrey WB before I-195	143	627	1165:20:59	99.35%
	40	Alton Rd NB before I-195	144	629	1165:48:07	100.00%
<i>I-195 Arterial Subtotal</i>			432	1886	3497:47:43	99.78%
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	149	639	1196:21:53	100.00%
	45	US-1 SB before SW 80 St	29	229	776:58:16	98.36%
	47	US-1 SB at Florida's Turnpike	23	202	785:53:18	100.00%
	46	US-1 NB before Killian Dr	44	254	808:28:01	100.00%
	48	US-1 NB at Florida's Turnpike	26	207	788:34:02	100.00%
<i>US-1 in Miami-Dade County Subtotal</i>			271	1531	4356:15:30	99.67%

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	US-1 NB at Mile Marker 126	25	208	791:18:18	100.00%
	64	US-1 NB at Mile Marker 106	13	165	678:02:08	92.73%
	66	US-1 NB at Mile Marker 91.5	23	185	652:56:41	87.81%
	68	US-1 NB at Mile Marker 39.5	9	94	302:37:57	42.00%
	71	US-1 NB at Mile Marker 7.5	22	263	1330:21:32	93.33%
	61	US-1 SB at Mile Marker 126	33	328	1479:50:01	100.00%
	63	US-1 SB at Mile Marker 113	30	228	844:11:44	97.34%
	65	US-1 SB at Mile Marker 106	24	214	750:41:10	92.42%
	67	US-1 SB at Mile Marker 91.5	31	226	793:35:07	92.50%
	69	US-1 SB at Mile Marker 39.5	8	89	294:18:56	42.00%
	70	US-1 SB at Mile Marker 7.5	15	198	768:28:13	99.87%
US-1 South of Florida City Subtotal			233	2198	8686:21:47	85.45%
Arterials Subtotal			4271	16383	33493:18:16	95.25%
Limited Access Facilities Subtotal			4808	18815	39149:33:03	97.00%
Grand Total			9079	35198	72642:51:19	96.00%

*DMS 15, 43, and 44 were under Capital Improvement. Messages posted on these DMS are not computed and system availability is not measured for these devices.

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

*** DMS 2, 3, 6, 109, 110, 111, 113, FLD6DOT095NB013.5-LL, FLD6DOT095SB014.6-EL, and FLD6DOT095NB014.8-EL are operational and are under the Express Lanes Phase 2 Contractor; thus, system availability is not measured for these devices.

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			134	20	100	18	17	12	20	8	39	87	177	
Safety Messaging			0	0	0	0	0	0	0	0	0	0	0	
District 6	Miami-Dade	I-95	2,530	180	670	5	470	793	2,647	1,655	0	988	320	0
	Miami-Dade	Express Lanes	756	763	270	0	0	286	3	762	0	0	7	0
	Miami-Dade	I-195	317	0	4	0	172	129	284	21	0	228	51	0
	Miami-Dade	I-395	79	12	0	0	1	88	41	0	0	3	27	0
	Miami-Dade	MacArthur Causeway	58	0	0	0	0	29	11	0	0	0	1	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	59	28	2,173	396	0	0	89	346	1,360	0	44	0
	Miami-Dade	I-75	0	0	93	30	0	0	0	0	0	0	0	0
	Miami-Dade	US-1	41	9	0	0	9	19	13	0	20	27	35	6
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	217
	Monroe	Card Sound Road	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-997/ Krome Avenue	0	0	0	0	0	0	0	0	0	0	0	0
	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	1,934	1043	2,022	172	372	323	5	933	1400	515	902	1,798	
Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0	
MDX	Miami-Dade	SR-836	290	44	303	2	20	213	104	0	390	8	18	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	352	131	0	0	127	105	110	6	0	78	19	0
	Miami-Dade	SR-874	0	0	15	0	0	0	0	0	47	0	9	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	7	0
Miami-Dade	SR-924	0	0	60	32	0	0	0	0	0	0	0	0	
District 4	Broward	I-95	174	108	92	0	0	0	122	352	0	0	0	0
	Broward	I-75	0	0	75	0	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	3	2	2	0	0	0	3	4	0	0	0	0
	Miami-Dade	Floridas Turnpike Spur	0	0	0	0	0	0	0	0	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	
Port	Miami-Dade	Port Miami Tunnel	16	8	0	0	0	0	0	0	0	4	0	
Subtotal of On Route			2,530	763	2,173	30	172	88	2,647	1,655	1,360	228	35	217
Subtotal of Off Route			4,213	1,585	3,706	625	1,016	1,914	797	2,444	1,865	1,658	1,496	1,981
Total District 6			5,908	2,055	5,332	621	1,041	1,684	3,105	3,737	2,788	1,800	1,474	2,198
Other Agencies			835	293	547	34	147	318	339	362	437	86	57	0
Total			6,743	2,348	5,879	655	1,188	2,002	3,444	4,099	3,225	1,886	1,531	2,198

Notes: *Vehicle Alert messages are signed for entire Miami-Dade and Monroe Counties; thus, they are not location-specific events. 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

