

DMS Usage Report – August 2018

Summary of Monthly Operations

In the month of August, there were 35,449 messages posted with 11,346 DMS activations for 1,579 events. The DMS efficiency was 99.87% (1,577 of the 1,579 signable events had DMS messages posted) for all roadways. There was an average of 7.19 DMSs activated per each signable event and an average of 3.12 DMS messages were posted per each DMS activation. This resulted in an average of 22.45 DMS messages being posted per each signable event.

Summary of Average Monthly Operations

- $\frac{11,346 \text{ DMS Activations}}{1,579 \text{ Events}} = 7.19 \text{ Average DMS Activations per Event}$

An average of 7.19 DMSs were activated per each signable event

- $\frac{35,449 \text{ DMS Messages}}{11,346 \text{ DMS Activations}} = 3.12 \text{ Average DMS Messages per Activation}$

An average of 3.12 DMS messages were posted per each DMS activation

- $7.19 \frac{\text{DMS Activations}}{\text{Events}} \times 3.12 \frac{\text{DMS Messages}}{\text{DMS Activations}} = 22.45^* \text{ DMS Messages per Event}$

An average of 22.45 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	59
FDOT District 4	611
Florida's Turnpike Enterprise	159
Miami-Dade Expressway Authority	1196
Total	2025

Table 2 DMS Usage by Event Type

Event Type Message	Number of Messages
FDOT District 6 Incidents	12769
Other Districts' Incidents	1235
Construction	7665
Safety	11682
Vehicle Alert	2098
Total	35449

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	210	500	1388:42:15	100.00%
	22	I-95 NB south of NW 62 St	147	344	570:11:16	100.00%
	75	I-95 NB before SR 112	279	659	1213:15:11	100.00%
	77	I-95 NB beyond SW 8 St	321	824	1761:28:43	100.00%
	2	I-95 SB north of Ives Dairy Rd	250	770	1793:56:28	100.00%
	3	I-95 SB north of Miami Gardens Dr	304	937	1860:42:45	100.00%
	095NB013.5LL	I-95 NB north of NW 173 St	93	328	937:05:20	100.00%
	20	I-95 SB south of NW 119 St	149	365	944:29:45	100.00%
	21	I-95 SB south of NW 62 St	151	393	1144:35:42	100.00%
	74	I-95 SB beyond of SR 112	152	422	1109:02:24	100.00%
	76	I-95 SB before Rickenbacker Cswy	32	98	365:21:06	100.00%
I-95 Mainline Subtotal			2088	5640	13088:50:55	100.00%
I-95 Express	95X40	95X NB at NW 62nd St	148	459	1250:31:17	99.71%
	95X45	95X NB at NW 125th St	171	524	1210:38:32	98.78%
	95XSB45	95X SB at NW 62nd St	134	476	1103:20:33	98.57%
	95XSB50	95X SB at NW 125th St	105	427	991:24:39	99.71%
	095SB014.6-EL	95X SB at Miami Gardens Dr	310	983	1975:42:56	100.00%
	095NB014.8-EL	95X SB north of Miami Gardens Dr	67	286	934:46:22	100.00%
I-95 Express Subtotal			935	3155	7466:24:19	99.46%
SR 826	4	SR 826 EB east of NW 67 Ave	99	274	578:45:31	100.00%
	5	SR 826 EB east of NW 37 Ave	312	761	1283:40:25	100.00%
	14***	SR 826 NB beyond NW 122 St	104	309	541:37:12	N/A***
	15	SR 826 WB beyond NW 17 Ave	88	248	756:37:04	99.48%
	17	SR 826 WB beyond NW 47 Ave	129	423	1401:46:28	100.00%
	19	SR 826 WB beyond NW 67 Ave	162	445	1382:53:41	99.30%
	826NB58	SR 826 NB before NW 58 St	99	283	919:32:24	100.00%
	826SB103***	SR 826 SB before NW 103 St	89	197	483:37:22	N/A***
	826SB58	SR 826 SB before NW 58 St	71	161	455:17:13	100.00%
	826NB1.3-LL	SR 826 NB before SW 72 St	91	299	1292:40:58	91.30%
	826NB4.8-LL**	SR 826 NB at SW 24 St	194	419	1670:23:16	87.42%
	826SB8.8-LL***	SR 826 SB at NW 36 St	118	243	921:51:06	N/A***
SR 826 Subtotal			1556	4062	11688:42:40	97.50%
I-75	43	I-75 NB before Miami Gardens Dr	40	268	1634:58:06	99.10%
	44	I-75 SB before Miami Gardens Dr	154	435	1139:41:17	100.00%
	42	I-75 SB ramp from NW 138 St	143	449	1236:54:44	100.00%
	FLD6DOT075SB	I-75 SB South of Miami Gardens Dr	10	72	339:24:35	99.91%
I-75 Subtotal			347	1224	4350:58:42	99.75%
I-195 Mainline	57	I-195 EB before North Miami Ave	46	106	394:02:18	100.00%
	105	I-195 WB before Alton Rd	163	390	910:40:36	100.00%
I-195 Mainline Subtotal			209	496	1304:42:54	100.00%
I-395	886WB	Port Blvd WB before US-1	215	648	1700:01:55	100.00%
	104	I-395 WB at Watson Island	300	809	1918:46:01	99.77%
I-395 Subtotal			515	1457	3618:47:56	99.89%
Limited Access Facilities Subtotal			5650	16034	41518:27:26	99.19%

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	147	502	1130:27:34	97.42%
	113	Ives Dairy Rd WB before I-95	119	397	992:46:09	97.52%
	110	Miami Gardens Dr EB before I-95	211	629	1221:49:52	99.82%
	111	Miami Gardens Dr WB before I-95	217	669	1239:18:23	99.86%
	112	NW 103 St EB before I-95	236	655	1594:07:28	99.51%
	106	NW 79 St EB before I-95	180	480	1363:03:30	98.27%
	107	NW 54 St EB before I-95	191	510	1389:34:15	98.36%
	108	SW 8 St EB before I-95	132	450	1089:47:58	98.61%
I-95 Arterial Subtotal			1433	4292	10020:55:09	98.67%
Golden Glades Interchange	6	SR 826 WB west of NE 2nd Ave	349	1012	1990:01:59	99.89%
	7	Turnpike SB to Golden Glades	301	948	1847:48:51	98.12%
	9	US-441 NB at TRI-Rail	82	334	760:27:38	73.63%
	10	SR 9 NB before Park & Ride	82	332	735:18:05	73.63%
	8	US-441 SB at NW 179 St	265	870	1901:05:53	73.63%
Golden Glades Interchange Subtotal			1079	3496	7234:42:26	83.78%
SR 826 Arterial	SW24EB	SW 24 St EB before SR 826	149	448	1737:26:38	100.00%
	SW24WB	SW 24 St WB before SR 826	149	448	1737:26:42	100.00%
	SW40EB	SW 40 St EB before SR 826	147	442	1816:21:58	100.00%
	SW40WB	SW 40 St WB before SR 826	148	443	1816:23:53	100.00%
	SW56EB	SW 56 St EB before SR 826	93	360	1569:49:01	100.00%
	SW56WB	SW 56 St WB before SR 826	91	341	1460:37:08	95.70%
	SW72EB	SW 72 St EB before SR 826	92	359	1569:40:12	100.00%
	SW72WB	SW 72 St WB before SR 826	92	359	1569:40:10	100.00%
	WFLAGLEREB**	W Flagler ST EB before SR 826	122	364	1407:09:19	87.50%
	WFLAGLERWB**	W Flagler ST WB before SR 826	122	364	1407:09:14	87.50%
	NW25EB**	NW 25 ST EB before SR 826	145	465	1713:38:35	42.62%
	NW25WB**	NW 25 ST WB before SR 826	146	466	1713:47:22	100.00%
	NW36EB**	NW 36 ST EB before SR 826	147	476	1697:07:26	99.98%
	NW36WB**	NW 36 ST WB before SR 826	156	497	2011:42:10	100.00%
	SW8EB**	SW 8 ST EB before SR 826	141	439	1759:27:36	100.00%
	SW8WB**	SW 8 ST WB before SR 826	126	369	1432:51:45	87.52%
	SW88EB**	Kendall DR EB before SR 826	61	234	1007:31:43	74.67%
	SW88WB**	Kendall DR WB before SR 826	80	349	1535:49:09	100.00%
SR 826 Arterial Subtotal			2207	7223	28963:40:01	93.08%
I-195 Arterial	38	Alton Rd SB before I-195	88	553	1776:34:21	99.96%
	39	Arthur Godfrey WB before I-195	85	515	1610:57:26	97.86%
	40	Alton Rd NB before I-195	85	264	1032:41:31	99.95%
I-195 Arterial Subtotal			258	1332	4420:13:18	99.26%

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

Roadway	ID	Location	# of Activations	# of Messages	Duration (Hr:Min)	Availability
US-1 in Miami-Dade County	23	US-1 NB beyond SW 17 Ave	218	668	1671:17:20	100.00%
	45	US-1 SB before SW 80 St	100	380	1270:39:14	100.00%
	47	US-1 SB at Florida's Turnpike	58	307	1018:28:27	100.00%
	46	US-1 NB before Killian Dr	68	341	1177:49:23	100.00%
	48	US-1 NB at Florida's Turnpike	54	288	1027:04:20	100.00%
US-1 in Miami-Dade County Subtotal			498	1984	6165:18:44	100.00%
US-1 South of Florida City	62	US-1 NB at Mile Marker 126	46	236	915:16:54	72.35%
	64	US-1 NB at Mile Marker 106	4	9	30:03:54	4.39%
	66*	US-1 NB at Mile Marker 91.5	0	0	0:00:00	N/A*
	68*	US-1 NB at Mile Marker 39.5	0	0	0:00:00	N/A*
	71	US-1 NB at Mile Marker 7.5	56	259	1193:35:47	96.91%
	61	US-1 SB at Mile Marker 126	44	193	1136:32:16	91.21%
	63	US-1 SB at Mile Marker 113	42	200	674:45:13	81.27%
	65	US-1 SB at Mile Marker 106	4	8	28:03:08	4.20%
	67*	US-1 SB at Mile Marker 91.5	0	0	0:00:00	N/A*
	69*	US-1 SB at Mile Marker 39.5	0	0	0:00:00	N/A*
US-1 South of Florida City Subtotal			221	1088	4753:39:31	62.45%
Arterials Subtotal			5696	19415	61558:29:09	89.97%
Limited Access Facilities Subtotal			5650	16034	41518:27:26	99.19%
Grand Total			11346	35449	103076:56:35	93.57%

*DMS undergoing testing for Capital Improvement and were used periodically. Messages posted on these DMS are not computed and system availability is not measured for these devices.

**Twelve DMS along the SR 826 Section 5 project are operational and are still under warranty.

***DMS 826SBNW103ST01, 826SB8.8-LL, and 14 are under the SR-826/I-75 Express Lanes 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			415	148	317	118	51	52	153	78	264	120	198	184
Safety Messaging			1238	1056	1060	519	80	382	1282	893	3362	287	896	627
District 6	Miami-Dade	I-95	2054	436	274	0	255	503	2272	906	24	310	189	0
	Miami-Dade	Express Lanes	998	1145	340	0	0	205	4	960	0	0	180	0
	Miami-Dade	I-195	76	0	0	0	48	22	63	0	0	71	13	0
	Miami-Dade	I-395	61	17	0	0	0	53	41	0	0	0	18	0
	Miami-Dade	MacArthur Causeway	46	2	0	0	0	17	0	0	0	544	7	0
	Miami-Dade	SR-886/Port Boulevard	0	0	0	0	0	0	0	0	0	0	0	0
	Miami-Dade	SR-826	244	160	1386	377	0	14	260	436	3197	0	63	0
	Miami-Dade	I-75	0	0	251	72	0	0	1	5	51	0	0	0
	Miami-Dade	US-1	23	0	4	0	0	0	9	0	43	0	312	33
	Monroe	US-1	0	0	0	0	0	0	0	0	0	0	0	206
	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	60	52	74	15	30	15	0	15	0	0	45	37
	Monroe	OTHER	0	0	0	0	0	0	0	0	0	0	0	0
MDX	Miami-Dade	SR-836	196	0	165	0	0	194	1	0	8	0	0	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	64	31	0	0	32	0	8	0	0	0	0	0
	Miami-Dade	SR-874	0	0	34	0	0	0	0	0	346	0	54	0
	Miami-Dade	SR-878	0	0	0	0	0	0	0	0	0	0	3	0
	Miami-Dade	SR-924	0	0	34	26	0	0	0	0	0	0	0	0
District 4	Broward	I-95	68	66	43	0	0	0	138	123	0	0	0	0
	Broward	Express Lanes	41	20	20	0	0	0	0	21	0	0	0	0
	Broward	I-75	0	0	46	25	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	Florida's Turnpike	32	11	14	0	0	0	42	59	0	0	0	1
	Miami-Dade	Florida's Turnpike Spur	0	0	0	0	0	0	0	0	0	0	0	0
	Broward	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Palm Beach	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	Martin	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
	St. Lucie	Florida's Turnpike	0	0	0	0	0	0	0	0	0	0	0	0
Tunnel	Miami-Dade	Port Miami Tunnel	24	11	0	0	0	0	18	0	0	0	6	0
Subtotal of On Route			2054	1145	1386	72	48	53	2272	906	3197	71	312	206
Subtotal of Off Route			3586	2010	2676	1080	448	1404	2020	2590	4098	1261	1672	882
Total District 6			5215	3016	3706	1101	464	1263	4085	3293	6941	1332	1921	1087
Other Agencies			425	139	356	51	32	194	207	203	354	0	63	1
Total			5640	3155	4062	1152	496	1457	4292	3496	7295	1332	1984	1088

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

